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Assessment Report

On the
East Bull PGM Project
Gerow Township, Sudbury Mining Division
Ontario

UTM NAD 83 17T 405,200 m E 5,141,400 m N Lat 46° 25' 10" N Long 82° 14' 0" W
NTS 41J 08 – Whiskey Lake

Prepared for:

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June 19, 2022

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Abbreviations and Units of Measurement

UTM	Universal Transverse		in	Inch(es)
Au	gold		Kg	Kilogram(s)
%	Percent		m	Metre(s)
<	Less than		Ma	Million years ago,
>	Greater than		m^2	Square metres
cm	Centimetre		mm	Millimetre(s)
Cu	copper		NI 43-	Canadian National Instrument
DDH / ddh	Diamond drill hole		P.Geo.	Professional Geoscientist
IP	Induced Polarization		ppb	Parts per billion
GPS	Global positioning system		ppm	Parts per million
ha	Hectare(s)		QA	Quality Assurance
ICP-AAS	Inductively coupled plasma atomic absorption		QC	Quality Control
ICP	Inductively coupled		QP	Qualified Person

1.0 SUMMARY

The following report was prepared to provide a summary of the exploration work completed on the East Bull PGM Property ("The Property") in 2021. The East Bull PGM Property is located 90 km west of the city of Sudbury in northern Ontario, at UTM NAD 83 Zone 17T 405200 m E and 5141400 m N, Latitude 46 º 25' 10" N and Longitude 82 º 14' 0" W and is in NTS map sheet 41J 08.

The East Bull PGM Property is comprised of 86 single cell and boundary cell mining claims (1611 ha) in central Gerow Township, Sudbury Mining Division. The claims are 100% registered to Pavey Ark Minerals Inc., a private Ontario company. The claims are under option to Canadian Palladium Resources.

The East Bull PGM Property is underlain by gabbroic rocks of the Paleoproterozoic East Bull Lake Intrusive Suite. The ca. 2.48 Ga East Bull Intrusive Suite consists of several intrusions of dominantly gabbronorite to gabbroic anorthosite that occur in both the Southern and Grenville provinces in the Sudbury area between Elliot Lake and North Bay. The East Bull Lake Intrusive Suite is part of a regional, Paleoproterozoic, bimodal magmatism resulting from a mantle-plume driven, intracontinental rifting event. This event formed a major basin, filled by sedimentary and igneous rocks of the Huronian Supergroup.

The East Bull PGM Property is located on the southern contact of the larger western magma chamber of the East Bull Lake Intrusion. In this area, the igneous stratigraphy of the East Bull Lake Intrusion is divided into the Marginal, Lower, Main, and Upper Series. On Pavey Ark's East Bull PGM Property, the PGM and base metal mineralization is primarily hosted in the Inclusion Bearing Zone at the base of the Lower Series.

On the Property, drilling and surface trenching has defined significant precious metal and base metal mineralization in the Varitextured Melagabbro Zone of the East Bull Intrusion over a strike length of 3.5 km. The Valhalla Zone, named after the original Freewest Resources Canada Inc. ("Freewest") discovery in 1998, is the largest mineralized zone with a strike length of >2.5 km. The Valhalla Zone, locally up to 60 m wide, strikes at approximately 265º, dips 55° north on the eastern portion and 45° north at the western end. The Hanging Wall Zone occurs as a 20 m to 25 m wide mineralized zone, parallel to the Valhalla Zone, in the eastern part of the Deposit. The Garden Zone mineralization is defined over a 1.0 km strike length by trenching and drilling in the western part of the Property. The Garden Zone strikes at 265º and dips approximately 40º north. The Valhalla and Garden Zones were probably originally continuous, but have been offset along 120º striking faults. The EOH Zone was discovered in 2021 and is a 060º striking, subvertical mineralized zone hosted in a melagabbro breccia that underlies the Garden Zone. The EOH Zone is interpreted to be a mineralized feeder conduit for the overlying Garden Zone and associated mafic rocks.

During the 2021 drilling program, 37 diamond drill holes totalling 9,669.6 metres were drilled on the property. The program was successful in extending contact-type disseminated sulphide mineralization at the East Bull Deposit along strike and down dip. There is an opportunity for further incremental expansion of this mineralization type on the Property. In addition to expansion, infill drilling is warranted to increase the Resource confidence and establish a higher proportion of Indicated Resources.

As part of metallurgical testing, two composite samples of the East Bull Resource were assembled, crushed, sampled and assayed at the SGS Laboratories. The composite sample grades were a close match to the Resource grade.

P&E Mining Consultants updated the previous resource estimate on the property from April 2019, with the 2020-2021 drilling programs completed by Canadian Palladium Resources Inc. Since the previous Mineral Resource Estimate, a total of 84 holes have been drilled in 2020 and 2021 on the East Bull Project.

The East Bull Palladium Deposit is estimated to have a total in-pit (estimated at a CAD$15/t NSR Cut-off) and out-of-pit (estimated at a CAD$50/t cut-off) Indicated Resources of 16.5 Mt at a grade of 0.49 g/t Pd, 0.19 g/t Pt, 0.05 g/t Au, 0.02 g/t Rh, 0.11% Cu, 0.05% Ni, 0.01% Co plus Inferred Resources of 16.3 Mt at a grade of 0.55 g/t Pd, 0.20 g/t Pt, 0.05 g/t Au, 0.02 g/t Rh, 0.10% Cu, 0.04% Ni, 0.01% Co. The total Indicated Resources contain 492.1 koz of PdEq and total Inferred Resources contain 519.6 koz of PdEq.

The authors of the Mineral Resource Estimate consider the mineralization of the East Bull Property to be potentially amenable to open pit and underground mining methods.

Opportunities for expanding the Valhalla and Garden Zones contact-type PGM-base metal mineralization are present along strike and down-dip. Additionally, there is significant potential for expanding the EOH Zone conduit-type mineralization and the discovery of other mineralized feeder conduits. There are several strong untested VTEM™ and borehole EM responses in the footwall of the Valhalla Zone that may be related to EOH-type targets.

Based on the current results and additional proposed drilling and metallurgical test work, the next stage of the Project would be to advance early stage studies through a Preliminary Economic Assessment (PEA). The PEA will include pit optimization, evaluate stripping ratio, a production schedule and present models for Project economics. Opportunities for developing a high-grade starter pit would be included in the PEA.

2.0 INTRODUCTION

In 2021, 37 diamond drill holes totalling 9,669.6 metres were drilled on the Property. A Mineral Resource Estimate was completed by P&E Mining Consultants Inc. using data from the 2020/2021 program as well as historic drill hole and surface data. A DGPS survey and downhole geophysics were performed on some of the 2021 drill holes. As part of a metallurgical analysis, two composite samples from the 2021 drill core were assembled, crushed, sampled and assayed by SGS Laboratories.

The East Bull PGM Property is located 26 km northwest of the town of Massey, Ontario (Figure 4.1) and 90 km west of the city of Sudbury, Ontario and is located in Gerow Township within the Sudbury Mining Division. The Property is accessed by route 553/810 an all-weather road that extends north from the Trans-Canada Highway 17 at Massey, Ontario.

3.0 PROPERTY DESCRIPTION AND LOCATION

3.1 LOCATION

The East Bull PGM Property is located 26 km northwest of the town of Massey, Ontario (Figure 4.1) and 90 km west of the city of Sudbury, Ontario and is located in Gerow Township within the Sudbury Mining Division. The Property is accessed by route 553/810 an all-weather road that extends north from the Trans-Canada Highway 17 at Massey, Ontario.

3.2 PROPERTY DESCRIPTION AND TENURE

The East Bull PGM Property is comprised of 86 single cell and boundary cell mining claims(1611 ha) in central Gerow Township, Sudbury Mining Division (Figure 1).

The claims are registered in the name of Pavey Ark Minerals Inc. Details on claim recording dates, due dates, work requirements, and work credits are shown in Table 1. The Property requires total annual assessment of $29,200 to be maintained in good standing.

The claims are 100% held by Pavey Ark. Legacy Claim 1227910 was acquired from Mustang Minerals Corp.(“Mustang”) and is subject to a 0.5% NSR in favour of Mustang plus a 3.0% NSR in favour of the original prospector stakers (“Prospector Royalty”). Pavey Ark has a right to purchase up to 2% of the Prospector Royalty at a rate of CAD$1.0 M for each 1.0% of the NSR.

Figure 1: East Bull Claim Map

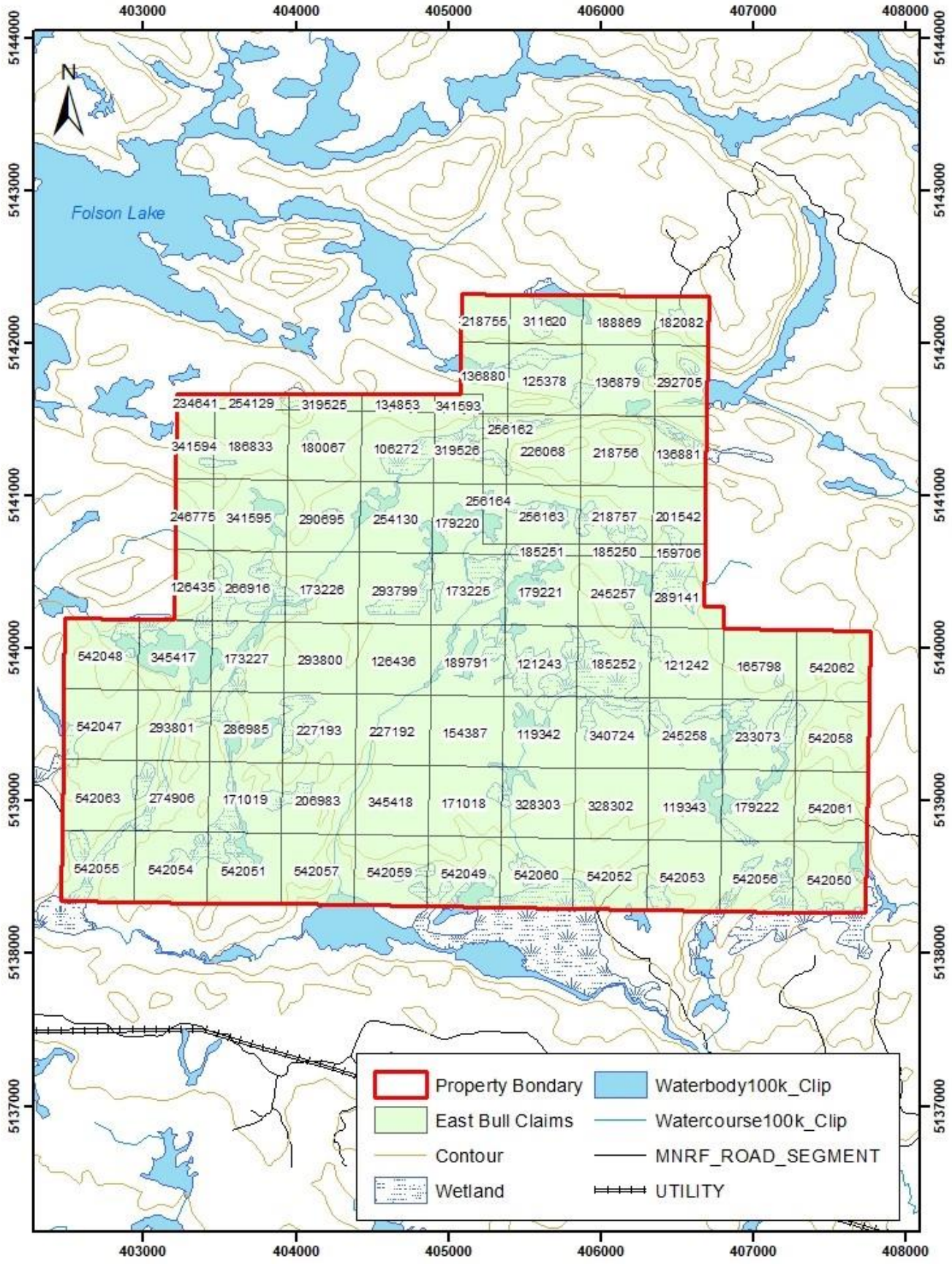


Table 1: List of East Bull Mining Claims

TENURE NUMBER	TYPE	STATUS	ANNIVERSARY DATE	TOWNSHIP	WORK REQUIRED
106272	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
119342	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
119343	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
121242	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
121243	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
125378	Single Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$400
126435	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
126436	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
134853	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
136879	Single Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$400
136880	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
136881	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
154387	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
159706	Boundary Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$200
165798	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
171018	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
171019	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
173225	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
173226	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
173227	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
179220	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
179221	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
179222	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
180067	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
182082	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
185250	Boundary Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$200
185251	Boundary Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$200
185252	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
186833	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
188869	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
189791	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
201542	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
206983	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
218755	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
218756	Single Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$400
218757	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
226068	Single Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$400
227192	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
227193	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
233073	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400

TENURE NUMBER	TYPE	STATUS	ANNIVERSARY DATE	TOWNSHIP	WORK REQUIRED
234641	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
245257	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
245258	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
246775	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
254129	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
254130	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
256162	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
256163	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
256164	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
266916	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
274906	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
286985	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
289141	Boundary Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$200
290695	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
292705	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
293799	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
293800	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
293801	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
311620	Boundary Cell Mining Claim	Active	2023-06-09 0:00	GEROW	$200
319525	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
319526	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
328302	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
328303	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
340724	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
341593	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
341594	Boundary Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$200
341595	Single Cell Mining Claim	Active	2023-11-17 0:00	GEROW	$400
345417	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
345418	Single Cell Mining Claim	Active	2023-01-15 0:00	GEROW	$400
542047	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542048	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542049	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542050	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542051	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542052	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542053	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542054	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542055	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542056	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542057	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542058	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400

TENURE NUMBER	TYPE	STATUS	ANNIVERSARY DATE	TOWNSHIP	WORK REQUIRED
542059	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542060	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542061	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542062	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400
542063	Single Cell Mining Claim	Active	2023-02-13 0:00	GEROW	$400

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

4.1 ACCESS

The East Bull PGM Property is located 26 km northwest of the town of Massey, Ontario and 90 km west of the city of Sudbury, Ontario. The Property is accessed by route 553/810 an all- weather road that extends north of the Trans-Canada Highway 17 at Massey, Ontario (Fig 2).

At approximately 31 km north of Massey on route 553, the Project is accessed by turning left onto a gravel bush road known locally as the “AECL Road”. The AECL Road extends from route 553 for a total distance of 4 km and terminates in the northwest corner of the Property. The AECL Road is readily passable by vehicles during the spring through autumn but is not maintained in winter. From the terminus of the AECL Road, an ATV trail continues west through the property.

Figure 2: East Bull PGM Project Location

4.2 CLIMATE

The area has a humid continental climate (Koppen climate classification Dfb) with temperatures averaging about 24°C in summer and -9°C in winter. Extreme temperatures range from greater than 30°C in summer and less than -40°C in winter. Annual precipitation consists of approximately 60 cm of rain and 240 cm of snow. Exploration and mining can be carried out year-round.

4.3 INFRASTRUCTURE

The Property benefits from close proximity to the city of Sudbury. Greater Sudbury, with a population 161,531 (2016 Census), is the largest city in northern Ontario.

Sudbury is home to the fully integrated base and precious metal mining, mineral processing, smelting and refining complexes of Vale Canada Limited and Glencore PLC. There are numerous companies based in Sudbury that are involved in mining related activities and offer expertise covering all areas of exploration, mining, mineral processing, smelting and environmental rehabilitation. Sudbury is serviced by major highways, rail infrastructure and daily commercial air service to Toronto and other major centres.

Limited food and fuel, as well as lodging are available at the East Bull Lake Wilderness Resort, located approximately 4 km northeast of the Property. Food, fuel, and most supplies required for exploration are available at the town of Massey with a population of 3,214 located 32 km to the south. Espanola is the regional centre with a population of 4,996 (2016 census) and is located 30 km east of Massey. A full range of equipment, supplies and services required for any mining development is available in Sudbury, a distance of 120 km from the Property by road.

Abundant water resources are present in the lakes, rivers, creeks, and beaver ponds on the Property. There is sufficient land on the Property to build and extend mining infrastructure. A major power transmission line is located 4 km south of the Property. Rail line and power infrastructure are located 24 km due south of the Property along the trans-Canada highway.

4.4 PHYSIOGRAPHY

The Property is located in the Canadian Shield in the north shore region of Lake Huron. The area is characterized by hilly terrain comprised of rock ridges with limited glacial overburden and intervening wetlands. The area is at an elevation of approximately 370 m asl with local relief ranging from 360 m to 400 m. Higher ground is characterized by extensive outcrop exposure with mixed forest. Between the ridges are areas of wetland comprised of flooded beaver ponds with black spruce and muskeg.

Numerous rivers and lakes drain in overall easterly direction into the River aux Sables that is located immediately east of the Property. The River aux Sables joins the Spanish River at Massey and subsequently flows into the North Channel of Lake Huron.

5.0 HISTORY

Information on historical exploration discussed in this section is summarized from Pavey Ark's assessment report for work completed in 2017 (Sutcliffe, 2017).

5.1 INTRODUCTION

Moore and Armstrong (1943) completed the initial geological mapping of the East Bull Lake area and recognized the East Bull Lake Intrusion as a Proterozoic gabbroic intrusion. Between 1952 and 1962, a number of mining and exploration companies including Noranda Mines Inc., El Pen Ray Oil and Mines, Silcross Copper Mines Ltd., and Mining Corporation of Canada undertook ground magnetometer and EM surveys, trenching and diamond drilling to explore for Cu-Ni sulfide mineralization in the southeastern part of the East Bull Lake Intrusion (Wood, 2001: Soever, 2001; and Foy 2012). This work identified pyrrhotite-chalcopyrite mineralization in gabbroic rocks and diabase dykes along the southern margin of the intrusion, in what is now recognized as the Parisien Lake deformation zone, and in the area to the east of Moon Lake. Between 1982 and 1989 Atomic Energy of Canada Ltd. (AECL) completed mapping, outcrop stripping, ground and airborne geophysics, and drilled 4 holes (2,618 m) to assess the East Bull Lake Intrusion as a potential radioactive waste storage/disposal site.

5.2 EXPLORATION HISTORY

The first documentation of PGM mineralization in the East Bull Lake area was by Gallo Exploration in 1989 to 1990. Gallo completed stripping, blasting, mapping and sampling of the sulfide occurrences plus VLF-EM and airborne magnetic surveys. This work identified significant PGM mineralization with assays from trenches of up to 1.3 g/t Pt and 4.2 g/t Pd associated with contact-type mineralization and values up to 0.8 g/t Pt, 3.9 g/t Pd, 0.68 g/t Au, 9.4% Cu, and 5.3% Ni in remobilized semi-massive sulphides in Parisien Lake Deformation Zone. This work was conducted to the east of the East Bull PGM Property.

A summary of exploration history related to PGM mineralization on Pavey Ark's East Bull PGM Property is provided in Table 2.

The East Bull Lake Intrusion was explored by Inco Exploration between 1991 and 92. Work included mapping and diamond drilling (5 holes for 1,512m) with assays that included 0.2 g/t Pt, 0.95 g/t Pd, 0.57% Cu, 0.22% Ni and 0.35 g/t Pt, 3.08 g/t Pd, 14.7% Cu, 0.49% Ni. In 1995, WMC International Ltd. completed mapping, rock, soil, and till sampling. The "Neck Zone" (former Peck Grid) was reported to contain a continuous zone of 5% blebby sulphides with a best assay of 0.91g/t Pt, 4.45 g/t Pd, 0.39 g/t Au, 0.53% Cu, and 0.11% Ni.

Table 2: Summary of Exploration History

SUMMARY OF EXPLORATION ON THE EAST BULL PGM PROPERTY			
Date	**Performed By**	**Work Performed**	**Results**
1991-1992	Inco Exploration	Mapping and prospecting covered the western lobe of the East Bull Intrusion including present claim group. Assessment file 41J08NE9720.	Best value on south zone - 589 ppm Cu, 258 ppm Ni, 193 ppb Au, 288 ppb Pt and 205 ppb Pd on present claim 4272475.
1995	WMC International Limited	Mapping and sampling covered the western lobe including the present claim group. Assessment file 41J08NE0022.	Best value on south zone (CR103535) yielded 0.11% Ni, 0.18% Cu, 0.04 g/t Au, 0.23 g/t Pt, and 0.68 g/t Pd on present claim 4272475.
1998	Freewest Resources Canada Inc.	Regional prospecting including area south of Folson Lake and discovery of Valhalla Zone. Assessment file 41J08NE2005.	Best value of 0.22 g/t Au, 1.34 g/t Pt, 3.15 g/t Pd at Valhalla Zone on present claim 4272475.
1998-1999	Freewest Resources Canada Inc.	Blast trenching, additional prospecting, 5-hole 401.8 m BQ drilling program, HEM ground survey, IP survey. Assessment file 41J08NE2005.	DDH 99-01 intersected 50.4 m of 0.62 g/t Pt+Pd including 2.8 m of 1.93 g/t Pt+Pd, similar results in 99-02 and 99-03 on present claim 4272475.
1999-2000	Mustang Minerals Corp.	Drilled 11 NQ holes for 1,766 m. Defined "Bullfrog" Zone over 800 m strike length. Assessment files 41J08NE2007 and 41J08NE2019.	DDH ME00-17 intersected 20 m @ 1.6 g/t PGM, ME00-19 with 12 m @ 2.5 g/t PGM on present claim 1227910.
2000	Freewest Sparton JV	Geological mapping, trenching, 22-hole 2,500 m NQ drilling program. Valhalla and Garden Zones defined over 1.5 km strike length. Never filed for assessment.	DDH 00-21 intersected 1.96 g/t Pt+Pd+Au over 24 m, similar results in other holes on present claim 4272475.
2001	Mustang Minerals Corp.	Geological mapping and sampling on East Bull Intrusion, east extension of "Bullfrog" Zone identified. Assessment file 41J08NE	Best grab sample 35324 with 1.7 g/t PGM from Bullfrog Extension on claim 1227910
2007	Mustang Minerals Corp.	Airborne VTEM and Mag survey, 867 line-km at 100 m spacing over East Bull Intrusion. Assessment file 20003502.	Several VTEM conductors parallel to and south of Valhalla Zone on claims 4272475 and 1227910.
2009	Mustang Minerals Corp./ Western Areas	Geophysical Compilation and Interpretation. Assessment file 20006286.	Priority VTEM conductive targets identified on claim 1227910 and proposed drill holes for follow up.

SUMMARY OF EXPLORATION ON THE EAST BULL PGM PROPERTY			
Date	**Performed By**	**Work Performed**	**Results**
2012	Mustang Minerals Corp./ Western Areas	Drilled 6 new holes and extended 2 holes for a total of 3,171 m. Drilling on "Bullfrog" includes a 239 m extension of ME00-19 and a 99 m extension of ME00-21. Assessment file July 20, 2012.	Both ME00-19 ME00-21 have good off hole conductors, but no significant sulphides in hole.
2012	Mustang Minerals Corp.	Quantec Titan-24 MT Survey over East Bull Intrusion. Assessment file 20010302.	Inversion models identify shallow dipping conductive targets.
2012	Mustang Minerals Corp.	Quantec TEM borehole and surface surveys. Borehole surveys include ME00-19 and ME00-21 on "Bullfrog" Zone. Assessment file 20011500.	Conductors identified in both ME00-19 extension, and ME00-21 extension on present claim 1227910.

***A Qualified Person (QP) has not carried out sufficient work to verify historical results prior to the Mustang and Freewest programs in 1999/2000.*

In parallel with the exploration work, a number of studies of the East Bull Lake Intrusion and associated PGM-Cu-Ni mineralization were completed at Laurentian University in Sudbury. These included an M.Sc thesis by Born (1979) on the Geology of the East Bull Lake Layered Complex, District of Algoma, Ontario, an M.Sc. thesis and geological mapping by Chubb (1994) on the Petrogenesis of the Eastern Portion of the Early Proterozoic East Bull Lake Intrusion, and Ontario Geological Survey sponsored studies of the East Bull Lake Intrusion by Peck and James between 1990 to 1995.

The main exploration effort on the area covering the current Pavey Ark's East Bull PGM Property was completed by Freewest and Mustang on claim 1227910 between 1998 and 2000.

The Freewest claim was formerly known as the Folson Lake Property. In 1998 Freewest discovered the Valhalla showing and obtained surface grab samples that assayed up to 1.35 g/t Pt, 3.15 g/t Pd, 0.23 g/t Au and 0.7% Cu. Subsequently, between 1999 and 2000 Freewest completed prospecting, blasting, ground geophysics, and drilled 27 holes for a total of 2,902m. Most of the holes intersected PGM mineralization and included hole 00-21 with 1.96 g/t Pt+Pd+Au over 24m. This drilling outlined the Valhalla and Garden Zones mineralization over a strike length of 1.5 km.

Samples from the 2000 Freewest program were analyzed by XRAL Laboratoires, Rouyn-Noranda, Quebec. Au, Pt, Pd were analyzed by fire assay on a 30 g sample with a direct current plasma (DCP) finish. The lower reporting limits for this method were 1 ppb for Au and Pd and 10 ppb for Pt. Ag, Cu and Ni were reportedly analyzed with a partial digestion with an atomic absorption (AA) finish. Detection limits are 0.02 ppm for Ag and 2 ppm for Cu and Ni (Lariviere, 2001).

In 1998 Mustang acquired the former Gallo Property and then newly staked claims from a group of Sudbury area prospectors. Mustang re-logged the AECL holes and initiated drilling on the Moon Lake grid east of the current Pavey Ark Property.

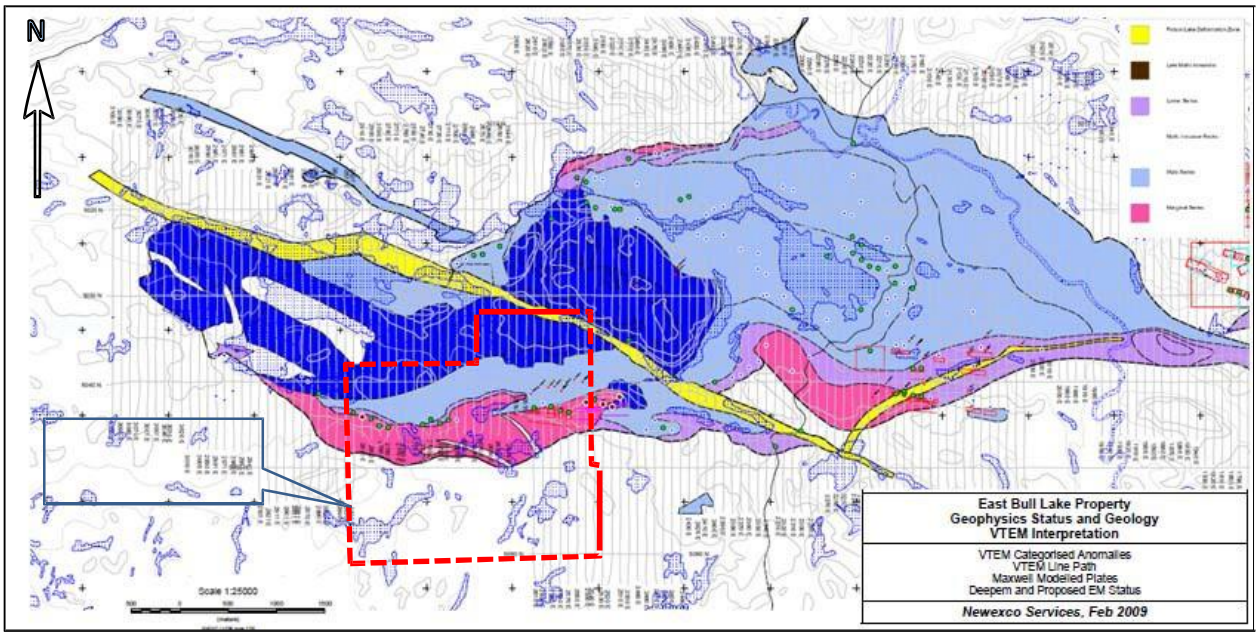
In 1999, Mustang started work on the Bullfrog Grid that is located on claim 1227910. Between 1999 and 2000 Mustang completed mapping, magnetic and IP surveys and drilled 11 holes for a total of 1,766 m on the Bullfrog Grid and outlined the Bullfrog Zone. Mustang intersections included ME00-17 with 20 m at1.6 g/t Pt+Pd+Au+Rh, ME00-19 with 12 m at 2.5 g/t Pt+Pd+Au+Rh. The exploration results demonstrated the Freewest Valhalla Zone was contiguous with the Mustang Bullfrog zone and the combined Valhalla and Bullfrog mineralization had a strike length totaling over 2.5 km.

Subsequent mapping and prospecting by Mustang in 2001 identified additional surface mineralization to the southeast of the Bullfrog Zone.

In 2001 Falconbridge Limited optioned the property from Mustang. Between 2001 and 2002, Falconbridge completed prospecting, mapping, trenching, ground and airborne geophysics, and drilled 6 holes for a total of 860 m. Drilling was completed on the Parisien Lake grid, east of Pavey Ark's property, and encountered anomalous PGM values.

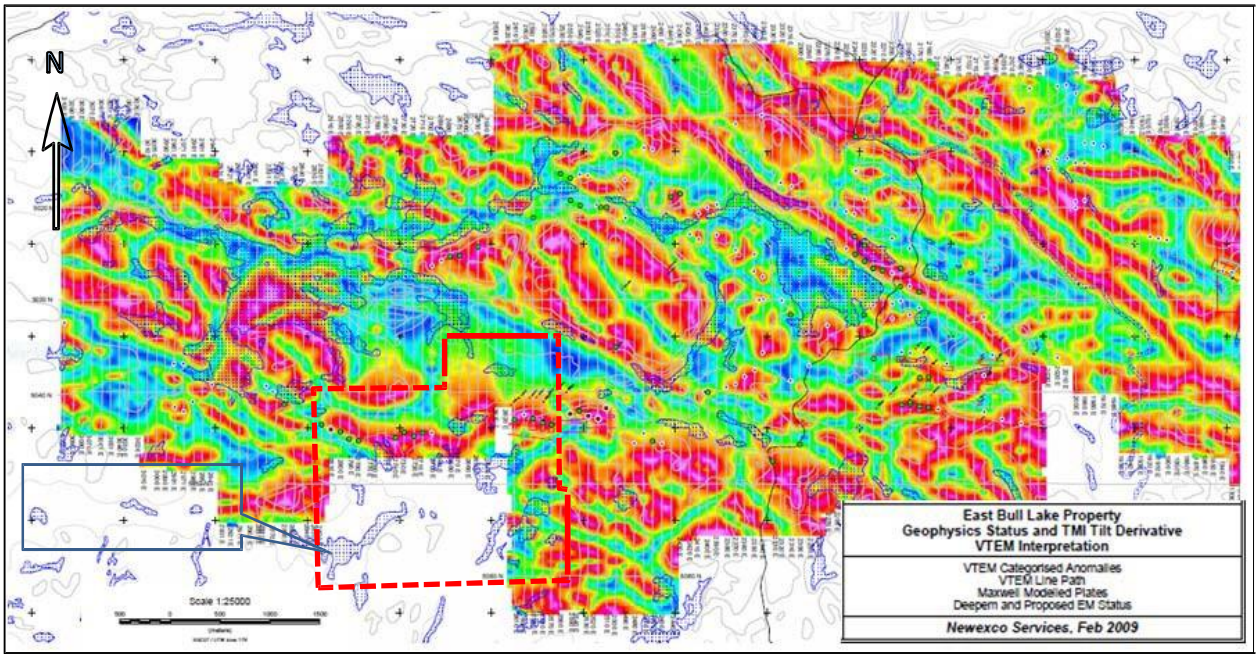
In 2007, Mustang optioned the property to Western Areas NL, an Australian company. Between 2007 and 2012, Mustang and Western Areas completed geological compilation (Figure 3), helicopter Mag/VTEM survey (Figure 4), borehole EM, Moving In-Loop, Fixed Loop EM (MLEM and FLEM) and ground TDEM surveys on the areas covering the Parisien and Bullfrog Grids. A geophysical compilation in 2009 identified a number of priority VTEM targets on the Bullfrog Grid and on adjacent Freewest ground. These EM targets were mainly in the footwall of the Bullfrog/Vallhala mineralization. In 2012, at the Bullfrog Grid, three existing Mustang holes (ME00-14, -19, -21) were extended to test TDEM anomalies in the footwall of the Bullfrog trend. Although no significant new sulphide mineralization was intersected, BHEM surveys identified additional off-hole conductors. There has been no follow up on these off-hole conductive targets.

Figure 3: Mustang Minerals Geological Compilation of East Bull Lake Intrusion



Source: *Mustang assessment (2009)*

Figure 4: Mustang Minerals Tilt Derivative of Total Magnetic Field with VTEM Responses



Source: *Mustang assessment (2009)*

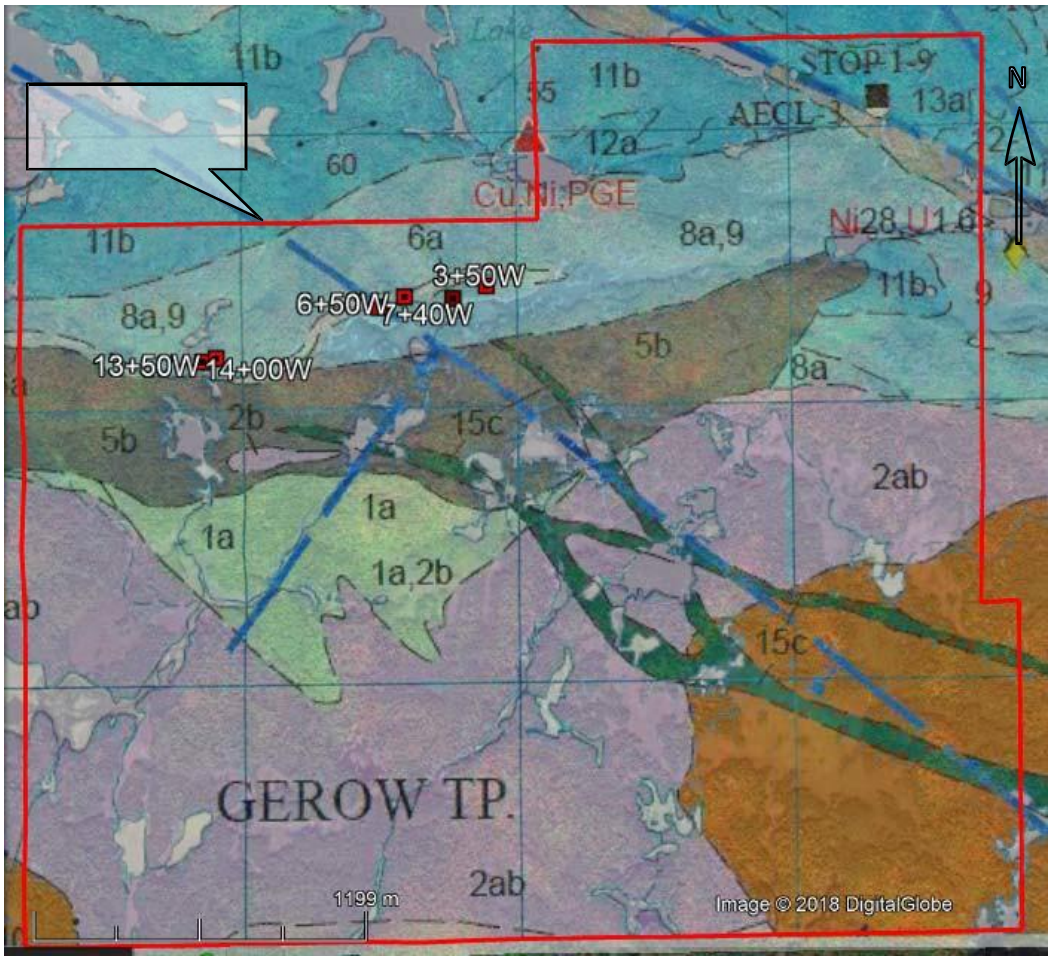
For the 1999 and 2000 drill programs, Mustang Minerals used XRAL Laboratories in Rouyn- Noranda, Quebec for analyses. Samples were assayed Au, Pt, Pd, Rh, Cu and Ni. All precious metal concentrations were determined using fire assay (30g charge) followed by a direct-coupled plasma/mass spectrometer (DCP) finish. The detection limits for a one assay ton (30g) sample are 1 ppb for Au and Pd, and 10 ppb for Pt. Base metal concentrations were determined by atomic absorption spectrometry (AA) after 0.25 to 0.3g of the pulp was subjected to a nitric aqua regia digestion (Wood 2001).

Additionally, in 2012, Western Areas NL tested two deep airborne ZTEM magnetic-magnetotellurics ("MT") targets in the central part of the East Bull Gabbro Intrusion. Holes EB12-05 (955m) and EB12-06 (973m) targeted coincidental ZTEM-magnetic and Titan 24 MT anomalies in two separate locations. EB12-05 intersected disseminated chalcopyrite grading 0.44% Cu, 2,602 ppb Pt, and 15,677 ppb Pd but no other sulphides or lithological features to explain the anomalies. A BHEM survey for EB12-06 also detected an anomalous response at the bottom of the hole.

In 2017 Pavey Ark carried out channel sampling, drilling, re-sampling of historic core and a maiden resource estimate on the East Bull PGM project.

Mr. Greg Smith of A-Star Prospecting of Thunder Bay completed 77 meters of channel sampling for Pavey Ark in July and October, 2017. The work was supervised by R.H. Sutcliffe, P.Geo. and prior to the channel sampling Sutcliffe completed field work in June to mark out and georeference the proposed channel locations. The channels replicate 6 blast trenches sampled by Freewest in 1999/2000 on the former Freewest Folson Property lines 3+50W, 4+70W, 6+40W, 7+40W, 13+50W and 14+00W (Garden Zone). The channels were cut using a diamond blade saw and samples were nominally approximately 3 cm wide, 5 cm deep and 1.0 m in length. A total of 79 channel samples plus an additional 6 blanks and 6 standards were submitted for assay. Location of channel samples relative to the Property boundary is shown in Figure 5.

Figure 5: Location of Pavey Ark Channel Samples



Source: *Base map from Easton et al. (2011) overlain on Google Earth (2018). Lithological codes correspond to legend in Figure 8.*

The channelling was limited by available outcrop exposure; however, all of the channels were successful in defining surface mineralization. The channels were all oriented approximately north-south and crossed the strike of mineralization. Most of the channels were cut in the Inclusion Bearing Zone. Channel 13+50W cuts anorthositic gabbro at the north end of the channel and ends in the Inclusion Bearing Zone at the south end.

Two of the channels terminated in mineralization at both ends of the channel, and three of the channels terminated in mineralization at one end of the channel indicating that the mineralization is wider than the channel sample. The strongest results for PGMs and Cu were obtained from
4+70W to 7+40 W over a strike length of 270 m. The weaker mineralized zone at 13+50 W is probably located north of the main mineralized zone.

The channels were surveyed by DGPS and were incorporated into the drill data base. Table 9.1 summarizes the results for each of the six channels.

Table 3: Summary of 2017 Channel Samples

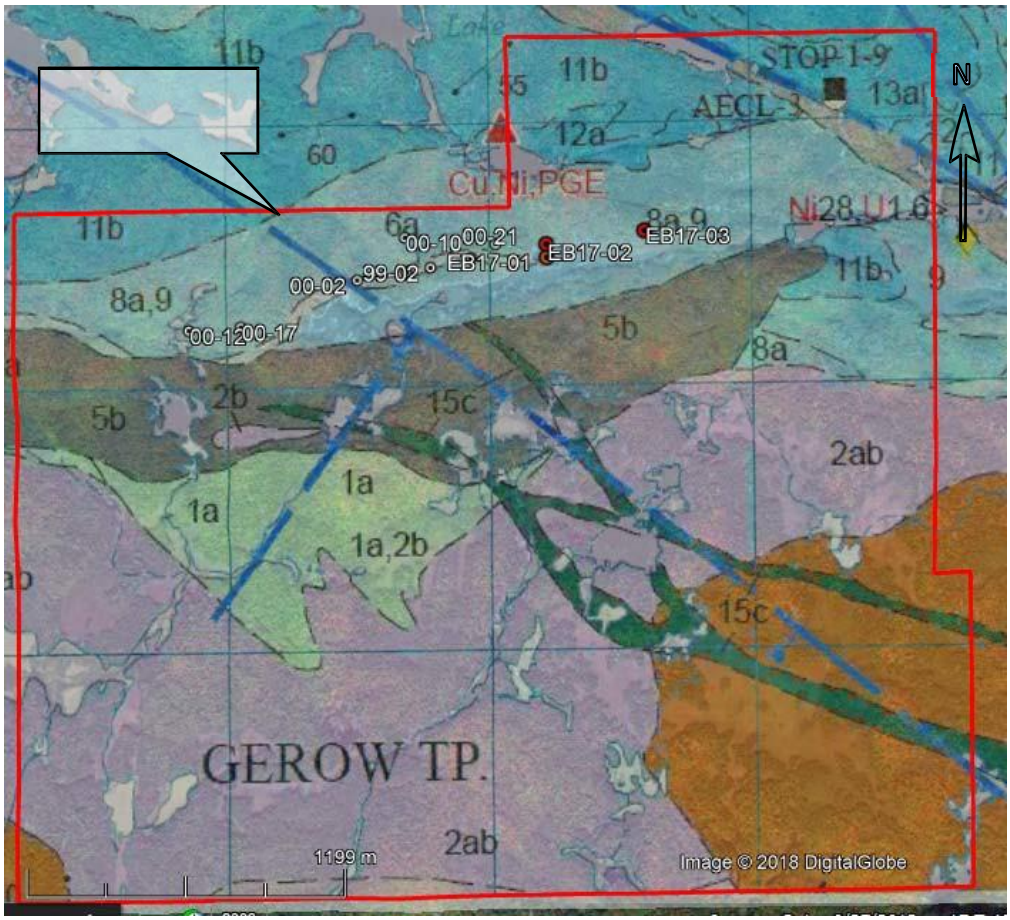
SUMMARY OF 2017 CHANNEL SAMPLE RESULTS

Channel	Channel length (m)	Mineralized Interval (m)	Au ppb	Pd ppb	Pt ppb	Cu ppm	Ni ppm	Co ppm	PGM+ Au ppb	Comment
3+50W	14.78	14.78	69	587	208	1,569	688	83	864	Open to N & S
4+70W	12.00	11.10	120	833	419	1,868	753	79	1,372	Open to N
6+40W	5.0	5.0	58	962	262	1,952	1073	77	1,282	Open to N & S
7+40W	10.05	9.05	60	1,159	335	1,632	756	79	1,554	Open to N
13+50W	17.0	5.76	40	421	165	935	331	79	625	Weak zone above main zone
14+00W	17.96	6.96	43	922	308	1,115	403	54	1,272	Open to S

5.2.1 PAVEY ARK 2017 DRILLING PROGRAM

EDCOR Drilling Services Inc. of Toronto completed 3 BQTK diamond holes for a total of 320 m between October 29 and November 9, 2017 with a D1 Multi-power diamond drill. Holes EB17-01 and EB17-03 twinned Mustang holes ME00-19 and ME99-16 respectively (Figure 6). Hole EB17-02 was an in-fill hole drilled below EB17-01. The holes were drilled toward the south at an inclination of -45^{o} and intersections represent approximate true widths. Down hole surveys were conducted using a Devi-shot tool. Casings were left in the holes. A total of 92 samples of sawn ½ core with a nominal length of 1.0 m plus an additional 4 blanks and 4 standards for QA/QC purposes were submitted for assay. Sampling protocols are described in Section 11. The core is stored at the East Bull Lodge.

Figure 6: Location of Pavey Ark 2017 Drill Holes and Re-Sampled Freewest Drill



Source: *Base map from Easton et al. (2011) overlain on Google Earth (2018).*
Lithological codes correspond to legend in Figure 8.

Two Mustang drillholes were selected for twinning since none of the core from the Mustang 1999/2000 drill program on claim 1227910 was available. Investigations in 2017 by R.H. Sutcliffe concluded that the Mustang core had been kept at a rented storage site in Sudbury and was disposed in 2008. Pavey Ark has copies of the Mustang drill logs and copies of the assay certificates for all of the Mustang drill holes. This information was previously filed for assessment by Mustang.

A summary of significant intersections is presented in Table 4, on the next page. Hole EB17-01 was drilled at an azimuth of 180^{o} with an inclination of -45^{o} to twin Mustang hole ME00-19 that intersected 12.0 m at 2.51 g/t Pd+Pd+Au+Rh from 29.0 m to 41.0 m. Hole EB17-01 very successfully twinned and improved on the results of the Mustang intersection with EB17-01, returning strong PGM mineralization grading 2.87 g/t Pd+Pt+Rh+Au over the same 12.0 m interval. Hole EB17-01 returned the highest 1.0 m assay interval of the program with the 1.0 m from 36.0 to 37.0 intersecting 8.09 g/t Pd, 1.82 g/t Pt, 0.13 g/t Rh for a total 10.12 g/t Pd+Pt+Rh+Au plus 0.37% Cu and 0.29% Ni.

Hole EB17-02 was an in-fill hole drilled at azimuth 180^{o} with an inclination of -45^{o} that was designed to test the down-dip extension of mineralization in EB17-01/ME00-19. EB17-02 intersected a weak zone of mineralization from 86.0 to 92.0 m, however, the main target was impacted by the intersection of a strong shear zone and parallel diabase dikes in the upper part of the drill hole. Shear fabrics and contacts exhibit 25 to 30^{o} angles to the core axis that are consistent with an interpreted an azimuth 60^{o} strike and steep south dip. This shear structure and dikes appear to have dislocated the mineralized zone and may have resulted in an apparent minor displacement of the mineralized zone near the western boundary of the former Mustang property.

Hole EB17-03 was drilled at an azimuth of 180^{o} with an inclination of -45^{o} to twin Mustang hole ME99-16 that intersected 25.0 m at 1.03 g/t Pd+Pt+Au+Rh from 58.0 to 83.0 m. This broad intersection contained two stronger zones from 58.0 to 69.0 m and 80.0 to 83.0 m grading 1.51 g/t and 3.83 g/t Pd+Pt+Au+Rh respectively. Pavey Ark's hole EB17-03 very successfully twinned the Mustang hole and again improved on both of the Mustang intervals. In EB17-03 the upper intersection from 60.0 to 71.0 graded 1.76 g/t Pd+Pt+Rh+Au and the lower interval from 80.0 87.0 m graded 3.21 g/t Pd+Pt+Rh+Au.

The 60 samples of drill core that were measured for bulk density from holes EB17-01,02,03 had a range of 2.80 to 3.14 t/m^{3} and an average bulk density of 2.97 t/m^{3}. There was no discernable difference in bulk density between mineralized and host rock gabbro.

In addition to the sampling by Pavey Ark, Mr. Antoine Yassa, P.Geo. of P&E Mining Consultants Inc. of Brampton, Ontario, independently selected and sampled an additional six duplicate samples of ¼ core from hole EB17-01. Results are discussed in section 12.

Table 4: Summary of 2017 Drill Intersections

SUMMARY OF SIGNIFICANT 2017 DRILL INTERSECTIONS												
DDH	**From (m)**	**To (m)**	**Width (m)**	**Au ppb**	**Pd ppb**	**Pt ppb**	**Rh ppb**	**Ag ppm**	**Cu ppm**	**Ni ppm**	**Co ppm**	**PGM+ Au ppb**
EB17-01	29.0	41.0	12.0	71	2,082	665	49	0.91	2,258	1,344	92	2,867
Incl.	36.0	37.0	1.0	75	8,090	1,820	130	1.70	3,660	2,940	168	10,115
EB17-02	86.0	92.0	6.0	37	644	242	16	0.78	1,690	1,008	88	939
EB17-03	60.0	71.0	11.0	78	1,148	501	32	0.51	1,403	576	116	1,759
and	80.0	87.0	7.0	111	2,243	788	72	0.34	1,578	705	89	3,214
Intersections are approximate true widths.												

PAVEY ARK RE-SAMPLING AND ASSAY OF FREEWEST CORE

A total of 241 Freewest assay intervals from 8 Freewest holes drilled in 1999-2000 on present claim 4272475 were re-sampled during the current program to validate the historical work by Freewest. Seven holes for a total of 217 assay intervals were re-sampled by Pavey Ark and assayed at ActLabs, Ancaster. An additional 24 samples from one hole (321-00-21) were independently sampled by Mr. Antoine Yassa, P.Geo. of P&E Mining consultants and delivered at ALS Laboratories, Rouyn-Noranda for preparation. Pulps were analyzed at ALS facility in Vancouver, BC. Mr. Yassa's results are discussed in section 12.

The Freewest drill core (27 holes for a total of 2,902 m) had been stored outdoors at the East Bull Lodge since the 1999/2000 drill program. R.H. Sutcliffe reviewed the condition of the core in May 2017. The boxes were in several outdoor racks of which two had collapsed, the boxes were not in order and approximately 20% of the boxes were missing box labels. Despite the condition of the core, a high proportion of the assay tags were still legible. Craig Maitland and Des Cullan of Clark Exploration, Thunder Bay spent approximately 14 days at the East Bull Lodge in June recovering, reorganizing, and cataloguing the core. At the end of this work approximately 92% of the Freewest core boxes had been catalogued including 4 complete 321-99 series holes and 4 complete 321-00 series holes. (Note that all of the Freewest drillholes are identified by the prefix 321 which is sometimes omitted in the accompanying text, figures and tables.)

Freewest only submitted the 1999 drill logs and assay certificates for assessment and consequently, at the start of the program, only the 1999 data was available. Recovery of the data for the 2000 program proved to be challenging since Freewest was acquired by Cliffs Natural Resources Inc. ("Cliffs") in 2009. Subsequently Cliffs sold its Canadian assets to Noront Resources Ltd. ("Noront"). In August 2017, R.H. Sutcliffe located copies of the Freewest logs and assay certificates for all of the Freewest drill holes.

Based on the complete set of the Freewest drilling records, R.H. Sutcliffe, with guidance from Mr. Yassa at P&E, selected mineralized intervals in 8 Freewest drill holes for re-sampling (Table 5). The selection of holes was based on:

i) obtaining a distribution of mineralization intervals over the strike length of the property; and

ii) the ability to sample complete or near complete mineralization intervals; and

iii) have a high confidence of duplicating the original Freewest assay sample intervals.

Table 5: Re-sampled Intervals in Freewest Drill Holes

SUMMARY OF RE-SAMPLED MINERALIZED INTERVALS IN FREEWEST DRILL HOLES									
DDH	**UTM mE**	**UTM mN**	**Az**	**Incl**	**From (m)**	**To (m)**	**Width (m)**	**Samples**	**Comments**
99-02	404,788	5,141,451	180	-60	6.7	43.6	36.9	35	Missing 18.8-20.4 m & 24.9-28.5 m
00-02	404,508	5,141,414	188	-47	40.0	56.0	16.0	16	Complete
00-07	404,697	5,141,439	182	-45	3.0	43.0	40.0	36	Missing 27.0-31.0 m
00-10	404,691	5,141,567	180	-55	100.0	151.0	51.0	47	Missing 139.0-144 m
00-12	403,868	5,141,226	180	-45	14.3	31.0	16.7	11	Missing 22.0-28.0 m
00-17	404,070	5,141,235	180	-45	42.0	80.0	38.0	39	Complete
00-18	404,943	5,141,485	180	-45	28.0	62.0	34.0	33	Complete
00-21	405,036	5,141,537	180	-45	63.0	87.0	24.0	24	Complete
Total								**241**	
Intervals are approximate true widths. UTM coordinates NAD 83 Zone 17T									

Pavey Ark's exploration results in 2017 included hole EB17-01 that intersected 12.0 m at 2.87 g/t PGM+Au, 0.23% Cu and 0.13% Ni and hole EB17-03 that intersected 7.0 m of 3.21 g/t PGM+Au, 0.16% Cu and 0.07% Ni.

In total, Pavey Ark's 2017 exploration included 77 meters of channel sampling in 6 channels resulting in 79 assay samples, 320 meters of diamond drilling in 3 drill holes for a total of 92 assay samples, cataloguing and re-sampling of core originally drilled by Freewest in 1999 and 2000 for a total of 217 assays in 7 holes; and a differential GPS (DGPS) survey of all located historical drill casings and Pavey Ark channel samples.

The resulting Mineral Resource Estimate for the East Bull PGM Deposit at a 0.8 g/t PdEq cut-off is summarized in Table 6. The Property has an estimated pit constrained Inferred Resource of 11.1M tonnes at a grade of 1.46 g/t PdEq for a total of 523 k oz of palladium equivalent.

Table 6: East Bull Mineral Resource

PREVIOUS (2018) EAST BULL PALLADIUM DEPOSIT PIT CONSTRAINED MINERAL RESOURCE ESTIMATE AT A 0.8 G/T PDEQ CUT-OFF(1-5)									
	Tonnes (M)	**Au (g/t)**	**Pt (g/t)**	**Pd (g/t)**	**Rh (g/t)**	**Cu (%)**	**Ni (%)**	**Co (%)**	**PdEq (g/t)**
Inferred	11.1	0.05	0.26	0.58	0.04	0.14	0.05	0.01	1.46

(1) Mineral Resources which are not Mineral Reserves do not have demonstrated economic viability. The estimate of Mineral Resources may be materially affected by environmental, permitting, legal, title, taxation, socio-political, marketing, or other relevant issues, although Pavey Ark is not aware of any such issues.

(2) The Inferred Mineral Resource in this estimate has a lower level of confidence that that applied to an Indicated Mineral Resource and must not be converted to a Mineral Reserve. It is reasonably expected that

the majority of the Inferred Mineral Resource could be upgraded to an Indicated Mineral Resource with continued exploration.

(3) The Mineral Resources were estimated using the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), CIM Standards on Mineral Resources and Reserves, Definitions and Guidelines.

(4) Values in the table may differ due to rounding.

5.2.2 Canadian Palladium

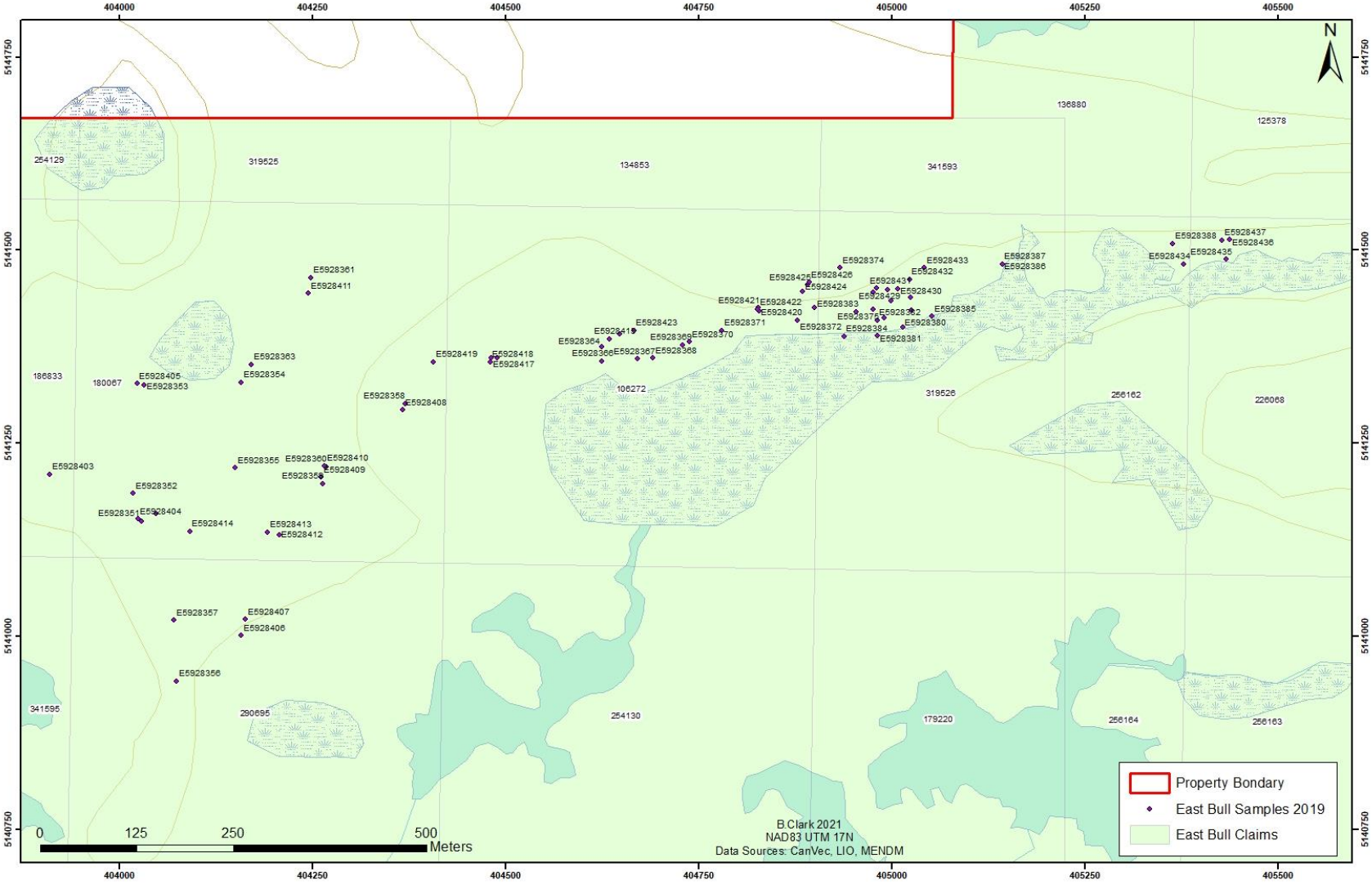
5.2.3 Prospecting 2019

A prospecting program was carried out by Clark Exploration and Consulting employees from June 27th to July 8th, 2019 and August, 16, through August 20th, 2019. In total 73 grab samples were taken and sent for analysis. Fourteen (14) grab samples returned >1g/t Pd with the highest grab assay being 6.57g/t Pd, 3.34 g/t Pt from Sample E5928415 (Table 7, Figure 13).

Table 7: Summary of grab samples 2019

Sample No.	Easting	Northing	Sample Description	Pt (ppb)	Pd (ppb)	Au (ppb)	Cu (%)	Ni (%)
E5928415	404634	5141385	Fine to medium grained gabbro-leucogabbro with up to 2-3% blebby and disseminated pyrite and chalcopyrite	3340	6569	652	0.48	0.04
E5928431	405008	5141450	As above, ~0.5 m east of 5928430, with 2-3%, locally up to 3-5% chalcopyrite, pyrite and pyhrrotite, with small (2 mm) bleb of native copper	1862	5543	440	0.96	0.17
E5928432	405023	5141462	Leucogabbro; fine to medium grained; white to beige with few mafics - could be felsic intrusive; 1% disseminated and blebby fine grained pyrite, pyhrrotite, and chalcopyrite	1354	4513	188	0.14	0.04
E5928430	405008	5141450	Fine grained gabbro; massive, with 1-2% locally up to 2-3% blebby, stringer and disseminated chalcopyrite, pyrite and pyhrrotite	1827	3967	230	0.5	0.13
E5928377	405024	5141439	Mgr grey, pervasively weather gabbro, 1-2% brassy chalcopyrite + silvery pyrrhotite	1024	3931	174	0.26	0.08
E5928418	404480	5141355	Coarse grained gabbro with up to 3-5% blebby and stringer chalcopyrite and pyrite (from blasted trench)	791	3101	279	0.94	0.09
E5928428	404980	5141451	Fine to medium grained gabbro; trace to locally 1% pyrite, chalcopyrite and pyhrrotite	908	2784	118	0.27	0.09
E5928416	404489	5141360	Medium grained gabbro-leucogabbro with 2-3% disseminated and blebby pyrite and chalcopyrite (+ pyhrrotite?), locally up to 5% (from blasted trench)	819	2244	107	0.27	0.09
E5928403	403910	5141210	Gabbro, fine to medium grained; outcrop has moderate foliation/shearing at 120° azimuth, dip undetermined	641	2135	176	0.37	0.06
E5928374	404933	5141477	Grey fgr gabbro, 3% silvery pyrrhotite/chalco, lesser brassy pyrite	481	1830	139	0.45	0.17
E5928417	404481	5141360	Medium to coarse grained leucogabbro with 1-2% disseminated and blebby pyrite and chalcopyrite (from blasted trench)	401	1602	74	0.14	0.06
E5928365	404648	5141391	Fgr grey-green gabbro, blebs of pyrrhotite + chalcopyrite (arsenopyrite?)	573	1402	90	0.2	0.12
E5928410	404266	5141221	Fine grained gabbro; moderate foliation at 60° azimuth, 80° N dip; trace fine grained pyrite	411	1340	146	0.26	0.08
E5928423	404666	5141396	Medium to coarse grained gabbro; moderate to strong iron oxide; trace to 0.5% sulphide	368	1107	48	0.06	0.04

Figure 7: Grab sample locations from 2019 prospecting.

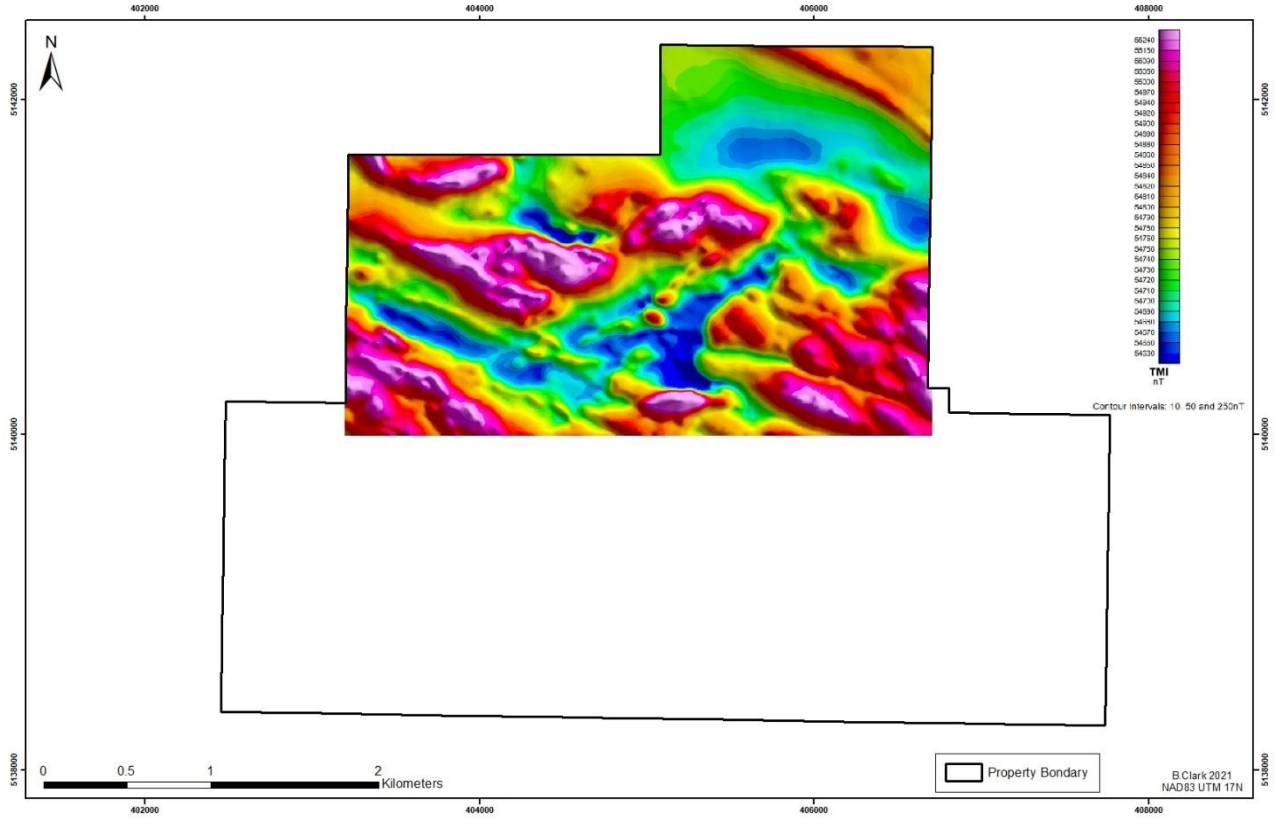


5.2.4 High Resolution airborne Magnetic survey

In November, 2020 Canadian Palladium Resources Inc. (CPRI) contracted SHA Geophysics Ltd. (SHA) to carry out a Heli-GT helicopter-towed, three-axis magnetic gradiometer survey over an area of interest near Massey, Ontario, Canada. Equipment and crew mobilized to the area on Tuesday, December 1st, 2020 and during the period December 2nd to December 4th, 2020 a total of 225 km of data was collected (Figure 8).

Survey lines were oriented north-south with 50m line spacing, control lines were oriented east-west with spacing 1400m

Figure 8: Total Magnetic Intensity (TMI) for the East Bull Project



5.2.5 Diamond Drilling

Canadian Palladium contracted Vital Drilling to provide drilling services for the East Bull PGM Property. Beginning in February 2020 the company drilled 48 diamond drill holes totalling 10,521 metres (Table 9, Figure 9).

Over the course of the drilling program mineralization was expanded along strike and at depth in both the Valhalla and Garden Zone. Step outs were generally 100m and mineralization was extended down dip and along strike. Mineralization was predominately near the upper contact between the vari-textured gabbro and leucogabbro interface consisting of disseminated to locally semi-massive chalcopyrite and pyrite. Refer to Table 9 for highlighted section of the drilling results.

In total 4,235 drill core samples were submitted for analysis the includes 132 blanks (3.1%), 136 standards (3.2%), and 132 duplicates (3.1%). The total number of QA/QC samples submitted were 400 (9.45%). Samples were shipped by Clark Exploration employees to Activation Laboratories in Ancaster, Ontario for analysis.

Palladium Equivalency was calculated using the following formula:

Table 8: PdEq Calculation

EAST BULL PROPERTY					
PdEq Calculation					
	Metal Price	Concentrate	Smelter	Refining Chg.	Average Grade
Element	$US/lb or oz	Recovery	Payable	$US/lb or oz	% or g/t
Ni	$4.62	30%	90%	$0.50	1.000%
Cu	$2.55	85%	85%	$0.08	1.000%
Au	$1,262	75%	85%	$7.50	1.000
Pt	$973	80%	90%	$7.50	1.000
Pd	$767	82%	90%	$7.50	1.000
Rh	$1,000	80%	90%	$7.50	1.000
Co	$20	71%	50%	$3.00	1.000%
$C/$US		$0.77			

	Payable Metal	
Element	$C/tonne	PdEq Ratio
Ni	$31.85	1.36
Cu	$51.09	2.18
Au	$33.39	1.43
Pt	$29.03	1.24
Pd	$23.40	1.00
Rh	$29.84	1.27
Co	$172.79	7.38
Subtotal	$168.77	

Process + G&A C$/t =	$20
PdEq Cut-Off g/t =	0.85

PdEq g/t = (Ni % x 1.36)+(Cu % x 2.18)+(Au g/t x 1.43)+(Pt g/t x 1.24)+(Rh g/t x 1.27)+(Co % x 7.38)+Pd g/t

Table 9: Drill hole collar locations 2020

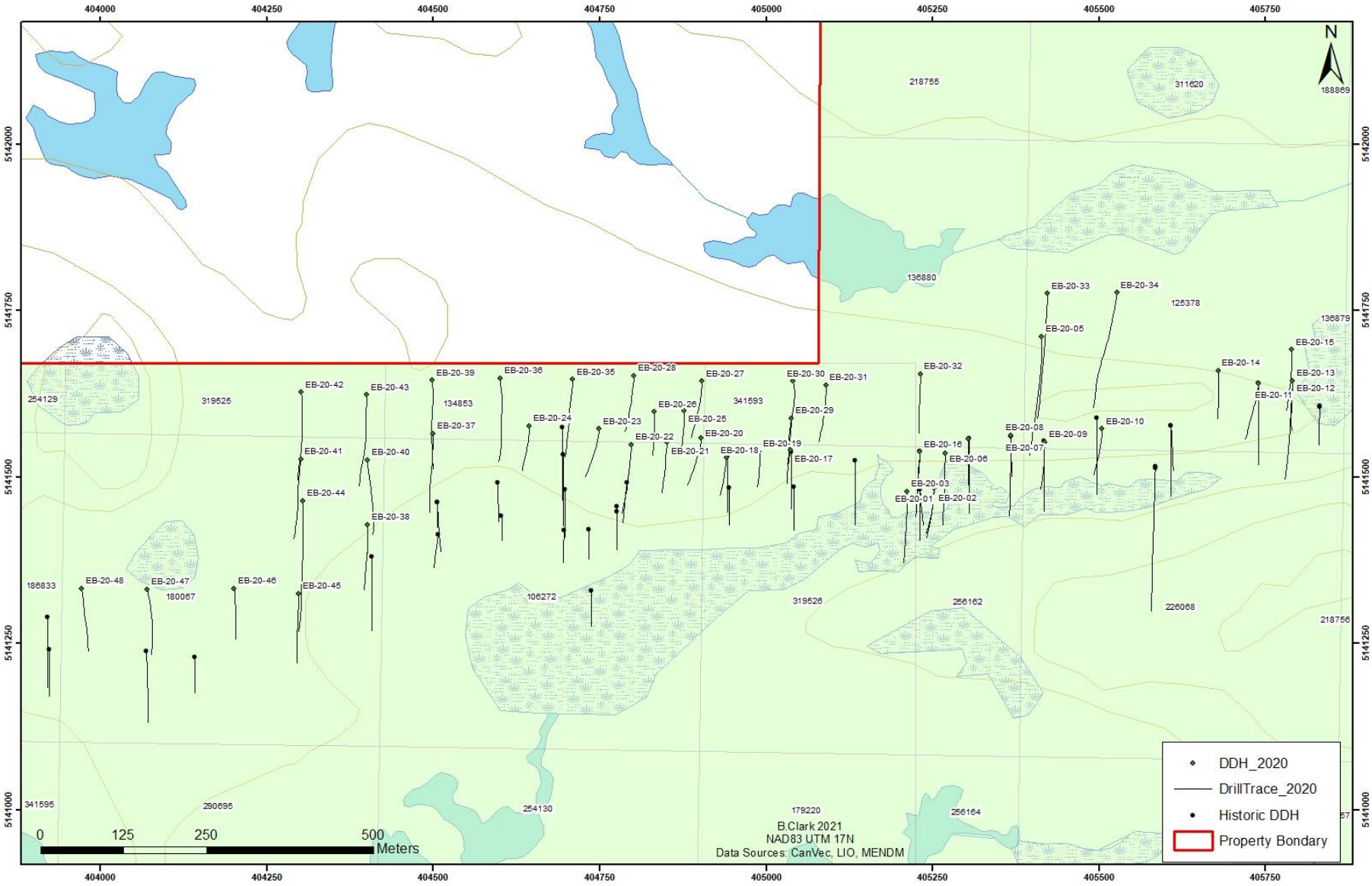
Hole ID	From (Metres)	To (Metres)	Width (Metres)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Pd Eq g/t
EB-20-01	27	38	11	2.156	1.039	0.057	0.098	0.164	0.088	0.006	4.088	5.217
Includes	27	33	6	3.108	1.614	0.083	0.121	0.117	0.072	0.005	6.299	7.672
EB-20-02	37	42	5	1.136	0.385	0.032	0.051	0.142	0.088	0.008	1.573	2.212
EB-20-03	27	42	15	1.118	0.472	0.028	0.076	0.181	0.095	0.008	1.869	2.694
Includes	28	31	3	2.397	1.307	0.065	0.134	0.224	0.106	0.005	4.854	6.293
also	59	70	11	0.174	0.146	0.003	0.057	0.145	0.048	0.008	0.463	1.050
EB-20-06	70	74	4	0.784	0.220	0.012	0.041	0.117	0.045	0.005	1.056	1.478
EB-20-07	109	118	9	2.141	0.823	0.049	0.142	0.173	0.061	0.007	3.106	3.940
Includes	112	115	3	4.224	1.600	0.108	0.231	0.284	0.085	0.008	6.055	7.472
also	124	133	9	0.574	0.235	0.018	0.056	0.152	0.052	0.009	0.865	1.436
EB-20-08	66	71	5	0.527	0.250	0.025	0.050	0.166	0.045	0.006	0.962	1.622
EB-20-09	58	62	4	0.870	0.460	0.030	0.042	0.083	0.023	0.004	1.463	1.964
EB-20-10	48	50	2	0.424	0.344	0.010	0.075	0.076	0.016	0.006	0.843	1.200
EB-20-11	104	108	4	0.633	0.242	0.014	0.041	0.081	0.024	0.007	0.913	1.270
EB-20-12	45	67	22	1.239	0.428	0.042	0.049	0.119	0.064	0.008	1.716	2.295
Includes	51	53	2	3.425	1.380	0.153	0.093	0.196	0.110	0.012	4.898	6.127
also	76	78	2	0.869	0.326	0.026	0.055	0.077	0.045	0.010	1.286	1.731
EB-20-13	58	76	18	0.455	0.137	0.004	0.037	0.120	0.041	0.008	0.629	1.107
Includes	58	60	2	0.832	0.216	0.017	0.048	0.153	0.043	0.006	1.095	1.626
also	62	73	11	0.492	0.156	0.004	0.038	0.128	0.047	0.008	0.686	1.224
EB-20-17	93	116	23	0.616	0.226	0.016	0.071	0.128	0.094	0.009	0.962	1.559
Includes	100	111	11	1.003	0.367	0.030	0.091	0.167	0.121	0.101	1.461	2.228
EB-20-18	72	92	20	0.522	0.206	0.021	0.030	0.104	0.065	0.006	0.758	1.206
Includes	83	92	9	0.602	0.242	0.023	0.049	0.161	0.082	0.007	0.894	1.514
also	96	110	14	0.498	0.221	0.015	0.053	0.183	0.085	0.009	0.772	1.445

Hole ID	From (Metres)	To (Metres)	Width (Metres)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Pd Eq g/t
EB-20-19	69	76	7	1.078	0.386	0.043	0.041	0.096	0.071	0.007	1.505	2.024
also	84	113	29	0.553	0.229	0.015	0.052	0.111	0.082	0.009	0.834	1.348
Includes	84	87	3	2.260	0.677	0.073	0.079	0.069	0.051	0.006	3.016	3.567
EB-20-20	99	131	32	0.536	0.193	0.015	0.066	0.174	0.070	0.007	0.794	1.414
EB-20-21	66	131	65	0.414	0.173	0.004	0.039	0.112	0.059	0.007	0.626	1.064
also	178	182	4	0.253	0.039	*	0.030	0.134	0.319	0.043	0.322	1.392
EB-20-22	62	133	71	0.406	0.155	0.010	0.044	0.133	0.066	0.008	0.605	1.109
Includes	95	125	30	0.442	0.178	0.009	.0.59	0.199	0.083	0.008	0.673	1.356
EB-20-23	89	143	54	0.424	0.154	0.010	0.043	0.090	0.042	0.006	0.620	0.983
EB-20-24	114	125	11	0.983	0.272	0.025	0.063	0.164	0.072	0.008	1.318	1.955
also	161	164	3	0.485	0.160	0.016	0.052	0.086	0.038	0.007	0.697	1.065
also	167	170	3	0.271	0.164	0.002	0.074	0.144	0.052	0.006	0.508	1.013
EB-20-25	136	142	6	0.832	0.466	0.025	0.036	0.085	0.065	0.008	1.333	1.823
also	168	176	8	0.281	0.176	0.005	0.063	0.160	0.062	0.008	0.520	1.084
EB-20-26	117	123	6	0.599	0.252	0.013	0.022	0.021	0.039	0.007	0.873	1.107
also	152	171	19	0.254	0.101	0.004	0.044	0.158	0.061	0.008	0.399	0.930
EB-20-27	179	196	17	0.346	0.157	0.007	0.050	0.138	0.077	0.008	0.552	1.085
Includes	187	191	4	0.546	0.230	0.011	0.076	0.209	0.091	0.008	0.852	1.591
EB-20-28	161	163	2	1.534	0.550	0.036	0.090	0.042	0.043	0.006	2.174	2.586
also	168	172	4	0.374	0.081	-	0.037	0.137	0.066	0.007	0.491	0.963
also	190	210	20	0.448	0.151	0.010	.0.38	0.105	0.060	0.007	0.637	1.064
EB-20-29	75	78	3	0.787	0.306	0.025	0.053	0.114	0.072	0.007	1.146	1.671
also	134	138	4	0.584	0.271	0.011	0.019	0.056	0.044	0.007	0.874	1.194
EB-20-30	174	175	1	0.396	0.289	-	0.057	0.055	0.039	0.006	0.742	1.051
also	181	182	1	0.287	0.115	-	0.040	0.296	0.063	0.006	0.442	1.265
also	232	234	2	0.193	0.186	-	0.051	0.185	0.079	0.011	0.430	1.085
EB-20-31	199	208	9	0.338	0.243	0.009	0.043	0.118	0.043	0.007	0.623	1.078

Hole ID	From (Metres)	To (Metres)	Width (Metres)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Pd Eq g/t
EB-20-32	194	196	2	0.374	0.132	-	0.029	0.070	0.040	0.006	0.535	0.947
	215	216	1	0.049	0.037	-	0.020	0.092	0.063	0.009	0.110	1.041
EB-20-33	289	291	2	0.587	0.380	-	0.012	0.007	0.023	0.006	0.978	1.165
EB-20-34	263	264	1	2.170	0.514	-	0.101	0.011	0.013	0.003	2.790	3.021
also	295	302	7	0.171	0.137	-	0.030	0.057	0.023	0.006	0.337	0.585
EB-20-35	138	152	14	0.465	0.164	0.025	0.029	0.086	0.049	0.007	0.658	1.045
and	156	159	3	0.521	0.164	-	0.027	0.052	0.042	0.006	0.711	0.975
and	174	183	9	0.369	0.209	-	0.063	0.070	0.035	0.006	0.642	0.966
and	192	193	1	0.432	0.227	-	0.054	0.175	0.067	0.009	0.710	1.331
EB-20-36	164	173	9	0.619	0.176	0.017	0.030	0.028	0.029	0.006	0.825	1.044
and	180	181	1	0.727	0.157	-	0.045	0.075	0.032	0.005	0.930	1.230
and	188	194	6	0.299	0.207	-	0.048	0.073	0.047	0.007	0.554	0.899
EB-20-37	128	140	12	1.798	0.499	0.060	0.092	0.143	0.044	0.006	2.389	3.042
including	133	138	5	3.639	0.924	0.109	0.160	0.217	0.041	0.006	4.723	5.725
including	137	138	1	6.400	1.566	0.180	0.350	0.297	0.027	0.006	8.316	9.796
and	165	166	1	0.075	0.062	*	0.280	0.490	0.087	0.009	0.416	1.801
EB-20-38	65	85	20	0.572	0.207	0.020	0.039	0.078	0.043	0.006	0.817	1.181
and	98	99	1	0.471	0.479	*	0.018	0.008	0.024	0.007	0.968	1.191
EB-20-39	183	197	14	0.584	0.214	0.020	0.053	0.073	0.037	0.006	0.851	1.202
EB-20-40	117	145	28	0.967	0.347	0.048	0.088	0.139	0.069	0.007	1.402	2.031
including	121	126	5	2.846	0.965	0.145	0.197	0.246	0.129	0.008	4.009	5.280
also	153	156	3	0.477	0.294		0.028	0.093	0.045	0.007	0.799	1.193
EB-20-41	195	197	2	0.338	0.537		0.023	0.057	0.017	0.005	0.897	1.224
EB-20-42	216	223	7	0.712	0.250	0.032	0.065	0.121	0.054	0.009	1.027	1.561
EB-20-43	192	199	7	0.765	0.331		0.057	0.127	0.081	0.009	1.153	1.710
also	204	214	10	0.766	0.365		0.035	0.042	0.028	0.005	1.166	1.437
EB-20-44	169	173	4	0.634	0.296		0.023	0.057	0.023	0.004	0.953	1.219

Hole ID	From (Metres)	To (Metres)	Width (Metres)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Pd Eq g/t
EB-20-46	113	122	9	0.552	0.178		0.049	0.101	0.034	0.007	0.779	1.163
EB-20-47	147	154	7	0.480	0.154		0.058	0.173	0.074	0.009	0.692	1.301
EB-20-48	157	163	6	0.324	0.112	-	0.045	0.090	0.038	0.007	0.481	0.829

Figure 9: Drill plan map 2020

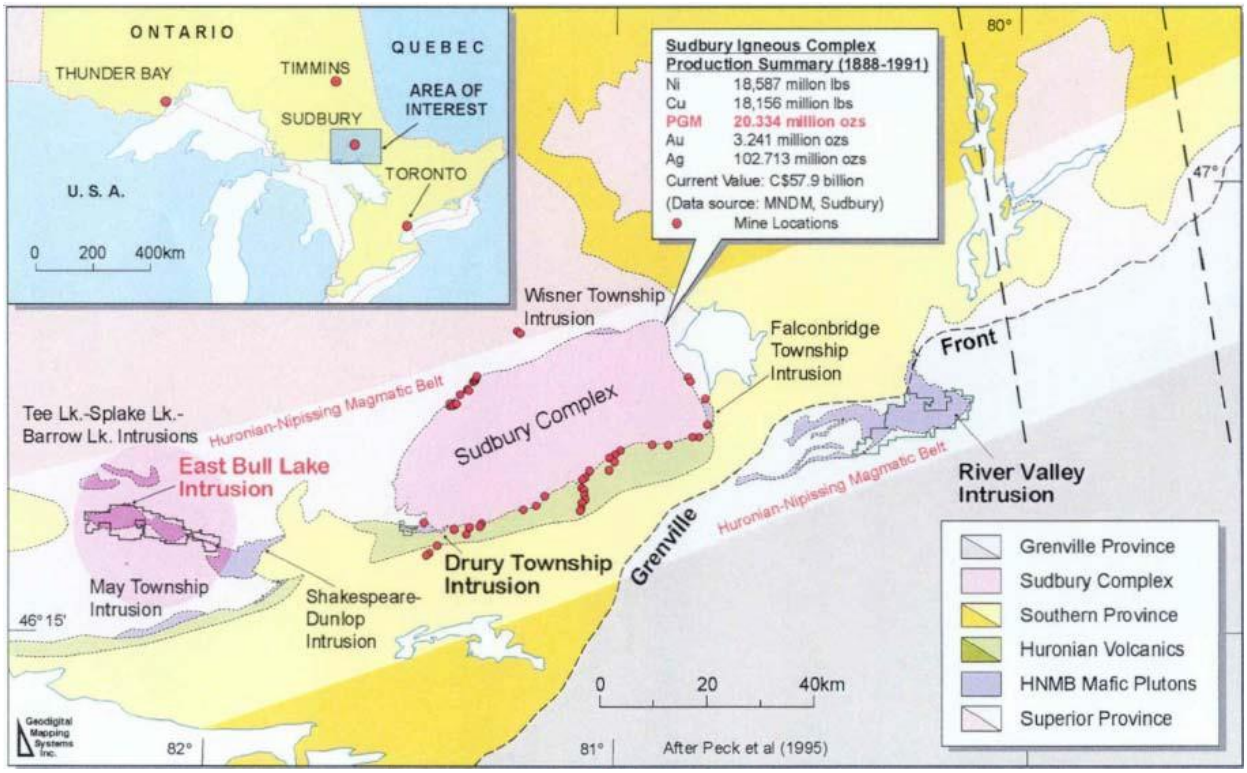


6.0 GEOLOGICAL SETTING AND MINERALIZATION

6.1 REGIONAL GEOLOGY

Pavey Ark's East Bull PGM Property is underlain by gabbroic rocks of the Paleoproterozoic East Bull Lake Intrusive Suite. The ca. 2.48 Ga East Bull Intrusive Suite (Easton et al. 2010) consists of several intrusions of dominantly gabbronorite to gabbroic anorthosite that occur in both the Southern and Grenville provinces in the Sudbury area between Elliot Lake and North Bay (Figure 10). The three largest intrusive bodies of the Suite are the East Bull Lake and Shakespeare Dunlop (or Agnew Lake) Intrusions in the Southern Province and the River Valley Intrusion in the Grenville Province.

Figure 10: Location of Early Proterozoic Gabbroic Rocks of the East Bull Intrusive



Source: *(Peck et al. 1995; Wood, 2001)*

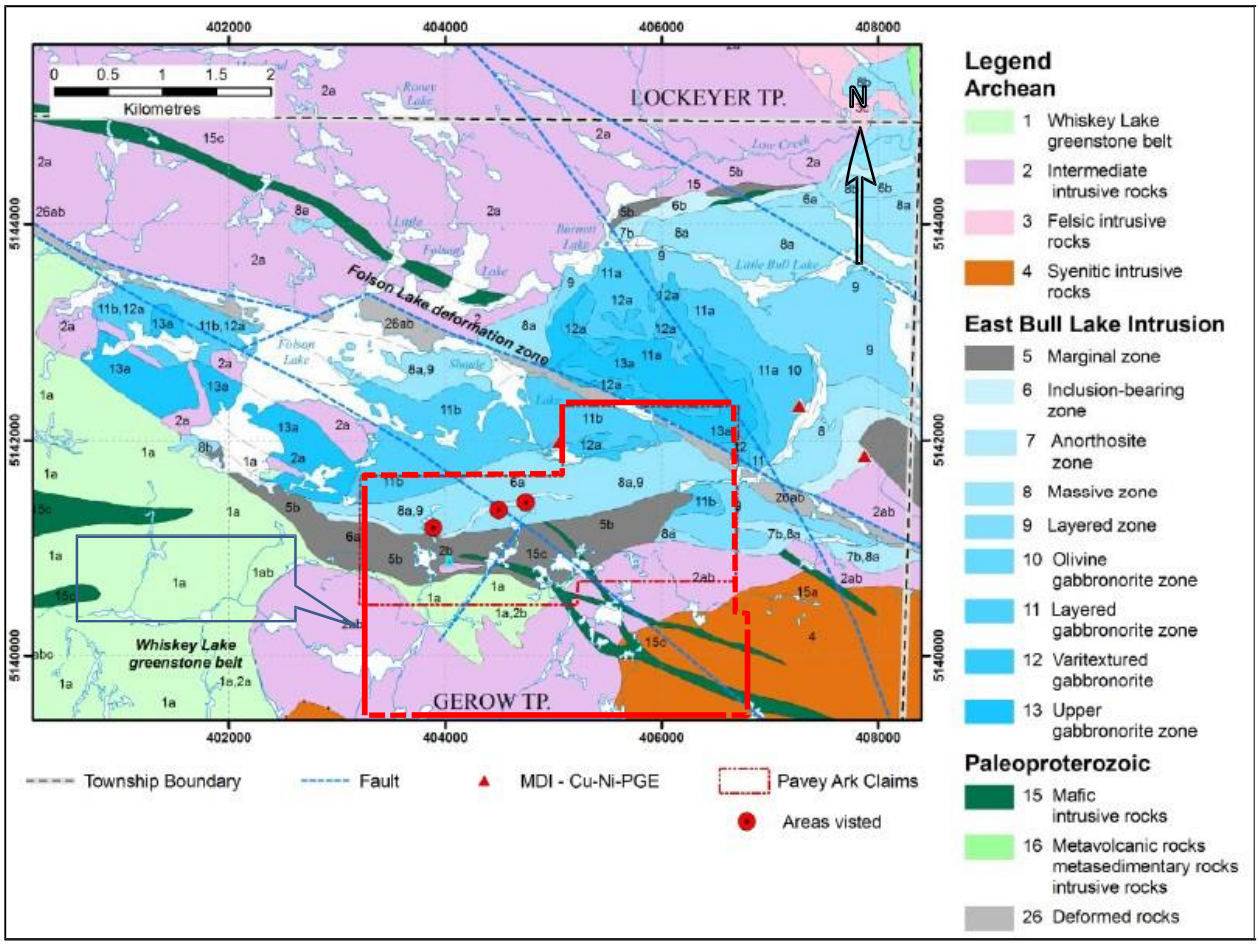
Easton et al. (2010) consider that the intrusions of the East Bull Lake Intrusive Suite occur as an east-northeast-trending belt along the boundary of the Archean Superior and the Proterozoic Southern provinces in Ontario, Canada. The East Bull Lake Intrusive Suite is part of a regional, Paleoproterozoic, bimodal magmatic event resulting from mantle-plume driven, intracontinental rifting. This event formed a major basin, filled by sedimentary and igneous rocks of the Huronian Supergroup. Intrusions of similar age and composition in Finland and Wyoming were once contiguous with the East Bull Lake Intrusive Suite prior to tectonic dispersion during the Proterozoic. Several younger magmatic events post-date the East Bull Lake Intrusive Suite and include: the 2.15 Ga Nipissing Magmatic Event; the 1.85 Ga Sudbury Igneous Complex; and 1.25 Ga olivine diabase dikes.

Easton et al. (2011) describe the East Bull Lake Intrusion as consisting of 2 interconnected magma chambers referred to as the Western Lobe and the Eastern Lobe that are connected by a dike like conduit. The East Bull Lake Intrusion outcrops over an area of about 43 km^2, is 20 km long, and up to 4 km wide. The Intrusion is a layered lopolith with shallow inward dips from the northeast and southwest contacts, and steeper inward dips from the northwest and southeast contacts. The Intrusion was emplaced into Archean meta-volcanic and plutonic rocks of the Superior Province. Pavey Ark's East Bull PGM property is on the southern contact of the western lobe.

6.2 PROPERTY GEOLOGY

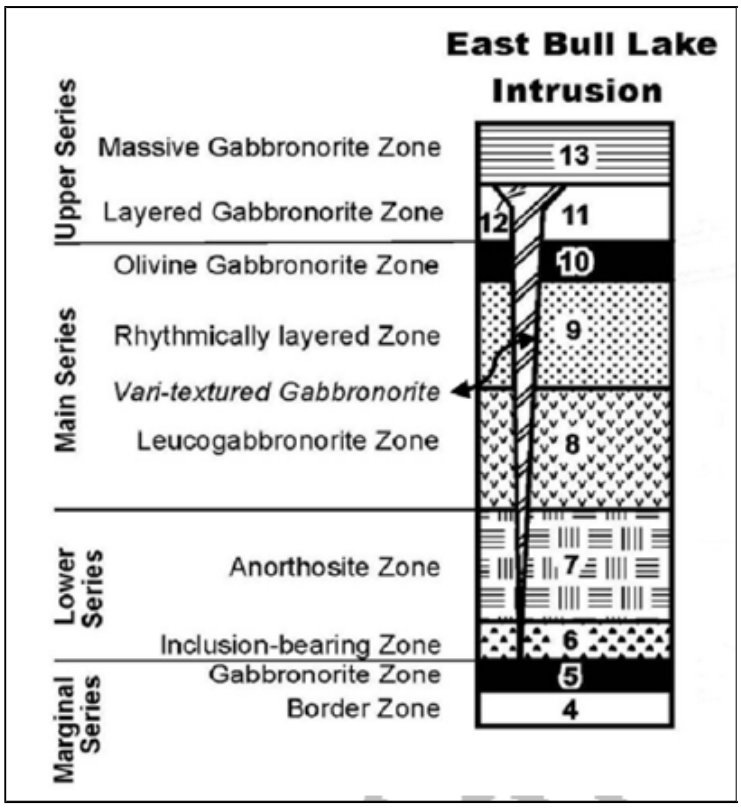
Pavey Ark's East Bull PGM Property is located on the southern contact of the larger western magma chamber of the East Bull Lake Intrusion (Figure 11). As documented by Easton et al. (2010), the stratigraphy of the East Bull Lake Intrusion is divided into the Marginal, Lower, Main, and Upper Series (Figure 12). On Pavey Ark's East Bull PGM Property the PGM and base metal mineralization is primarily hosted in the Inclusion Bearing Zone at the base of the Lower Series. This is the main host rock for PGM in the East Bull Intrusion.

Figure 11: Geology of the East Bull PGM Property



Source: *Modified from Easton et. al. (2011)*

Figure 12: Igneous Stratigraphy of the East Bull Lake Intrusion



Source: *Easton et al. 2011*

The Marginal Series is transitional from Archean footwall rocks to the Lower Series rocks and may be absent with the Lower Series in direct contact with the footwall.

Border Zone – is developed as a breccia up to tens of metres thick composed of locally derived Archean footwall blocks (granite, tonalite, syenite, basalt) hosted in fine to coarse grained leucogabbro, gabbro, melanogabbro, and anorthosite.

Gabbronorite Zone – overlies the Border Zone and is typically only a few metres thick and may have developed as a chill margin to the EBLI or from late injections of mafic magma that were unable to penetrate the overlying Lower Series.

The Lower Series is composed of a lower xenolith and autolith-bearing unit (Inclusion Bearing Zone) and an overlying Anorthositic Gabbro Zone. The Lower Series hosts almost all known contact style PGE sulphide mineralization in the EBLI.

Inclusion Bearing Zone (IBZ) – occurs as either a chaotic, multi-stage breccia, or distinctive blue quartz bearing gabbro or relatively massive leucogabbro or gabbro with rare inclusions. The IBZ is typically more mafic than the overlying anorthositic gabbro.

Anorthositic Gabbro Zone (AGZ) – is a plagioclase-rich unit composed mostly of leucogabbro and anorthositic gabbro.

The Main Series is composed of three units:

Leucogabbro Zone – is composed of massive leucogabbro with poorly developed layering in the upper portion.

Rhythmically Layered Zone – is composed of gabbro and leucogabbro layers (up to tens of metres thick).

Olivine Gabbronorite Zone – comprises the upper portion of the Main Series.

The Upper Series is composed of two units:

Layered Gabbronorite Zone – is characterized by common irregular textural and modal layering.

Massive Gabbronorite Zone – is composed of massive to vari-textured gabbro with grain size textural heterogeneity, pegmatoidal pods, and dendritic pyroxene masses. Similar vari-textured gabbros occur throughout the EBLI as metre-sized pods.

On the East Bull Property, the gabbroic units strike approximately 080^{o} and dip to the north at approximately 45^{o}. From north to south, the main units encountered in the area of trenching and drilling expose the transition from the Lower Series Anorthositic Gabbro and Inclusion Bearing Zones to the Marginal Series Gabbronorite Zone. The main lithologies are characterized as follows:

Anorthositic gabbro – Medium-grained to coarse-grained and pegmatitic leuco-gabbro, locally anorthosite patches, locally with 5 to 10% intercumulus leucoxene, dark green to grey, altered plagioclase and mafics;

Inclusion Bearing Zone (IBZ) – Medium grained, equigranular, dark green melanogabbro, clots of coarse plagioclase, traces to 2% chalcopyrite plus minor pyrrhotite in fine clusters;

Gabbronorite Zone – Medium grained to fine grained gabbro, traces of sulphide, mainly pyrite.

Pink to buff coloured, medium- to fine-grained equigranular to porphyritic syenite is a minor intrusive phase into the IBZ gabbroic rocks in the vicinity of the mineralized zone.

Medium-grained diabase dikes and porphyritic diabase dikes, with plagioclase phenocrysts to 5 cm, intrude the East Bull Gabbro intrusion. The dikes range in width from meter scale to 10's of meters, and strike at approximately 060^{o} and 120^{o}. In drill core intersections (e.g. EB17-02), these dikes have aphanitic chilled margins adjacent to medium grained gabbroic rocks of the East Bull Gabbro. Regionally, Easton et al. (2011)

interpret the 120° trending dikes as 2.47 to 2.45 Ga dikes of the Matachewan swarm that are approximately contemporaneous with the East Bull Lake intrusion.

6.3 STRUCTURE

The Property is on the southern contact of the western lobe of the East Bull Lake Intrusion. The western lobe has the form of a layered lopolith with inward dipping contacts. Legault et al. (2011) developed 2D inversions of ZTEM data to generate a north south resistivity section through the East Bull Lake Intrusion that show a basal conductive layer at approximately 800 m that is consistent with AECL drill holes that intersected the basement at 770 m. These data indicate that the intrusion is approximately 1 km thick.

On the Property, the gabbroic units strike at approximately azimuth 078° to 080° and dip to the north at approximately -45°. This igneous layering is defined by the geometry of geological units defined from surface mapping and drill core and also by local macroscopic layering and foliation textures in gabbroic rocks.

In the eastern part of the property, the gabbroic rocks including the mineralized zone are cut by sub-vertical diabase dykes that trend at approximately azimuth 120°. These dykes are interpreted to be part of the regional Matachewan dyke swarm that has been radiometrically dated at 2.48 Ga and of similar age to the East Bull Lake Intrusive Suite. In the central part of the property, medium grained diabase dykes with well-defined chill margins against gabbro host rocks are observed in drill core and are interpreted to trend at azimuth 060°. Both the azimuth 060° and 120° trending dykes are characterized by linear magnetic lows against the stronger magnetic response of the East Bull host rocks.

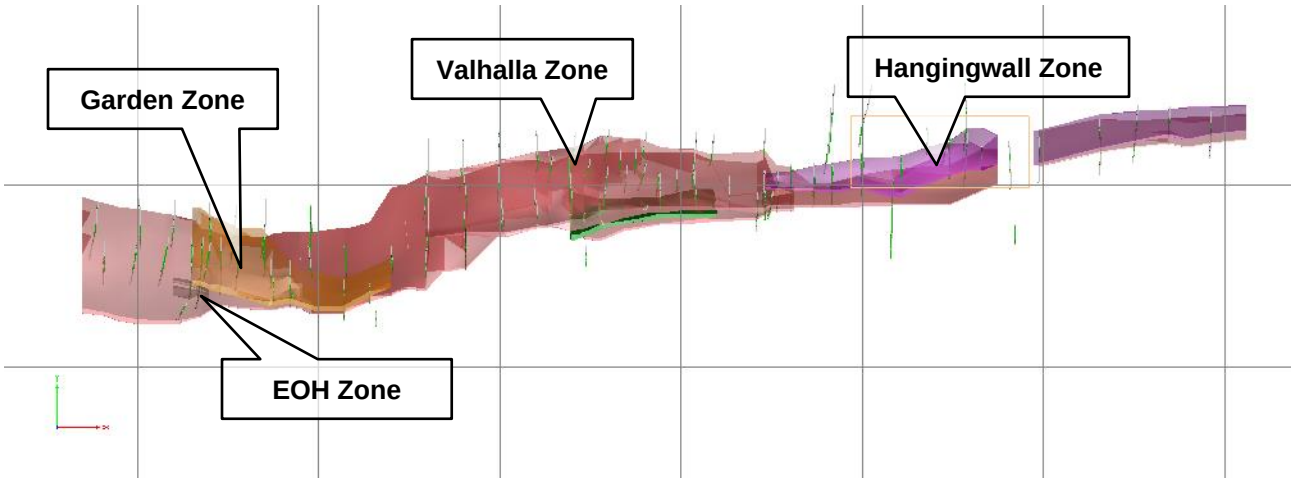
The Folson Lake deformation zone is at azimuth 120° striking, steeply-south dipping, zone of strong deformation and shearing that cuts the East Bull Gabbro intrusion in the northeast corner of the Property. Quartz veins and quartz vein stockworks are a significant component of the deformation zones. The Folson deformation zone is east of East Bull PGM deposit as currently delineated.

Strongly sheared rocks were also intersected in hole EB17-02 where shear zone foliation displays 25 to 30° core angles and is parallel to the chill margin of diabase dykes that are interpreted to strike at azimuth 060°.

6.4 DEPOSIT GEOLOGY

Sulphide mineralization in the East Bull Intrusion is primarily developed in the Inclusion- Bearing Zone ("IBZ"), within a few tens of metres of the footwall contact of the East Bull Intrusion with host rocks of the Whiskey Lake greenstone belt. Mineralization also locally occurs disseminated throughout the Anorthosite zone and in the overlying Leucogabbronorite Zone at a distance of up to 400 m stratigraphically above the margin of the intrusion (Peck et al., 2000, Wood 2001).

Figure 13: Plan View of East Bull PGM Deposit



Source: *P&E for Pavey Ark (2022)*

On the East Bull Property, significant precious metal and base metal mineralization has been defined by drilling and surface trenching in the Varitextured melagabbro unit over a strike length of 3.5 km. The Valhalla Zone, named after the original Freewest discovery, is the largest mineralized zone with a strike length of >2,500 m and extends from the former Freewest claim onto the former Mustang claim, where it was previously named the Bullfrog zone. The Valhalla Zone strikes approximately 078º and dips approximately 45º north. The zone is typically 20 m to 25 m wide, but locally is up to 60 m wide and has been drilled down-dip to a maximum vertical depth of approximately 250 m. The Hanging Wall Zone occurs as 20 m to 25 m wide mineralized zone, parallel to the Valhalla Zone, in the eastern part of the Deposit. The Hanging Wall Zone has been defined in the eastern part of the Property on the former Mustang property over a strike length of approximately 700 m.

6.5 MINERALIZATION

Mineralization locally contains up to 10% sulphide, but more typically mineralization consists of 0.1 to 1.0% sulphide and rarely exceeds 2%. The sulphides consist of finely disseminated grains, and coarser blebs up to 5cm in diameter with chalcopyrite and pyrrhotite and that appear to have initially formed as primary magmatic sulphides (Figure 14).

Figure 14: Coarse Sulphide Blebs in Coarse Grained Gabbro, Freewest Line 7+50W

Photograph Source: *Pavey Ark (2017)*

Cabri (2000) completed a mineralogical study of core samples from the East Bull PGM Deposit on the former Freewest claim. Cabri completed reflecting light microscope studies and scanning electron microscope studies to identify the sulphide minerals. The major sulphide phases are pyrrhotite, chalcopyrite, pentlandite and pyrite. Based on energy dispersive spectra, PGM minerals were identified as: froodite ($PdBi_2$); kotulsite (PdTe); merenskyite ($PdTe_2$); michenerite (PdBiTe); unidentified Pd arsenide; sperrylite ($PtAs_2$); platarsite (PtAsS); and hollingsworthite (RhAsS). Gold grains were also identified. The PGM and gold occur as small inclusions ranging in size from 1 to 30 µm in size included in all of the major sulphide minerals.

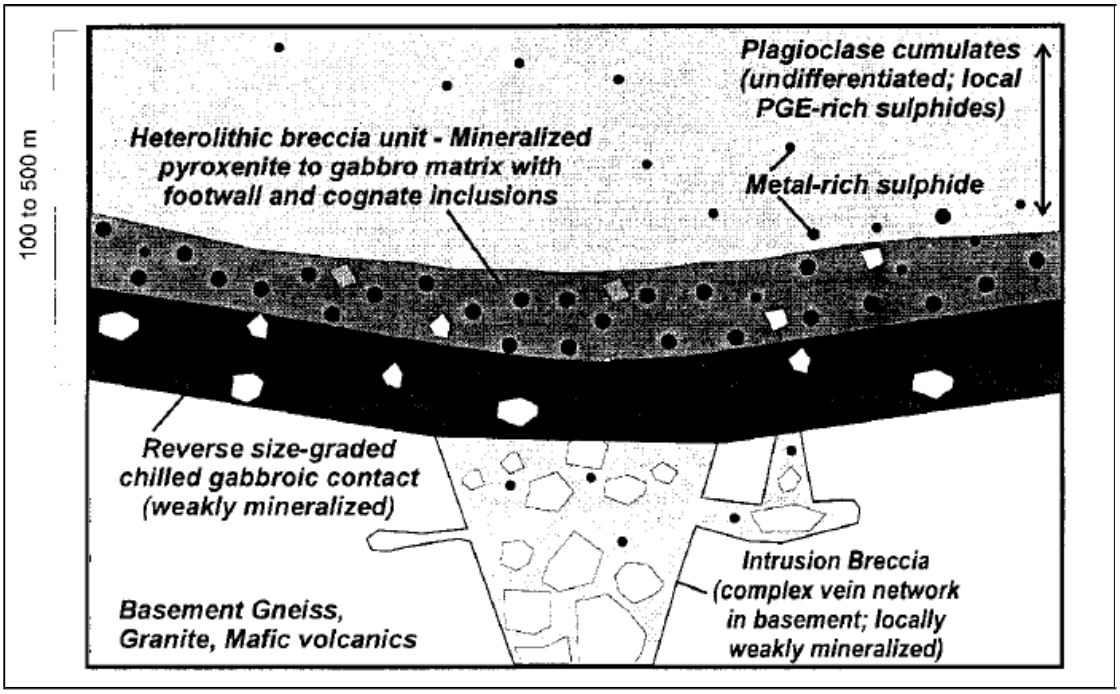
7.0 DEPOSIT TYPES

Based on studies of the distribution, mineralogy and geochemistry of the magmatic sulphides in the East Bull Lake Intrusion Peck et al. (1995, 2001) determined the mineralization to be magmatic “contact-type”, with disseminated and blebby PGE-rich sulphides occurring in both the Marginal and Lower series (Figure 1 5). Sulphides are most abundant in the inclusion- bearing zone of the Lower series, and generally within a few tens of metres from a contact. The mineralization in the Lower series is characterized by approximately equal amounts of chalcopyrite and pyrrhotite, whereas in the Marginal series, mineralization is higher in pyrrhotite and pyrite. Where pyrite is a major constituent of the sulphide mineralogy the PGE concentrations tend to be low.

Primary textures observed by Peck et al. (1995) indicate that the PGE-bearing magmatic sulphides formed from a copper-rich immiscible sulphide liquid. Contact-style PGM mineralization develops as the result of sulphur-saturation brought on by the interaction of the fertile parental magma with the surrounding country rock lithologies. The contamination of the initial fertile parental magma by the addition of either silicon dioxide and/or sulphur can directly result in sulphur saturation and separation of a PGE-rich immiscible sulphide. The addition of silicon dioxide and/or sulphur is typically achieved by the assimilation of either local country rock lithologies and/or the assimilation of breccia fragments previously developed along the contact margin.

Examples of other deposits of this type include the mineralization currently being explored by New Age Metals (formerly Pacific North West Capital Corp.) on the River Valley Property, Ontario (McCracken 2012), the Platreef in the Bushveld Complex in South Africa, and the Portimo Complex in Finland (Easton et al. 2010).

Figure 15: Contact–Type Magmatic PGM-Cu-Ni Mineralization Model



8.0 EXPLORATION

8.1 Diamond Drilling

Canadian Palladium contracted Vital Drilling to provide drilling services for the East Bull PGM Property. Beginning in February 2021 the company drilled 37 diamond drill holes totalling 9,669.6 metres (Table 11, Figures 16).

Casings were left in the majority of holes. Downhole surveys were completed at 100 m intervals with Reflex Downhole instrumentation. D.S, Dorland Ltd, of Sudbury completed a DGPS survey of the Canadian Palladium drill hole locations in August 2021 (Holes EB-20-01 thorough EB-21-72).

Holes targeting the Valhalla and Garden Zone were typically drilled at an azimuth of 180° with inclinations of 45 to 60° in order to test the east-west striking and 45° north dipping mineralized zone. Step outs were nominally spaced at 100 m. Over the course of the drilling program mineralization was significantly extended along strike and at depth in both the Valhalla and Garden Zones.

In the Valhalla and Garden Zones, mineralization was predominately intersected near the upper contact of the Varitextured melagabbro unit with the overlying leucogabbro unit. Mineralization mainly consists of disseminated chalcopyrite and pyrrhotite. The lower contact of mineralization is less well defined and the melagabbro grades into medium grained gabbro/gabbronorite with disseminated pyrite. The main Valhalla and Garden Zones strike east-west and are located on the north flank of a magnetic high feature. A magnetic low trending at approximately 120° is associated with a fault that offsets the Valhalla and Garden Zones.

The EOH Zone that was discovered in 2021, trends at 060° and is interpreted to be a feeder conduit that underlies the Garden Zone. Several thicker and higher grade Garden Zone intersections such as holes EB-21-55 and -78, occur on the northwest side of the projected extension of the EOH Zone and appear to be related to proximity to the EOH Zone. Similarly, the 060° striking GAP Target in the central part of the Valhalla Zone is associated with a number of higher grade intersections including hole EB-21-80 that intersected the highest grade mineralization of the 2020/21 campaign with 1 m at 9.8 g/t Pd and 3.0 g/t Pt. Both the EOH Zone and GAP target warrant further drilling to investigate potential higher grade zones. These targets are best drilled with north west or south east directed holes.

Crone Geophysics performed downhole geophysics on select drillholes in hopes of producing a downhole anomaly to be targeted by future drilling. This survey was unsuccessful at generating any anomalies.

In total 3,726 drill core samples were submitted for analysis the includes 123 blanks (3.3%), 121 standards (3.2%), and 108 duplicates (2.9%). The total number of QA/QC

samples submitted were 400 (9.45%). Samples were shipped by Clark Exploration employees to Activation Laboratories in Ancaster, Ontario for analysis.

Palladium Equivalency was calculated using the following formula:

Table 10: PdEq Calculation

EAST BULL PROPERTY					
PdEq Calculation					
	Metal Price	**Concentrate**	**Smelter**	**Refining Chg.**	**Average Grade**
Element	**$US/lb or oz**	**Recovery**	**Payable**	**$US/lb or oz**	**% or g/t**
Ni	$4.62	30%	90%	$0.50	1.000%
Cu	$2.55	85%	85%	$0.08	1.000%
Au	$1,262	75%	85%	$7.50	1.000
Pt	$973	80%	90%	$7.50	1.000
Pd	$767	82%	90%	$7.50	1.000
Rh	$1,000	80%	90%	$7.50	1.000
Co	$20	71%	50%	$3.00	1.000%
$C/$US		$0.77			

	Payable Metal	
Element	**$C/tonne**	**PdEq Ratio**
Ni	$31.85	1.36
Cu	$51.09	2.18
Au	$33.39	1.43
Pt	$29.03	1.24
Pd	$23.40	1.00
Rh	$29.84	1.27
Co	$172.79	7.38
Subtotal	**$168.77**	

Process + G&A C$/t =	**$20**
PdEq Cut-Off g/t =	**0.85**

PdEq g/t = (Ni % x 1.36)+(Cu % x 2.18)+(Au g/t x 1.43)+(Pt g/t x 1.24)+(Rh g/t x 1.27)+(Co % x 7.38)+Pd g/t

Table 11: Drill hole collar locations 2021

HOLE-ID	UTM_E	UTM_N	Elevation	LENGTH	AZIMUTH	DIP	No. Assays	CORE-SIZE	Date Start	Date Complete	Collar Claim ID	Provincial Cell Grid ID
EB-21-49	403979	5141446	376	255	180	-60	223	NQ	2021-01-16	2021-01-20	180067	41J08J381
EB-21-50	403852	5141352	367	200	180	-60	167	NQ	2021-01-26	2021-01-28	186833	41J08K400
EB-21-51	403780	5141326	378	225	180	-60	153	NQ	2021-01-28	2021-01-31	186833	41J08K400
EB-21-52	403702	5141342	384	284	180	-60	193	NQ	2021-02-01	2021-02-03	186833	41J08K400
EB-21-53	403587	5141354	383	251	180	-60	166	NQ	2021-02-04	2021-02-08	186833	41J08K400
EB-21-54	403502	5141351	380	251	180	-60	115	NQ	2021-02-26	2021-03-06	186833	41J08K400
EB-21-55	403701	5141451	382	311	180	-60	99	NQ	2021-03-07	2021-03-14	186833	41J08K400
EB-21-56	403774	5141442	380	320	180	-60	146	NQ	2021-03-16	2021-03-21	186833	41J08K400
EB-21-57	404159	5141154	370	161	180	-75	30	NQ	2021-03-21	2021-03-23	180067	41J08J381
EB-21-58	405790	5141691	360	251	0	-70	36	NQ	2021-04-16	2021-04-18	125378	41J08J364
EB-21-59	405905	5141620	357	251	180	-60	36	NQ	2021-04-22	2021-04-22	180067	41J08J381
EB-21-60	405987	5141635	359	251	180	-60	49	NQ	2021-04-25	2021-04-27	180067	41J08J381
EB-21-61	406154	5141682	360	302	180	-60	70	NQ	2021-04-27	2021-04-30	180067	41J08J381
EB-21-62	406260	5141719	363	302	180	-60	84	NQ	2021-04-30	2021-05-04	180067	41J08J381
EB-21-63	406348	5141716	378	161	180	-60	89	NQ	2021-05-05	2021-05-07	180067	41J08J381
EB-21-64	406462	5141703	382	251	180	-60	60	NQ	2021-05-07	2021-05-10	292705	41J08J366
EB-21-65	403408	5141347	374	248	180	-60	80	NQ	2021-06-05	2021-06-08	341594	41J08K399
EB-21-66	403391	5141455	385	317	180	-60	85	NQ	2021-06-08	2021-06-11	341594	41J08K399
EB-21-67	403506	5141460	379	275	180	-60	108	NQ	2021-06-12	2021-06-15	186833	41J08K400
EB-21-68	403681	5141357	380	383	180	-60	211	NQ	2021-06-15	2021-06-18	186833	41J08K400
EB-21-69	403604	5141459	377	275	180	-60	92	NQ	2021-06-18	2021-06-20	186833	41J08K400
EB-21-70	403730	5141355	380	305	180	-60	111	NQ	2021-06-20	2021-06-22	186833	41J08K400
EB-21-71	403651	5141356	380	326	180	-60	152	NQ	2021-06-22	2021-06-24	186833	41J08K400
EB-21-72	403856	5141462	385	326	180	-60	90	NQ	2021-06-25	2021-06-27	186833	41J08K400
EB-21-73	404196	5141474	368	227	180	-45	69	NQ	2021-08-26	2021-08-27	186833	41J08K400
EB-21-74	404191	5141541	368	281	180	-60	53	NQ	2021-08-28	2021-08-30	186833	41J08K400

HOLE-ID	UTM_E	UTM_N	Elevation	LENGTH	AZIMUTH	DIP	No. Assays	CORE-SIZE	Date Start	Date Complete	Collar Claim ID	Provincial Cell Grid ID
EB-21-75	404205	5141634	365	300	180	-60	0	NQ	2021-08-31	2021-09-02	186833	41J08K400
EB-21-76	403712	5141156	360	251	360	-70	140	NQ	2021-09-03	2021-09-05	186833	41J08K400
EB-21-77	403712	5141156	360	269	315	-70	216	NQ	2021-09-05	2021-09-06	186833	41J08K400
EB-21-78	403858	5141319	366	338	315	-70	90	NQ	2021-09-07	2021-09-10	186833	41J08K400
EB-21-79	403937	5141349	367	272	180	-70	100	NQ	2021-09-10	2021-09-13	186833	41J08K400
EB-21-80	405204	5141462	352.5	200	280	-45	108	NQ	2021-09-16	2021-09-18	319526	41J08J383
EB-21-81	405207	5141492	354	161.6	280	-45	62	NQ	2021-10-23	2021-10-24	319526	41J08J383
EB-21-81a	405207	5141492	354	144	280	-45	43	NQ	2021-10-08	2021-10-10	319526	41J08J383
EB-21-82	405864	5141674	357.7	251	180	-45	31	NQ	2021-10-14	2021-10-16	136879	41J08J365
EB-21-83	406358	5141836	366	242	180	-60	60	NQ	2021-10-17	2021-10-19	292705	41J08J366
EB-21-84	406460	5141819	371	251	180	-60	109	NQ	2021-10-19	2021-10-21	292705	41J08J366

Table 12: Significant intercepts 2021

Hole ID	From (m)	To (m)	Width (m)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Zone
EB-21-49	248	255	7	1.406	0.388	-	0.109	0.155	0.08	0.009	1.903	Garden
Incl.	250	252	2	2.78	0.666	-	0.24	0.155	0.129	0.011	3.686	Garden
EB-21-50	71	72	1	0.01	0.69	-	3.43	0.007	0.007	0.005	3.459	Garden
and	119	121	2	6.465	2.337	-	0.117	0.031	0.04	0.008	8.918	Garden
and	130	154	24	0.456	0.152	-	0.055	0.114	0.03	0.006	0.663	Garden
EB-21-51	83	107	24	0.488	0.17	-	0.037	0.084	0.032	0.006	0.695	Garden
incl.	83	87	4	1.149	0.485	-	0.037	0.045	0.013	0.006	1.67	Garden
and	126	133	7	0.456	0.203	-	0.05	0.118	0.031	0.006	0.71	Garden
EB-21-52	104	108	4	0.587	0.185	-	0.071	0.16	0.044	0.007	0.842	Garden

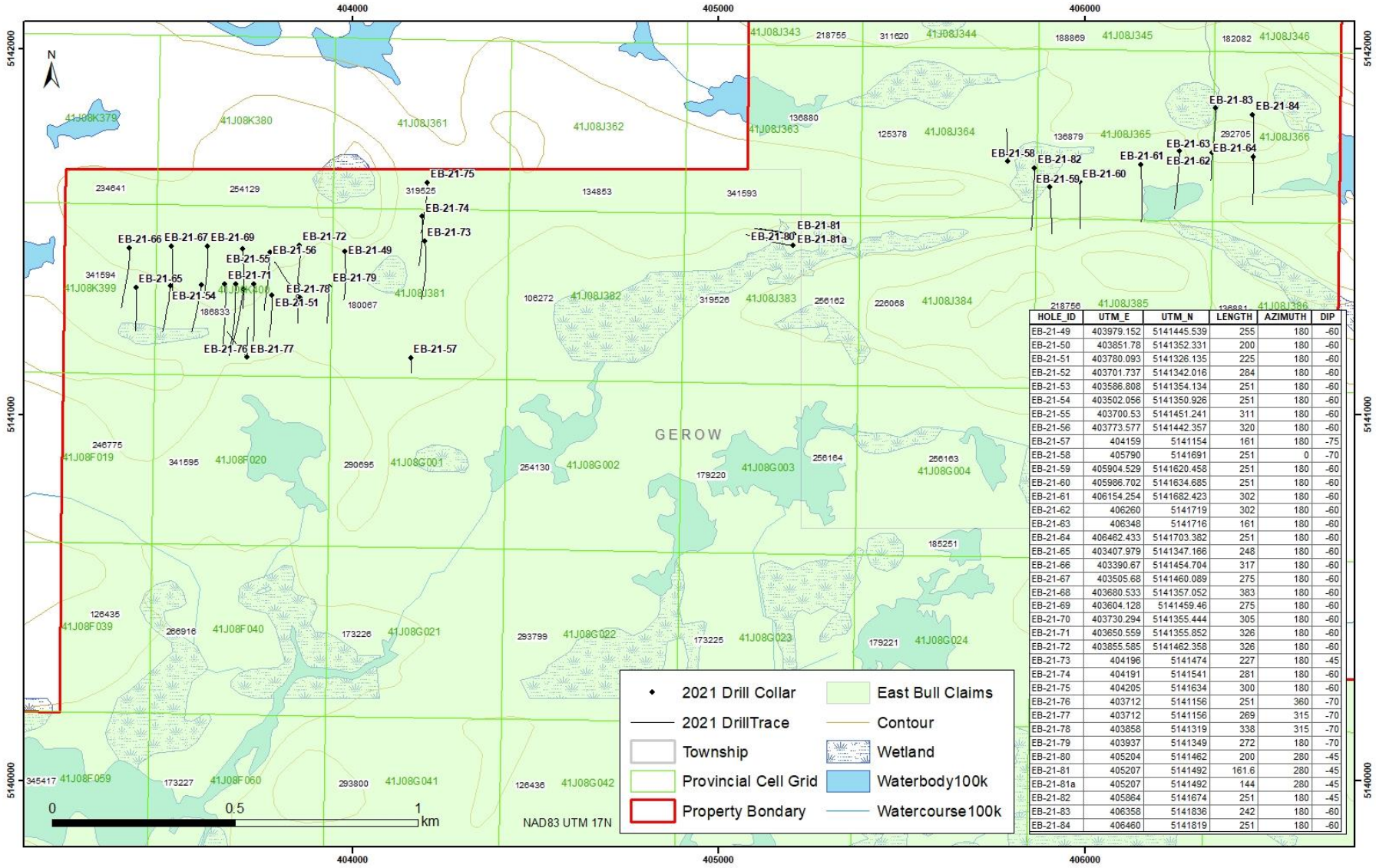
Hole ID	From (m)	To (m)	Width (m)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Zone
and	159	170	11	0.488	0.151	-	0.048	0.097	0.052	0.006	0.687	Garden
and	223	243	20	0.396	0.119		0.068	0.291	0.036	0.009	0.583	EOH
EB-21-53	173	179	6	1.225	0.5	-	0.057	0.153	0.053	0.007	1.782	Garden
EB-21-54	152	157	5	0.581	0.105	-	0.039	0.066	0.03	0.005	0.725	Garden
EB-21-55	152	174	22	1.024	0.308	-	0.114	0.239	0.064	0.006	1.447	Garden
incl.	153	163	10	1.46	0.446	-	0.155	0.291	0.076	0.006	2.061	Garden
EB-21-56	188	210	22	0.371	0.109	-	0.07	0.105	0.034	0.007	0.55	Garden
EB-21-57	NSV											
EB-21-58	NSV											
EB-21-59	NSV											
EB-21-60	63	64	1	0.543	0.748	-	0.033	0.081	0.026	0.007	1.324	Valhalla
EB-21-61	69	73	4	0.505	0.152	-	0.052	0.143	0.063	0.009	0.708	Valhalla
EB-21-62	133	135	2	0.351	0.44	-	0.018	0.07	0.026	0.006	0.808	Valhalla
EB-21-63	109	116	7	1.048	0.439	-	0.08	0.135	0.059	0.007	1.568	Valhalla
	125	131	6	0.694	0.27	-	0.058	0.138	0.071	0.009	1.021	Valhalla
EB-21-64	92	105	13	0.927	0.412	-	0.044	0.101	0.054	0.008	1.383	Valhalla
EB-21-65	98	107	9	0.503	0.166	-	0.129	0.12	0.044	0.006	0.797	Garden
	115	116	1	0.075	0.016	-	1.97	0.014	0.009	0.003	2.061	Garden
EB-21-66	135	138	3	0.458	0.233	-	0.065	0.13	0.042	0.007	0.756	Garden
	176	179	3	1.225	0.357	-	0.058	0.386	0.099	0.008	1.64	Garden
EB-21-67	188	226	38	0.518	0.181	-	0.083	0.146	0.057	0.008	0.782	Garden

Hole ID	From (m)	To (m)	Width (m)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Zone
incl.	196	202	6	0.877	0.283	-	0.158	0.174	0.083	0.007	1.318	Garden
EB-21-68	93	98	5	0.508	0.209		0.053	0.145	0.06	0.1	0.77	Garden
and	159	172	13	0.37	0.144		0.042	0.109	0.06	0.008	0.556	Garden
and	274	296	22	0.254	0.08		0.062	0.183	0.025	0.007	0.396	EOH
EB-21-69	200	209	9	0.358	0.129		0.057	0.145	0.063	0.009	0.545	Garden
EB-21-70	79	99	20	0.379	0.12		0.097	0.104	0.036	0.007	0.595	Garden
EB-21-71	163	173	10	0.415	0.147		0.045	0.092	0.043	0.006	0.608	Garden
and	236	251	15	0.545	0.138		0.055	0.218	0.029	0.007	0.738	Garden
incl	245	251	6	0.952	0.203		0.077	0.32	0.042	0.009	1.232	EOH
EB-21-72	245	264	19	0.857	0.273		0.088	0.141	0.061	0.008	1.217	Garden
incl.	250	264	14	1.024	0.309		0.102	0.174	0.062	0.008	1.434	Garden
EB-21-73	220	223	3	0.838	0.301		0.059	0.114	0.042	0.007	1.198	Valhalla
EB-21-74	257	277	20	0.666	0.201		0.053	0.119	0.059	0.009	0.92	Valhalla
EB-21-75	NSV											
EB-21-76	105	107	2	0.017	0.011		0.072	0.338	0.125	0.03	0.101	EOH
EB-21-77	11	31	20	0.541	0.167		0.055	0.106	0.045	0.007	0.763	Garden
and	193	232	39	0.332	0.099		0.048	0.23	0.031	0.008	0.479	EOH
EB-21-78	254	292	38	1.173	0.392		0.106	0.124	0.04	0.007	1.671	Garden
EB-21-79	164	188	24	0.579	0.15		0.054	0.113	0.046	0.008	0.783	Garden
EB-21-80	23	24	1	1.81	1.21		0.041	0.049	0.031	0.005	3.06	GAP target

Hole ID	From (m)	To (m)	Width (m)	Pd g/t	Pt g/t	Rh g/t	Au g/t	Cu %	Ni %	Co %	3PGM + Au g/t	Zone
and	36	46	10	0.202	0.124		0.027	0.115	0.032	0.006	0.352	GAP target
and	90	91	1	9.76	2.98		0.316	1.95	0.362	0.014	13.06	GAP target

NSV: No Significant Values

Figure 16: Drill plan map 2021



HOLE_ID	UTM_E	UTM_N	LENGTH	AZIMUTH	DIP
EB-21-49	403979.152	5141445.539	255	180	-60
EB-21-50	403851.78	5141352.331	200	180	-60
EB-21-51	403780.093	5141326.135	225	180	-60
EB-21-52	403701.737	5141342.016	284	180	-60
EB-21-53	403586.808	5141354.134	251	180	-60
EB-21-54	403502.056	5141350.926	251	180	-60
EB-21-55	403700.53	5141451.241	311	180	-60
EB-21-56	403773.577	5141442.357	320	180	-60
EB-21-57	404159	5141154	161	180	-75
EB-21-58	405790	5141691	251	0	-70
EB-21-59	405904.529	5141620.458	251	180	-60
EB-21-60	405986.702	5141634.685	251	180	-60
EB-21-61	406154.254	5141682.423	302	180	-60
EB-21-62	406260	5141719	302	180	-60
EB-21-63	406348	5141716	161	180	-60
EB-21-64	406462.433	5141703.382	251	180	-60
EB-21-65	403407.979	5141347.166	248	180	-60
EB-21-66	403390.67	5141454.704	317	180	-60
EB-21-67	403505.68	5141460.089	275	180	-60
EB-21-68	403680.533	5141357.052	383	180	-60
EB-21-69	403604.128	5141459.46	275	180	-60
EB-21-70	403730.294	5141355.444	305	180	-60
EB-21-71	403650.559	5141355.852	326	180	-60
EB-21-72	403855.585	5141462.358	326	180	-60
EB-21-73	404196	5141474	227	180	-45
EB-21-74	404191	5141541	281	180	-60
EB-21-75	404205	5141634	300	180	-60
EB-21-76	403712	5141156	251	360	-70
EB-21-77	403712	5141156	269	315	-70
EB-21-78	403858	5141319	338	315	-70
EB-21-79	403937	5141349	272	180	-70
EB-21-80	405204	5141462	200	280	-45
EB-21-81	405207	5141492	161.6	280	-45
EB-21-81a	405207	5141492	144	280	-45
EB-21-82	405864	5141674	251	180	-45
EB-21-83	406358	5141836	242	180	-60
EB-21-84	406460	5141819	251	180	-60

8.2 QA/QC

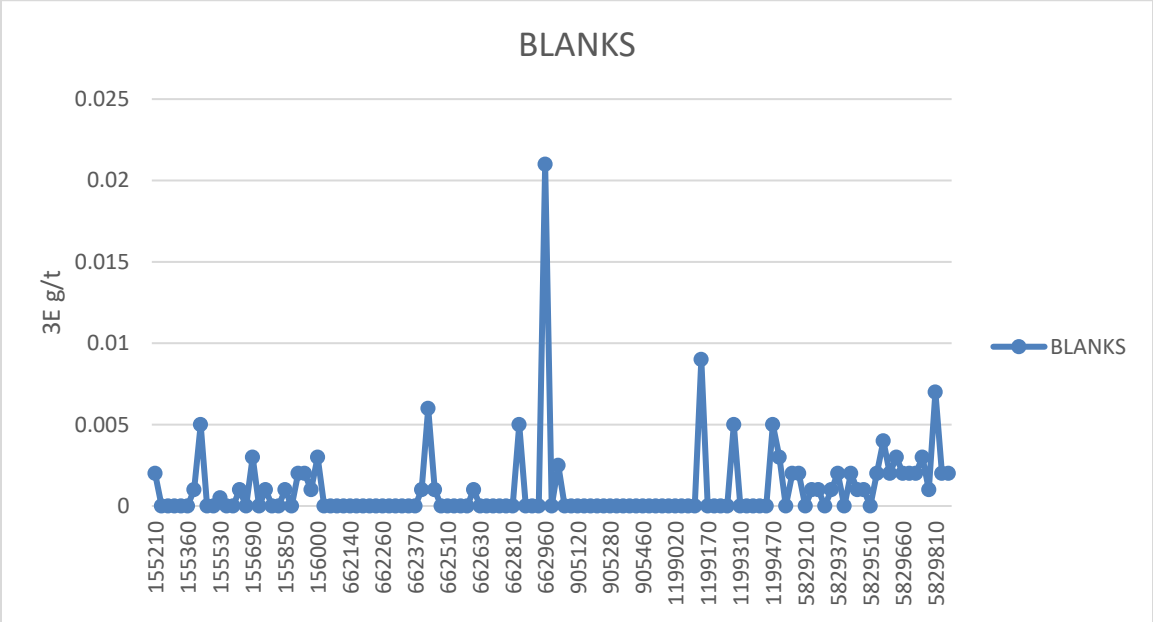
In total 3,726 drill core samples were submitted for analysis the includes 125 blanks (3.3%), 119 standards (3.19%), and 108 duplicates (2.89%). The total number of QA/QC samples submitted were 352 (9.44%). Samples were shipped by Clark Exploration employees to Activation Laboratories in Ancaster, Ontario.

One standard was used throughout the 2021 program due. The standard or certified reference material used was CDN-ME-9.

BLANKS

The material use for blanks was river rock purchased from the local hardware store in Massey, ON. Most of the blanks analyzed returned values below detection limit Figure 17.

Figure 17: Plot of the Blanks analysis results



DUPLICATES

In total there were 108 duplicates (2.89%) submitted for analysis. The drill core was first cut in half with a saw and then cut in half again (1/4) and each piece placed in separate sample bags with respective sample tag ID. Many of the samples fell within two standard deviations of the mean difference (Figure 18 & 19) with the exception of two outlier sample sets. The first; 5829790 (original) and 5829791 (duplicate) where the difference between the original and duplicate

was ~4.5 g/t Pd Eq. The second; 1199479 (original) and 1199480 (duplicate) where the difference between the original and duplicate was ~2.8 g/t Pd Eq. These samples were taken through a mineralized section of drill core and the variability in analysis results reflects the “nuggety” nature of the mineralization as stringers, pods, and blebs of chalcopyrite and pyrrhotite.

Figure 18: Scatter plot of the Duplicates and Original analysis results

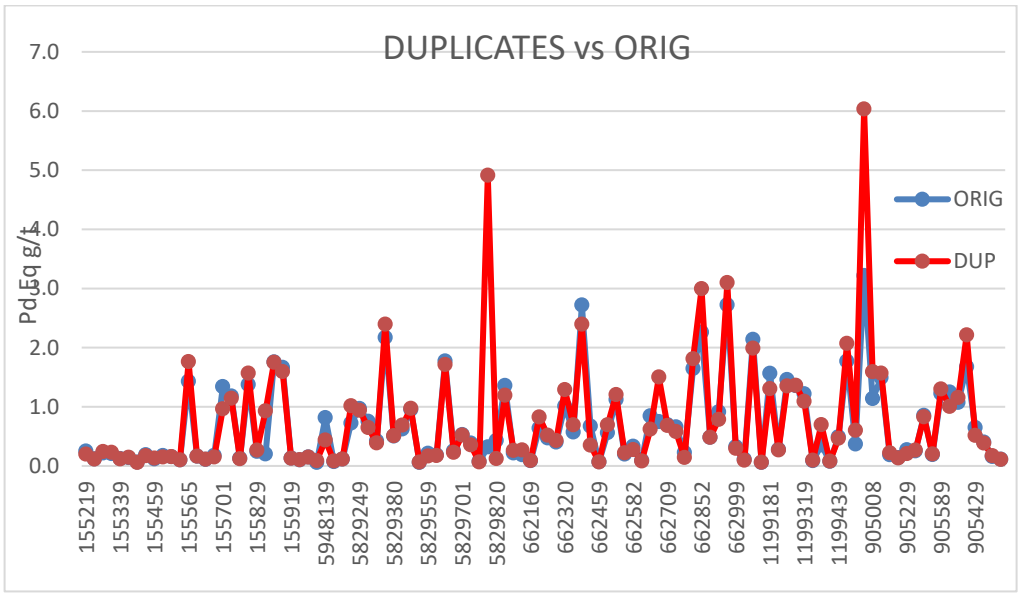
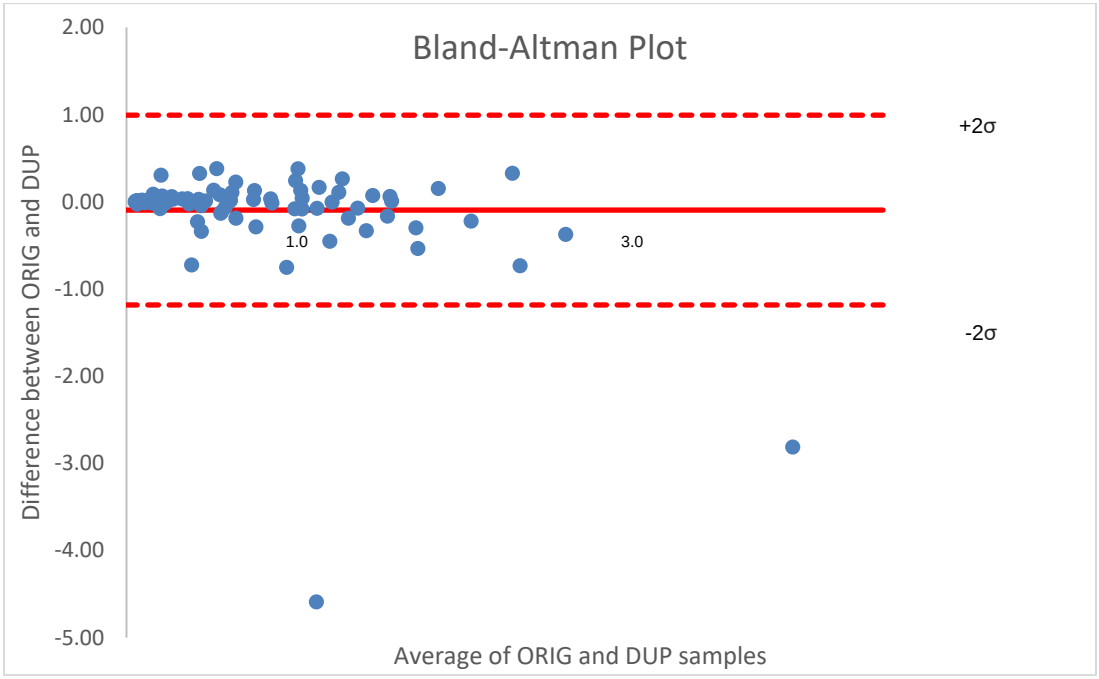


Figure 19: Bland-Altman Plot of average difference vs difference

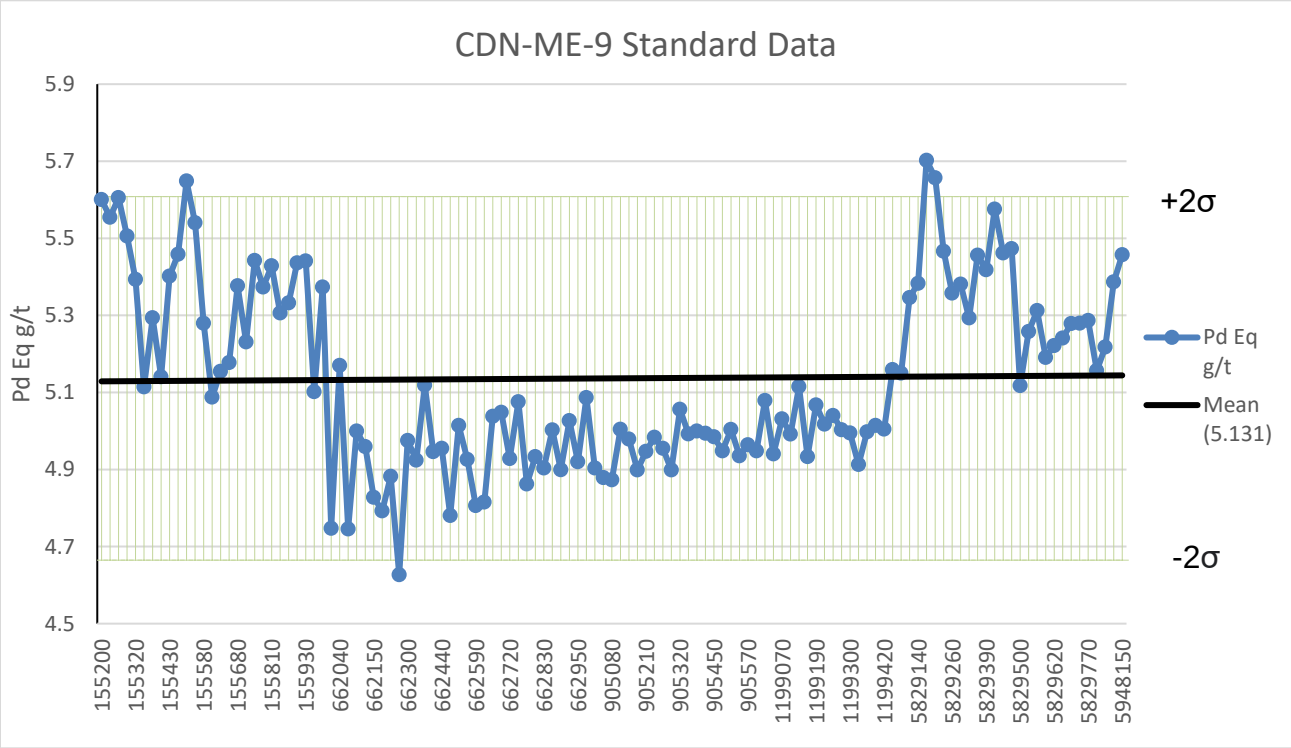


STANDARDS

One Certified Reference Material ("Standards") was used in the QA/QC program during the 2021 East Bull drilling campaign. This standard was selected because of its positive performance during the 2020 campaign.

The CDN-ME-9 certified reference material performed well and results generally fell within two standard deviations of the mean (Figure 20).

Figure 20: Plot of the CDN-ME-9 analysis



9.0 MINERAL PROCESSING AND METALLURGICAL TESTING

9.1 Introduction

Two composite samples of the East Bull Resource were assembled, crushed, sampled and assayed at the SGS Laboratories. The analyses are shown in Table 13. The composite sample grades were a close match to the Resource grade.

Table 13: COMPOSITE ANALYSES

	Composite 1 EB-21-55MET	Composite 2 EB20-22MET	Indicated Resource Grade[1]
PGMs (g/t)			
Au	0.06	0.05	0.05
Pt	0.17	0.15	0.19
Pd	**0.58**	**0.39**	**0.49**
Rh	Missing (possibly below detection)		0.016
Metals, S (%)			
Cu	0.15	0.17	0.11
Co	<0.01	<0.01	0.006
Ni	0.043	0.073	0.05
S	0.26	0.49	
Sulphide S	N.A.[2]		
Oxides (%)			
SiO_2	49.5	49	
Al_2O_3	16.9	14.5	
Fe_2O_3	8.41	11.1	
MgO	8.63	10.4	
CaO	10.4	8.72	
Na_2O	2.45	2.0	
K_2O	0.39	0.40	
TiO_2	0.24	0.27	
P2O5	0.03	0.02	
MnO	0.15	0.16	
Cr_2O_3	0.03	0.06	
V_2O_5	0.02	0.04	
CO_2	N.A.		
Total Oxide, S	97.6	97.4	

Metallurgical tests at SGS included:

- Ball Mill Work Index (“BWi”);
- Abrasion Index (“Ai”);
- Modal and Mineral Liberation Analyses; and
- Flotation testwork, 18 tests including grind size effect, reagent selection for optimum rougher and multiple cleaner stages

[1] Pit Constrained East Bull Mineral Resource 2022
[2] N.A. Not Analysed

9.2 Mineralogical Investigations

In 2000, a detailed mineralogical study was conducted by Dr. Louis Cabri, a well-respected mineralogy expert. Dr. Cabri conducted traditional reflecting light microscopy on a range of polished sections of samples and selectively examined “ore minerals” with a scanning electron microscope equipped with an energy dispersive spectrometer (“EDS”).

As suggested by the recent chemical analyses, the “ore minerals” were observed to be present in trace amounts – they were identified to be sphalerite, galena, marcasite, hematite, cobaltite, arsenopyrite, native gold, baddeleyite (ZrO_2) and nine platinum-group (“PGM”) minerals.
Six palladium minerals were identified – palladium tellurides and bismuthides, a palladium arsenide, and a palladium sulphide. Cobaltite and arsenopyrite were identified as palladium- and rhodium-containing. The PGM and PGE-containing sulpharsenides and gold all occur as inclusions in the sulphide minerals, mainly pyrrhotite. The sulphide minerals were observed to be present in sizes ranging from <1 µm up to >22 µm.

QEMSCAN[3] high definition analyses were performed on the two composites (Table 13.1) by SGS in 2021. Composites 1 and 2 had been ground to P_{80} of 37 µm and 30 µm respectively. The sulphide content, mean grain size and percent liberated at the grind size are shown in Table 13.

Table 14: SULPHIDE CONTENT, GRAIN SIZE, % LIBERATED

	Composite 1			Composite 2		
	Mass (%)	**Mean Size (µm)**	**% Liberated**	**Mass (%)**	**Mean size (µm)**	**% Liberated**
Pyrite	0.05	9	25	0.16	11	35
Pyrrhotite	0.25	27	24	0.47	24	42
Chalcopyrite	0.31	17	66	0.51	22	75
Pentlandite	0.04	17	53	0.08	16	60
Other Sulphides	0	-		0.02	13	
total	0.65			1.24		

[3] Quantitative Evaluation of Materials by Scanning Electron Microscopy

From the early mineralogical study (Cabri) and the more recent QEMSCAN results, fine grinding is expected to be necessary to obtain a high grade PGM and copper flotation concentrate.

A mineralogy examination of a flotation concentrate was underway at SGS at the time of this Technical Report writing, but results were not available.

9.3 Ball Mill and AbraSION inDICES

The ball mill and abrasion indices results indicate a fairly hard, tough and abrasive material,
as summarized in Table 14. These results suggest higher than average crushing and grinding costs, similar to highly siliceous mineralised material for Composite 1. Composite #2 was measured to be significantly less hard and abrasive.

Table 15: BALL MILL WORK AND ABRASION INDICES

Sample	Ball Mill Work Index (BWI) kWh/tonne	Abrasion Index Ai
Composite #1	19.5	0.428
Composite #2	17.0	0.232

9.4 Rougher flotation tests

Eleven rougher flotation tests were performed by SGS. The first four tests indicated that fine grinding (P_{80} <40 µm) positively influenced grade and recovery of palladium and copper.
Nickel recovery was not significantly affected. Gold, platinum, cobalt and rhodium were not followed in the flotation testing.

Various flotation reagent combinations were tested with the combined use of PAX (potassium amyl xanthate), Aero 3477 and a silicate depressor provided the best results. Palladium and copper recoveries in rougher concentrates exceeded 80% and 90%, respectively, in approximately 20% mass pull for both composites.

Seven multi-stage cleaning tests were also conducted. The best results are summarized in Table 15.

Table 16: EXAMPLE CLEANER FLOTATION RESULTS

Float Test # Composite #	Cleaner Conc Stage #	Cleaner Weight (%)	Pd (g/t)	Cu (%)	Ni (%)	Recovery (%)			
						Pd	Cu	Ni	S
F14 Comp #1	4th	0.79	49.5	16.4	1.99	74.2	90.4	30.5	69.1
F16 Comp #1	4th	0.79	46.7	18.6	2.13	70.5	88.2	29.7	68.9
F17 Comp #2	3rd	0.77	29.7	16.5	3.54	66.5	92	37.1	50.2
F18 Comp #1	4th	0.78	50.7	16.9	2.03	73.7	89.6	27.3	70.3

The results indicate a very high concentration ratio - 85:1 for palladium for composite #1, and 110:1 for copper from both composites. The concentrate grades are high and suitable for smelter feed. Whereas platinum and gold were not followed in the flotation testing, these metals could be expected to be high enough grade in the concentrate to exceed the minimum deduction of 1 g/t for gold and 3 g/t for platinum. The nickel concentrate level may not be high enough to be payable.

Whereas the East Bull Resource has been proven in flotation testing to be prone to a high degree of metal concentration, the small amount of final concentrate ~0.8% weight, is challenging for successful bench-scale testwork. This challenge can be overcome by larger-scale batch testing that results in approximately 250 g of cleaner concentrate. Ideally, locked-cycle flotation testing could also be performed, and this should indicate increased metal recoveries as proportions of cleaner tails and scavenger concentrates would contribute to metal recovery.

A follow-up grinding/flotation, concentrate and tailings characterisation program can be considered to more precisely determine metallurgical and environmental performance. Composite samples and concentrates should be fully analysed – PGM, WRA, ICP-MS including REE, As, Se, sulphide S, and ABA[4]. Fresh and preserved drill core samples would be preferred for flotation tests to reduce the potential negative effect of oxidation – particularly for the PGM-containing pyrrhotite content. Excluding the cost of sample assembly (drilling, splitting and shipment)
the follow-up bench-scale test program can be expected to cost up to C$125,000. Pilot-scale testing that can be anticipated to support a Feasibility Study would cost extra.

Based on current information, palladium recoveries into a smelter feed will exceed 70% and possibly be as high as 75%. Copper recoveries can be expected to be 90%.

[4] WRA – whole rock analysis, ABA – acid-base accounting

10.0 MINERAL RESOURCE ESTIMATES

10.1 Introduction

The purpose of this section is to update the Mineral Resource Estimate that had an effective date of April 15, 2019, with the 2020-2021 drilling programs completed by Canadian Palladium Resources Inc. Since the previous Mineral Resource Estimate, a total of 84 holes have been drilled in 2020 and 2021 on the East Bull Palladium Project in Ontario.

The Mineral Resources Estimate presented herein is reported in accordance with the Canadian Securities Administrators' National Instrument 43-101 and were estimated in conformity with the Canadian Institute of Mining, Metallurgy and Petroleum ("CIM") "Estimation of Mineral Resource and Mineral Reserves Best Practice Guidelines" (November 2019) and reported using the definitions set out in the 2014 CIM Definition Standards on Mineral Resources and Mineral Reserves. Mineral Resources that are not converted to Mineral Reserves do not have demonstrated economic viability. Confidence in the estimate of Inferred Mineral Resource is insufficient to allow the meaningful application of technical and economic parameters or to enable an evaluation of economic viability worthy of public disclosure. Mineral Resources may be affected by further infill and exploration drilling that may result in increases or decreases in subsequent Mineral Resource Estimates.

This Mineral Resource Estimate was prepared by Yungang Wu, P.Geo. , Antoine Yassa, P.Geo. and Eugene Puritch, P.Eng., FEC, CET of P&E, of P&E Mining Consultants Inc., Brampton, Ontario, independent Qualified Persons in terms of NI 43-101. The effective date of this Mineral Resource Estimate is December 31, 2021.

10.2 Previous Mineral Resource Estimate

The previous public Mineral Resource Estimate for the East Bull Property was carried out by P&E Mining Consultants Inc. with effective date April 15, 2019. The Mineral Resource Estimate with a cut-off of 0.8 g/t PdEq (palladium equivalent) is presented in Table 15. The previous Mineral Resource Estimate is superseded by the Mineral Resource Estimate reported herein.

Table 17: East Bull Pit Constrained Mineral Resource Estimate

Classification	Tonnes (m)	Au (g/t)	Pt (g/t)	Pd (g/t)	Rh (g/t)	Cu (%)	Ni (%)	Co (%)	PdEq (g/t)	PdEq (koz)
Inferred	11.1	0.05	0.26	0.58	0.04	0.14	0.05	0.01	1.46	523

10.3 Database

All drilling and assay data were provided by Canadian Palladium Resources Inc. in the forms of Excel data files. The GEOVIA GEMS™ V6.8.4 database compiled by P&E for this Mineral Resource Estimate consisted of 127 surface drill holes and 6 channels, totalling 24,806 metres, of which 80 holes, totalling 19,141 metres, were drilled in 2020 and 2021, subsequent to the previous Mineral Resource Estimate. A total of 121 drill holes intersected the Mineral Resource wireframes. A drill hole and channel location plan is shown in Appendix A.

The basic raw assay statistics of the database are presented in Table 17.

Table 18: East Bull Assay Database statistics Summary

Variable	Pd	Pt	Cu	Ni	Au	Co	Rh	Length
Number of Samples	10,134	10,134	10,134	10,134	10,134	7,329	1,129	10,134
Minimum Value*	1	1	0	0	1	0	1	0.10
Maximum Value*	9,760	3,920	10,001	7,900	3,430	993	387	2.40
Mean*	187	83	554	251	25	54	22	1.00
Median*	33	26	214	145	9	52	14	1.00
Variance	188,894.70	29,619.84	572,375.28	88,250.63	3,392.79	1,099.19	796.06	0.03
Standard Deviation	434.62	172.10	756.55	297.07	58.25	33.15	28.21	0.16
Coefficient of Variation	2.33	2.07	1.37	1.18	2.36	0.61	1.28	0.16
Skewness	7.23	6.96	2.72	5.56	26.83	8.11	4.16	1.32
Kurtosis	96.96	86.51	15.95	95.18	1,322.73	205.57	34.62	12.60

***Note:* *** *Pd, Pt, Au and Rh units are ppb; Cu, Ni and Co units are ppm and length units are metres.*

All drill hole survey and assay values are expressed in metric units, with grid coordinates reported using the NAD 83, Zone 17 UTM system.

10.4 Data Verification

Verification of the assay database for the 2020-2021 drilling was performed by the authors of the Mineral Resource Estimate against laboratory certificates that were obtained independently from Activation Laboratories of Ancaster, Ontario. No errors were observed in the assay database.

The authors of the Mineral Resource Estimate validated the Mineral Resource database in GEMS™ by checking for inconsistencies in analytical units, duplicate entries, interval, length or distance values less than or equal to zero, blank or zero-value assay results, out-of-sequence intervals, intervals or distances greater than the reported drill hole length, inappropriate collar locations, survey and missing interval and coordinate fields. Some minor errors were identified and corrected in the database. The authors of the Mineral Resource Estimate are of the opinion that the supplied database is suitable for Mineral Resource estimation.

10.5 Domain Interpretation

A total of five Mineralization domain models were generated by P&E from successive polylines spaced along drill hole cross-sections created every 50 m and oriented perpendicular to the general trend of the mineralization. The constraining domain outlines were influenced by the selection of mineralized material above 0.2 g/t PdEq that demonstrated lithological and grade continuity along strike and down dip. Where appropriate, lower-grade mineralization was included for the purpose of maintaining zonal continuity. On each section, polyline interpretations were digitized from drill hole to drill hole but not typically extended more than 50 metres from known mineralization. Mineralization was extended deeper when mineralized intersections were encountered in neighbouring cross-sections. All polyline vertices were snapped directly to drill hole assay intervals, in order to generate a true three-dimensional representation of the extent of the mineralization.

Local topography was derived from the Ontario Mining Land tenure map. An overburden surface was created using the drill hole lithological descriptions and used to limit the amount of reported volumes. Domain wireframes were subsequently clipped above the overburden surface. Post mineralization mafic dykes were created based on the drill hole lithological logging, which crosscut the mineralization domains and coded as waste in the block model.

The constraining domain wireframes were treated separately for the purpose of rock coding, statistical analysis, compositing limits and definition of the extent of potentially economic mineralization. The 3-D constraining domain wireframes are shown in Appendix B.

10.6 Rock Code Determination

A unique rock code was assigned to each mineralization domain for the Mineral Resource Estimate as presented in Table 18.

Table 19: Model Rock Codes and Volumes of Mineralization Domains

Domain	Rock Code	Volume (m3)
Valhalla	100	7,776,644
HW	200	1,408,407
Garden	300	2,739,228
FW	400	5,157,583
EOH	500	570,042

10.7 Wireframe Constrained Assays

Mineral Resource wireframe constrained assay intervals were back coded in the assay database with model rock codes that were derived from intersections of the mineralization solids and drill holes. The basic statistics of mineralization wireframe constrained assays are presented in Table 19.

Table 20: East Bull Constrained Assay statistics Summary

Variable	Pd	Pt	Cu	Ni	Au	Co	Rh	Length
Number of Samples	3,936	3,936	3,936	3,936	3,936	2,789	1,061	3,936
Minimum Value*	1	1	0	0	1	0	1	0.10
Maximum Value*	9760	3920	10001	7900	1970	630	387	2.00
Mean*	427	175	1051	437	46	64	23	0.99
Median*	243	102	847	367	33	65	15	1.00
Variance	381,676.59	59,484.28	835,373.71	120,936.10	3,434.21	1,018.26	833.65	0.01
Standard Deviation	617.80	243.89	913.99	347.76	58.60	31.91	28.87	0.12
Coefficient of Variation	1.45	1.39	0.87	0.80	1.28	0.50	1.26	0.12
Skewness	5.26	5.10	1.82	5.21	11.58	1.82	4.07	-1.02

Kurtosis	51.96	46.53	10.55	87.67	314.10	39.26	33.19	19.30

Note: ******* *Pd, Pt, Au and Rh units are ppb; Cu, Ni and Co units are ppm and length units are metres.*

10.8 Compositing

In order to regularize the assay sampling intervals for grade interpolation, a 1.0 m compositing length was selected for the drill hole intervals that fell within the constraints of the above-mentioned Mineral Resource wireframes. The composites were calculated over 1.0 m lengths starting at the first point of intersection between assay data hole and hanging wall of the 3-D zonal constraint. The compositing process was halted upon exit from the footwall of the 3-D wireframe constraint. Un-assayed intervals were set to 0.001 for Pd, Pt, Cu, Ni and Au, while missing Co intervals were treated as null.

As shown in Figure 22, Rh presents positive correlation with Pd in constrained assays. Therefore, the missing Rh values in the database was calculated using regression formula
Rh = 0.0308 x Pd + 0.6292 prior to the compositing.

If the last composite interval in a drill hole was less than 0.25 m, the composite length for that drill hole interval was adjusted to make all composite intervals equal in length. This process would not introduce any short sample bias in the grade interpolation process. The constrained composite data were extracted to a point area file for grade capping analysis. The composite statistics are summarized in Table 20.

Figure 21: Wireframe constrained Rh and Pd Assay Correlation

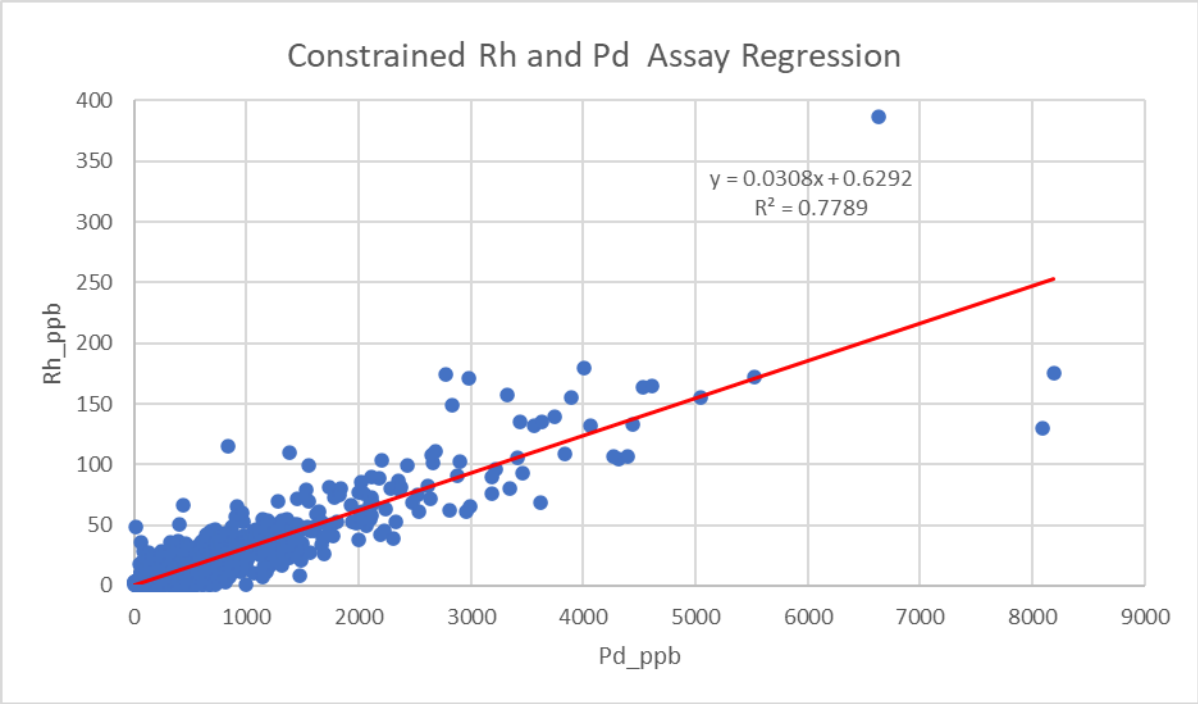


Table 21: East Bull Basic Statistics of Composites

Variable	Pd	Pt	Cu	Ni	Au	Co	Rh	Length
Number of Samples	3,944	3,944	3,944	3,944	3,944	2,841	3,944	3,944
Minimum Value*	1	1	0	0	1	0	1	0.84
Maximum Value*	9760	3920	10001	3647	1970	313	387	1.08
Mean*	418	171	1028	427	45	62	14	1.00
Median*	241	102	846	364	32	65	8	1.00
Variance	368,673.84	55,415.65	797,201.63	97,339.89	3,271.42	969.58	401.05	0.00
Standard Deviation	607.19	235.41	892.86	311.99	57.20	31.14	20.03	0.01
Coefficient of Variation	1.45	1.38	0.87	0.73	1.28	0.50	1.48	0.01
Skewness	5.44	5.28	1.84	1.81	12.25	-0.05	5.95	-3.78

Kurtosis	55.32	51.14	11.19	11.61	345.24	5.65	67.75	67.35

Note: ******* *Pd, Pt, Au and Rh units are ppb; Cu, Ni and Co units are ppm and length units are metres.*

10.9 Grade Capping

Grade capping was performed on the 1.0 m composite values in the database within each constraining domain to mitigate the possible bias resulting from erratic high-grade composite values in the database. Log-normal histograms and log-probability plots for the composites were generated for each mineralization domain. Selected histograms and log-probability plots are presented in Appendix C. The capped composite statistics are summarized in Table 20. The grade capping values are detailed in Table 21. The capped composites were utilized to develop variograms and for block model grade interpolation.

Table 22: East Bull Basic Statistics of Capped Composites

Variable	Pd	Pt	Cu	Ni	Au	Co	Rh
Number of Samples	3,944	3,944	3,944	3,944	3,944	2,841	3,944
Minimum Value*	1	1	0	0	1	0	1
Maximum Value*	6,000	2,130	6,000	2,500	600	200	200
Mean*	413	169	1024	426	44	62	13
Median*	241	102	846	364	32	65	8
Variance	314,510.08	46,766.40	743,608.44	93,019.12	2,140.42	937.67	346.99
Standard Deviation	560.81	216.26	862.33	304.99	46.26	30.62	18.63
Coefficient of Variation	1.36	1.28	0.84	0.72	1.05	0.49	1.39
Skewness	3.96	3.75	1.30	1.41	3.49	-0.35	4.17
Kurtosis	26.48	23.55	5.52	6.71	25.68	3.44	27.85

Note: * Pd, Pt, Au and Rh units are ppb; Cu, Ni and Co units are ppm

Table 23: Grade Capping Values

Element	Domains	Total No. of Composites	Capping Value	No. of Capped Composites	Mean of Composites	Mean of Capped Composites	CoV of Composites	CoV of Capped Composites	Capping Percentile
Pd	Valhalla	2,059	6,000	4	470	466	1.39	1.3	99.8
	HW	396	no cap	0	536	536	1.29	1.29	100.0
	Garden	504	4,000	1	445	434	1.55	1.34	99.8
	FW	763	2,000	5	251	244	1.42	1.27	99.3
	EOH	222	no cap	0	232	232	0.85	0.85	100.0
Pt	Valhalla	2,059	2,000	7	198	196	1.29	1.19	99.7
	HW	396	no cap	0	219	219	1.33	1.33	100.0
	Garden	504	1,500	1	151	147	1.6	1.27	99.8
	FW	763	1,000	2	112	112	1.15	1.14	99.7
	EOH	222	no cap	0	74	74	0.66	0.66	100.0
Au	Valhalla	2,059	400	3	45	45	0.99	0.98	99.9
	HW	396	300	2	41	40	1.2	1.02	99.5
	Garden	504	400	1	55	55	1.03	0.97	99.8
	FW	763	600	1	42	41	1.99	1.28	99.9
	EOH	222	300	1	36	34	1.57	1.04	99.5
Cu	Valhalla	2,059	6,000	3	1,078	1,075	0.84	0.82	99.9
	HW	396	no cap	0	792	792	0.98	0.98	100.0
	Garden	504	no cap	0	1,019	1,019	0.8	0.8	100.0
	FW	763	4,000	3	899	885	0.88	0.78	99.6
	EOH	222	5,500	2	1,455	1,451	0.82	0.82	99.1
Ni	Valhalla	2,059	2,500	3	510	508	0.68	0.66	99.9
	HW	396	no cap	0	282	282	0.85	0.85	100.0
	Garden	504	no cap	0	359	359	0.68	0.68	100.0
	FW	763	1,400	3	379	377	0.66	0.64	99.6
	EOH	222	600	1	233	233	0.48	0.47	99.5
Rh	Valhalla	2,059	200	2	15	15	1.42	1.32	99.9
	HW	396	no cap	0	17	17	1.44	1.44	100.0
	Garden	504	150	1	14	14	1.55	1.36	99.8
	FW	763	no cap	0	8	8	1.30	1.30	100.0
	EOH	222	no cap	0	8	8	0.78	0.78	100.0
Co	Valhalla	1,474	200	1	62	62	0.51	0.5	99.9
	HW	274	no cap	0	48	48	0.8	0.8	100.0
	Garden	380	150	1	65	64	0.41	0.37	99.7
	FW	547	no cap	0	66	66	0.46	0.46	100.0
	EOH	166	no cap	0	70	70	0.18	0.18	100.0

Note: *CoV = coefficient of variation.*

Pd, Pt, Au and Rh units are ppb; Cu, Ni and Co units are ppm

10.10 VARIOGRAPHY

A variography analysis was attempted using the palladium capped composites as a guide to determine a grade interpolation search distance and ellipse orientation strategy. Selected variograms are presented in Appendix D.

Continuity ellipses based on the observed ranges were subsequently generated and utilized as the basis for estimation search ranges, distance weighting calculations and Mineral Resource classification criteria.

10.11 BULK DENSITY

An average in-situ bulk density of 2.97 t/m^3 was applied to the mineralized domains based on an average of 60 bulk density measurements by Actlabs on drill core samples. The samples had a range of bulk density between 2.80 to 3.14 t/m^3. There was no discernable bulk density difference between mineralized material and host rock gabbro.

10.12 BLOCK MODELLING

The East Bull block model was constructed using GEOVIA GEMS™ V6.8.4 modelling software. The block model origin and block size are presented in Table 23. The block model consists of separate model attributes for estimated Pd, Pt, Cu, Ni, Au, Co, Rh and PdEq grade, rock type (mineralization domains), volume percent, bulk density, NSR and classification.

Table 24: East Bull Block Model Definition

Direction	Origin	No. of Blocks	Block Size (m)
X	403,105	730	5
Y	5,140,955	394	2.5
Z	410	70	5
Rotation	0 º (No rotation)		

Note: *Origin for a block model in GEMS™ represents the coordinate of the outer edge of the block with minimum X and Y, and maximum Z.*

All blocks in the rock type block model were initially assigned a waste rock code of 99, corresponding to the surrounding country rocks. The mineralization domain was used to code all blocks within the rock type block model that contain 0.01% or greater volume within the wireframe domain. These blocks were assigned individual model rock codes as presented in Table 17. The overburden and topographic surfaces were subsequently utilized to assign rock codes 10 and 0, corresponding to overburden and air, respectively,

to all blocks 50% or greater above the respective surfaces. The crosscutting dykes were coded as waste to remove the barren blocks within the mineralization domains.

A volume percent block model was set up to accurately represent the volume and subsequent tonnage that was occupied by each block inside the constraining wireframe domain. As a result, the domain boundary was properly represented by the volume percent model ability to measure individual infinitely variable block inclusion percentages within that domain. The minimum percentage of the mineralization block was set to 0.01%.

The Pd, Pt, Au and Rh grades were interpolated into the blocks using Inverse Distance weighting to the third power ("ID^3"), while Cu, Ni and Co grades were interpolated into the blocks using Inverse Distance weighting to the second power ("ID^2"). Nearest Neighbour ("NN") was run for validation purposes. Multiple passes were executed for the grade interpolation to progressively capture the sample points, to avoid over-smoothing and preserve local grade variability. Grade blocks were interpolated using the parameters in Table 24.

Table 25: East Bull Block Model Grade Interpolation Parameters

Pass	No. of Composites			Search Range (m)		
	Min	Max	Max per Hole	Major	Semi-Major	Minor
I	6	20	5	50	50	25
II	2	20	5	100	100	50
III	2	15	5	300	300	150

Palladium equivalent and NSR values of the blocks were derived with the formula below

PdEq g/t = (Ni % x 0.99)+(Cu % x 1.34)+(Au g/t x 0.77)+(Pt g/t x 0.62)+(Rh g/t x 4.26)+(Co % x 2.66)+(Pd g/t)

NSR C$/t = (Ni % x 53.94)+(Cu % x 73.07)+(Au g/t x 41.82)+(Pt g/t x 33.93)+(Pd g/t x 54.35)+(Rh g/t x 231.27)+(Co % x 144.68)

Selected vertical cross-sections and plans of Pd and NSR blocks are presented in Appendix E and F.

10.13 Mineral Resource Classification

In the opinion of the author of Mineral Resource Estimate, all the drilling, assaying and exploration work on the East Bull Project supports this Mineral Resource Estimate and is based on spatial continuity of the mineralization within a potentially mineable shape are

sufficient to indicate a reasonable potential for economic extraction, thus qualifying it as a Mineral Resource under the 2014 CIM Definition Standards. The Mineral Resource was classified as Indicated and Inferred based on the geological interpretation, variogram performance and drill hole spacing.

The Indicated Mineral Resource was classified for the blocks interpolated with Pass I in Table 22, which used at least two holes within a spacing of 50 m.

The Inferred Mineral Resource was classified for the block interpolated with the Passes II and III in Table 22, which were estimated with at least one hole.

The classifications were manually adjusted on a longitudinal projection of each domain to reasonably reflect the distribution of each classification.

Selected classification block vertical cross-sections and plans are attached in Appendix G.

10.14 NSR Cut-off Calculation

The East Bull Mineral Resource Estimate was derived from applying NSR cut-off values to the block models and reporting the resulting tonnes and grades for potentially mineable areas.

The following parameters were used to calculate the NSR cut-off values that determine open pit and underground mining potentially economic portions of the constrained mineralization:

- Pd metal price: US$1,840/oz
- Pt metal price: US$1,180/oz
- Au metal price: US$1,640/oz
- Rh metal price: US$8,000/oz
- Cu metal price: US$3.75/lb
- Ni metal price: US$7.75/lb
- Co metal price: US$24.00/lb
- Currency exchange rate: C$/US$=0.80
- Pd concentrate recovery: 82%
- Pt concentrate recovery: 80%
- Au concentrate recovery: 75%
- Rh concentrate recovery: 80%
- Cu concentrate recovery: 85%
- Ni concentrate recovery: 30%
- Co concentrate recovery: 50%
- Pd smelter payable: 90%
- Pt smelter payable: 90%
- Au smelter payable: 85%

- Rh smelter payable: 90%
- Cu smelter payable: 85%
- Ni smelter payable: 90%
- Co smelter payable: 50%
- Pd refining charge: US$7.50/oz
- Pt refining charge: US$7.50/oz
- Au refining charge: US$7.50/oz
- Rh refining charge: US$7.50/oz
- Cu refining charge: US$0.08/lb
- Ni refining charge: US$0.50/lb
- Co refining charge: US$3.00/lb

- Open pit mining cost: C$2.50/tonne;
- Underground mining cost: C$35/tonne;
- Processing cost: C$13/tonne; and
- G&A: C$2/tonne.

The NSR cut-off value of the In-pit Mineral Resource Estimate is C$15/t.
The NSR cut-off value of the underground Mineral Resource Estimate is C$50/t.

10.15 Pit optimization Parameters

Open pit resource model was further investigated with a pit optimization to ensure a reasonable assumption of potential economic extraction could be made. The following parameters were utilized in the pit optimization:

Metal Prices	From parameters above
Mining Cost	$2.50/tonne mined
Process Cost	$13/tonne processed
General & Administration Cost	$2/tonne processed
Process Capacity	2 mtpy
Pit Slopes	50°

The resulting pit shell is exhibited in Appendix H.

10.16 Mineral Resource Estimate

The Mineral Resource Estimate is reported with an effective date of December XX, 2021 and is tabulated in Table 25. The authors of the Mineral Resource Estimate consider the mineralization of the East Bull Property to be potentially amenable to open pit and underground mining methods.

Table 26: East Bull Mineral Resource Estimate (1-4)

Pit Constrained Mineral Resource @ C$15/t NSR Cut-off																	
Class	Tonnes	Pd	Pd	Pt	Pt	Cu	Cu	Au	Au	Ni	Ni	Co	Co	Rh	Rh	PdEq	PdEq	NSR
	M	g/t	koz	g/t	koz	%	Mlb	g/t	koz	%	Mlb	%	Mlb	g/t	koz	g/t	koz	C$/t
Indicated	16.3	0.49	257.7	0.19	102.0	0.11	38.5	0.05	24.6	0.05	17.4	0.006	2.3	0.016	8.3	0.92	484.6	50.29
Inferred	12.7	0.49	200.6	0.18	75.6	0.10	27.0	0.05	20.3	0.04	11.7	0.006	1.8	0.016	6.6	0.90	367.8	48.92
Out of Pit Mineral Resource @ C$50/t NSR Cut-off																		
Indicated	0.2	0.60	4.1	0.22	1.5	0.14	0.6	0.05	0.4	0.05	0.2	0.007	0.0	0.018	0.1	1.09	7.5	59.56
Inferred	3.6	0.75	86.9	0.26	29.7	0.13	10.0	0.07	7.9	0.05	4.3	0.008	0.6	0.025	2.9	1.31	151.8	71.20
Total Mineral Resource @ C$15/t and C$50/t NSR Cut-off																		
Indicated	16.5	0.49	261.8	0.19	103.5	0.11	39.2	0.05	24.9	0.05	17.7	0.006	2.3	0.016	8.4	0.93	492.1	50.41
Inferred	16.3	0.55	287.4	0.20	105.4	0.10	37.0	0.05	28.2	0.04	16.0	0.007	2.4	0.018	9.5	0.99	519.6	53.84

1. *Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.*
2. *The estimate of Mineral Resources may be materially affected by environmental, permitting, legal, title, taxation, socio-political, marketing, or other relevant issues.*
3. *The Inferred Mineral Resource in this estimate has a lower level of confidence than that applied to an Indicated Mineral Resource and must not be converted to a Mineral Reserve. It is reasonably expected that the majority of the Inferred Mineral Resource could potentially be upgraded to an Indicated Mineral Resource with continued exploration.*
4. *The Mineral Resources were estimated in accordance with the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), CIM Standards on Mineral Resources and Reserves, Definitions (2014) and Best Practices Guidelines (2019) prepared by the CIM Standing Committee on Reserve Definitions and adopted by the CIM Council.*

10.17 Mineral Resource Sensitivities

Mineral Resources are sensitive to the selection of a reporting NSR cut-offs and the sensitivities are demonstrated in Table 26 and Table 27 for In-pit and Out-of-Pit Mineral Resources respectively.

Table 27: Sensitivities of In-pit Mineral Resource Estimate

Class	Cut-Off	Tonne	Pd	Pt	Cu	Au	Ni	Co	Rh	PdEq	NSR
	NSR $/t	t	g/t	g/t	%	g/t	%	%	g/t	g/t	$/t
Indicated	100	707,313	1.51	0.56	0.15	0.09	0.07	0.007	0.051	2.43	132.27
	90	1,100,943	1.35	0.49	0.15	0.09	0.06	0.007	0.045	2.18	118.87
	80	1,664,595	1.20	0.44	0.14	0.08	0.06	0.007	0.039	1.97	107.21
	70	2,586,250	1.05	0.39	0.14	0.07	0.06	0.007	0.034	1.76	95.61
	60	4,115,367	0.90	0.34	0.14	0.07	0.06	0.007	0.029	1.54	84.07
	50	6,649,217	0.76	0.29	0.13	0.06	0.06	0.007	0.024	1.34	72.87
	40	10,018,951	0.64	0.25	0.12	0.06	0.06	0.007	0.021	1.17	63.41
	30	13,109,832	0.56	0.22	0.12	0.05	0.05	0.006	0.018	1.04	56.73
	20	15,663,795	0.51	0.20	0.11	0.05	0.05	0.006	0.016	0.95	51.63
	15	16,313,229	0.49	0.19	0.11	0.05	0.05	0.006	0.016	0.92	50.29
	10	16,597,557	0.48	0.19	0.11	0.05	0.05	0.006	0.016	0.91	49.65
Inferred	100	530,939	1.46	0.53	0.17	0.11	0.07	0.007	0.053	2.43	132.02
	90	814,559	1.31	0.47	0.16	0.10	0.07	0.007	0.046	2.18	118.80
	80	1,402,797	1.15	0.42	0.14	0.09	0.06	0.007	0.039	1.92	104.40
	70	2,239,365	1.03	0.38	0.13	0.08	0.06	0.007	0.034	1.71	93.32
	60	3,489,812	0.90	0.33	0.12	0.07	0.05	0.007	0.030	1.52	82.88
	50	4,766,265	0.81	0.30	0.12	0.06	0.05	0.007	0.027	1.38	75.28
	40	6,774,546	0.70	0.26	0.11	0.06	0.05	0.007	0.023	1.22	66.17
	30	9,633,152	0.59	0.22	0.10	0.05	0.05	0.007	0.019	1.05	56.94
	20	12,045,441	0.51	0.19	0.10	0.05	0.04	0.006	0.017	0.93	50.70
	15	12,727,414	0.49	0.18	0.10	0.05	0.04	0.006	0.016	0.90	48.92
	10	12,882,202	0.49	0.18	0.10	0.05	0.04	0.006	0.016	0.89	48.48

Table 28: Sensitivities of Out-of-Pit Mineral Resource Estimate

Class	Cut-off	tonne	Pd	Pt	Cu	Au	Ni	Co	Rh	PdEq	NSR
	NSR	t	g/t	g/t	%	g/t	%	%	g/t	g/t	$/t
Indicated	100	976	1.34	0.50	0.21	0.11	0.05	0.007	0.038	2.24	122.08
	90	2,326	1.13	0.39	0.20	0.09	0.05	0.007	0.033	1.92	104.65
	80	8,796	0.95	0.27	0.22	0.07	0.04	0.008	0.028	1.66	90.26
	70	18,707	0.85	0.26	0.20	0.06	0.05	0.008	0.025	1.51	81.95
	60	74,194	0.71	0.25	0.14	0.06	0.05	0.007	0.021	1.25	68.11
	50	212,994	0.60	0.22	0.14	0.05	0.05	0.007	0.018	1.09	59.56
	40	515,908	0.47	0.18	0.14	0.05	0.05	0.007	0.014	0.93	50.78
Inferred	100	301,441	1.40	0.44	0.16	0.12	0.07	0.008	0.048	2.28	123.83
	90	397,391	1.32	0.42	0.15	0.11	0.07	0.008	0.044	2.15	116.77
	80	788,708	1.11	0.36	0.14	0.09	0.06	0.008	0.038	1.83	99.46
	70	1,399,023	0.98	0.32	0.13	0.08	0.06	0.007	0.033	1.63	88.88
	60	2,538,010	0.83	0.28	0.13	0.07	0.06	0.008	0.028	1.43	77.90
	50	3,608,598	0.75	0.26	0.13	0.07	0.05	0.008	0.025	1.31	71.20
	40	5,379,531	0.64	0.23	0.12	0.06	0.05	0.007	0.021	1.15	62.71

10.18 Model Validation

The block model was validated using a number of industry standard methods including visual and statistical methods.

- Visual examination of composites and block grades on successive plans and cross-sections were performed on-screen to confirm that the block models correctly reflect the distribution of composite grades.

  The review of estimation parameters included:
  Number of composites used for estimation;
  Number of drill holes used for estimation;
  Mean distance to sample used;
  Number of passes used to estimate grade;
  Actual distance to closest point;
  Grade of true closest point; and,
  Mean value of the composites used.

- The Inverse Distance Cubed (ID^3) estimate was compared to a Nearest-Neighbour (NN) estimate along with composites. A comparison of Pd mean composite grade with the block model at zero grade are presented in Table 28.

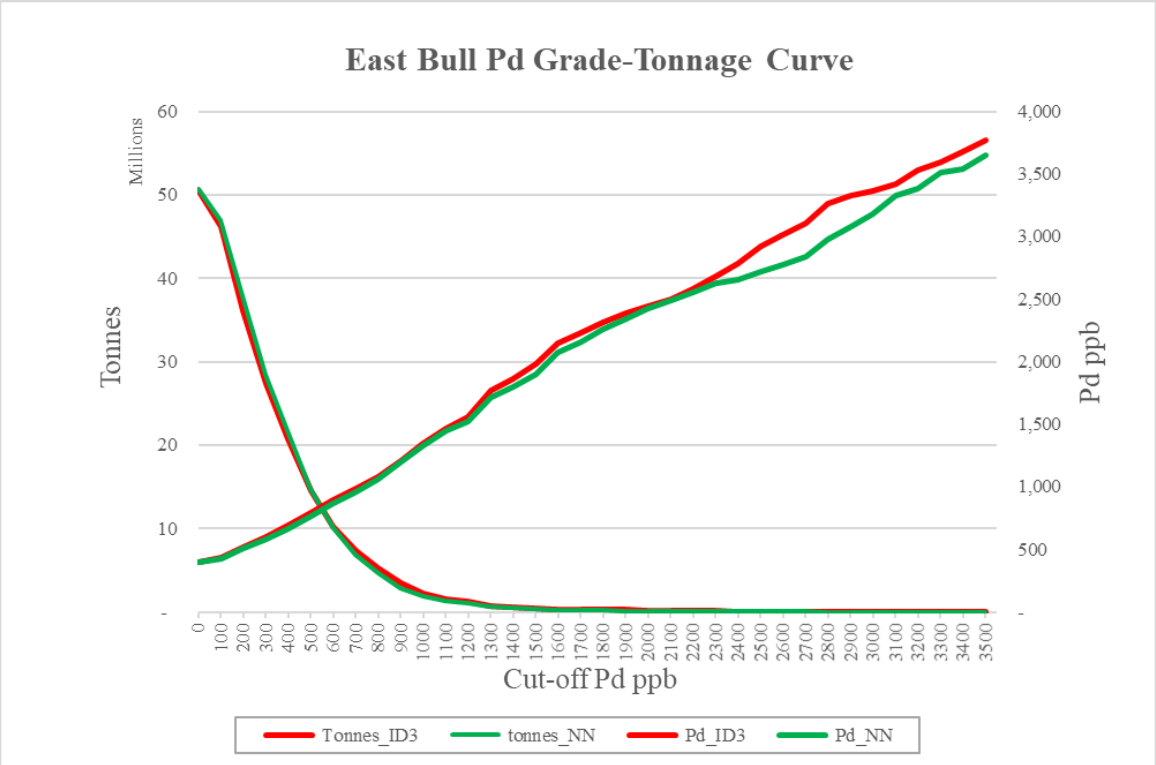
Table 29: PD AVERAGE GRADE COMPARISON OF COMPOSITES WITH BLOCK MODEL

Data Type	Pd (g/t)
Composites	0.42
Capped composites	0.41
Block model interpolated with ID^3	0.40
Block model interpolated with NN	0.40

The comparison shows the average Pd grade of block model was slightly lower than that of the capped composites used for the grade estimation. These were most likely due to grade de-clustering and interpolation process. The block model values will be more representative than the composites due to 3-D spatial distribution characteristics of the block models.

- A comparison of the Pd grade-tonnage curves (Figure 22) interpolated with ID^3 and NN on a global mineralization basis.

Figure 22: Pd Grade–Tonnage Curve of East Bull



- Local trends of Pd were evaluated by comparing the ID^3 and NN estimate against the composites. The special swath plots of all domains are shown in Figure 23, 24, and 25.

Figure 23: Pd Grade Swath Plot Easting

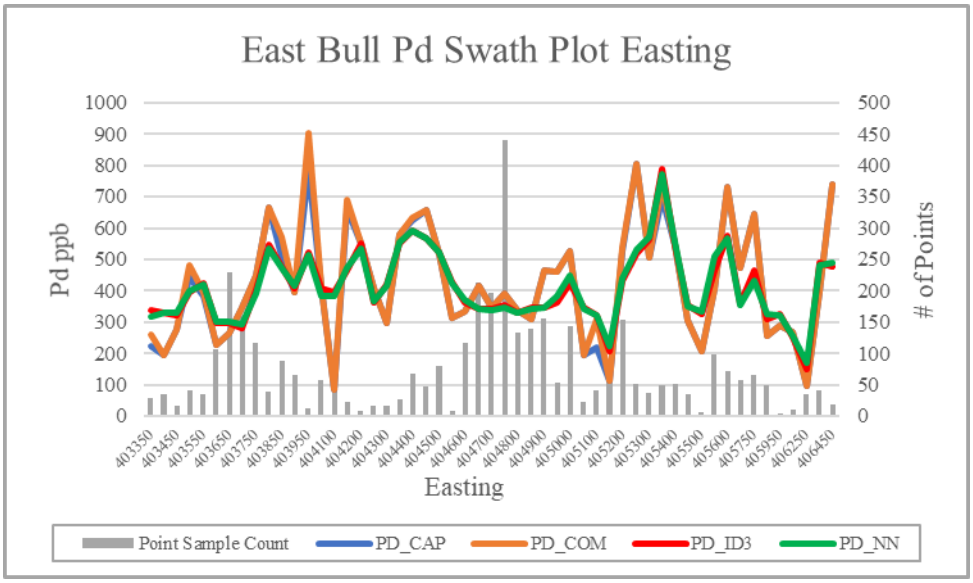


Figure 24: Pd Grade Swath Plot Northing

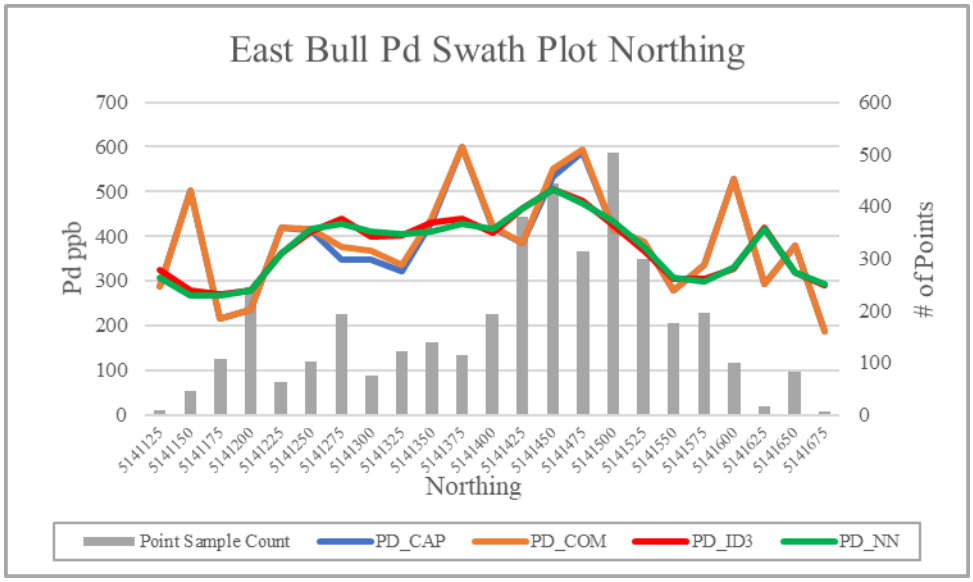
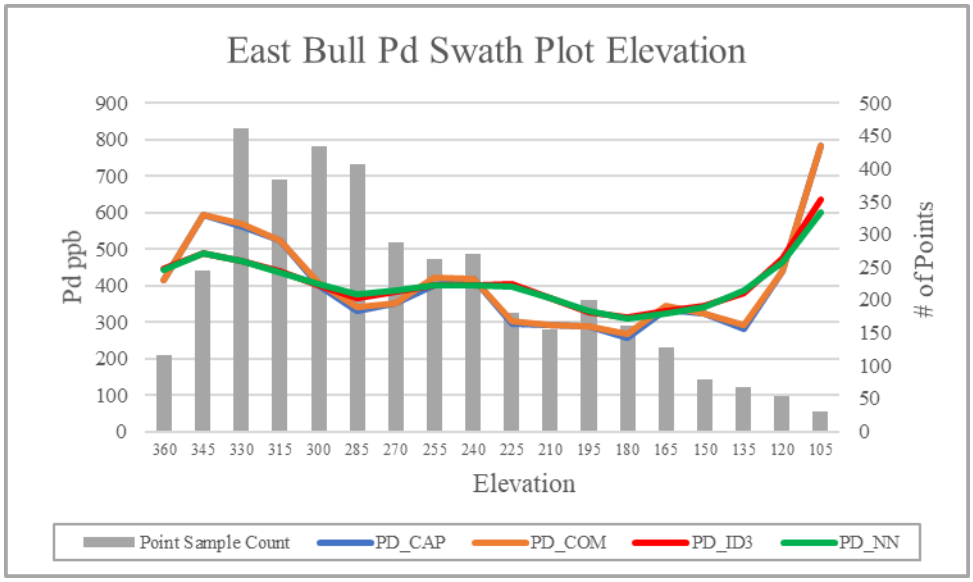


Figure 25: Pd Grade Swath Plot Elevation



11.0 INTERPRETATION AND CONCLUSIONS

Canadian Palladium's East Bull Palladium Property is located in northern Ontario, 90 km west of the city of Sudbury. The Property benefits from the close proximity to the city of Sudbury, well-developed transportation and power infrastructure, and the fully integrated base and precious metal mining, milling, smelting and refining complexes of Vale Canada Limited and Glencore PLC. The Property is accessible by route 553/810, all-weather road, extending north from Trans-Canada Highway 17 at Massey, Ontario.

The East Bull Palladium Property is comprised of 86 contiguous staked mining claims (approximately 1,606 ha) in central Gerow Township, Sudbury Mining Division. Canadian Palladium has an option agreement with Pavey Ark Minerals Inc. to obtain a 100% interest in the East Bull Palladium Property through a combination of exploration expenditures, the issuance of shares and cash payments. The claims are 100% registered to Pavey Ark Minerals Inc., a private Ontario company. Canadian Palladium holds an exploration permit for drilling and trenching issued by the Ontario MNDM valid until August 2023.

The East Bull PGM Property is underlain by gabbroic rocks of the 2.48 Ga East Bull Lake Intrusive Suite, a regional, Paleoproterozoic, bimodal magmatic event resulting from a mantle-plume related rift. The East Bull PGM Property is located on the southern contact of the western magma chamber of the East Bull Lake Intrusion. On the Property, the PGM and base metal mineralization is primarily hosted in the Varitextured melagabbro unit at the base of the Lower Series.

Drilling and surface trenching have defined significant precious metal and base metal mineralization in the Inclusion Bearing Zone of the East Bull Intrusion over a strike length of 3.5 km. The Valhalla Zone, named after the original Freewest discovery in 1998, is the largest mineralized zone with a strike length of over 2,500 m. The Valhalla Zone strikes at approximately azimuth 078^{o}, dips approximately -45^{o} north, and is locally up to 60 m wide. The Hanging Wall Zone occurs as a 20 to 25 m wide mineralized zone, parallel to the Valhalla Zone, in the eastern part of the Deposit. The Garden Zone occurs in the western part of the Property and was probably continuous with the Valhalla Zone prior to being offset by a 120^{o} trending fault. The EOH Zone was discovered in 2021 and is a 060^{o} striking, subvertical zone that underlies the Garden Zone.

Opportunities for expanding the Valhalla and Garden Zones contact-type PGM-base metal mineralization are present along strike and down-dip. Additionally, there is significant potential for expanding the EOH Zone conduit-type mineralization and the discovery of other mineralized feeder conduits.

Mineralization typically consists of 0.1 to 1.0% sulphide. The sulphides consist of finely disseminated grains, and coarser blebs locally up to 5 cm in diameter with chalcopyrite and pyrrhotite that appear to have initially formed as primary magmatic sulphides. The major sulphide phases are pyrrhotite, chalcopyrite, pentlandite and pyrite. PGM minerals have been identified as: froodite ($PdBi_2$); kotulsite (PdTe); merenskyite ($PdTe_2$); michenerite (PdBiTe); unidentified Pd arsenide; sperrylite ($PtAs_2$); platarsite (PtAsS); and hollingsworthite (RhAsS). Gold grains are also identified.

The East Bull Intrusion has been explored for base metals and PGM since 1952. Previous exploration work on the East Bull PGM Property was by Freewest and Mustang in 1999 and 2000 and by Pavey Ark in 2017. Freewest drilled 27 holes for a total of 2,902 m and carried out extensive surface trenching on legacy claim 4272475. Work by Mustang on the eastern part of the Property (legacy claim 1227910) included 11 drill holes for a total of 1,766 m. Pavey Ark's 2017 exploration included channel sampling, 320 metres of diamond drilling in three drill holes to twin Mustang holes, and re-sampling of core originally drilled by Freewest in 1999 and 2000. This work resulted in an Initial Resource Estimate and Technical Report on the East Bull Deposit by P&E Mining Consultants in 2018 for Pavey Ark.

The database compiled by P&E for this Mineral Resource Estimate consisted of 127 surface drill holes and 6 channels, totalling 24,806 metres, of which 80 holes, totalling 19,141 metres, were drilled in 2020 and 2021, subsequent to the previous Mineral Resource Estimate. A total of 121 drill holes intersected the Mineral Resource wireframes. The database contained 10,134 assays for Pd, Pt, Cu Ni, and Au, 7,329 assays for Co, and 1,129 assays for Rh.

The East Bull Palladium Deposit is estimated to have a total in-pit (estimated at a CAD$15/t NSR Cut-off) and out-of-pit (estimated at a CAD$50/t cut-off) Indicated Resources of 16.5 Mt at a grade of 0.49 g/t Pd, 0.19 g/t Pt, 0.05 g/t Au, 0.02 g/t Rh, 0.11% Cu, 0.05% Ni, 0.01% Co plus Inferred Resources of 16.3 Mt at a grade of 0.55 g/t Pd, 0.20 g/t Pt, 0.05 g/t Au, 0.02 g/t Rh, 0.10% Cu, 0.04% Ni, 0.01% Co. The total Indicated Resources contain 492.1 koz of PdEq and total Inferred Resources contain 519.6 koz of PdEq.

12.0 RECOMMENDATIONS

The East Bull PGM Property has been proven to host a platinum group metal and base metal resource that is associated with a well-defined magmatic mineralization environment. The Property has potential for delineation of additional Mineral Resources and that further exploration and development is warranted.

12.1 EXPLORATION RECOMMENDATIONS

The 2021 drilling program was successful in extending contact-type disseminated sulphide mineralization at the East Bull Deposit along strike and down dip. There is an opportunity for further incremental expansion of this mineralization type on the Property. In addition to expansion, infill drilling is warranted to increase the Resource confidence and establish a higher proportion of Indicated Resources.

The East Bull Property has a significant opportunity for targeting potential high-grade mineralization associated with mineralized feeder conduits such as the EOH Zone and the GAP target. High grade semi-massive sulphide has been intersected at the GAP target and follow up drilling is warranted. Exploration risk for this conduit-type of mineralization can be reduced by utilizing borehole IP geophysics for disseminated mineralization and borehole EM geophysics for conductive massive/semi-massive sulphide mineralization. Drilling the conduit-type mineralization will require deeper drilling with a northwest/southeast orientation to test the 060° and steeply dipping target trends.

The goal of this exploration approach would be to target a “Lac des Iles-type” development scenario with bulk-tonnage PGM surface deposit overlying a high-grade underground PGM deposit.

12.2 DEVELOPMENT RECOMMENDATIONS

This Mineral Resource Estimate shows that the East Bull Deposit has the potential to be developed as an open pit mining operation. It is suggested that initial development studies focus on additional metallurgy, stakeholder and environmental studies and a Preliminary Economic Assessment.

Based upon the results to date, additional flotation testwork is recommended to evaluate process recoveries and payable metal grades associated with potentially saleable copper and bulk copper-nickel concentrates. Work should focus on optimizing the NSR value of the mineralization and subsequent Mineral Resource Estimates. Samples should be obtained from the proposed drilling program.

Canadian Palladium may wish to advance preliminary stakeholder discussions and initiate baseline environmental studies.

Based on the current results and additional proposed drilling and metallurgical test work, the next stage of the Project would be to advance early stage studies through a Preliminary Economic Assessment (PEA). The PEA will include pit optimization, evaluate stripping ratio, a production schedule and present models for Project economics. Opportunities for developing a high-grade starter pit would be included in the PEA.

13.0 REFERENCES

Born, P., 1979, Geology of the East Bull Lake Layered Complex, District of Algoma, Ontario, Unpublished M.Sc. Thesis, Laurentian University, 147p.

Cabri, Louis, 2000, A Mineralogical Study of the Drill Core from the Folson Lake Project, Confidential Report 2000-011 for Freewest Resources Canada Inc. and Sparton Resources Inc., 18 p.

Chubb. RT., Hannila, K.K. and Peck, D.C., 1994, Precambrian Geology, East Bull Lake Gabbro-Anorthosite Intrusion; Ontario Geological Survey, Preliminary Map P.3274, scale 1:20000.

Easton, R.M., James, R.S. and Jobin-Bevans, L.S. 2010. Geological guidebook to the Paleoproterozoic East Bull Lake Intrusive Suite Plutons at East Bull Lake, Agnew Lake and River Valley: a field trip for the 11th International Platinum Symposium; Ontario Geological Survey, Open File Report 6253, 108p.

Easton, R.M., Josey, S.D., Murphy, E.I. and James, R.S. 2011. Geological compilation, East Bull Lake and Agnew Intrusions; Ontario Geological Survey, Preliminary Map P.3596, scale 1:50 000.

Foy, Robert, 2012, 2012 Drill Report, East Bull Lake Option, Mustang Minerals Corp, Western Areas NL, Boon and Gerow Townships, Sudbury Mining Division, Ontario, Assessment report for Mustang Minerals Corp., July 20, 2012, 185 p.

Lariviere, James, 2001, Report on the Phase One Drill Program, August 2000, Folson Lake Joint Venture Project, Report for Freewest Resources Canada Inc. and Sparton Resources Inc., January 2001, 55 pages plus drill logs.

Legault, J.M., Orta, M., Kumar, H., Zhao, S., 2011, ZTEM™ and VTEM™ Airborne EM Survey Results Over PGM-Cu-Ni Targets At East Bull Lake Anorthositic Complex, Massey, Ontario, Presented at SEG 2011.

McCracken, Todd, 2012, Technical Report and Resource Estimate on the River Valley PGM Project, Northern Ontario, NI43-101 Technical Report for Pacific North West Capital Corp. by Tetra Tech Wardrop, June 13, 2012.

Moore, E.S. and Armstrong, H.S., 1943, Ontario Department of Mines Annual Report 1943, Vol LII, part 6, accompanied by Map No. 52d, East Bull Lake Area, District of Algoma, Ontario, scale 1:63,360 or 1 inch to 1 mile.

Peck, D.C., James, R.S., Chubb, P.T., Prevec, S.A. and Keays, R.R. 1995. Geology, metallogeny and petrogenesis of the East Bull Lake Intrusion, Ontario; Ontario Geological Survey, Open File Report 5923, 124p.

Peck, D.C., Keays, R.R., James, R.S., Chubb, P.T. and Reeves, S.J. 2001. Controls on the formation of contact-type PGE mineralization in the East Bull Lake Intrusion; Economic Geology, v.96, p.559-581.

Soever, Alar, 2001, Report on Properties in the Sudbury Area for Mustang Minerals Corp., NI43-101 Technical Report, Watts Griffis and McOuat Limited, Consulting Geologists and Engineers, Toronto, Effective date April 1, 2001, As amended May 28, 2001, 166 p.

Sutcliffe, R.H., 2017, Assessment Report on the 2017 Channel Sampling, Drilling, and Historical Core Re-Assay Program, East Bull PGM Property, Gerow Township, Sudbury Mining Division, for Pavey Ark Minerals Inc., December 31, 2017, 62 pages plus appendices and maps.

Wood, Peter, 2001, Geological and Geochemical Report, Summer 2000 Mapping Program on the East Bull Lake Project, Assessment report for Mustang Minerals Corp., July 6, 2001,60 p.

14.0 CERTIFICATE OF QUALIFICATION

Percy Clark
941 Cobalt Crescent
Thunder Bay, Ontario
Canada, P7B 5Z4
Telephone: 807-622-3284
Email: percy@clarkexploration.com

CERTIFICATE OF QUALIFIED PERSON

I, Percy Clark, P.Geo (#304), do hereby certify that:

1. I am a consulting geologist with an office at 941 Cobalt Crescent, Thunder Bay, Ontario.

2. I graduated with the degree of Bachelor of Science (Geology) from Acadia University, Wolfville, Nova Scoita in 2017.

3. “Assessment Report” refers to the report titled ““Assessment Report On the East Bull PGM Project Gerow Township, Sudbury Mining Division Ontario””, dated June 19, 2022.

4. I am a registered Professional Geologist (P. Geo) with the Association of Professional Geoscientists of Nova Scotia (#304).

5. I have worked as a Geologist since my graduation from university.

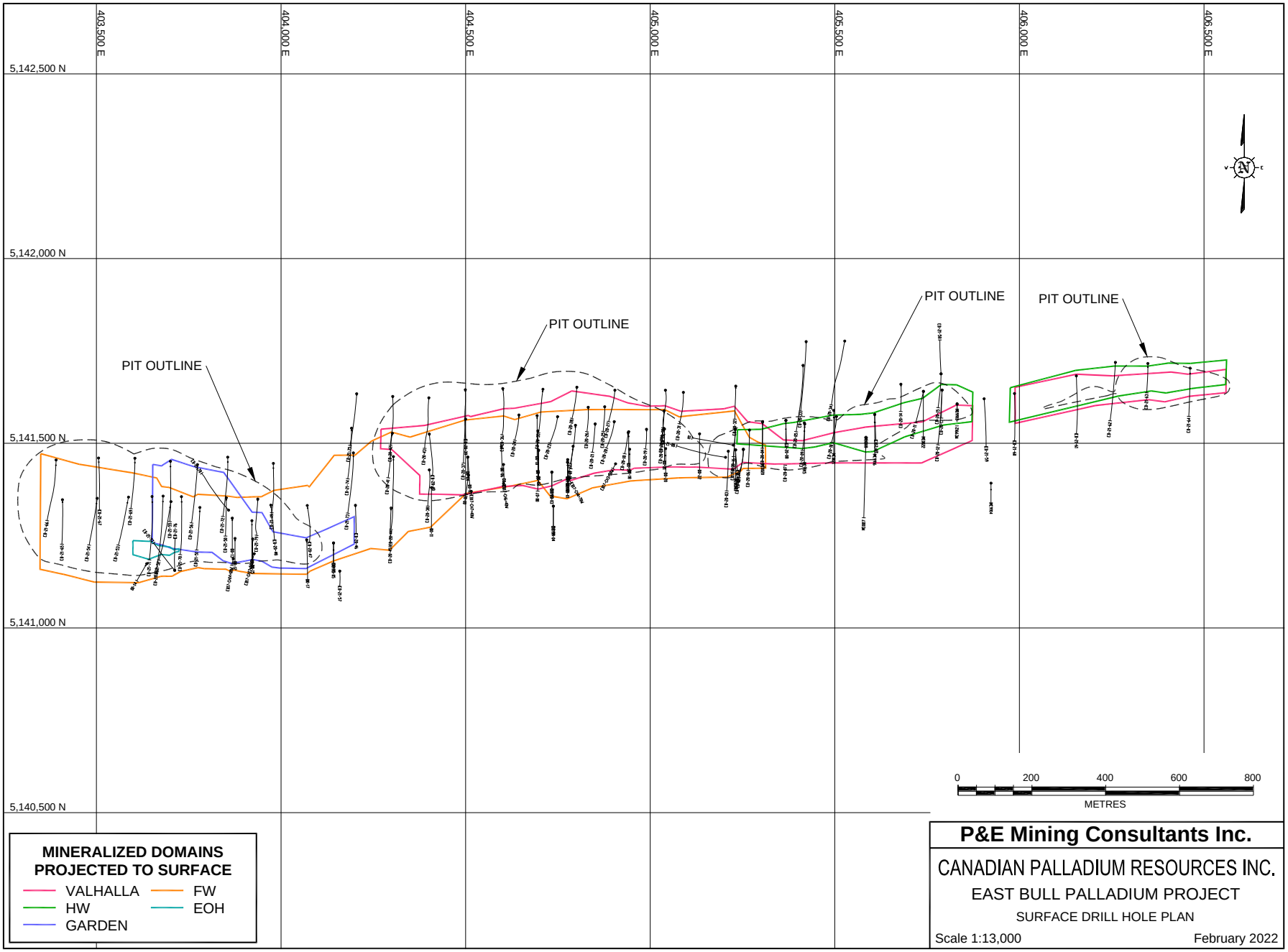
6. As of the date of this certificate, and to the best of my knowledge, information and belief, the Assessment Report contains all scientific and technical information that is required to be disclosed to make the Assessment Report not misleading.

Dated this 22nd day of June 2022.

“Percy Clark”

_____
Percy Clark, P.Geo

APPENDIX A DRILL HOLE PLAN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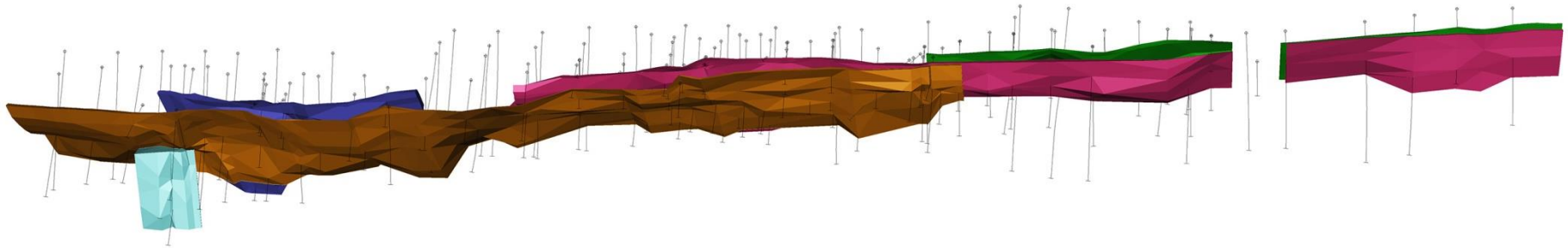
METRES
MINERALIZED DOMAINS
PROJECTED TO SURFACE
VALHALLA
FW
HW
EOH
GARDEN
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
SURFACE DRILL HOLE PLAN
Scale 1:13,000
February 2022

APPENDIX B 3-D DOMAINS

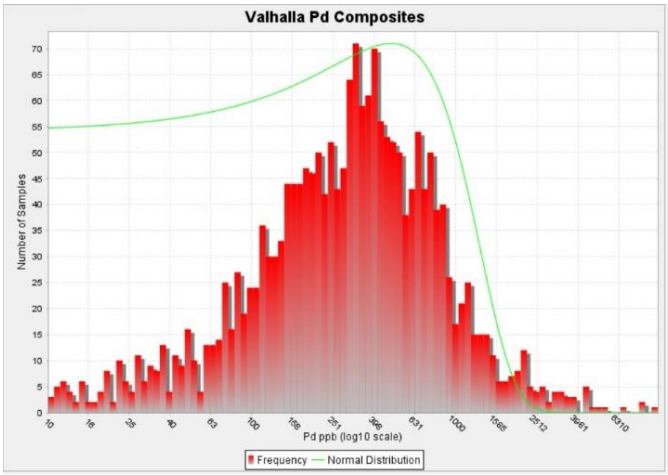
EAST BULL PALLADIUM PROJECT
3D DOMAINS

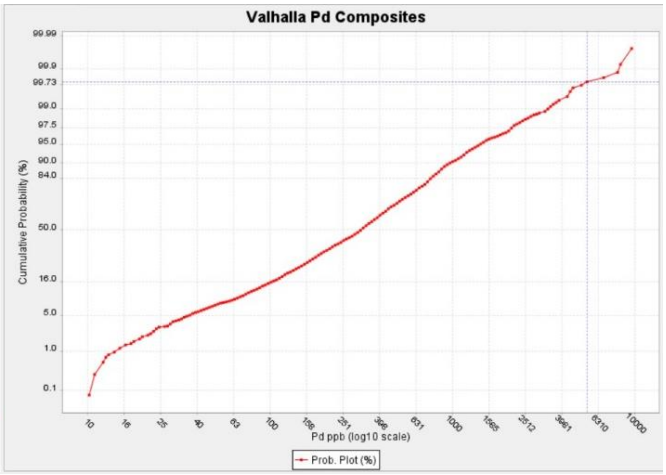


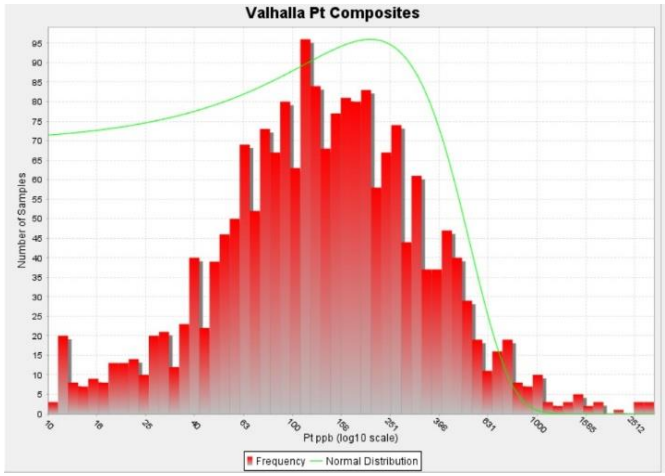
DOMAINS

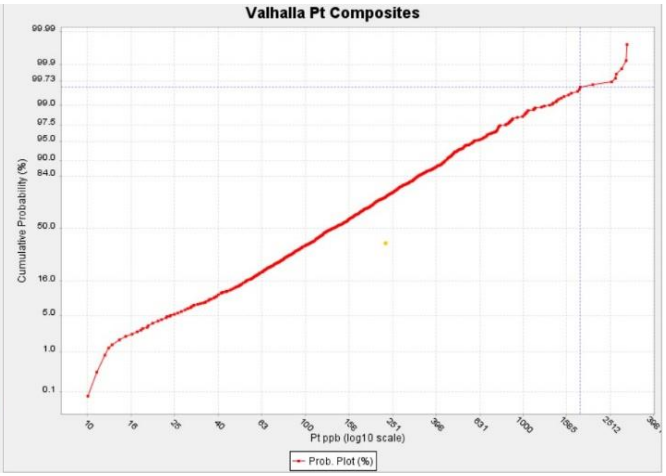
- VALHALLA
- HW
- GARDEN
- FW
- EOH

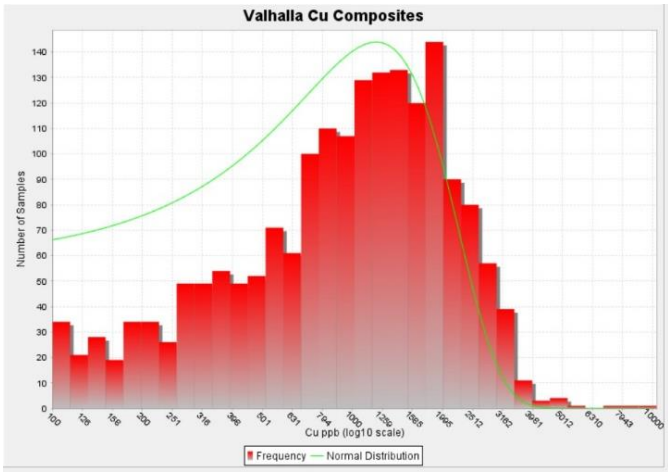
APPENDIX C LOG NORMAL HISTOGRAMS AND PROBABILITY PLOTS

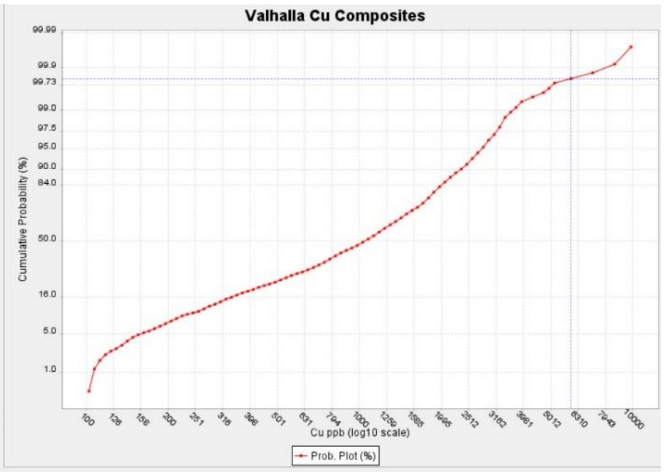

Valhalla Pd Composites
Number of Samples
Pd ppb (log10 scale)
Frequency
Normal Distribution

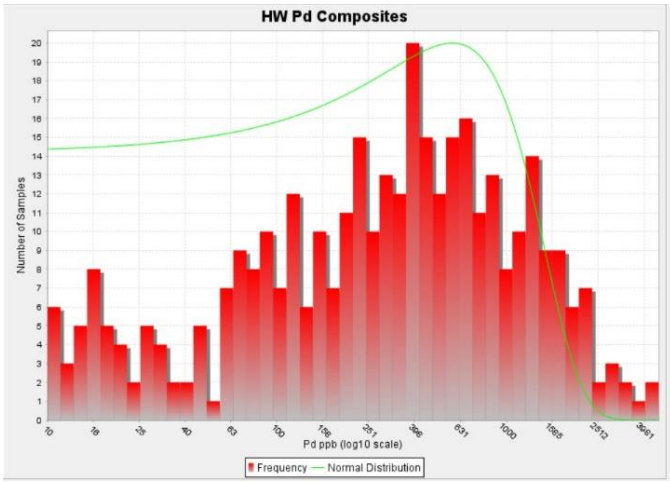

Valhalla Pd Composites
Cumulative Probability (%)
Pd ppb (log10 scale)
Prob. Plot (%)

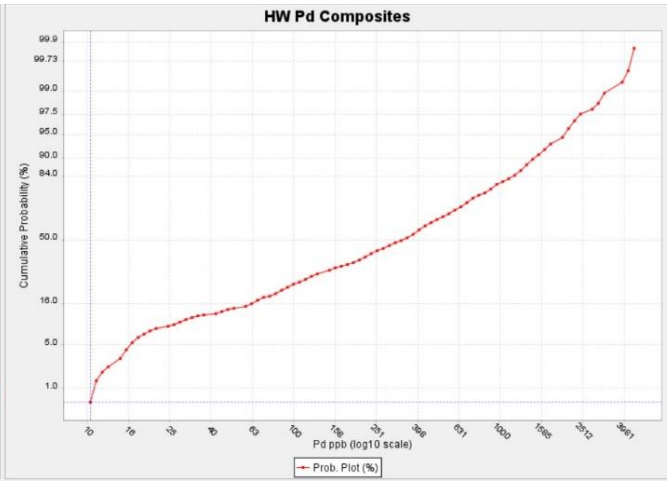

Valhalla Pt Composites
Number of Samples
Pt ppb (log10 scale)
Frequency
Normal Distribution

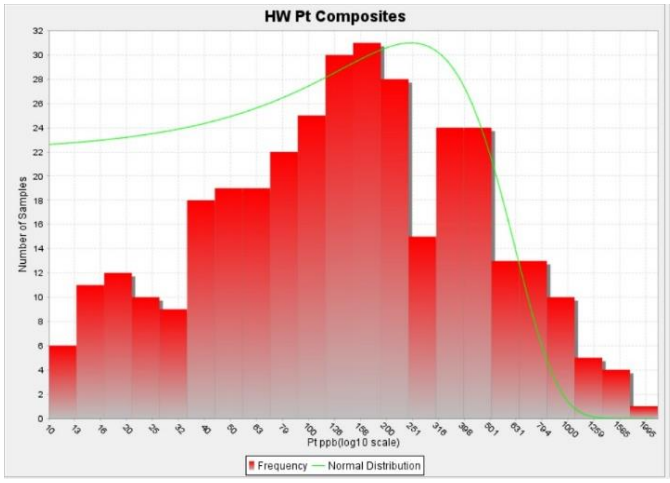

Valhalla Pt Composites
Cumulative Probability (%)
Pt ppb (log10 scale)
Prob. Plot (%)

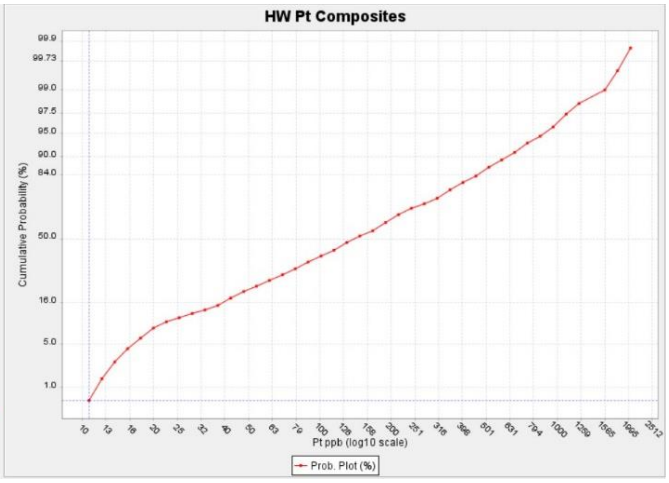

Valhalla Cu Composites
Number of Samples
Cu ppb (log10 scale)
Frequency
Normal Distribution

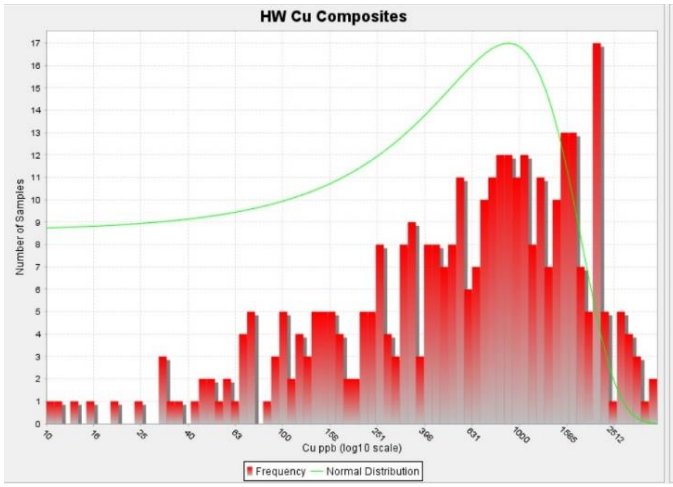

Valhalla Cu Composites
Cumulative Probability (%)
Cu ppb (log10 scale)
Prob. Plot (%)

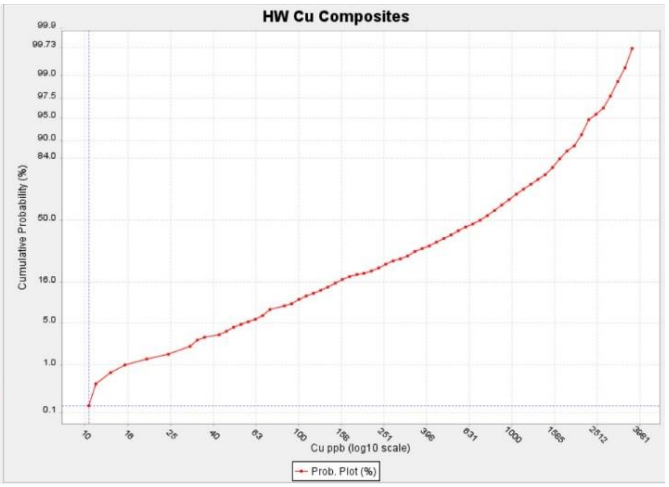

HW Pd Composites
Number of Samples
Pd ppb (log10 scale)
Frequency
Normal Distribution

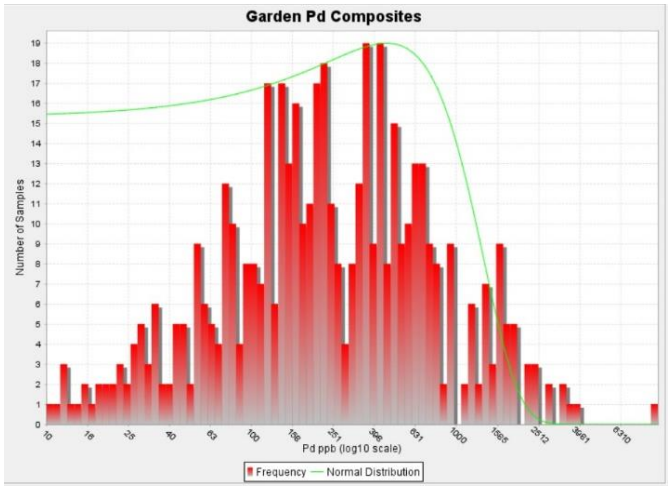

HW Pd Composites
Cumulative Probability (%)
Pd ppb (log10 scale)
Prob. Plot (%)

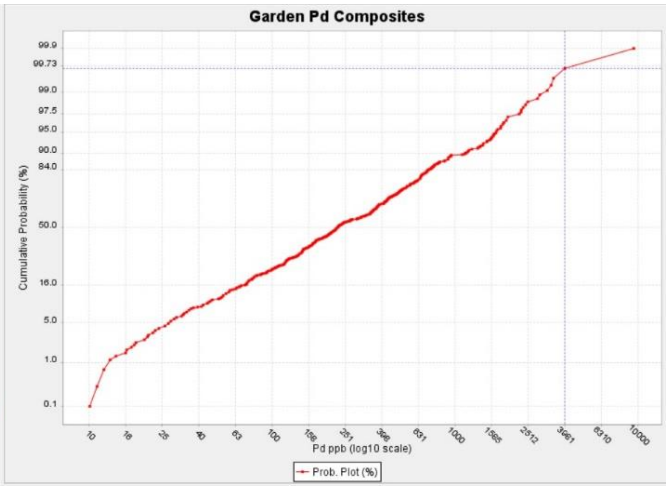

HW Pt Composites
Number of Samples
Pt ppb(log10 scale)
Frequency
Normal Distribution

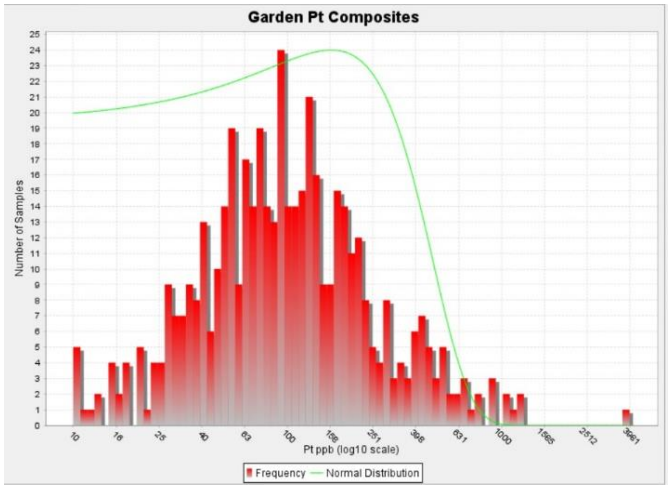

HW Pt Composites
Cumulative Probability (%)
Pt ppb (log10 scale)
Prob. Plot (%)

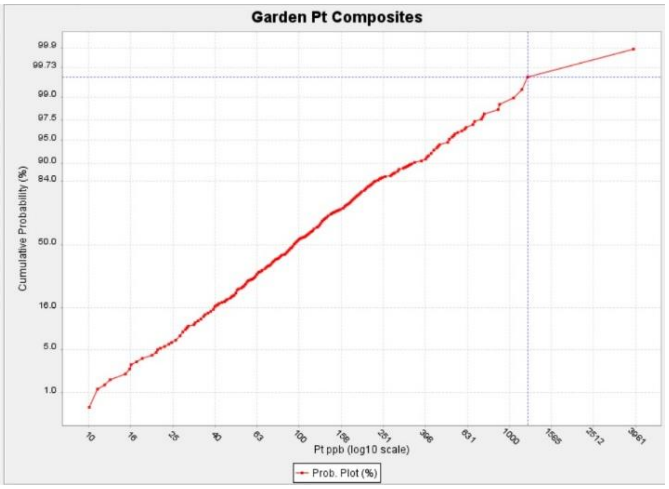

HW Cu Composites
Number of Samples
Cu ppb (log10 scale)
Frequency
Normal Distribution

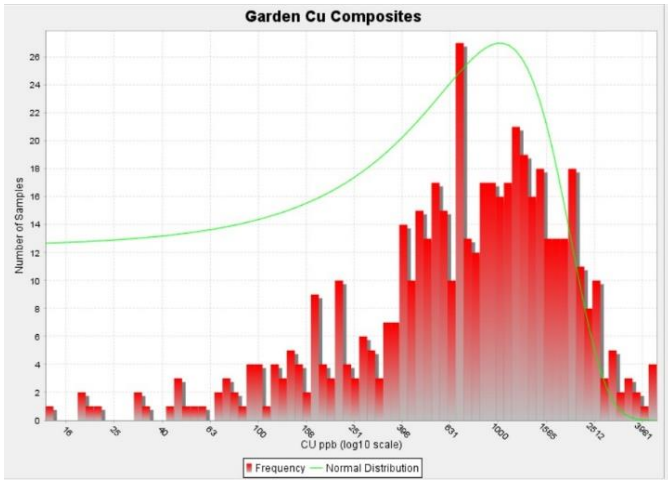

HW Cu Composites
Cumulative Probability (%)
Cu ppb (log10 scale)
Prob. Plot (%)

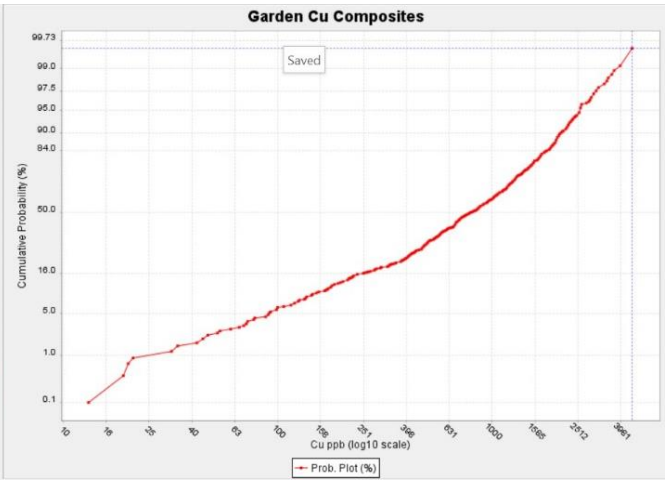

Garden Pd Composites
Number of Samples
Pd ppb (log10 scale)
Frequency
Normal Distribution

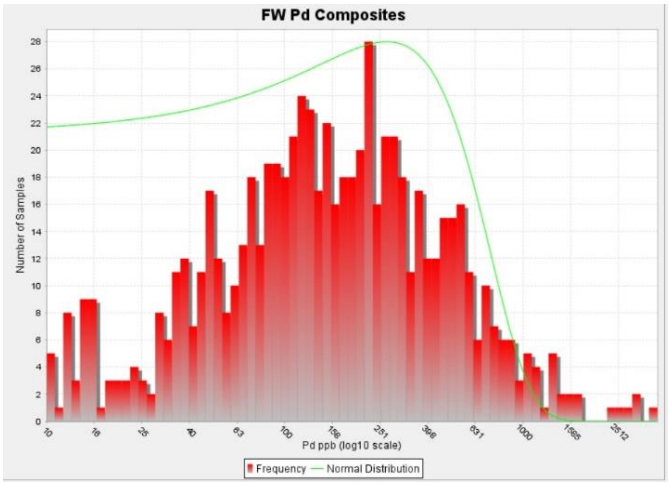

Garden Pd Composites
Cumulative Probability (%)
Pd ppb (log10 scale)
Prob. Plot (%)

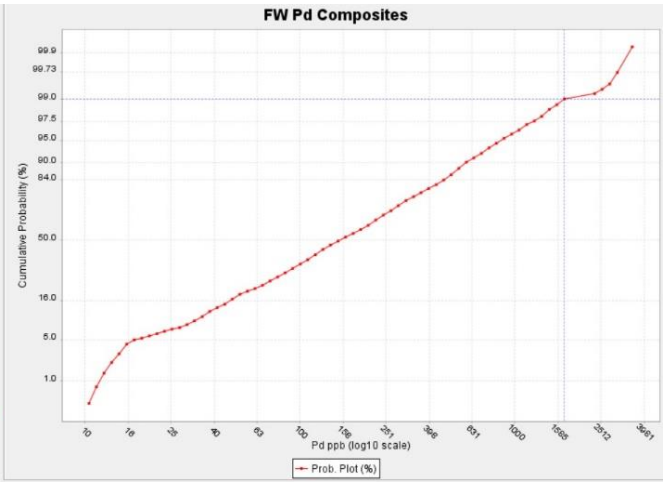

Garden Pt Composites
Number of Samples
Pt ppb (log10 scale)
Frequency
Normal Distribution

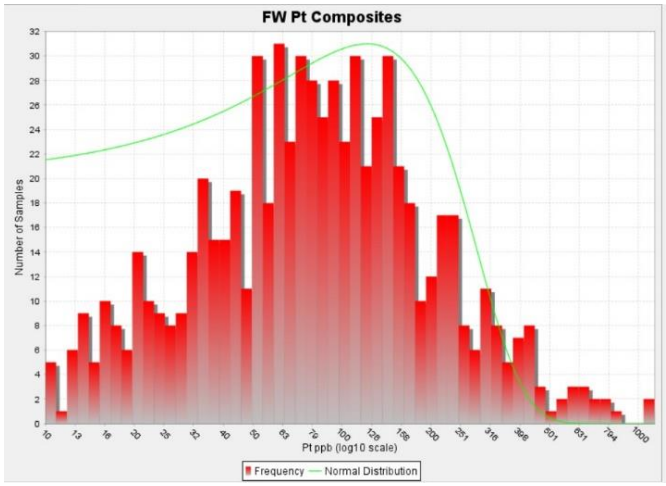

Garden Pt Composites
Cumulative Probability (%)
Pt ppb (log10 scale)
Prob. Plot (%)

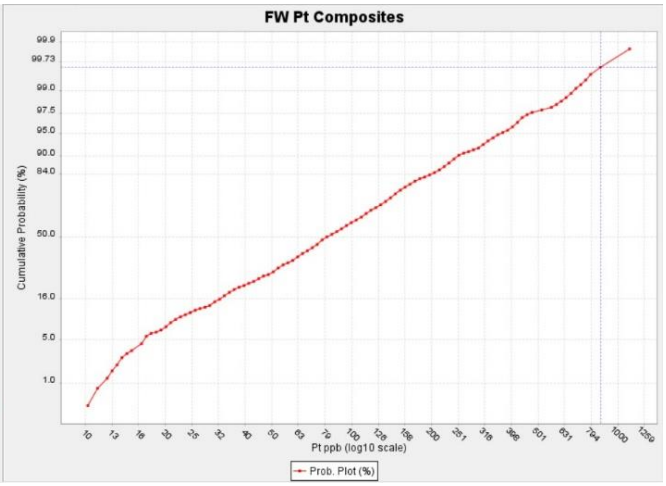

Garden Cu Composites
Number of Samples
CU ppb (log10 scale)
Frequency
Normal Distribution

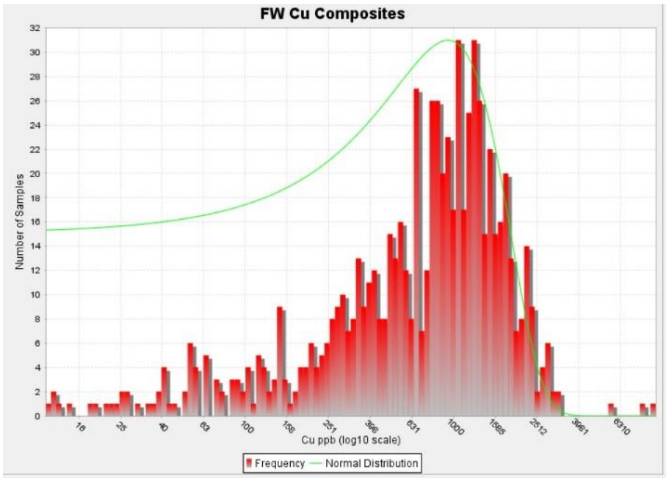

Garden Cu Composites
Saved
Cumulative Probability (%)
Cu ppb (log10 scale)
Prob. Plot (%)

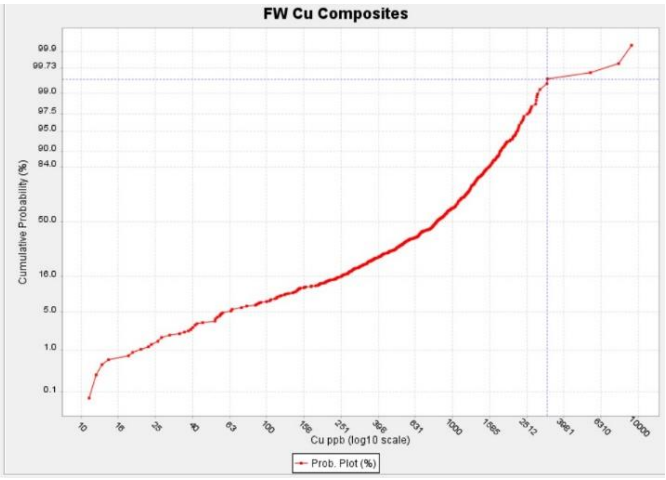

FW Pd Composites
Number of Samples
Pd ppb (log10 scale)
Frequency
Normal Distribution


FW Pd Composites
Cumulative Probability (%)
Pd ppb (log10 scale)
Prob. Plot (%)

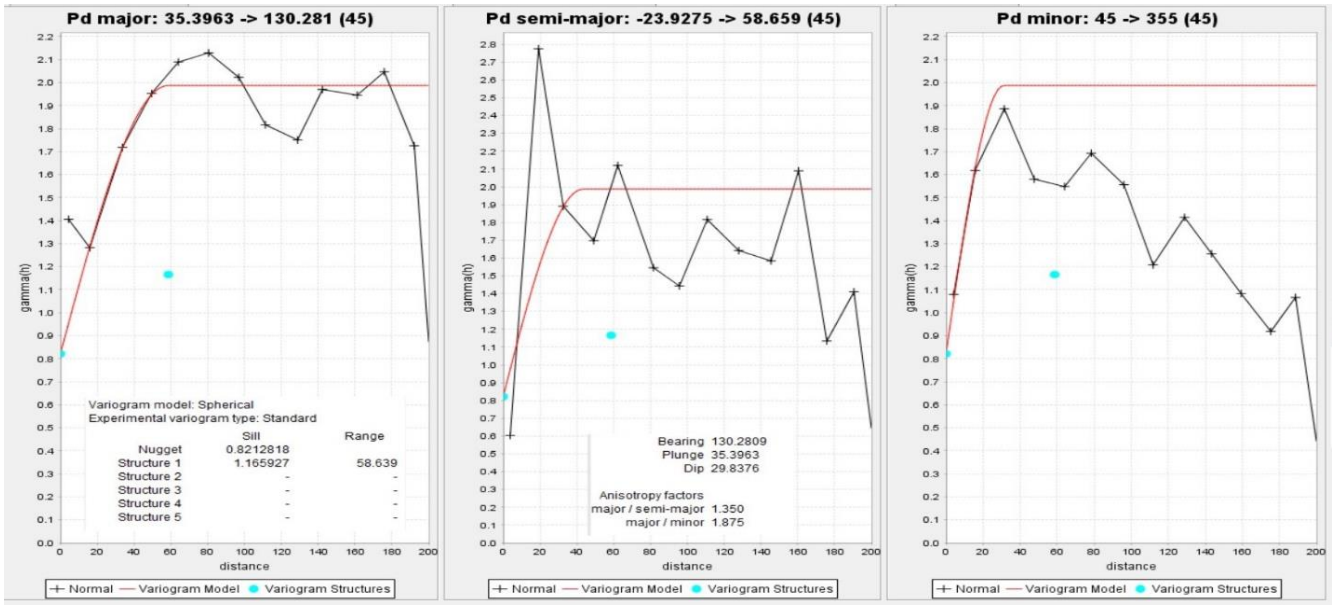

FW Pt Composites
Number of Samples
Pt ppb (log10 scale)
Frequency
Normal Distribution


FW Pt Composites
Cumulative Probability (%)
Pt ppb (log10 scale)
Prob. Plot (%)

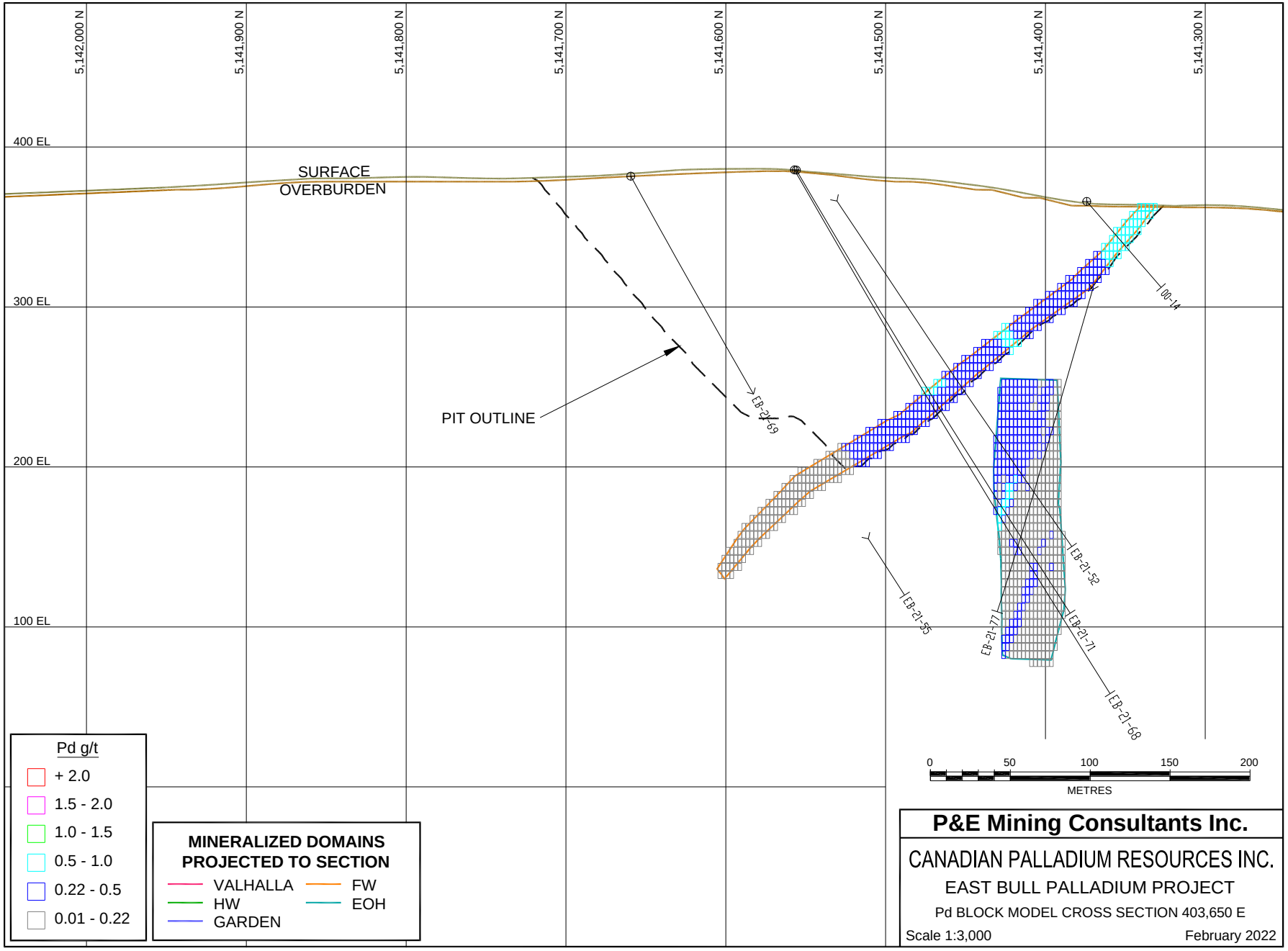

FW Cu Composites
Number of Samples
Cu ppb (log10 scale)
Frequency
Normal Distribution

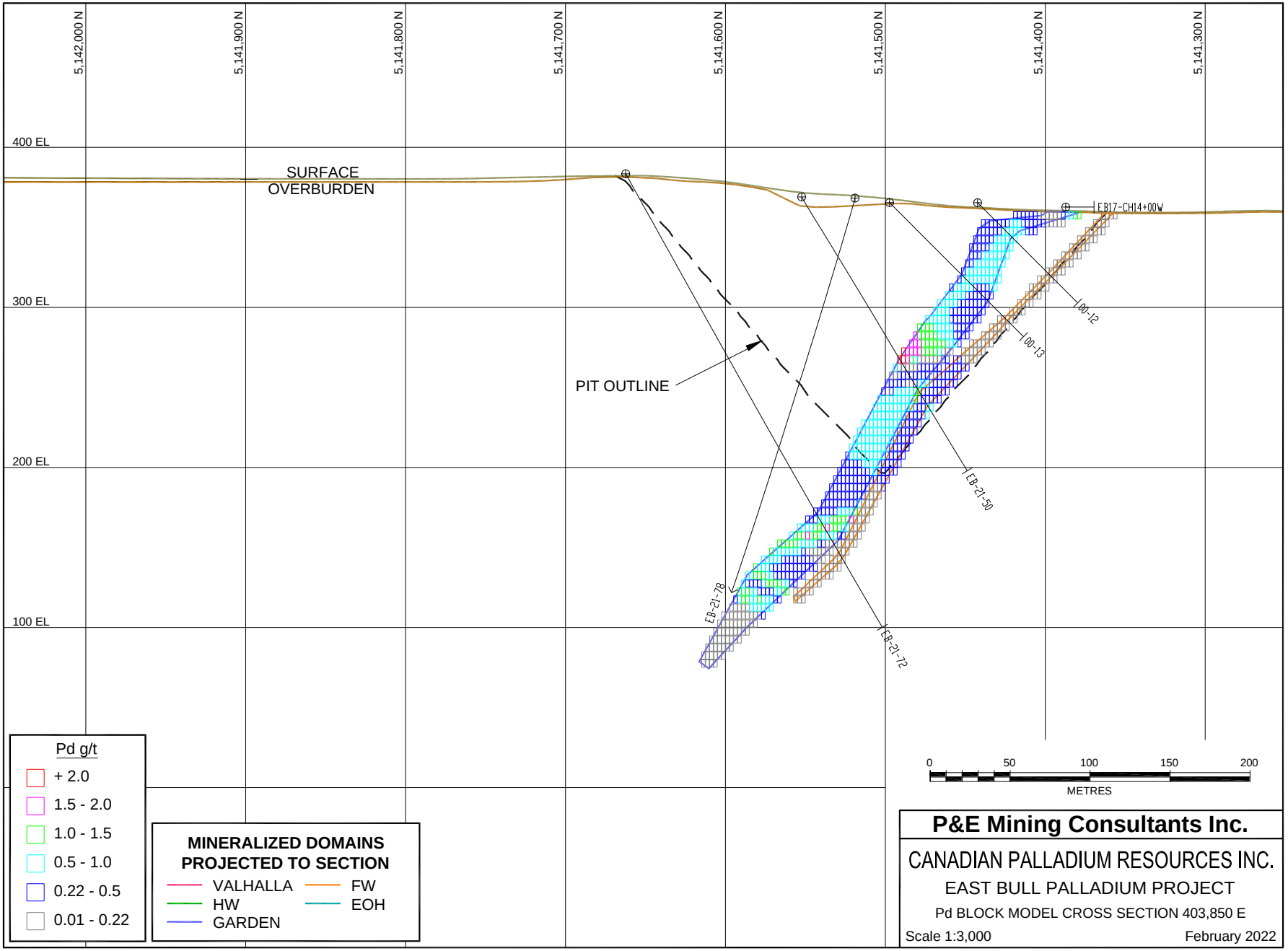

FW Cu Composites
Cumulative Probability (%)
Cu ppb (log10 scale)
Prob. Plot (%)

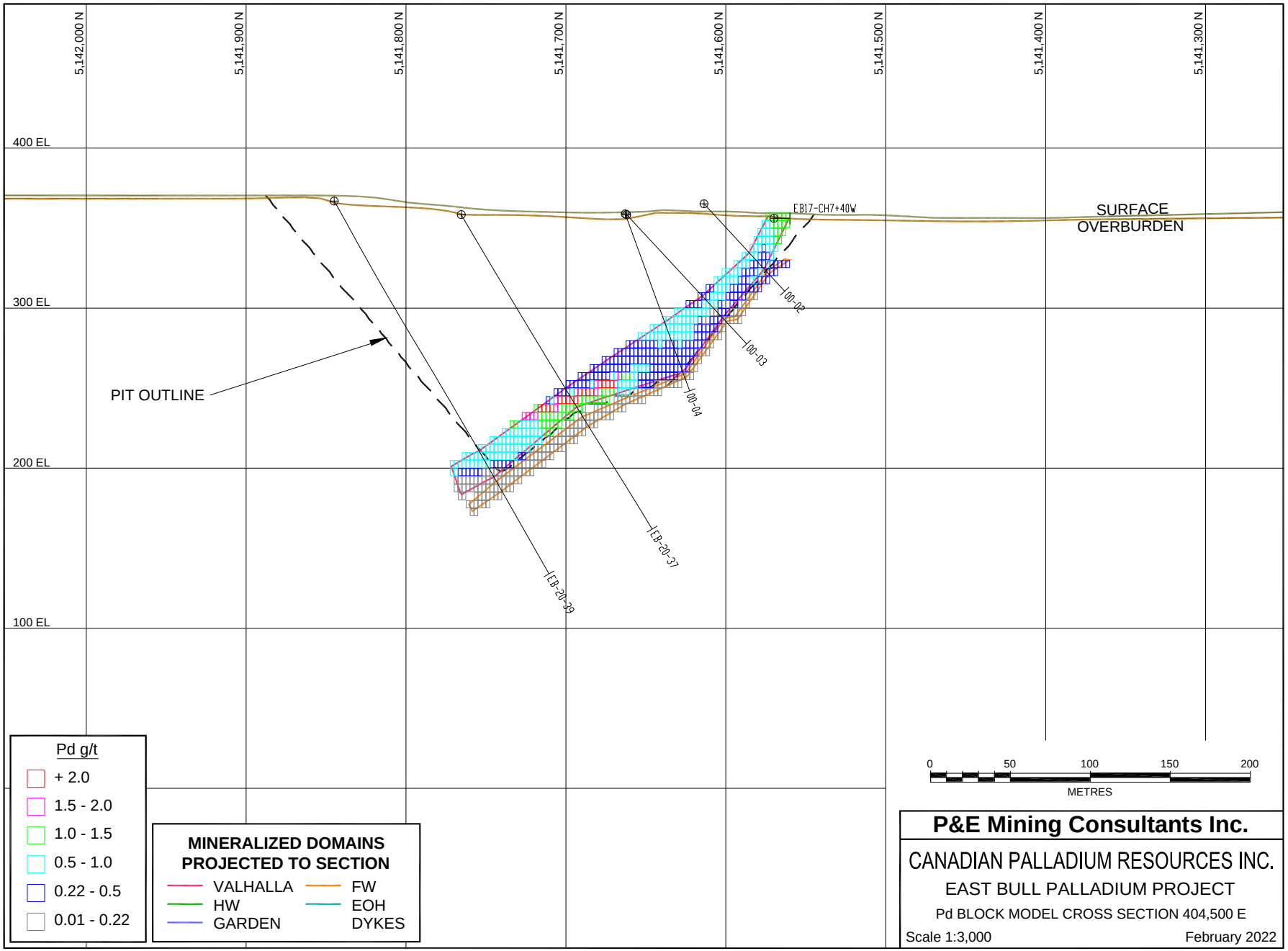
APPENDIX D VARIOGRAMS

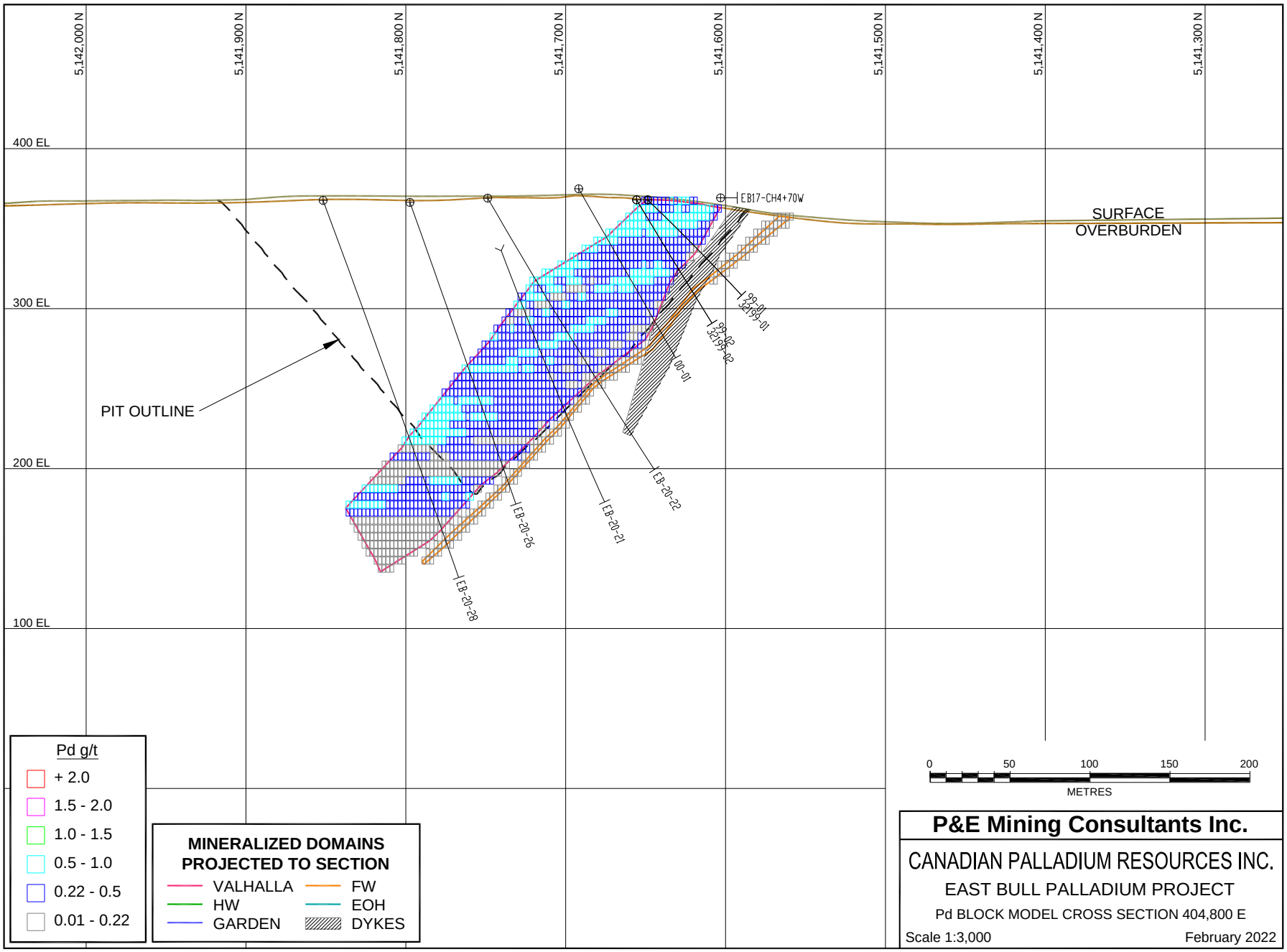

Pd major: 35.3963 -> 130.281 (45)
gamma(h)
distance
Variogram model: Spherical
Experimental variogram type: Standard
Sill
Range
Nugget 0.8212818
Structure 1 1.165927 58.639
Structure 2 - -
Structure 3 - -
Structure 4 - -
Structure 5 - -
Normal
Variogram Model
Variogram Structures
Pd semi-major: -23.9275 -> 58.659 (45)
gamma(h)
distance
Bearing 130.2809
Plunge 35.3963
Dip 29.8376
Anisotropy factors
major / semi-major 1.350
major / minor 1.875
Normal
Variogram Model
Variogram Structures
Pd minor: 45 -> 355 (45)
gamma(h)
distance
Normal
Variogram Model
Variogram Structures

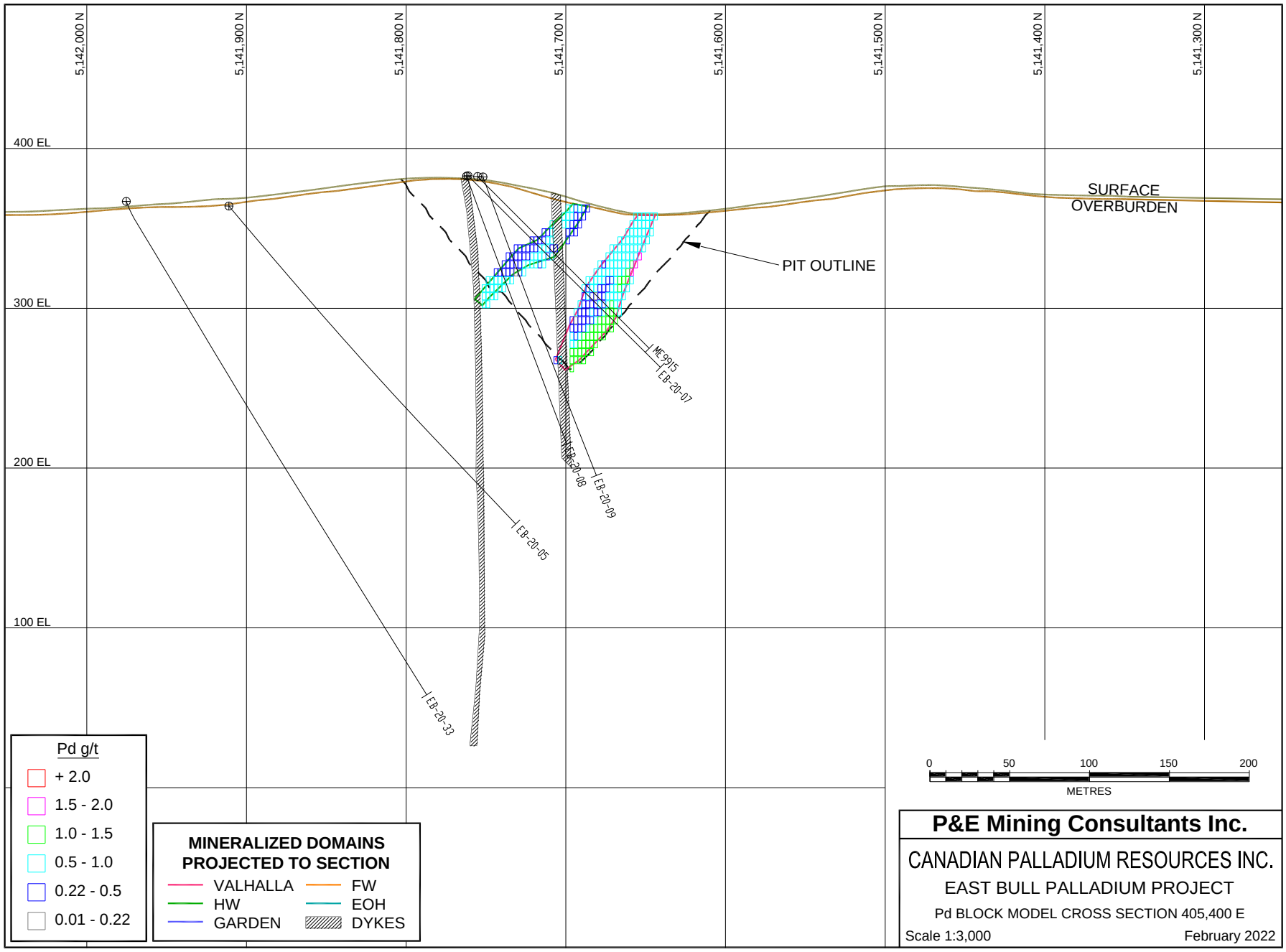
APPENDIX E *Pd* BLOCK MODEL CROSS SECTIONS AND PLANS

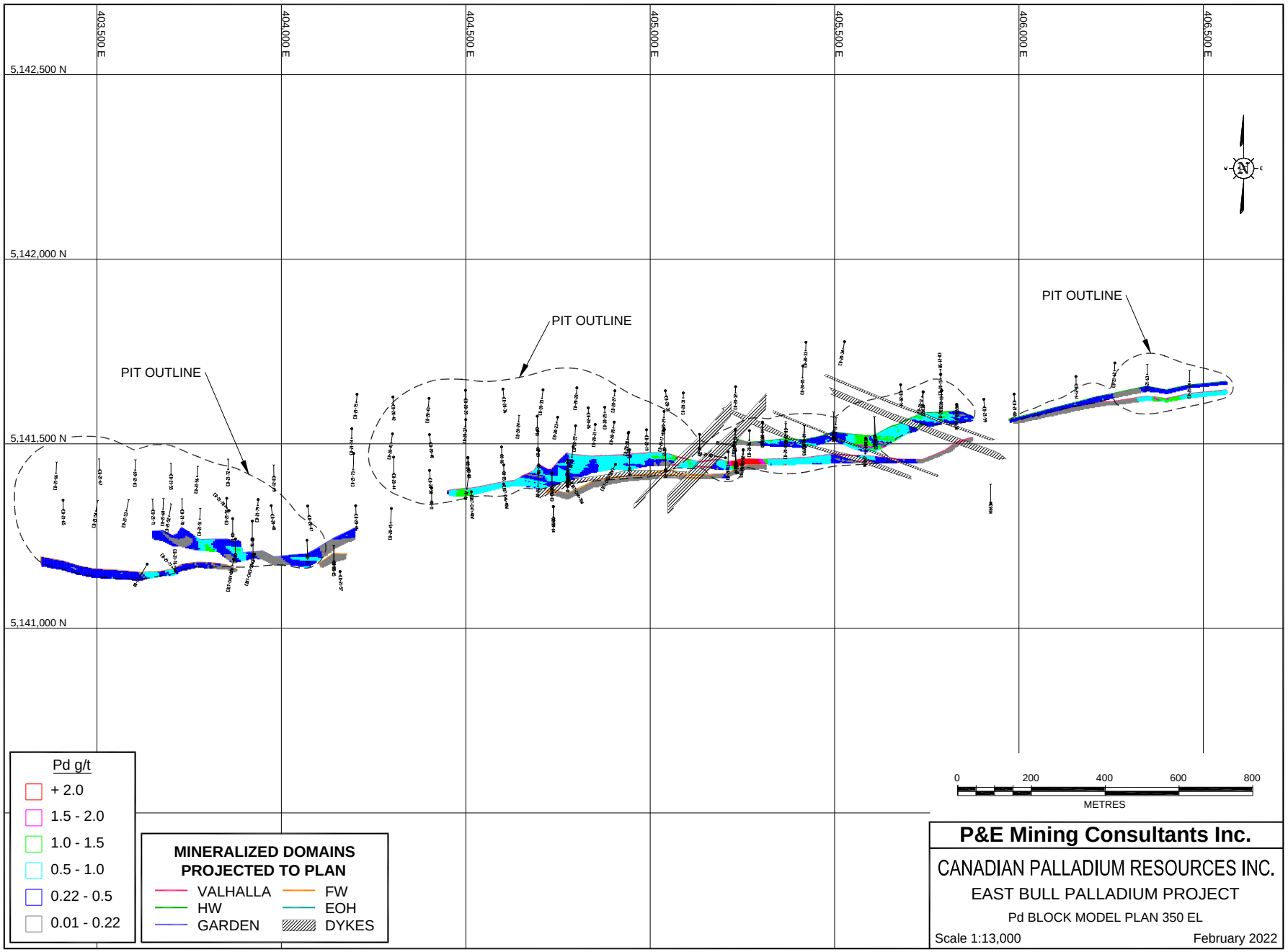

5,142,000 N
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
SURFACE
OVERBURDEN
PIT OUTLINE
EB-21-69
00-14
EB-21-52
EB-21-55
EB-21-177
EB-21-71
EB-21-68
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL CROSS SECTION 403,650 E
Scale 1:3,000
February 2022

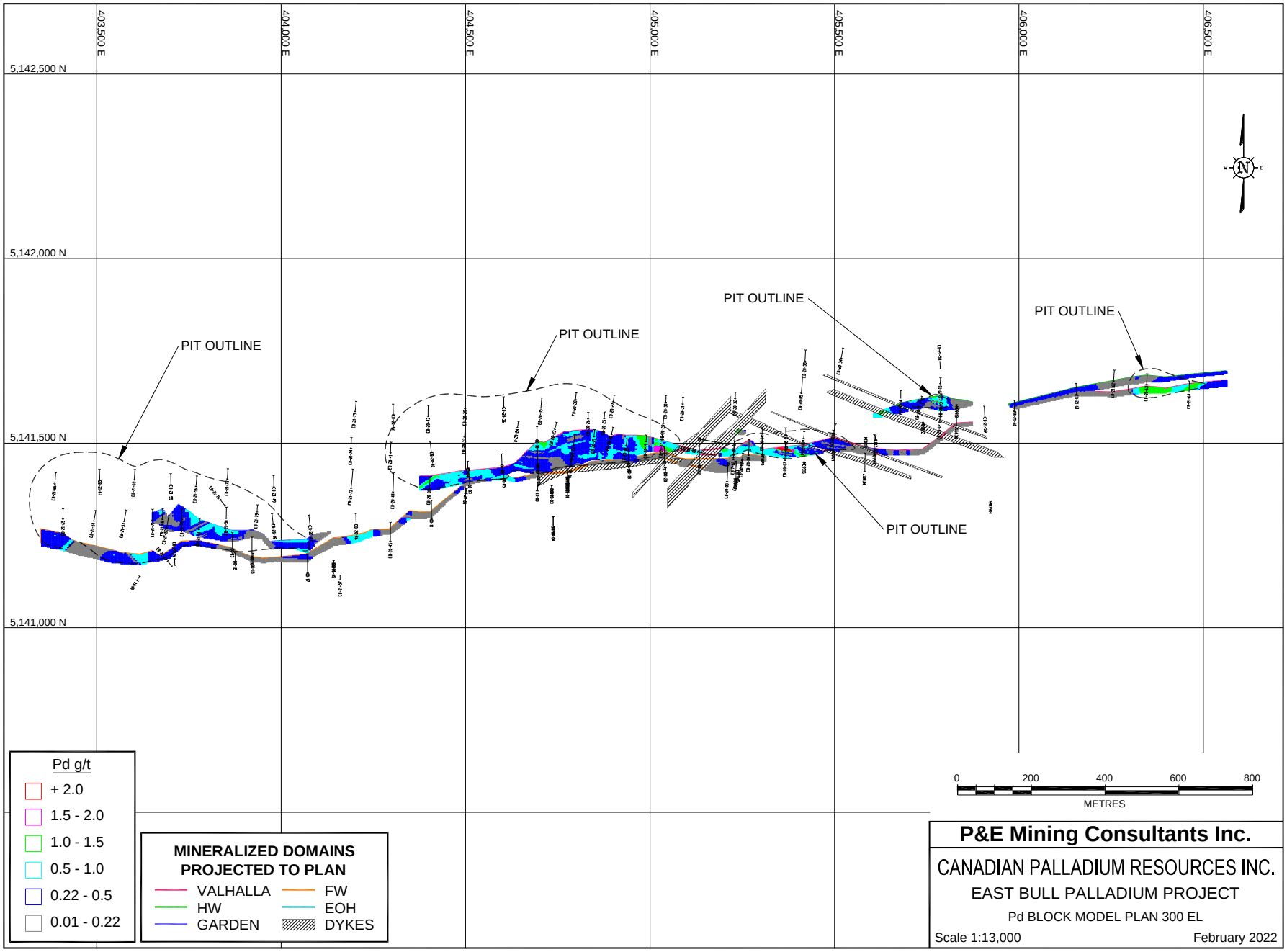

5,142,000 N
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
SURFACE
OVERBURDEN
PIT OUTLINE
EB17-CH14+00W
00-12
00-13
EB-21-50
EB-21-78
EB-21-72
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL CROSS SECTION 403,850 E
Scale 1:3,000
February 2022

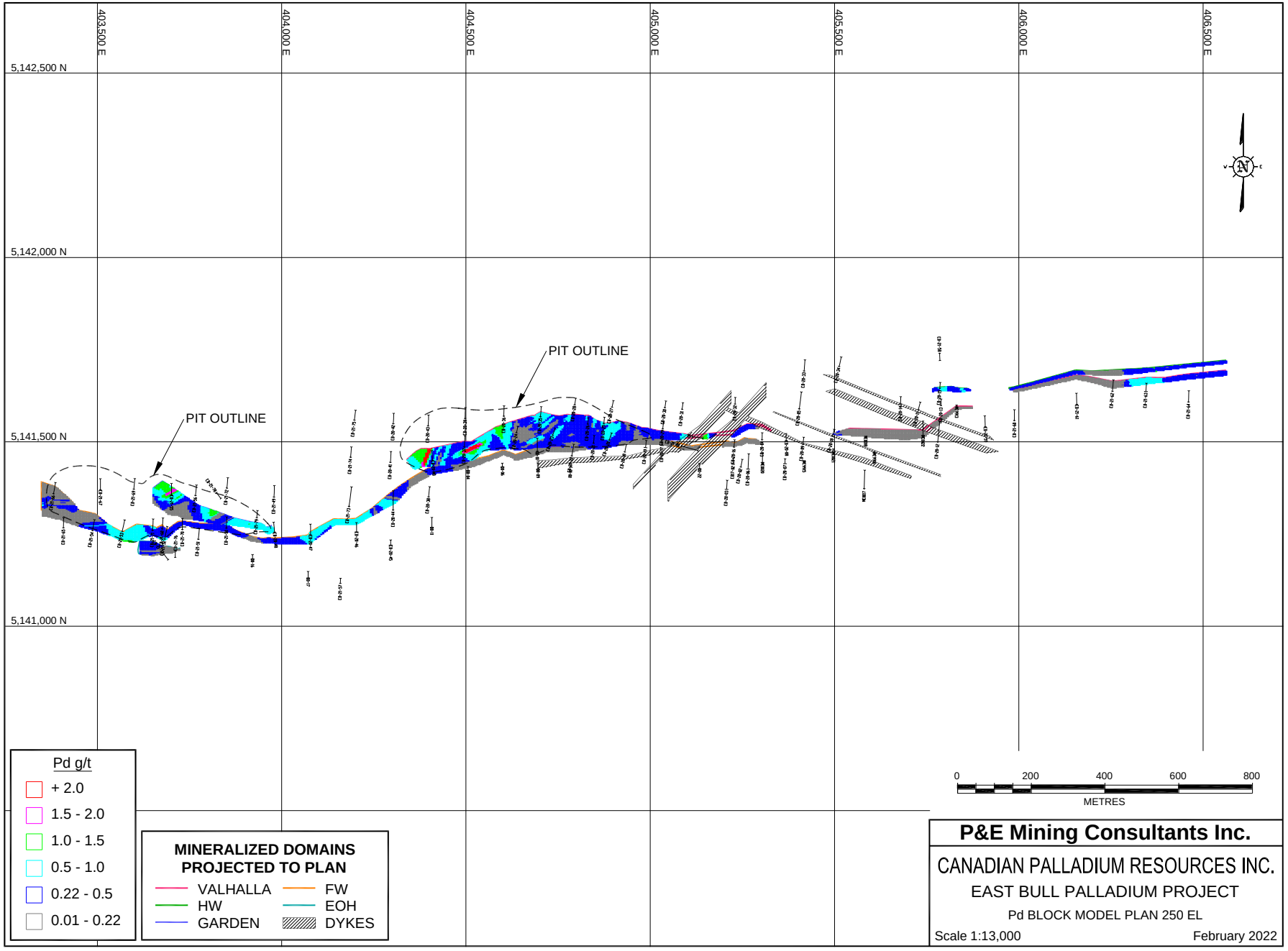

5,142,000 N
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
EB17-CH7+40W
SURFACE
OVERBURDEN
PIT OUTLINE
100-02
100-03
100-04
EB-20-37
EB-20-39
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL CROSS SECTION 404,500 E
Scale 1:3,000
February 2022

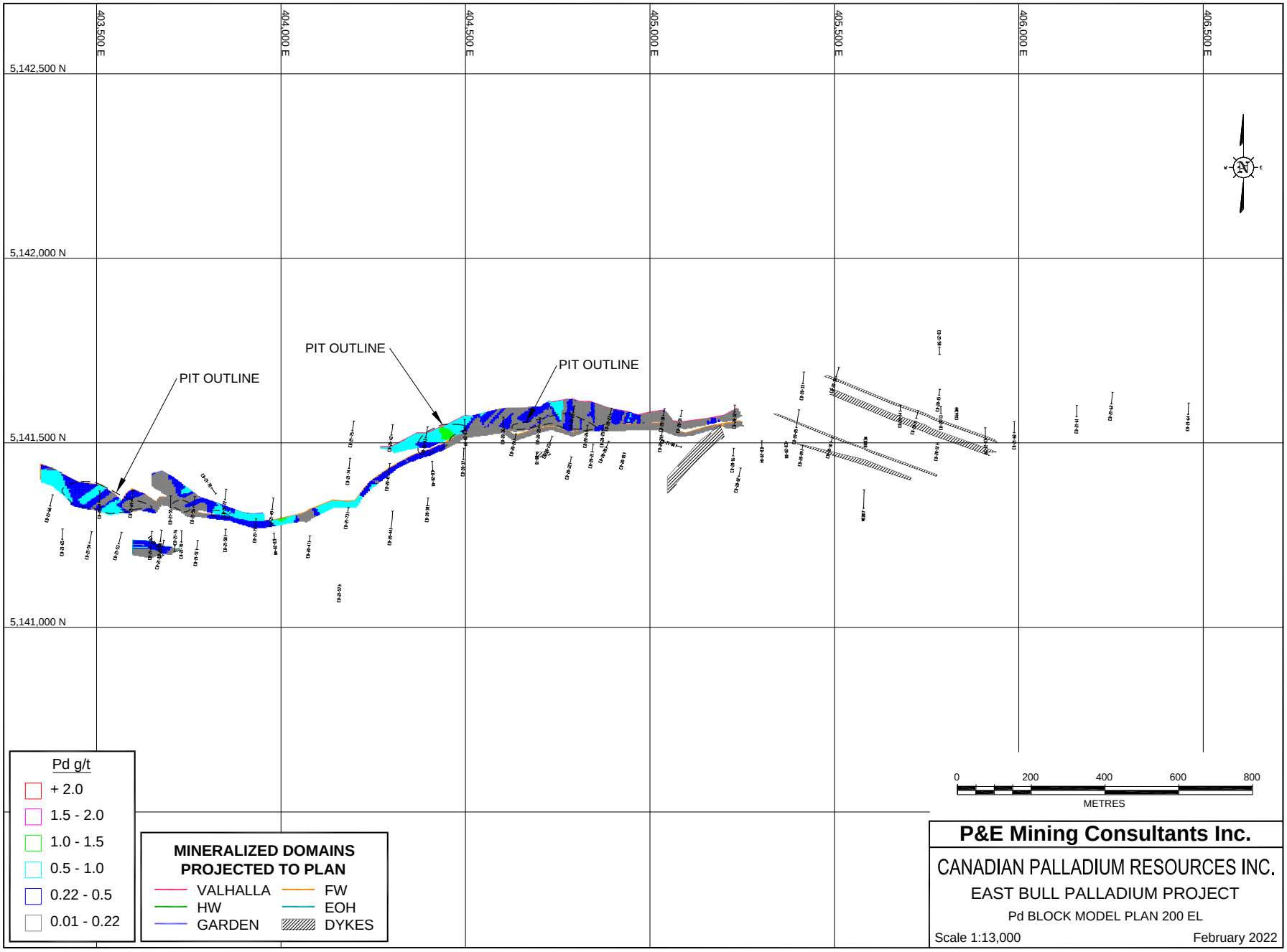

5,142,000 N
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
EB17-CH4+70W
SURFACE
OVERBURDEN
PIT OUTLINE
99-01
3219-01
99-02
3219-02
00-01
EB-20-22
EB-20-21
EB-20-26
EB-20-28
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL CROSS SECTION 404,800 E
Scale 1:3,000
February 2022


5,142,000 N
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
SURFACE
OVERBURDEN
PIT OUTLINE
ME-9915
EB-20-07
EB-20-08
EB-20-09
EB-20-05
EB-20-33
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL CROSS SECTION 405,400 E
Scale 1:3,000
February 2022

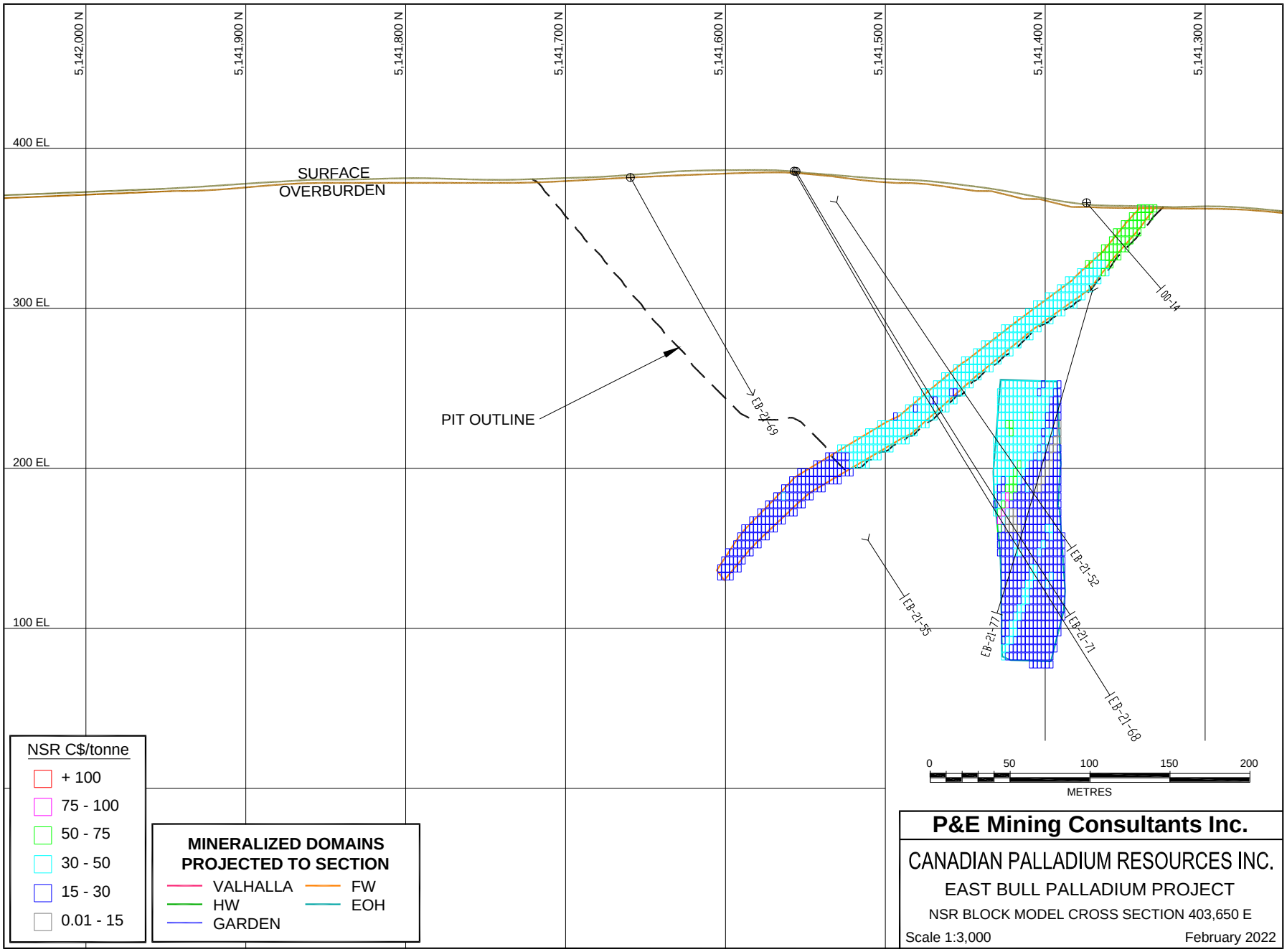

403,500 E
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL PLAN 350 EL
Scale 1:13,000
February 2022

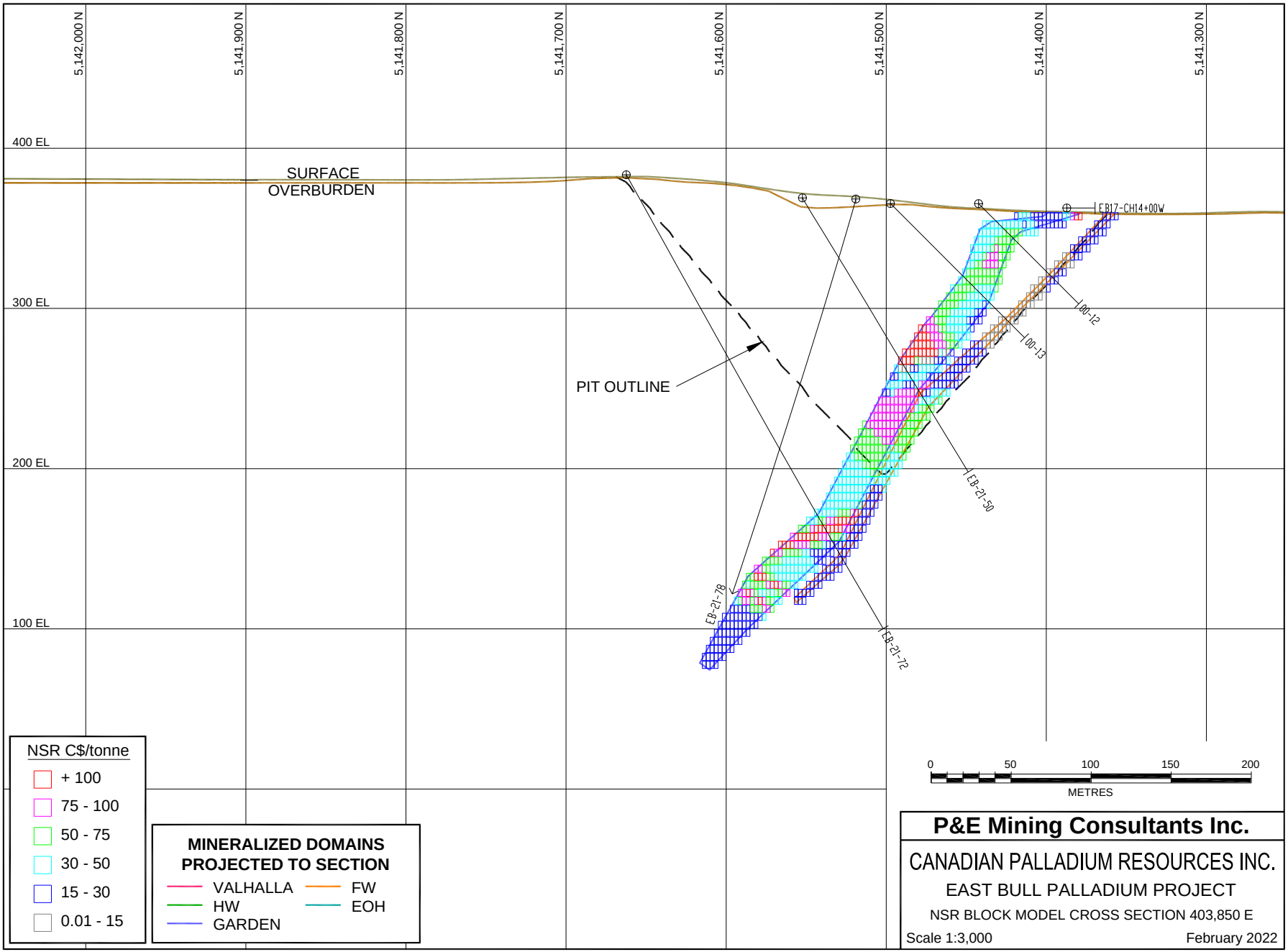

403,500 E
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL PLAN 300 EL
Scale 1:13,000
February 2022


403,500 E
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL PLAN 250 EL
Scale 1:13,000
February 2022


403,500 E
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
N
Pd g/t
+ 2.0
1.5 - 2.0
1.0 - 1.5
0.5 - 1.0
0.22 - 0.5
0.01 - 0.22
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
Pd BLOCK MODEL PLAN 200 EL
Scale 1:13,000
February 2022

APPENDIX F NSR BLOCK MODEL CROSS SECTIONS AND PLANS


5,142,000 N
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
SURFACE
OVERBURDEN
PIT OUTLINE
EB-21-69
00-14
EB-21-52
EB-21-55
EB-21-77
EB-21-71
EB-21-68
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
FW
HW
EOH
GARDEN
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL CROSS SECTION 403,650 E
Scale 1:3,000
February 2022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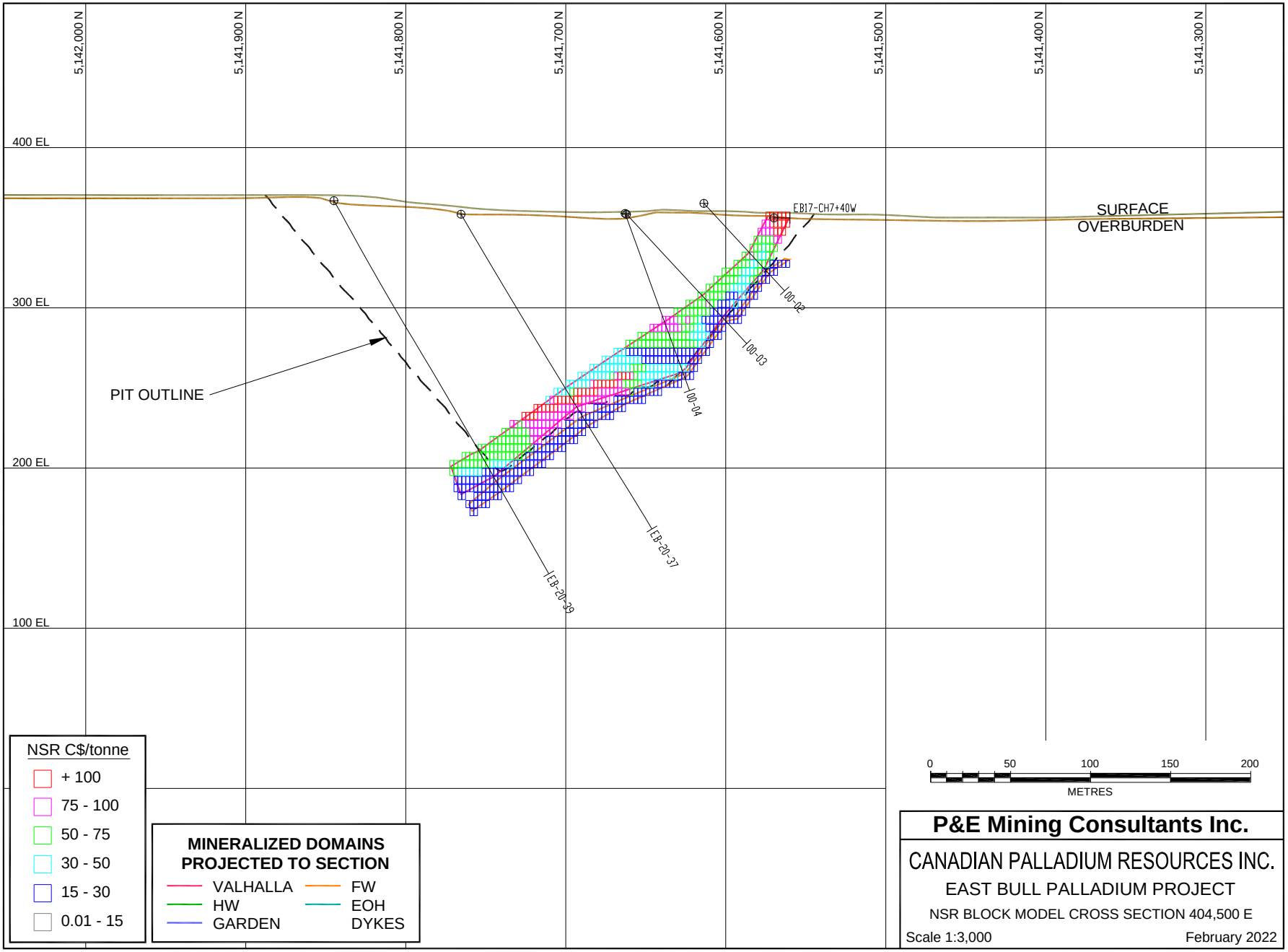
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
SURFACE
OVERBURDEN
PIT OUTLINE
EB17-CH14+00W
00-12
00-13
EB-21-50
EB-21-78
EB-21-72
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL CROSS SECTION 403,850 E
Scale 1:3,000
February 2022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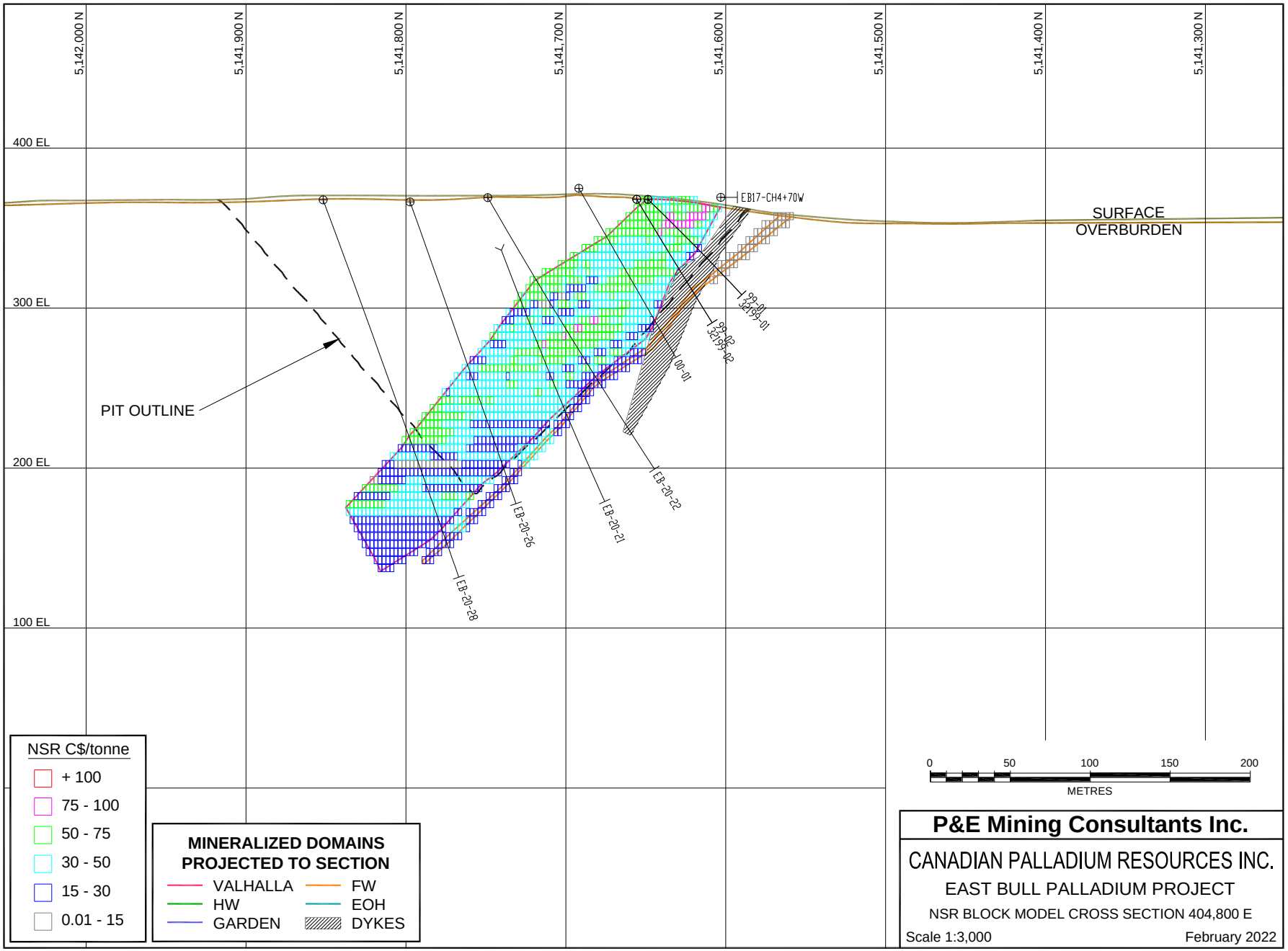
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
EB17-CH7+40W
SURFACE
OVERBURDEN
PIT OUTLINE
100-02
100-03
100-04
EB-20-37
EB-20-39
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL CROSS SECTION 404,500 E
Scale 1:3,000
February 2022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5,141,800 N
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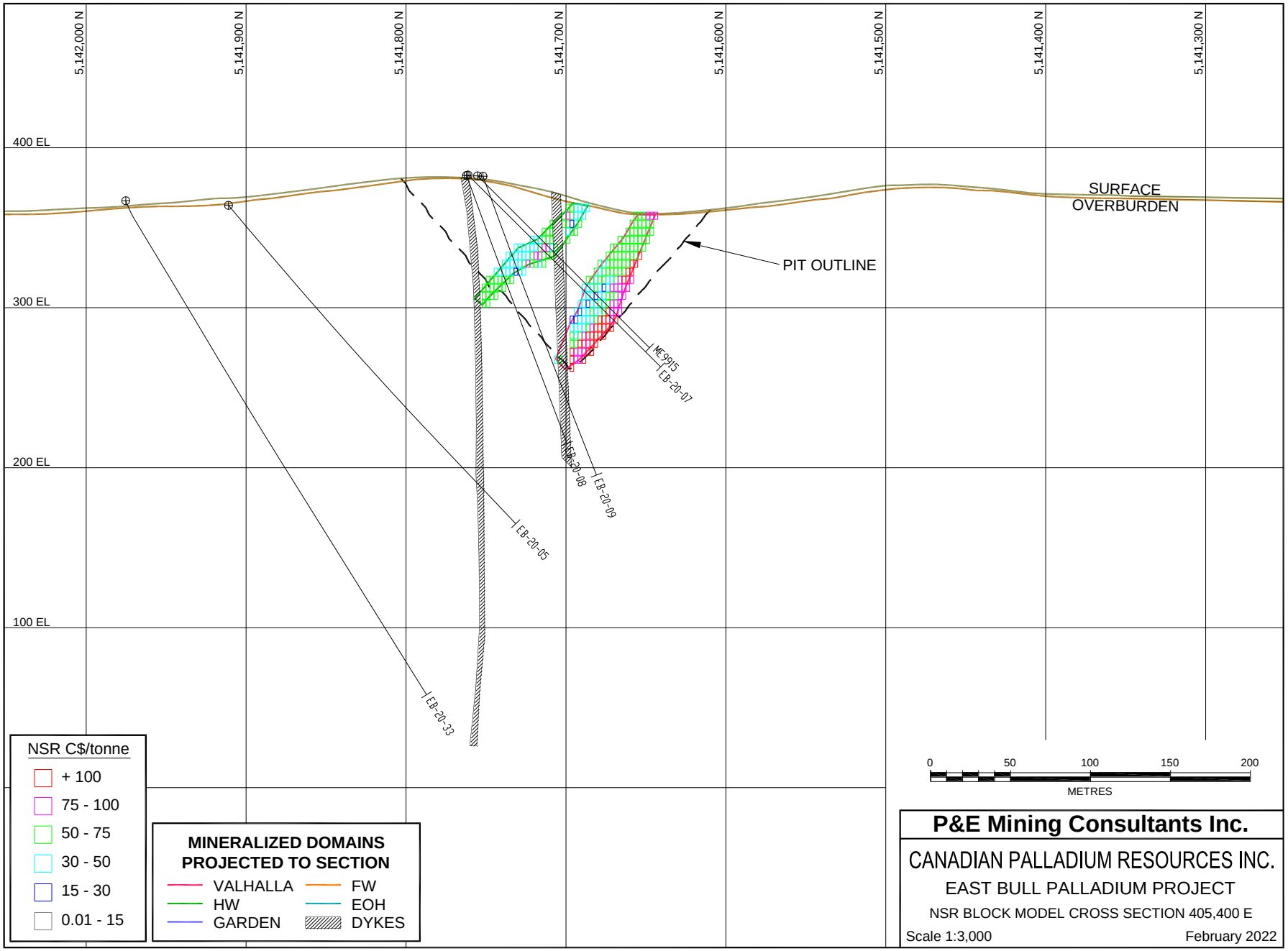
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
EB17-CH4+70W
SURFACE
OVERBURDEN
PIT OUTLINE
99-01
99-02
00-01
EB-20-22
EB-20-21
EB-20-26
EB-20-28
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL CROSS SECTION 404,800 E
Scale 1:3,000
February 2022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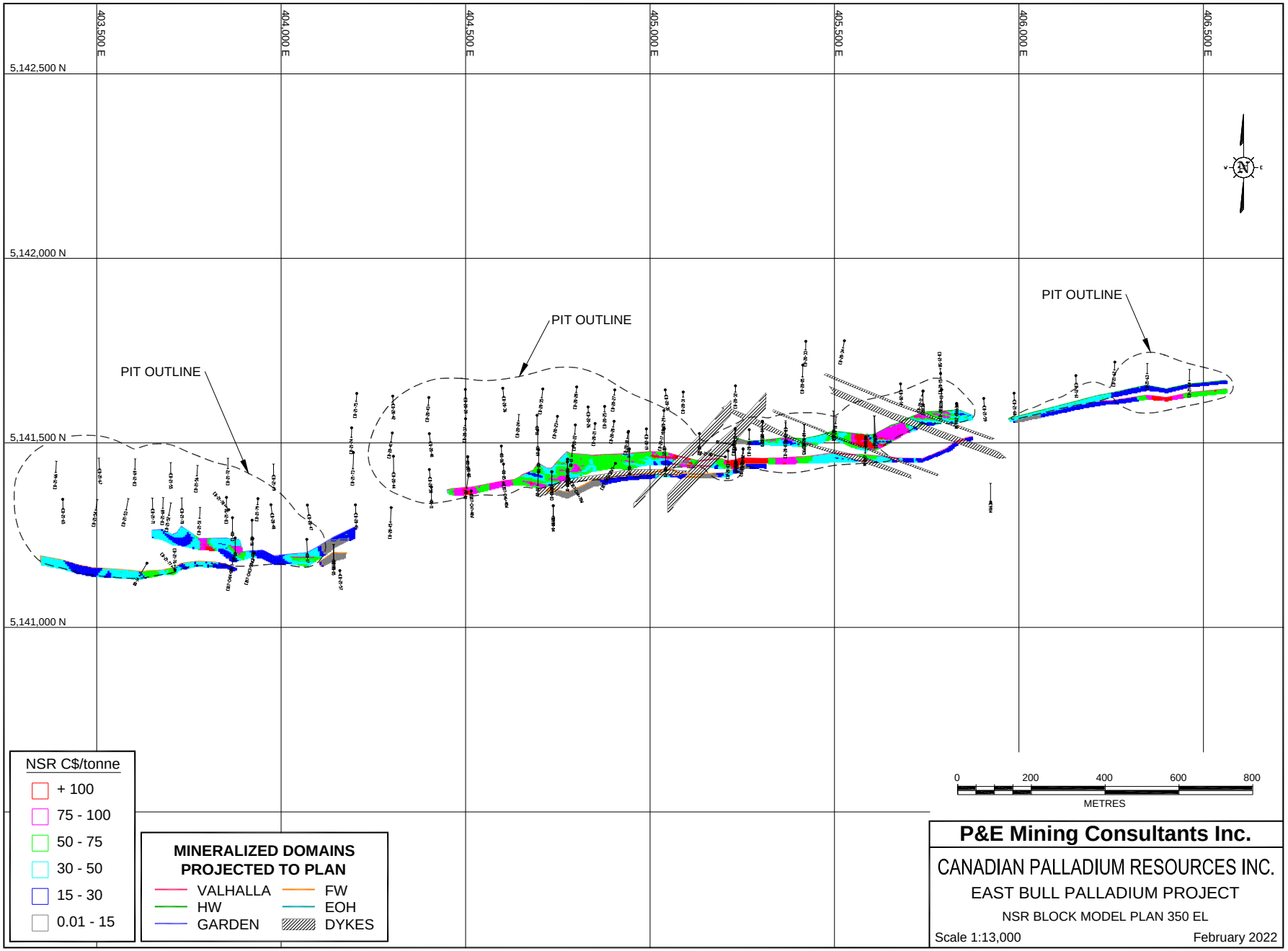
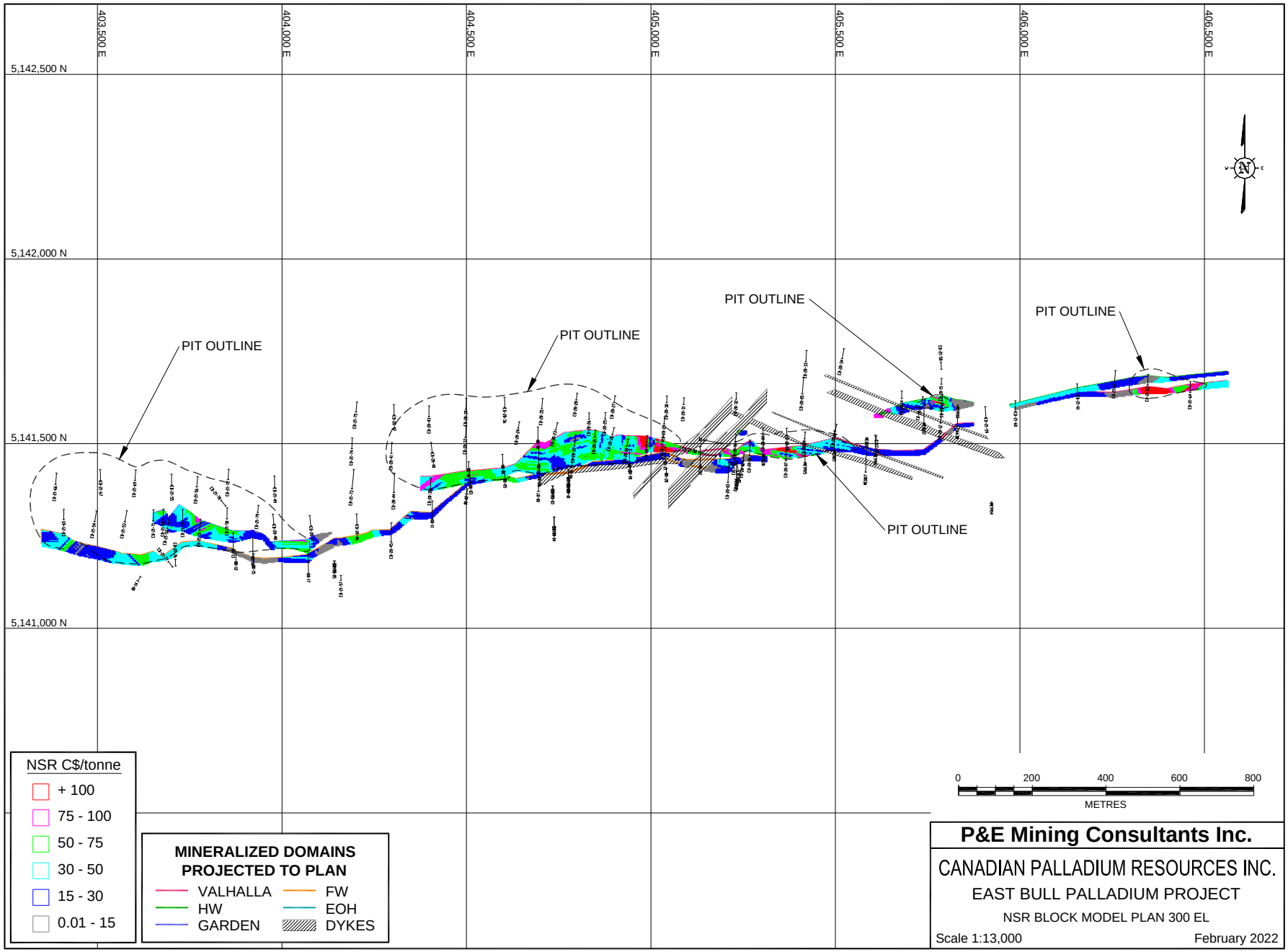
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
SURFACE
OVERBURDEN
PIT OUTLINE
MC9915
EB-20-07
EB-20-08
EB-20-09
EB-20-05
EB-20-33
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
50
100
150
200
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL CROSS SECTION 405,400 E
Scale 1:3,000
February 2022


403,500 E
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL PLAN 350 EL
Scale 1:13,000
February 2022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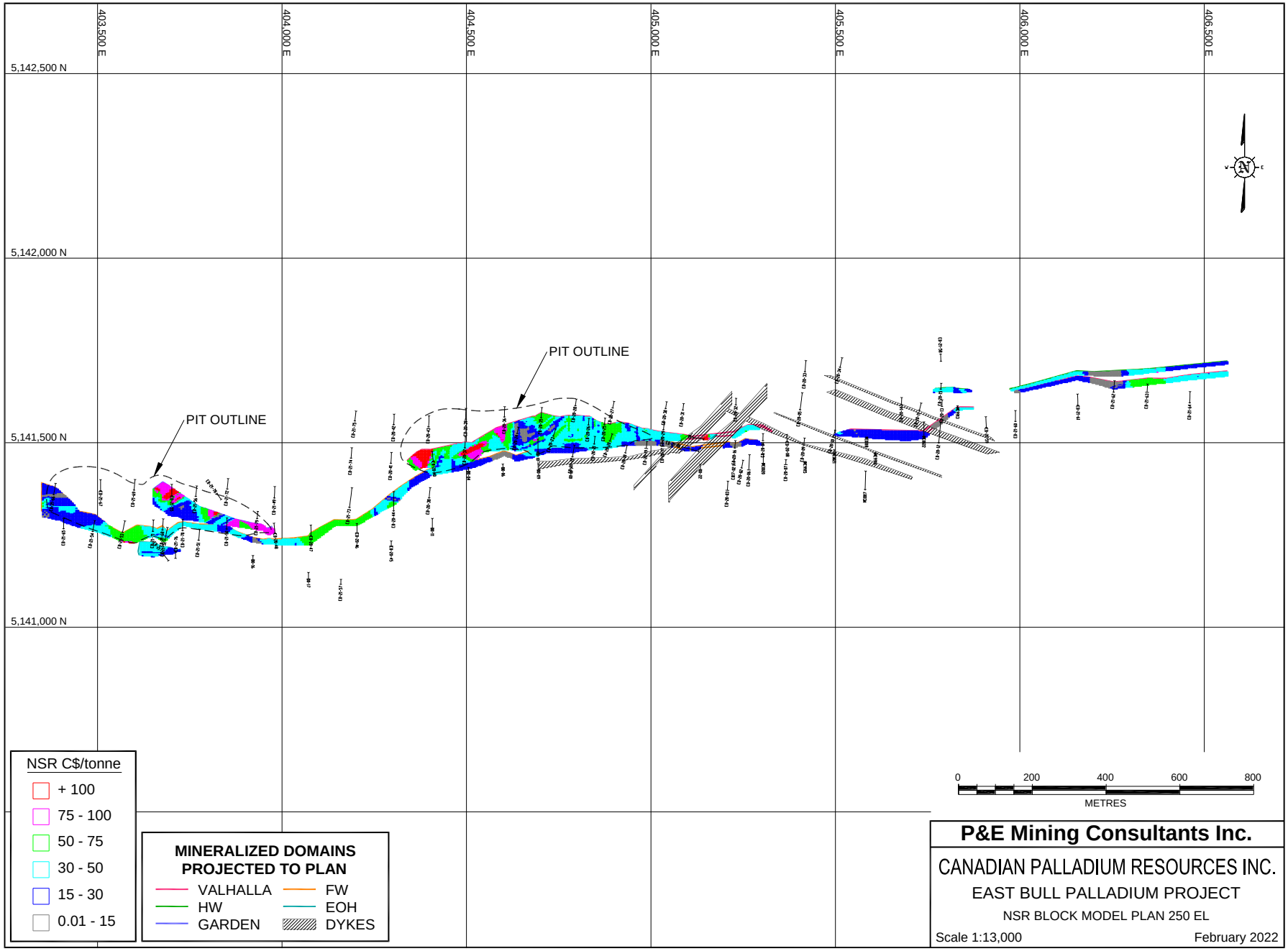
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL PLAN 300 EL
Scale 1:13,000
February 2022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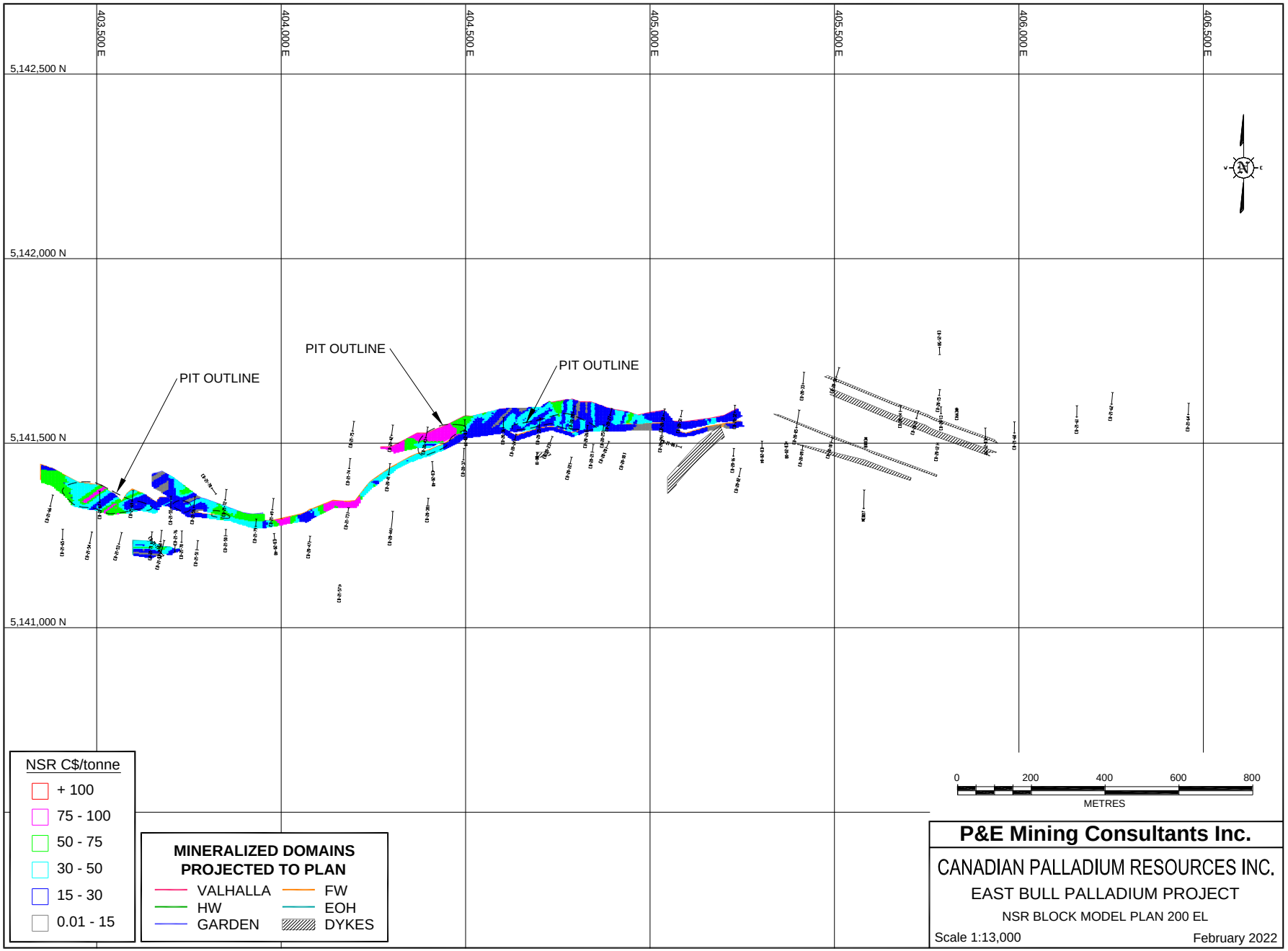
404,000 E
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
N
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL PLAN 250 EL
Scale 1:13,000
February 2022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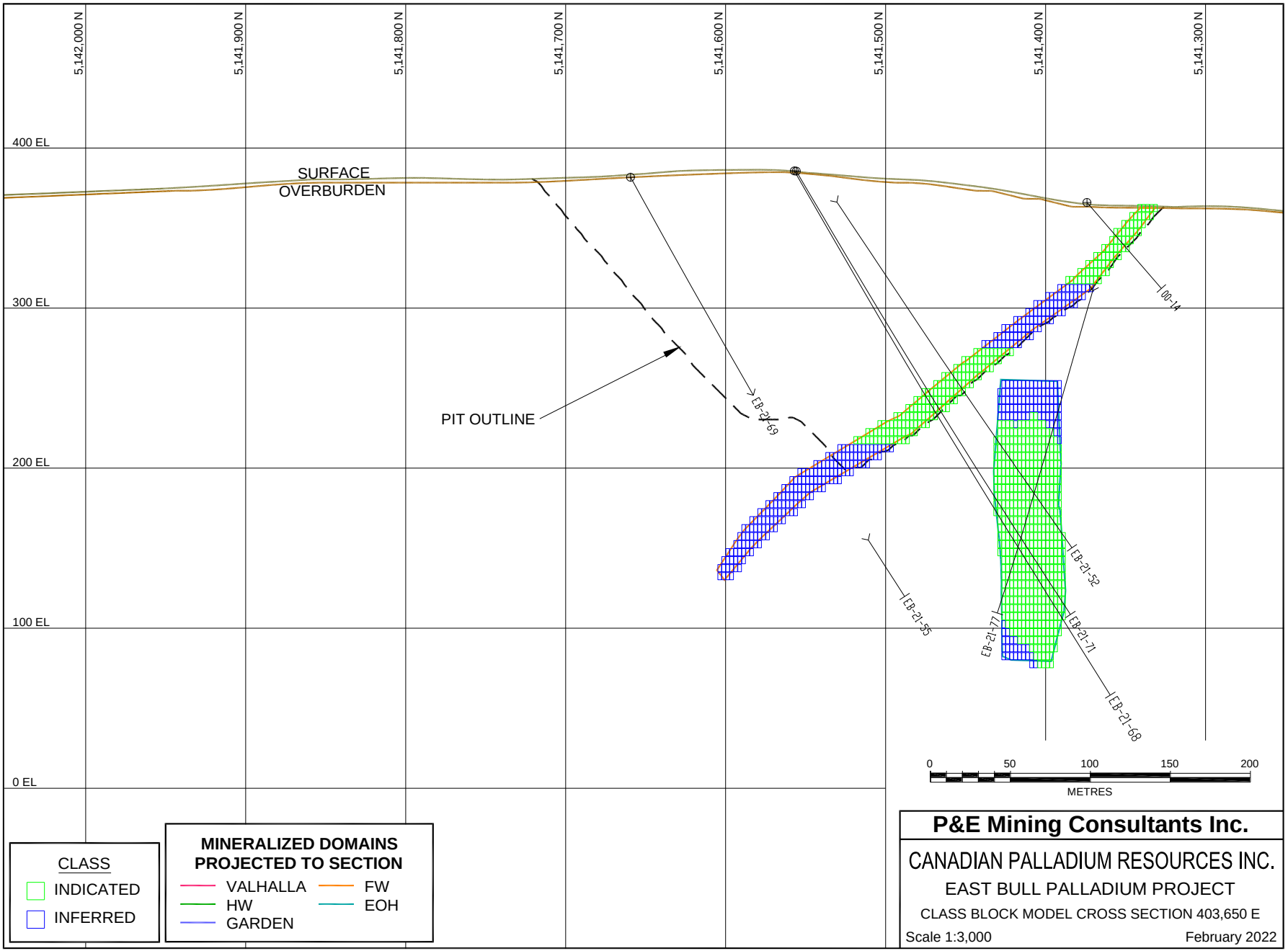
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
NSR C$/tonne
+ 100
75 - 100
50 - 75
30 - 50
15 - 30
0.01 - 15
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
0
200
400
600
800
METRES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
NSR BLOCK MODEL PLAN 200 EL
Scale 1:13,000
February 2022

APPENDIX G CLASSIFICATION BLOCK MODEL CROSS SECTIONS AND PLANS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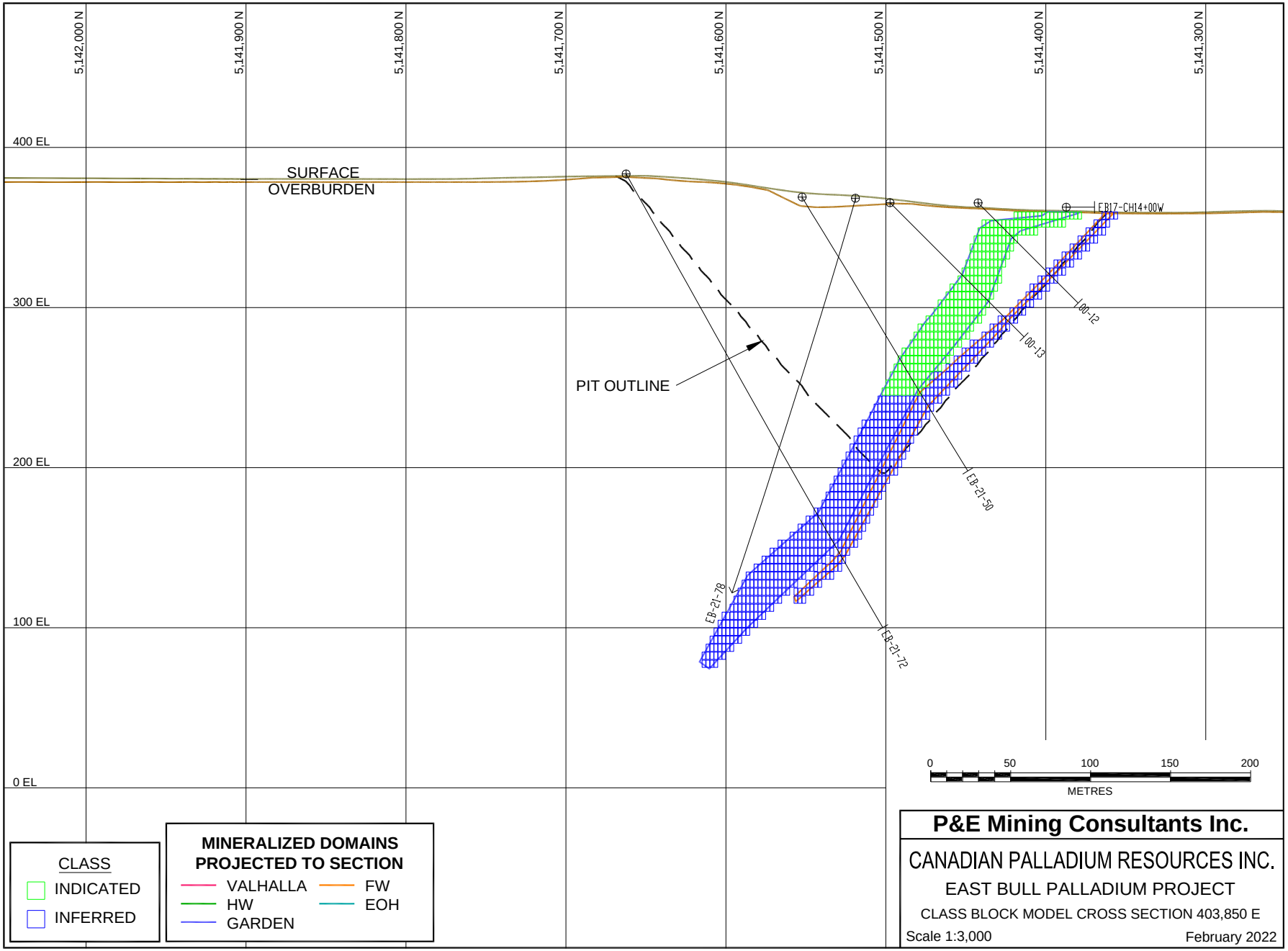
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
0 EL
SURFACE
OVERBURDEN
PIT OUTLINE
EB-21-69
00-14
EB-21-52
EB-21-55
EB-21-77
EB-21-71
EB-21-68
0
50
100
150
200
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL CROSS SECTION 403,650 E
Scale 1:3,000
February 2022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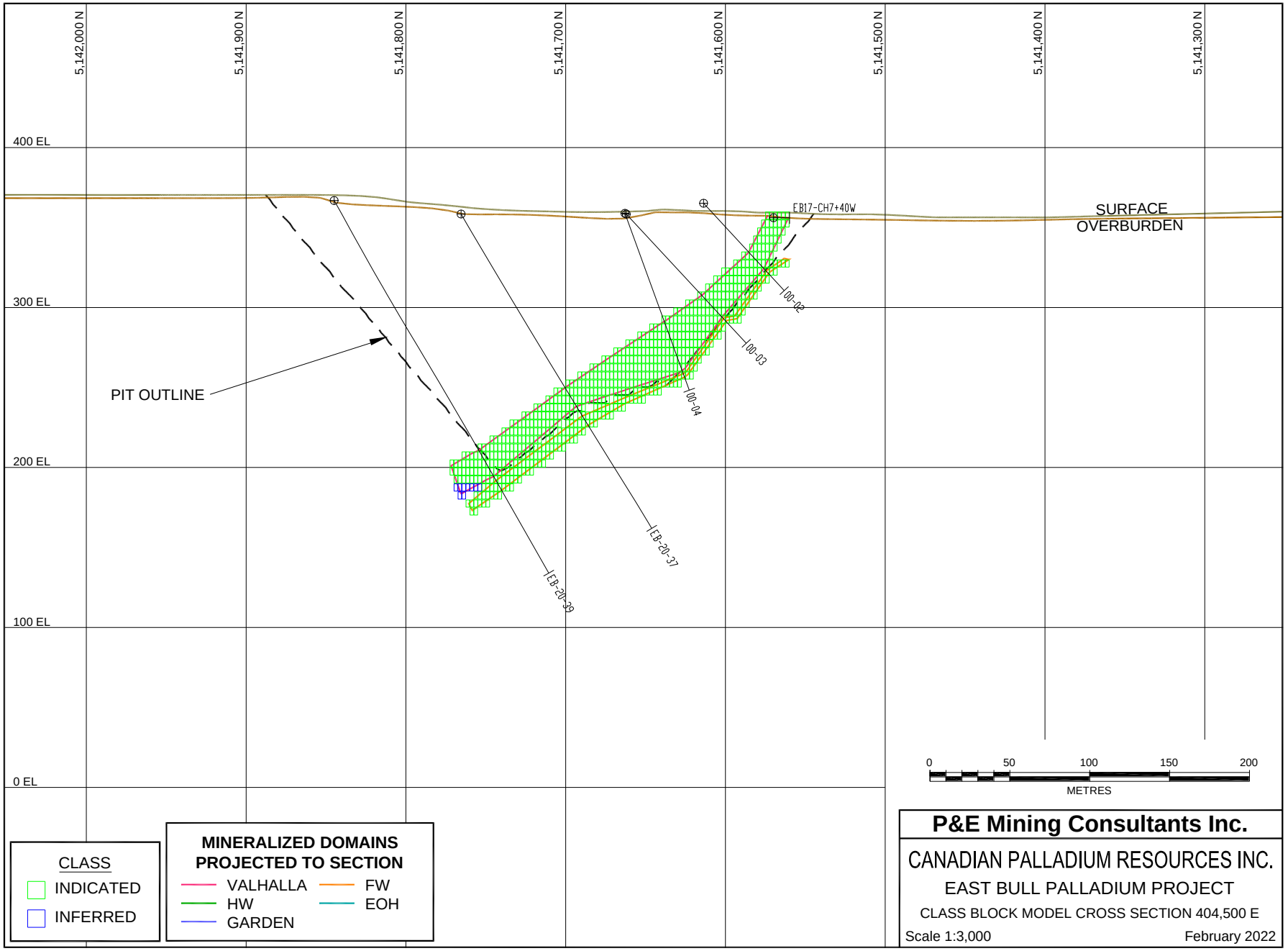
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
0 EL
SURFACE
OVERBURDEN
PIT OUTLINE
EB17-CH14+00W
EB-00-12
EB-00-13
EB-21-50
EB-21-78
EB-21-72
0
50
100
150
200
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL CROSS SECTION 403,850 E
Scale 1:3,000
February 2022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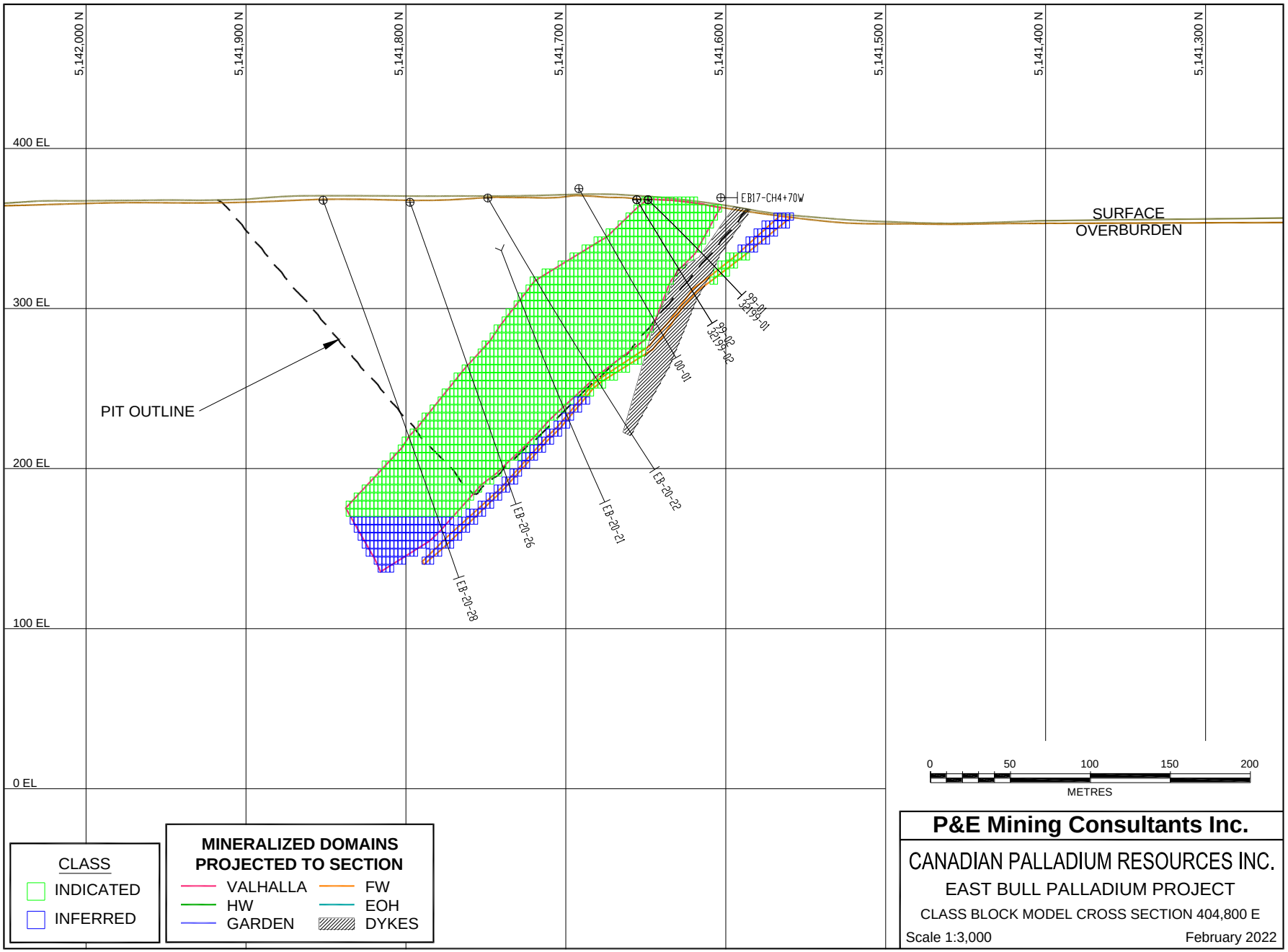
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
0 EL
EB17-CH7+40W
SURFACE
OVERBURDEN
PIT OUTLINE
100-02
100-03
100-04
EB-20-37
EB-20-39
0
50
100
150
200
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL CROSS SECTION 404,500 E
Scale 1:3,000
February 2022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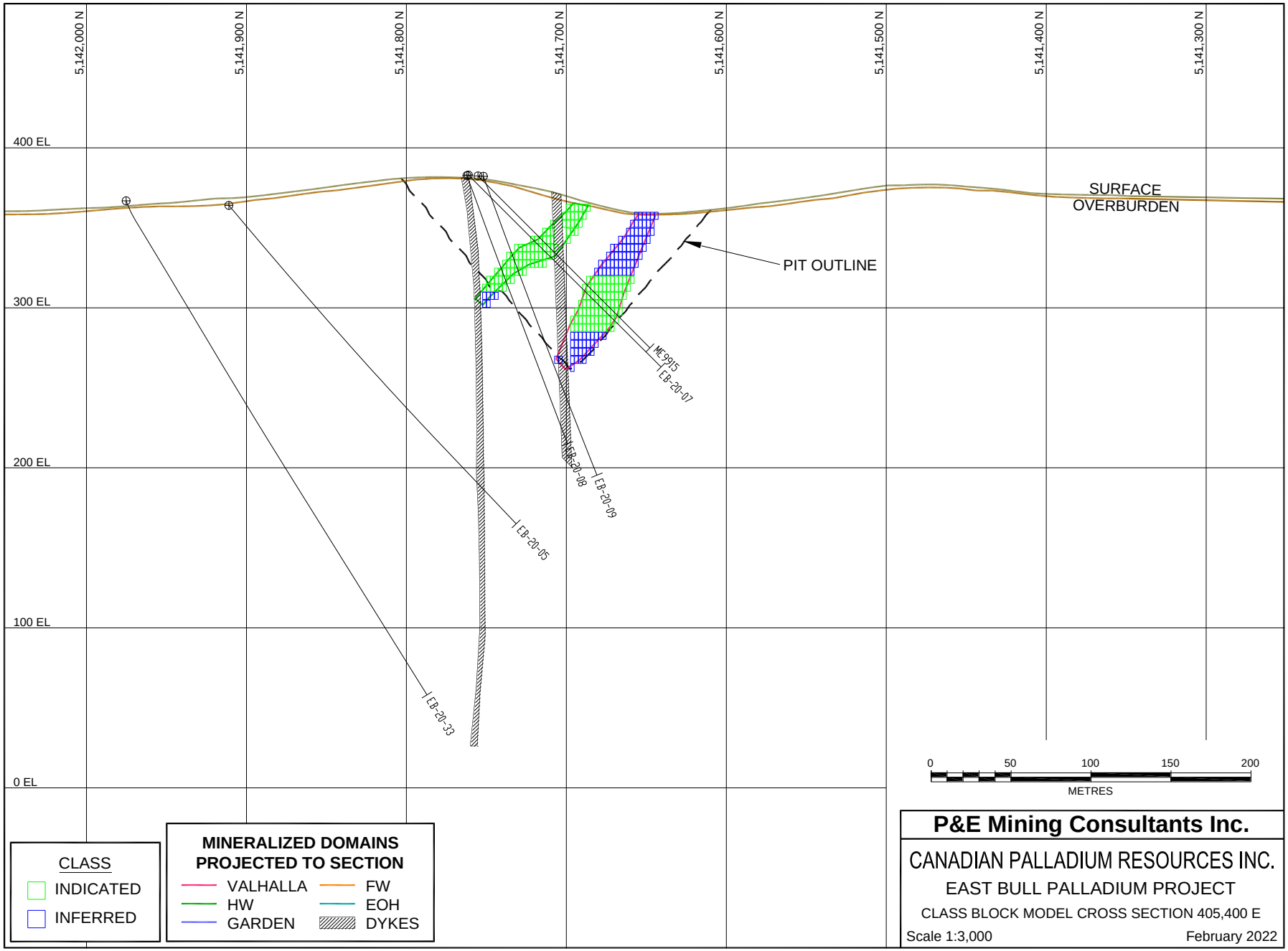
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
0 EL
EB17-CH4+70W
SURFACE
OVERBURDEN
PIT OUTLINE
99-01
32199-01
99-02
32199-02
00-01
EB-20-22
EB-20-21
EB-20-26
EB-20-28
0
50
100
150
200
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL CROSS SECTION 404,800 E
Scale 1:3,000
February 2022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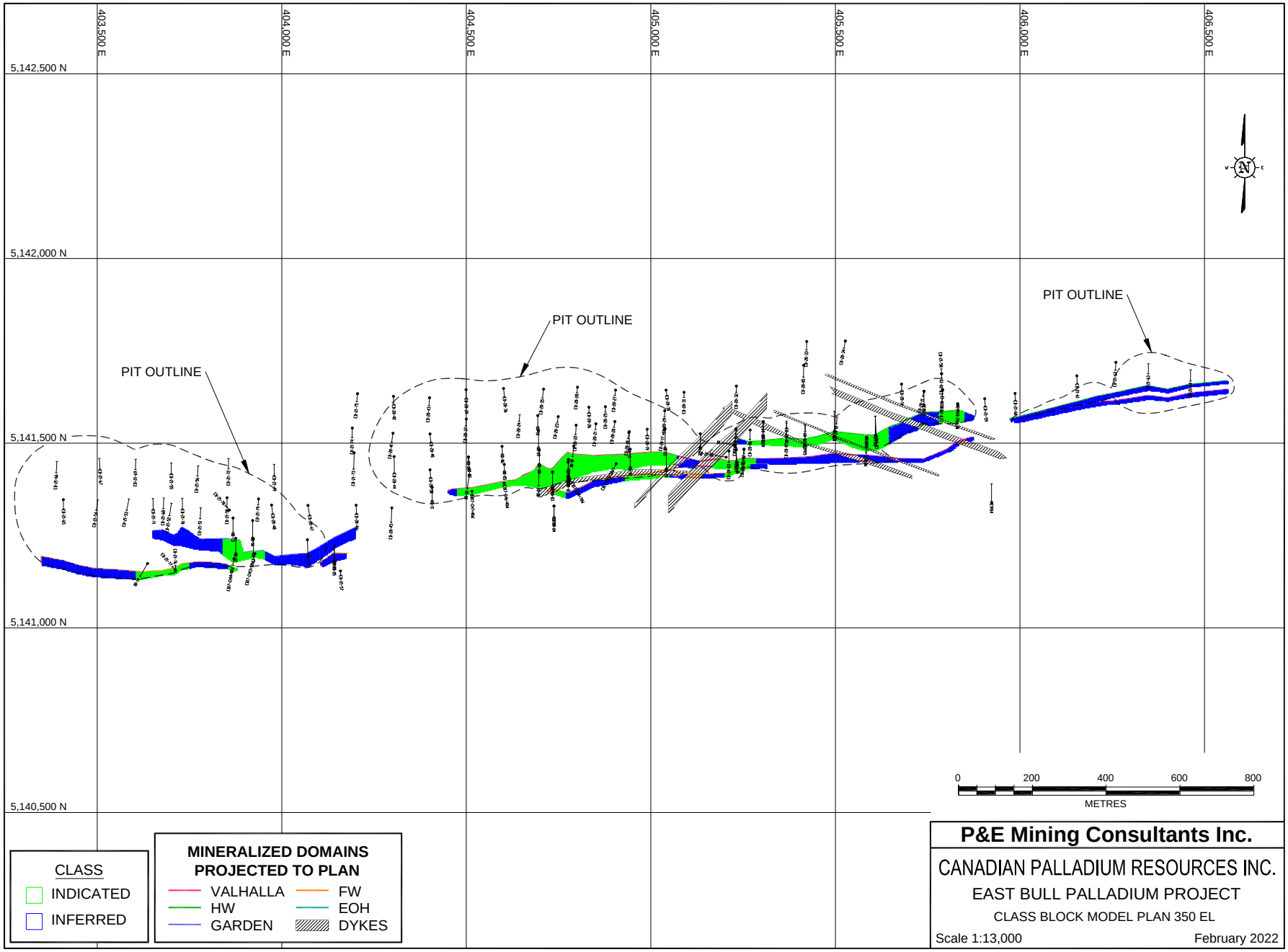
5,141,900 N
5,141,800 N
5,141,700 N
5,141,600 N
5,141,500 N
5,141,400 N
5,141,300 N
400 EL
300 EL
200 EL
100 EL
0 EL
SURFACE
OVERBURDEN
PIT OUTLINE
ME9915
EB-20-07
EB-20-08
EB-20-09
EB-20-05
EB-20-33
0
50
100
150
200
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO SECTION
VALHALLA
HW
GARDEN
FW
EOH
DYKES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL CROSS SECTION 405,400 E
Scale 1:3,000
February 2022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405,000 E
405,500 E
406,000 E
406,500 E
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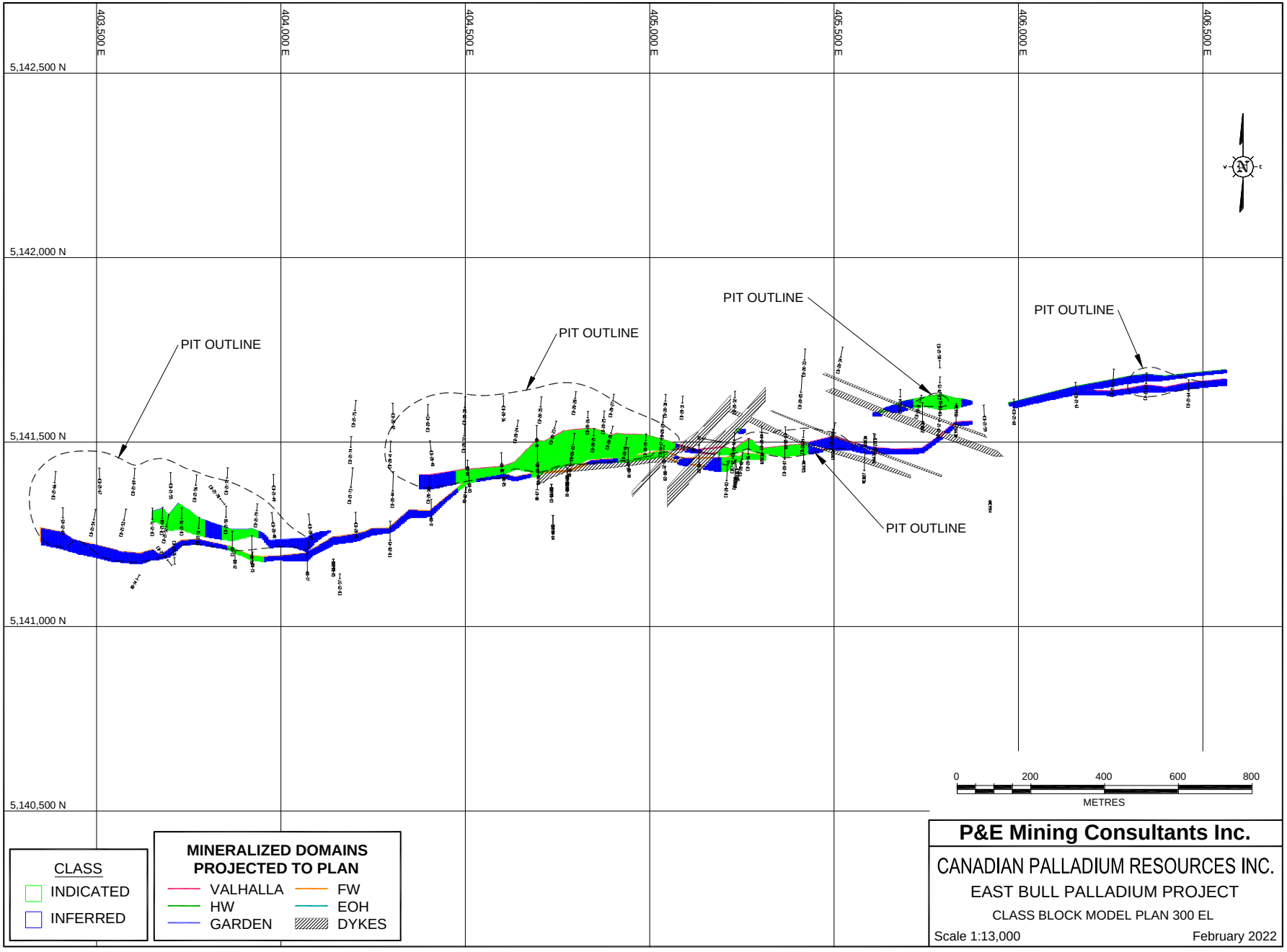
5,142,000 N
5,141,500 N
5,141,000 N
5,140,500 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
0
200
400
600
800
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL PLAN 350 EL
Scale 1:13,000
February 2022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404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
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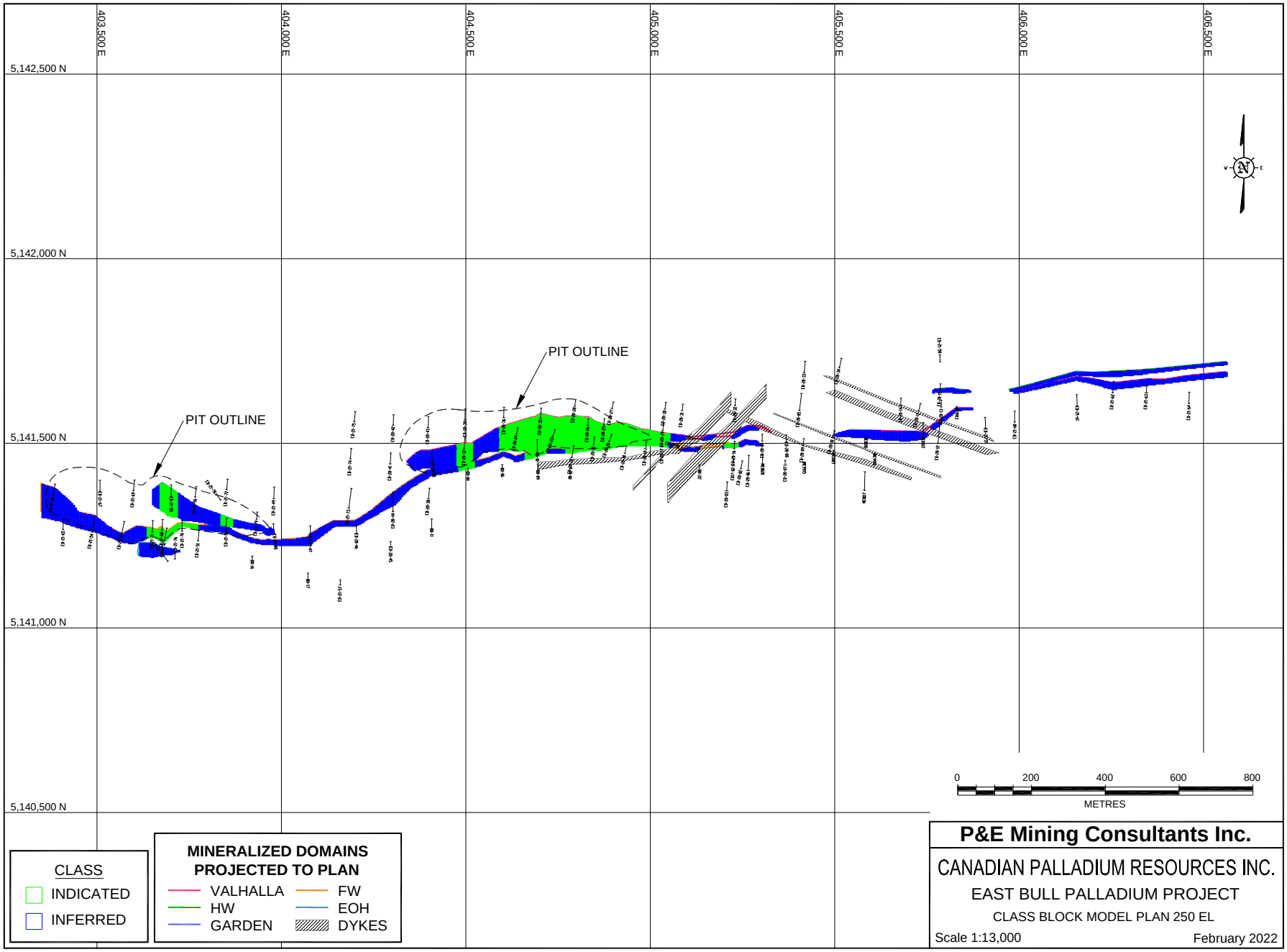
5,142,000 N
5,141,500 N
5,141,000 N
5,140,500 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
0
200
400
600
800
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL PLAN 300 EL
Scale 1:13,000
February 2022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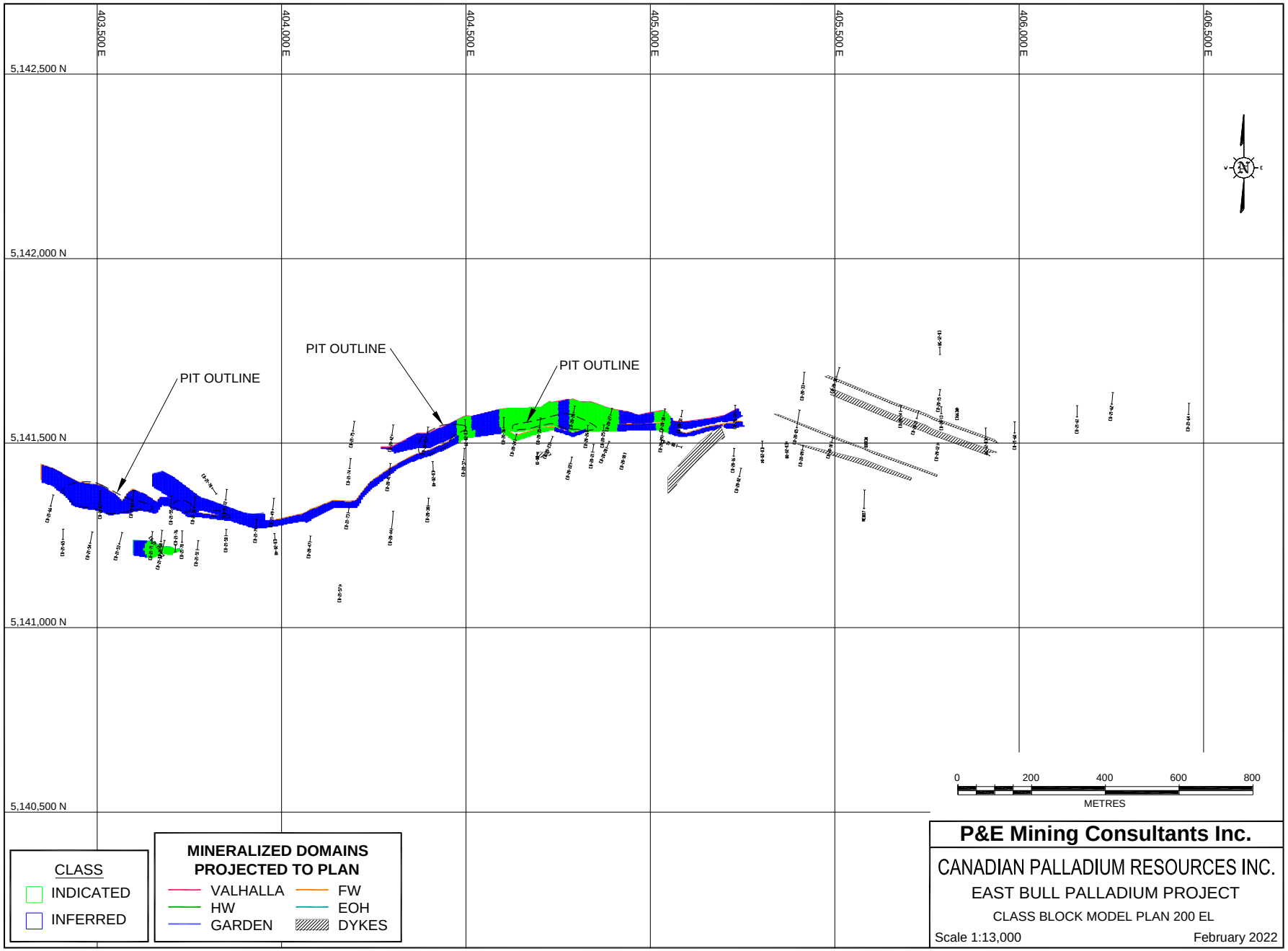
404,500 E
405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
5,142,000 N
5,141,500 N
5,141,000 N
5,140,500 N
PIT OUTLINE
PIT OUTLINE
N
0
200
400
600
800
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL PLAN 250 EL
Scale 1:13,000
February 2022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405,000 E
405,500 E
406,000 E
406,500 E
5,142,500 N
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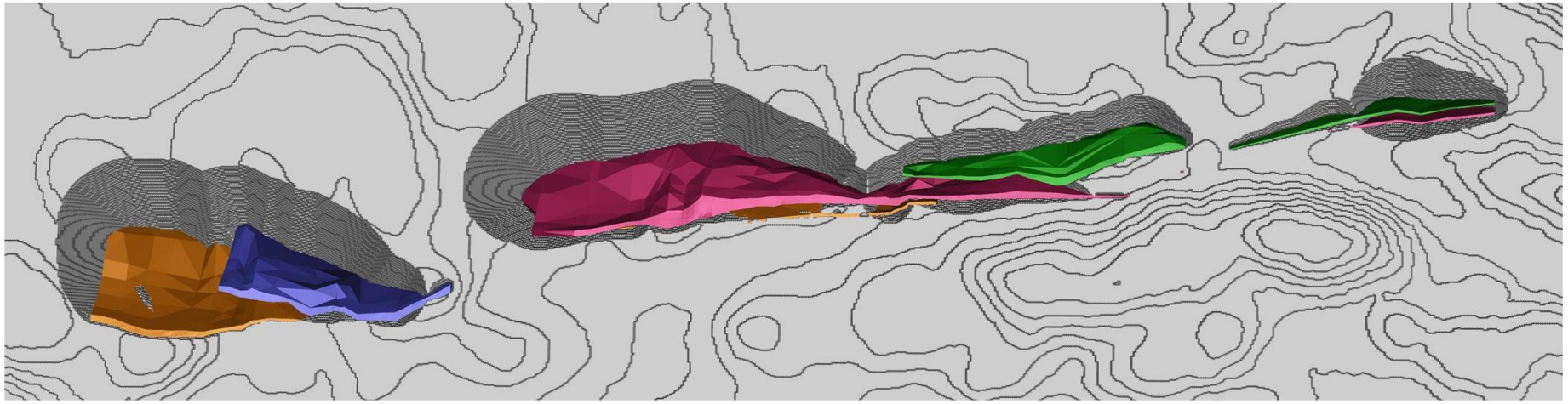
5,141,500 N
5,141,000 N
5,140,500 N
PIT OUTLINE
PIT OUTLINE
PIT OUTLINE
0
200
400
600
800
METRES
CLASS
INDICATED
INFERRED
MINERALIZED DOMAINS
PROJECTED TO PLAN
VALHALLA
HW
GARDEN
FW
EOH
DYKES
P&E Mining Consultants Inc.
CANADIAN PALLADIUM RESOURCES INC.
EAST BULL PALLADIUM PROJECT
CLASS BLOCK MODEL PLAN 200 EL
Scale 1:13,000
February 2022

APPENDIX H OPTIMIZED PIT SHELLS

EAST BULL PALLADIUM PROJECT
OPTIMIZED PIT SHELLS



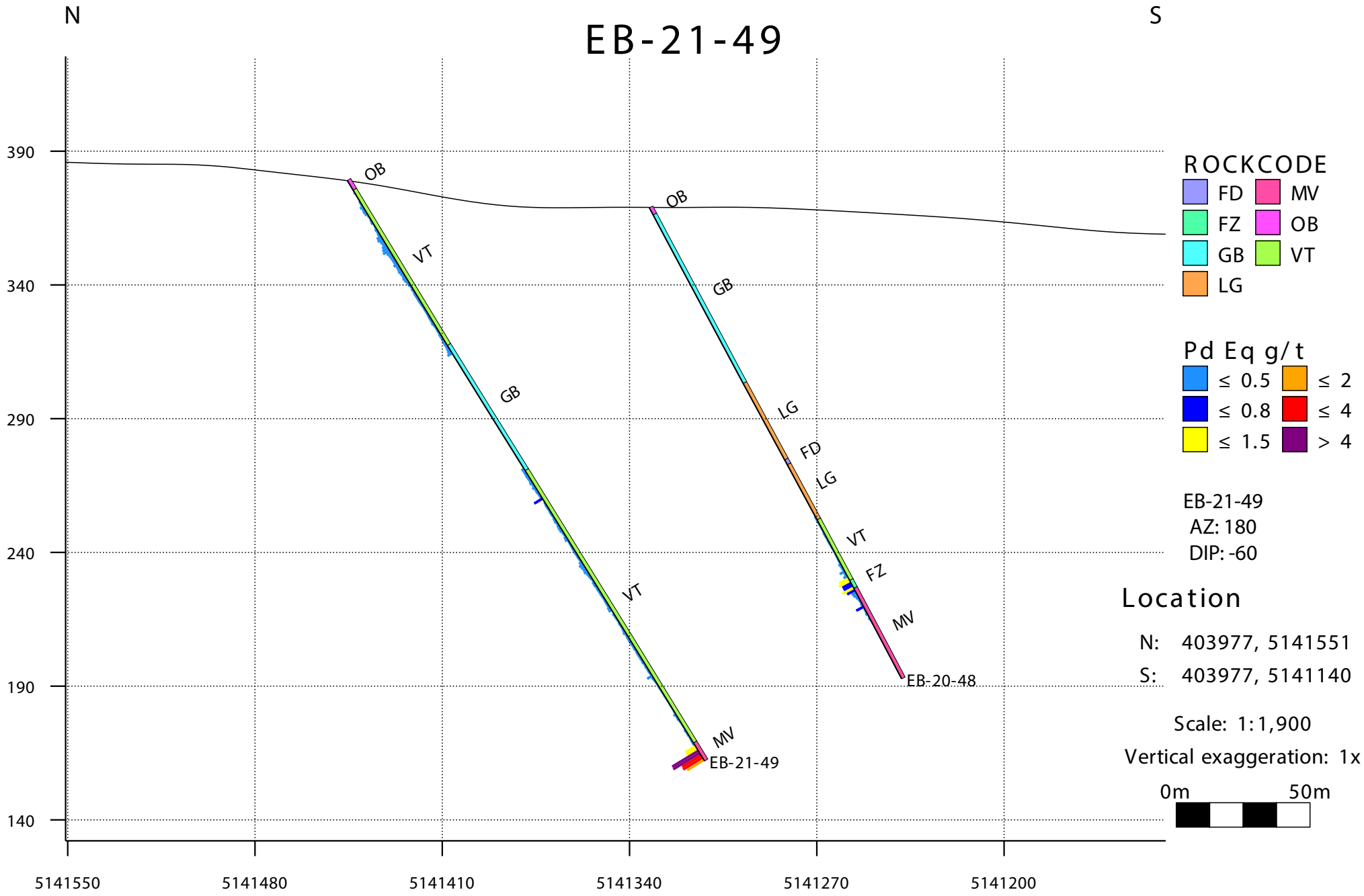
DOMAINS

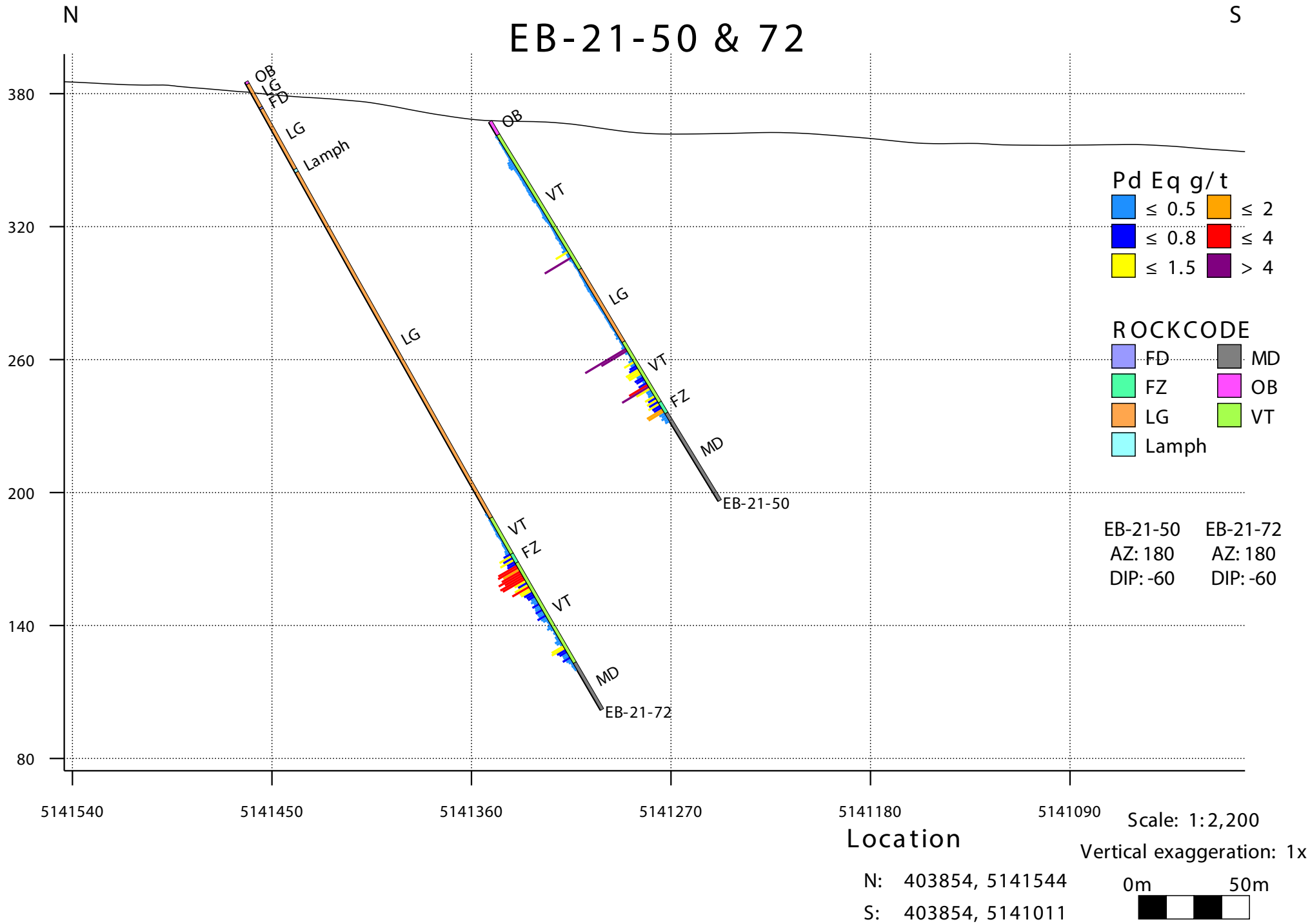
- VALHALLA
- HW
- GARDEN
- FW
- EOH - HIDDEN

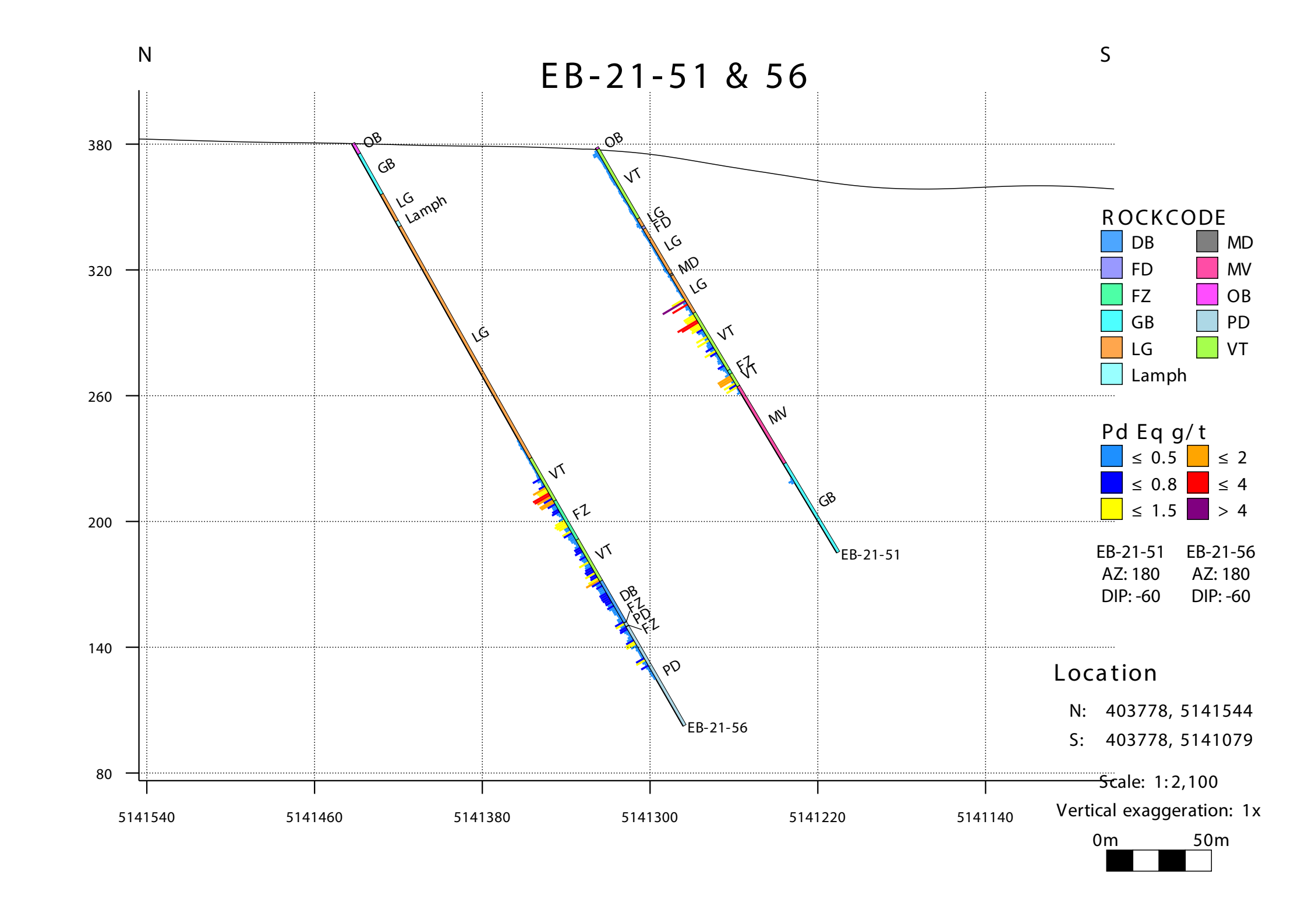
APPENDIX I

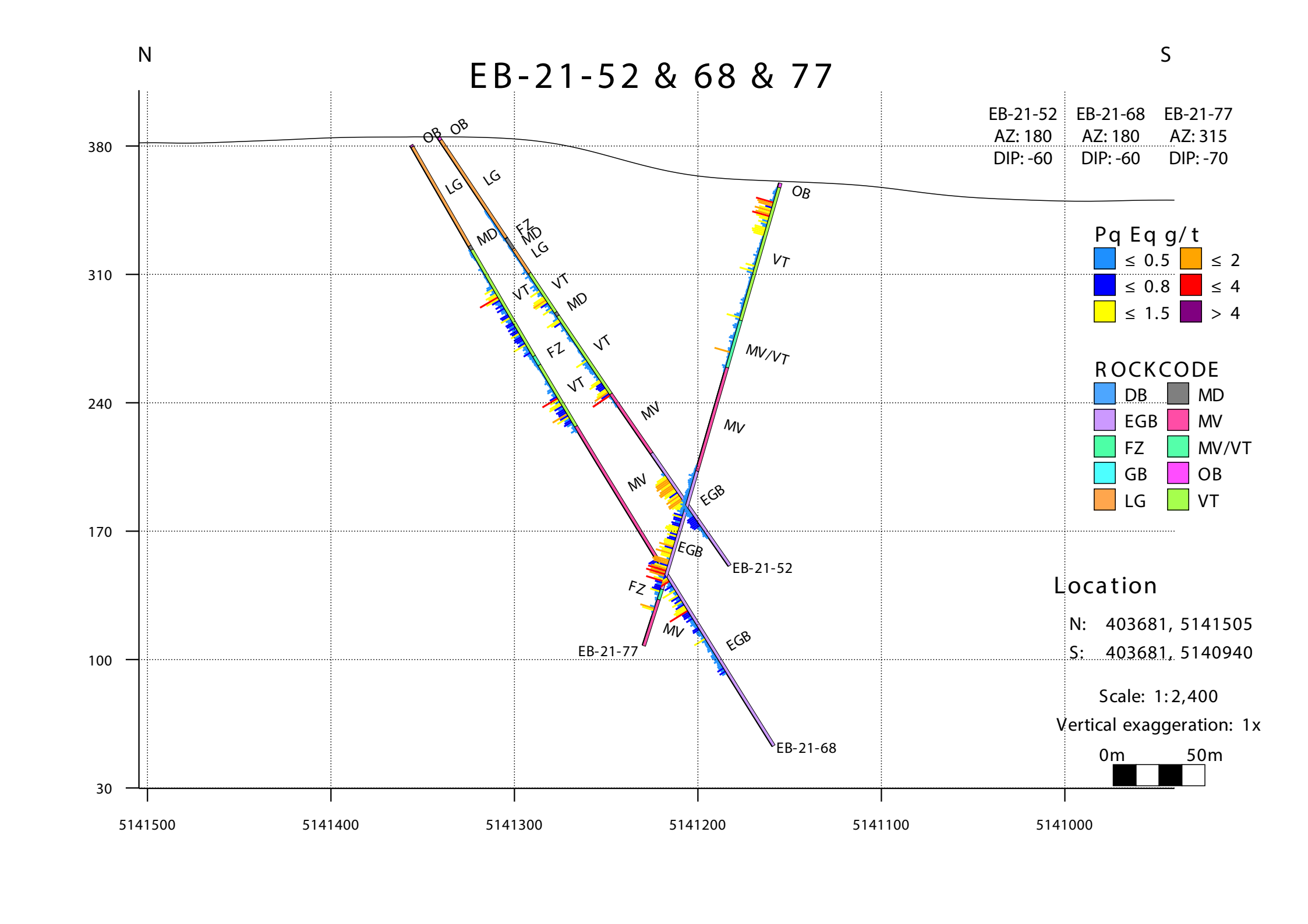
DDH Cross-Sections
DDH Logs
Drilling Assay Certificates

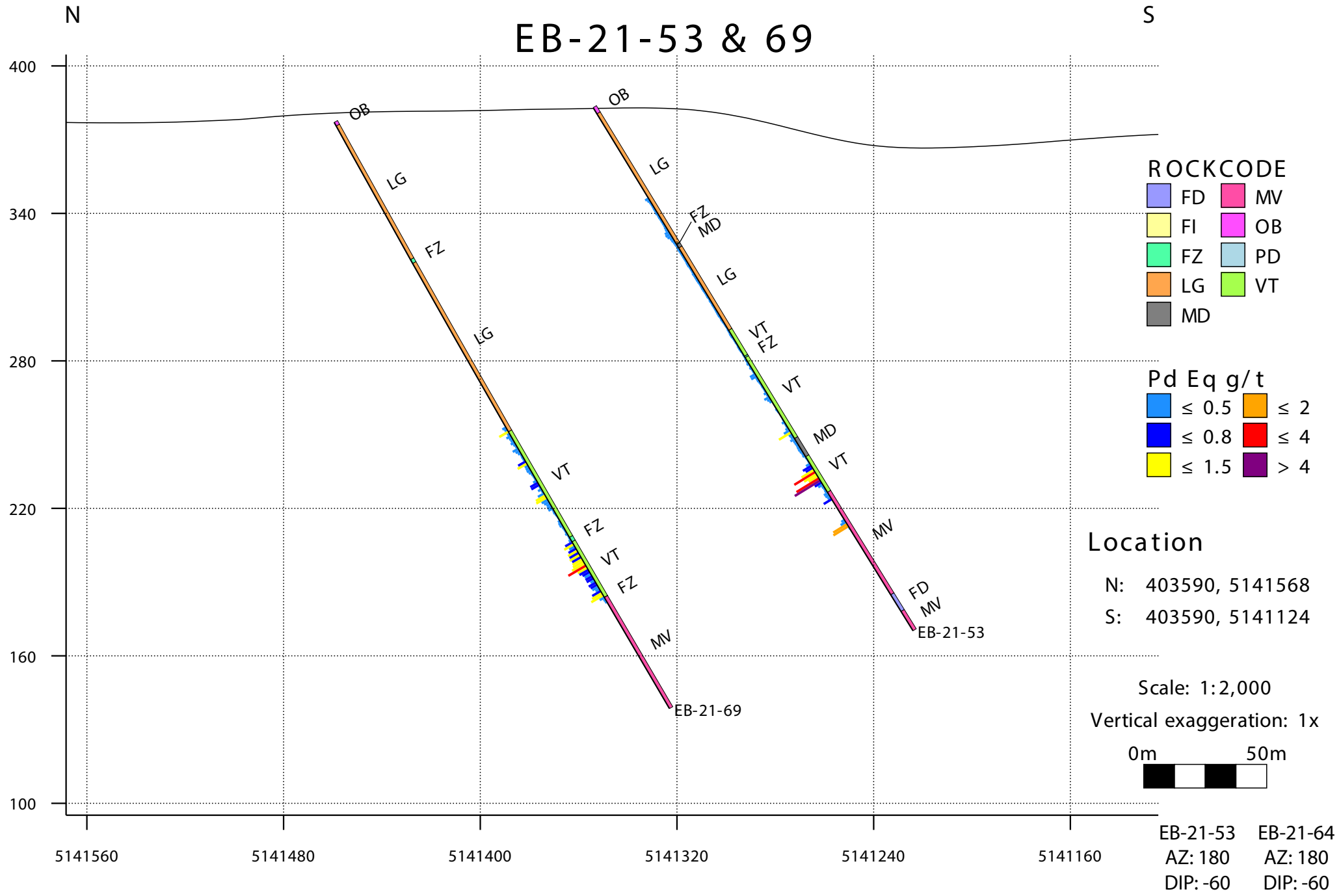
HOLE-ID	UTM_E	UTM_N	Elevation	LENGTH	AZIMUTH	DIP	YEAR	No. Assays	CORE-SIZE	Date_Start (YY/MM/DD)	Date_Complete(YY/MM/DD)	Collar Claim ID	Provincial Cell Grid ID
EB-21-49	403979	5141446	376	255	180	-60	2021	223	NQ	2021-01-16	2021-01-20	180067	41J08J381
EB-21-50	403852	5141352	367	200	180	-60	2021	167	NQ	2021-01-26	2021-01-28	186833	41J08K400
EB-21-51	403780	5141326	378	225	180	-60	2021	153	NQ	2021-01-28	2021-01-31	186833	41J08K400
EB-21-52	403702	5141342	384	284	180	-60	2021	193	NQ	2021-02-01	2021-02-03	186833	41J08K400
EB-21-53	403587	5141354	383	251	180	-60	2021	166	NQ	2021-02-04	2021-02-08	186833	41J08K400
EB-21-54	403502	5141351	380	251	180	-60	2021	115	NQ	2021-02-26	2021-03-06	186833	41J08K400
EB-21-55	403701	5141451	382	311	180	-60	2021	99	NQ	2021-03-07	2021-03-14	186833	41J08K400
EB-21-56	403774	5141442	380	320	180	-60	2021	146	NQ	2021-03-16	2021-03-21	186833	41J08K400
EB-21-57	404159	5141154	370	161	180	-75	2021	30	NQ	2021-03-21	2021-03-23	180067	41J08J381
EB-21-58	405790	5141691	360	251	0	-70	2021	36	NQ	2021-04-16	2021-04-18	125378	41J08J364
EB-21-59	405905	5141620	357	251	180	-60	2021	36	NQ	2021-04-22	2021-04-22	180067	41J08J381
EB-21-60	405987	5141635	359	251	180	-60	2021	49	NQ	2021-04-25	2021-04-27	180067	41J08J381
EB-21-61	406154	5141682	360	302	180	-60	2021	70	NQ	2021-04-27	2021-04-30	180067	41J08J381
EB-21-62	406260	5141719	363	302	180	-60	2021	84	NQ	2021-04-30	2021-05-04	180067	41J08J381
EB-21-63	406348	5141716	378	161	180	-60	2021	89	NQ	2021-05-05	2021-05-07	180067	41J08J381
EB-21-64	406462	5141703	382	251	180	-60	2021	60	NQ	2021-05-07	2021-05-10	292705	41J08J366
EB-21-65	403408	5141347	374	248	180	-60	2021	80	NQ	2021-06-05	2021-06-08	341594	41J08K399
EB-21-66	403391	5141455	385	317	180	-60	2021	85	NQ	2021-06-08	2021-06-11	341594	41J08K399
EB-21-67	403506	5141460	379	275	180	-60	2021	108	NQ	2021-06-12	2021-06-15	186833	41J08K400
EB-21-68	403681	5141357	380	383	180	-60	2021	211	NQ	2021-06-15	2021-06-18	186833	41J08K400
EB-21-69	403604	5141459	377	275	180	-60	2021	92	NQ	2021-06-18	2021-06-20	186833	41J08K400
EB-21-70	403730	5141355	380	305	180	-60	2021	111	NQ	2021-06-20	2021-06-22	186833	41J08K400
EB-21-71	403651	5141356	380	326	180	-60	2021	152	NQ	2021-06-22	2021-06-24	186833	41J08K400
EB-21-72	403856	5141462	385	326	180	-60	2021	90	NQ	2021-06-25	2021-06-27	186833	41J08K400
EB-21-73	404196	5141474	368	227	180	-45	2021	69	NQ	2021-08-26	2021-08-27	186833	41J08K400
EB-21-74	404191	5141541	368	281	180	-60	2021	53	NQ	2021-08-28	2021-08-30	186833	41J08K400
EB-21-75	404205	5141634	365	300	180	-60	2021	0	NQ	2021-08-31	2021-09-02	186833	41J08K400
EB-21-76	403712	5141156	360	251	360	-70	2021	140	NQ	2021-09-03	2021-09-05	186833	41J08K400
EB-21-77	403712	5141156	360	269	315	-70	2021	216	NQ	2021-09-05	2021-09-06	186833	41J08K400
EB-21-78	403858	5141319	366	338	315	-70	2021	90	NQ	2021-09-07	2021-09-10	186833	41J08K400
EB-21-79	403937	5141349	367	272	180	-70	2021	100	NQ	2021-09-10	2021-09-13	186833	41J08K400
EB-21-80	405204	5141462	352.5	200	280	-45	2021	108	NQ	2021-09-16	2021-09-18	319526	41J08J383
EB-21-81	405207	5141492	354	161.6	280	-45	2021	62	NQ	2021-10-23	2021-10-24	319526	41J08J383
EB-21-81a	405207	5141492	354	144	280	-45	2021	43	NQ	2021-10-08	2021-10-10	319526	41J08J383
EB-21-82	405864	5141674	357.7	251	180	-45	2021	31	NQ	2021-10-14	2021-10-16	136879	41J08J365
EB-21-83	406358	5141836	366	242	180	-60	2021	60	NQ	2021-10-17	2021-10-19	292705	41J08J366
EB-21-84	406460	5141819	371	251	180	-60	2021	109	NQ	2021-10-19	2021-10-21	292705	41J08J366

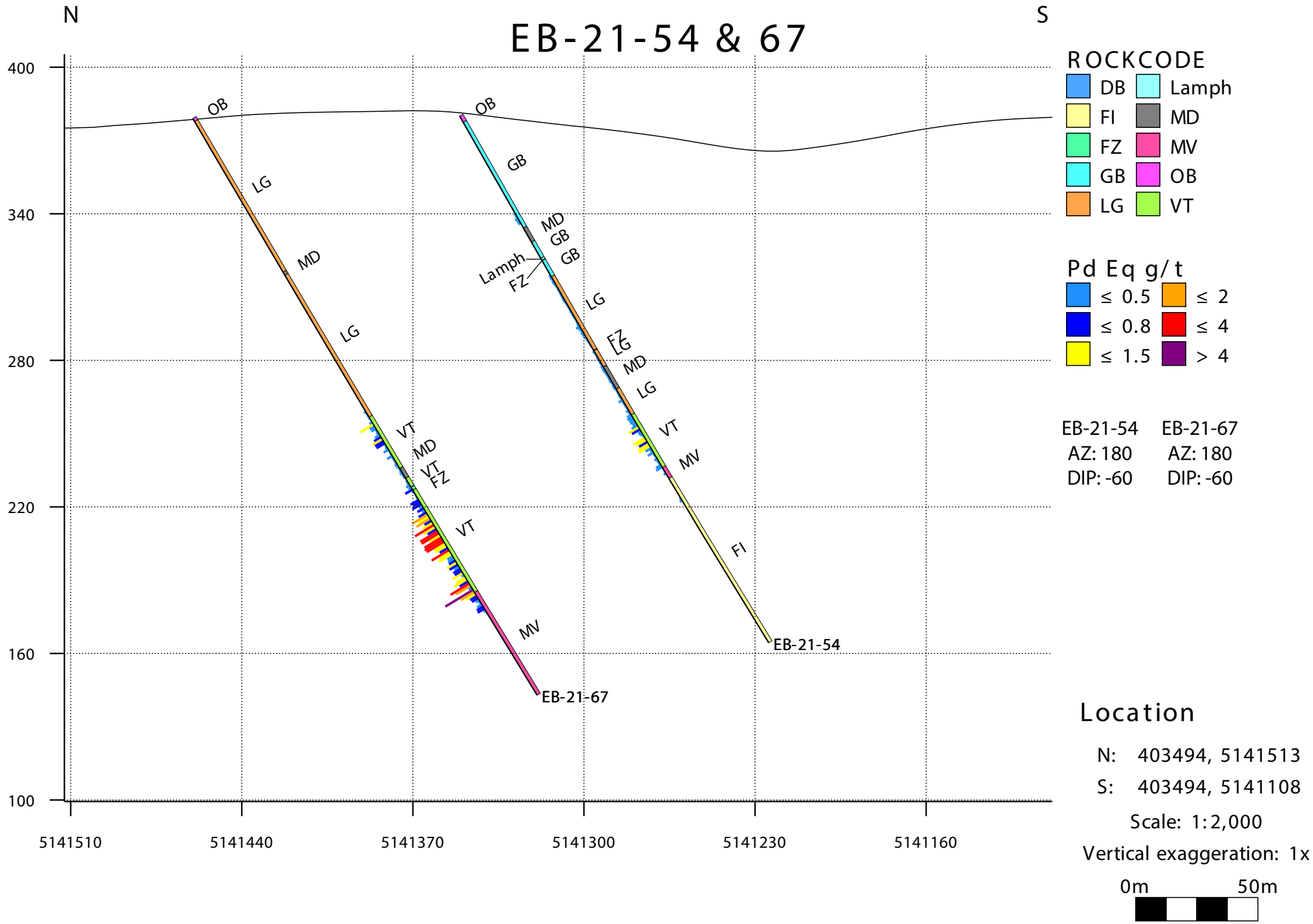

N
S
EB-21-49
390
340
290
240
190
140
5141550
5141480
5141410
5141340
5141270
5141200
OB
VT
GB
VT
MV
EB-21-49
OB
GB
LG
FD
LG
VT
FZ
MV
EB-20-48
ROCKCODE
FD
MV
FZ
OB
GB
VT
LG
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
EB-21-49
AZ: 180
DIP: -60
Location
N: 403977, 5141551
S: 403977, 5141140
Scale: 1:1,900
Vertical exaggeration: 1x
0m
50m

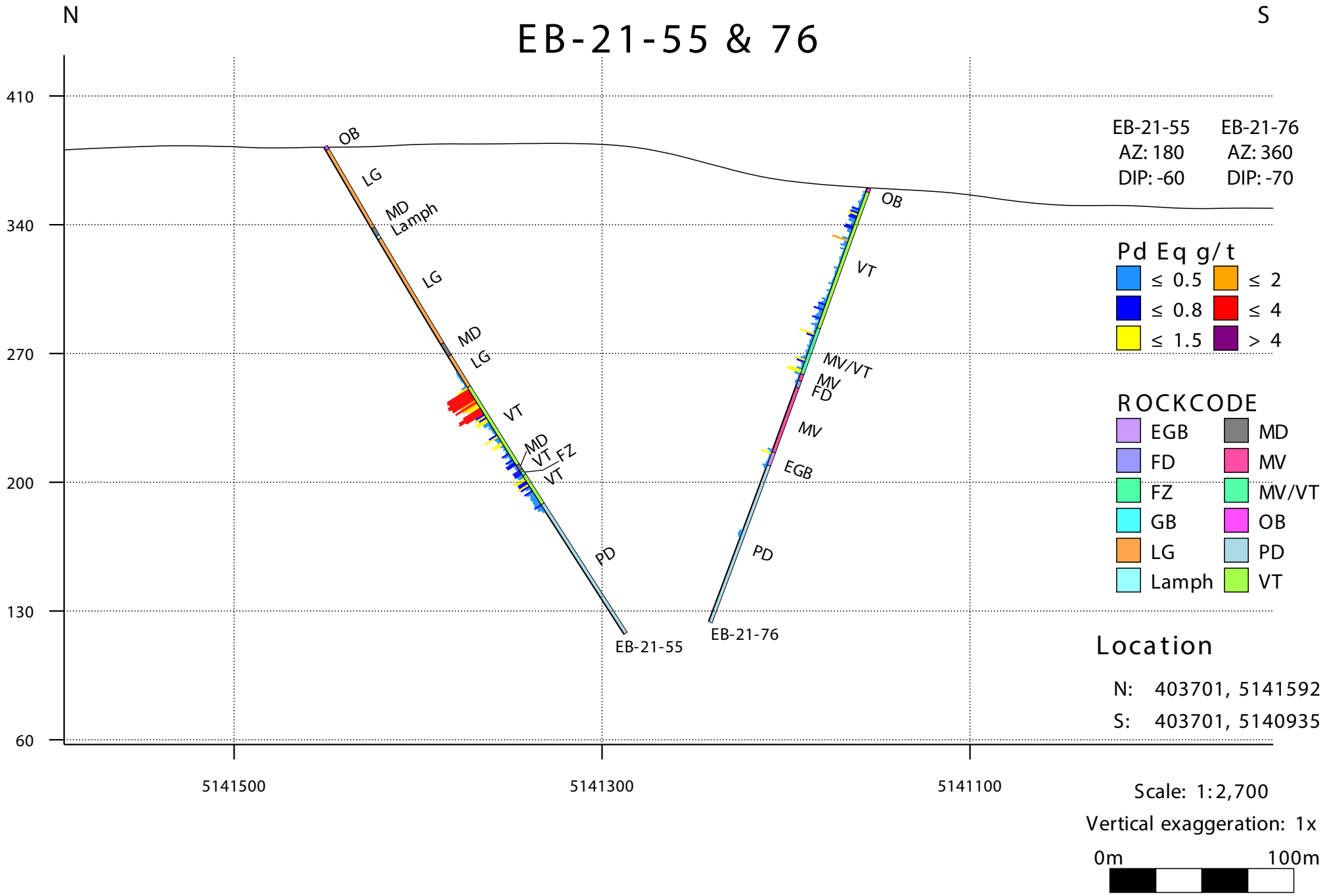

N
S
EB-21-50 & 72
380
320
260
200
140
80
5141540
5141450
5141360
5141270
5141180
5141090
OB
LG
FD
LG
Lamph
LG
VT
FZ
VT
MD
EB-21-72
OB
VT
LG
VT
FZ
MD
EB-21-50
Pd Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
ROCKCODE
FD
FZ
LG
Lamph
MD
OB
VT
EB-21-50
AZ: 180
DIP: -60
EB-21-72
AZ: 180
DIP: -60
Location
N: 403854, 5141544
S: 403854, 5141011
Scale: 1:2,200
Vertical exaggeration: 1x
0m
50m

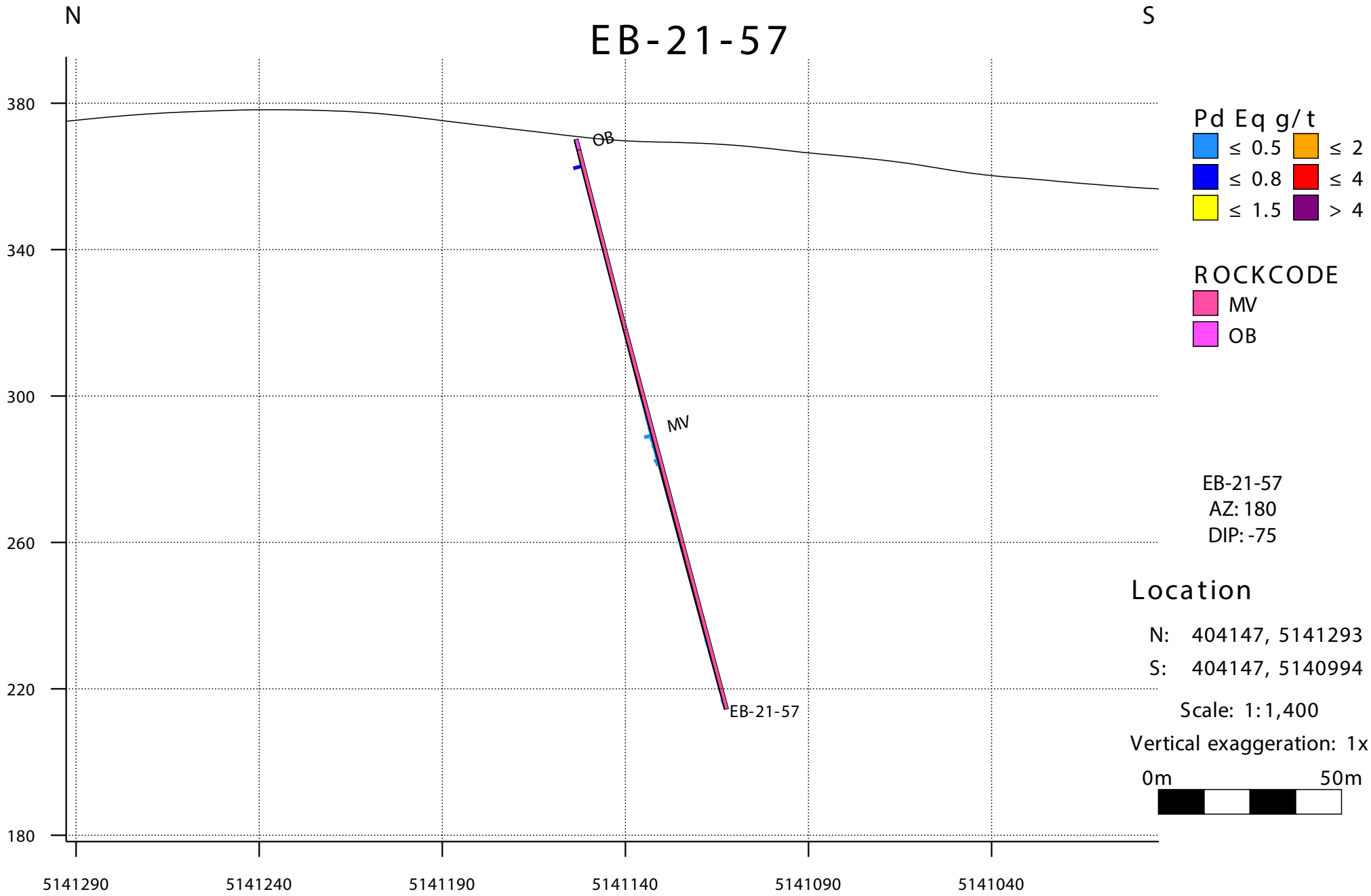

N
S
EB-21-51 & 56
380
320
260
200
140
80
5141540
5141460
5141380
5141300
5141220
5141140
OB
GB
LG
Lamph
LG
VT
FZ
VT
DB
FZ
PD
FZ
PD
EB-21-56
OB
VT
LG
FD
LG
MD
LG
VT
FZ
VT
MV
GB
EB-21-51
ROCKCODE
DB
FD
FZ
GB
LG
Lamph
MD
MV
OB
PD
VT
Pd Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
EB-21-51
AZ: 180
DIP: -60
EB-21-56
AZ: 180
DIP: -60
Location
N: 403778, 5141544
S: 403778, 5141079
Scale: 1:2,100
Vertical exaggeration: 1x
0m
50m

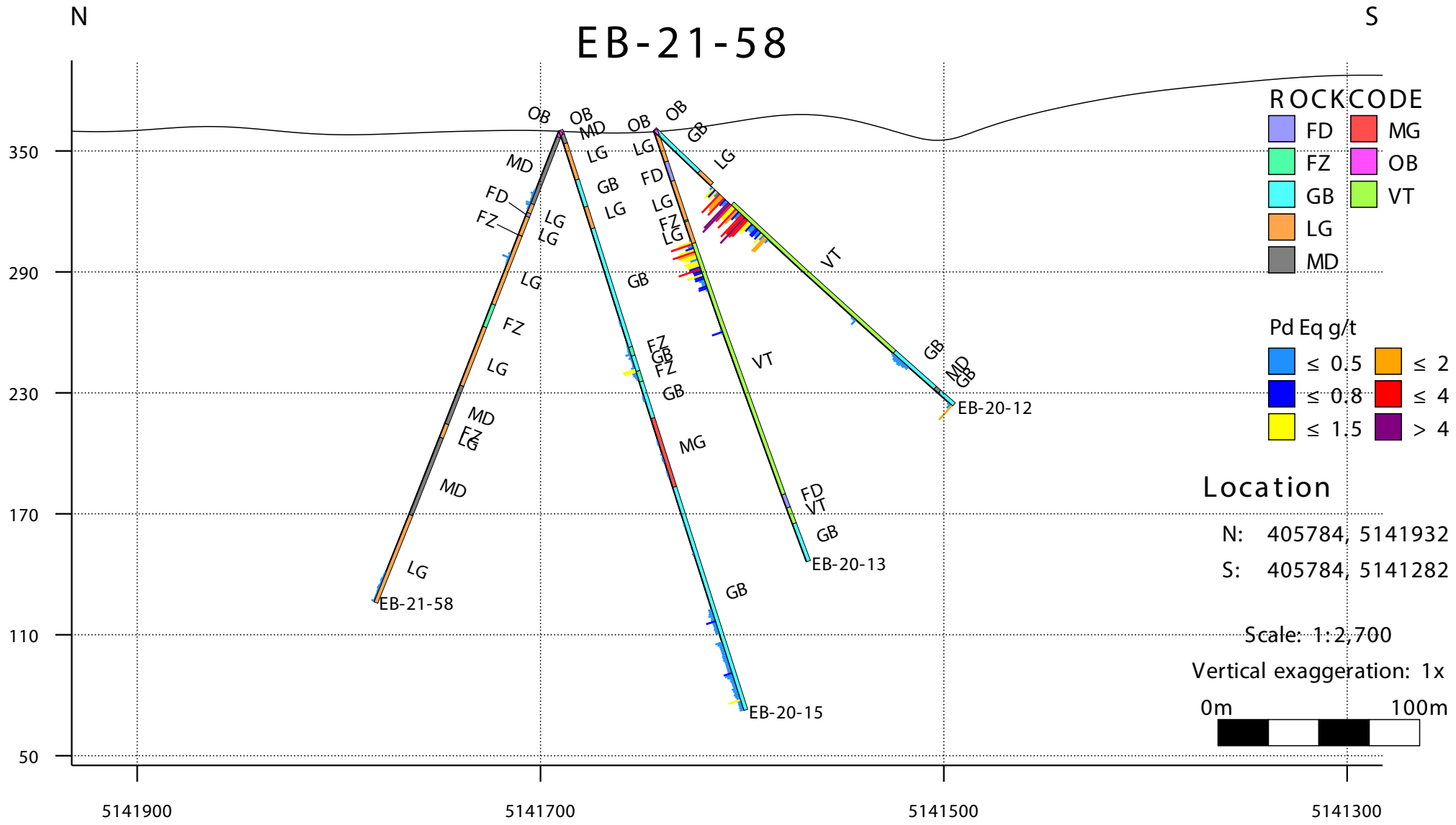

N
S
EB-21-52 & 68 & 77
EB-21-52
AZ: 180
DIP: -60
EB-21-68
AZ: 180
DIP: -60
EB-21-77
AZ: 315
DIP: -70
Pq Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
ROCKCODE
DB
EGB
FZ
GB
LG
MD
MV
MV/VT
OB
VT
Location
N: 403681, 5141505
S: 403681, 5140940
Scale: 1:2,400
Vertical exaggeration: 1x
0m
50m
380
310
240
170
100
30
5141500
5141400
5141300
5141200
5141100
5141000
EB-21-52
EB-21-68
EB-21-77

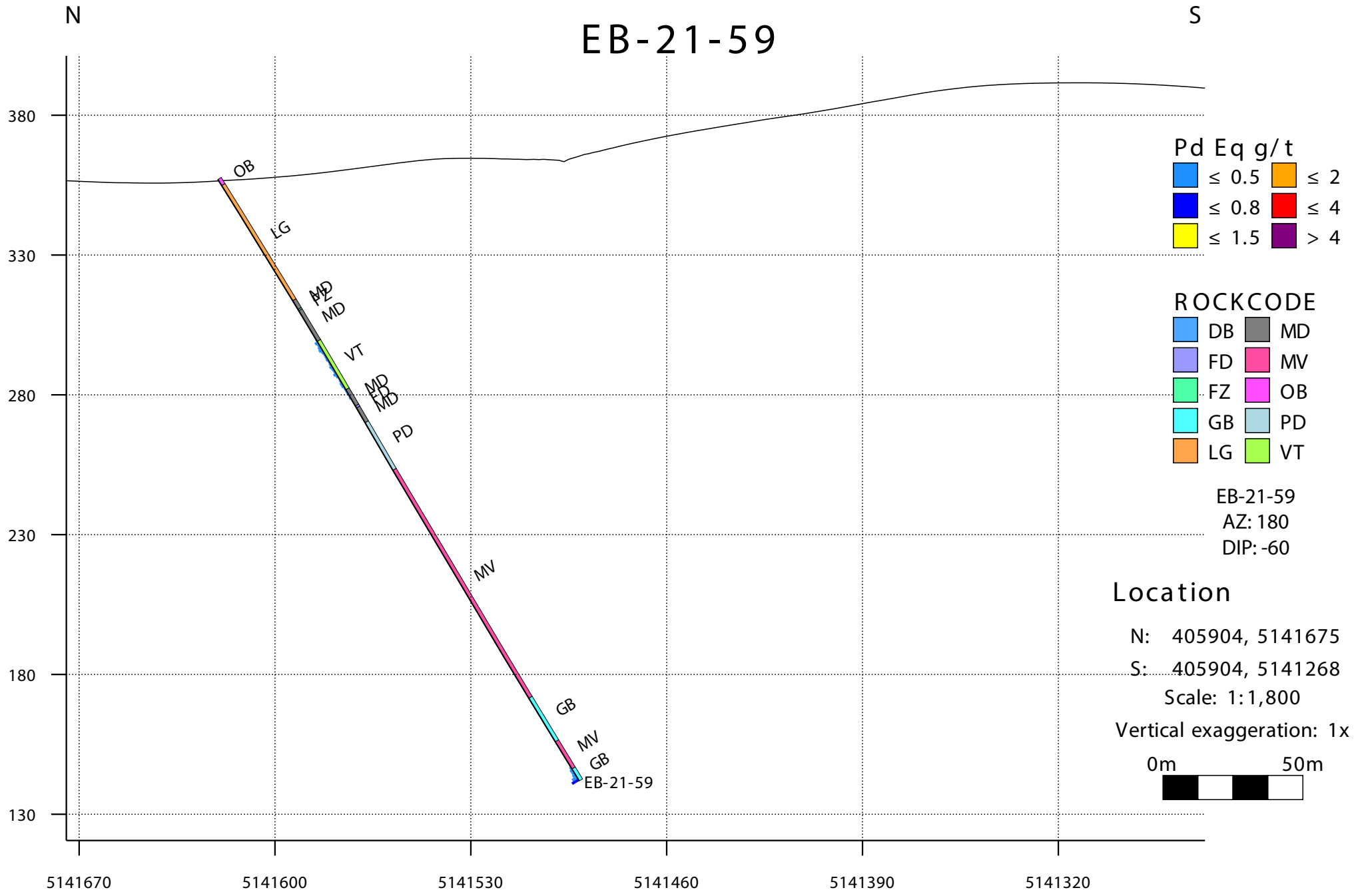

N
S
EB-21-53 & 69
400
340
280
220
160
100
5141560
5141480
5141400
5141320
5141240
5141160
OB
LG
FZ
VT
MD
MV
FD
EB-21-69
EB-21-53
ROCKCODE
FD
FI
FZ
LG
MD
MV
OB
PD
VT
Pd Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
Location
N: 403590, 5141568
S: 403590, 5141124
Scale: 1:2,000
Vertical exaggeration: 1x
0m
50m
EB-21-53
AZ: 180
DIP: -60
EB-21-64
AZ: 180
DIP: -60

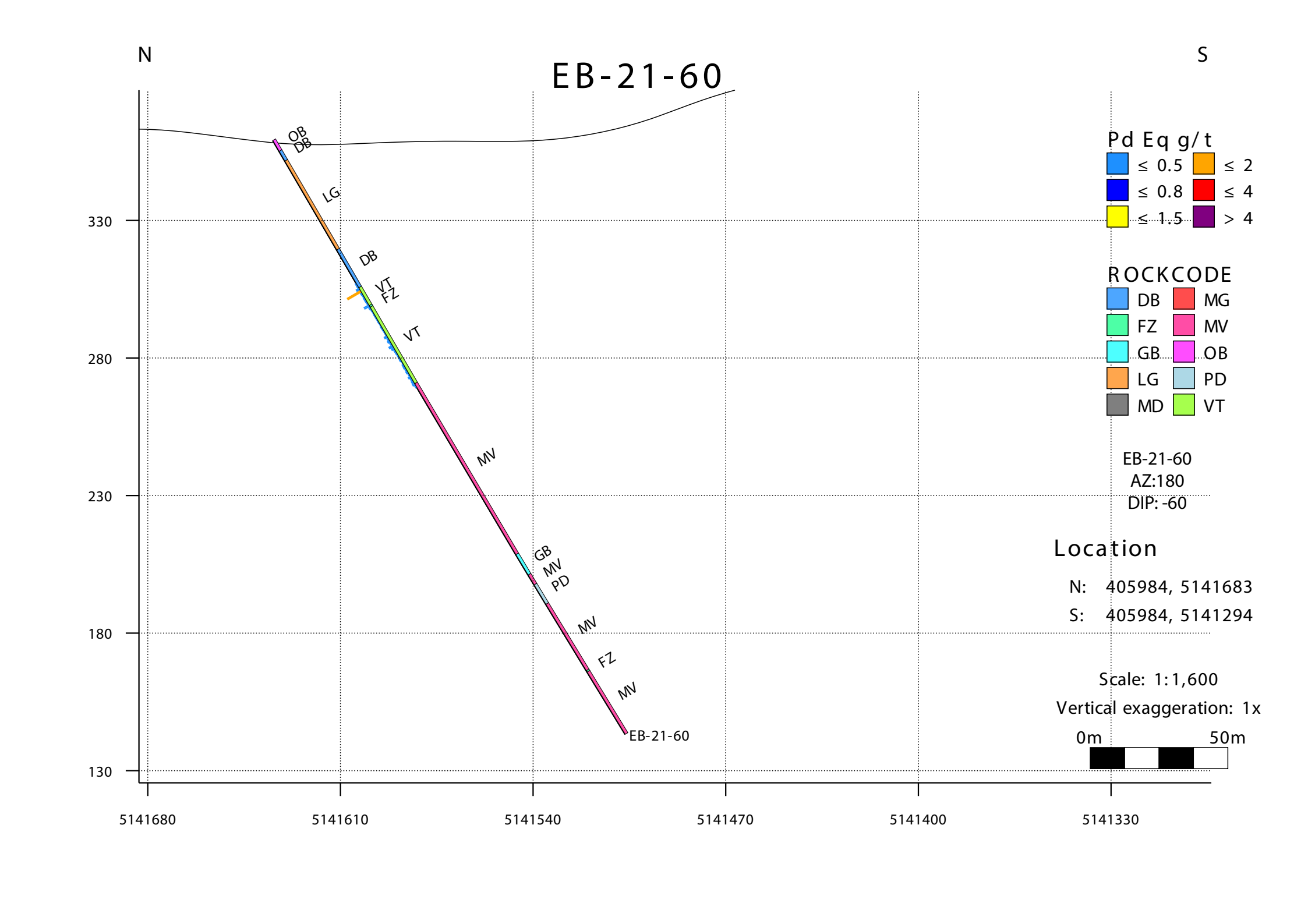

N
S
EB-21-54 & 67
400
340
280
220
160
100
5141510
5141440
5141370
5141300
5141230
5141160
OB
LG
MD
LG
VT
MD
VT
FZ
VT
MV
EB-21-67
OB
GB
MD
GB
Lamph
FZ
GB
LG
FZ
LG
MD
LG
VT
MV
FI
EB-21-54
ROCKCODE
DB
Lamph
FI
MD
FZ
MV
GB
OB
LG
VT
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
EB-21-54
AZ: 180
DIP: -60
EB-21-67
AZ: 180
DIP: -60
Location
N: 403494, 5141513
S: 403494, 5141108
Scale: 1:2,000
Vertical exaggeration: 1x
0m
50m

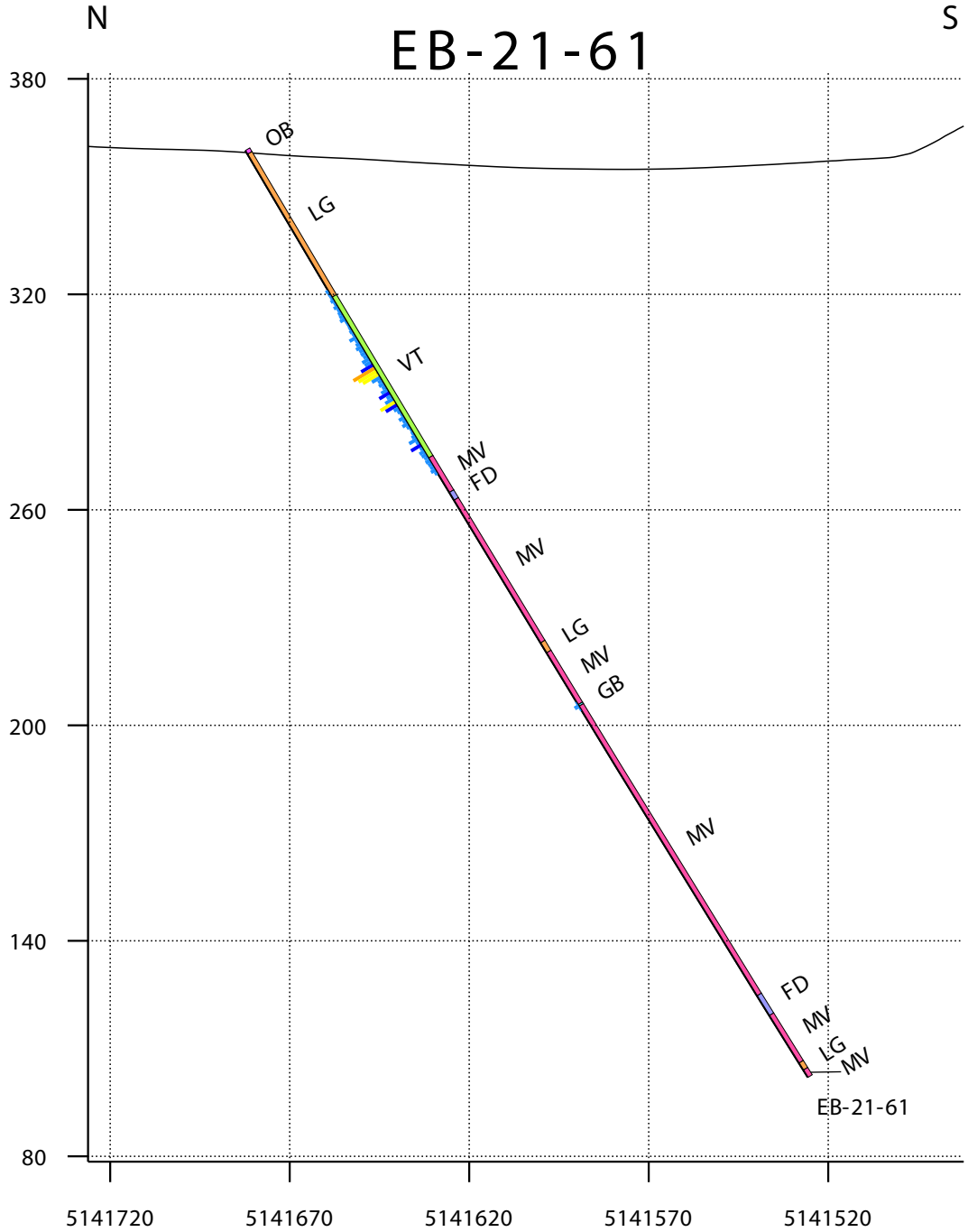

N
S
EB-21-55 & 76
410
340
270
200
130
60
5141500
5141300
5141100
OB
LG
MD
Lamph
LG
MD
LG
VT
MD
VT
FZ
VT
PD
EB-21-55
OB
VT
MV/VT
MV
FD
MV
EGB
PD
EB-21-76
EB-21-55
AZ: 180
DIP: -60
EB-21-76
AZ: 360
DIP: -70
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
ROCKCODE
EGB
MD
FD
MV
FZ
MV/VT
GB
OB
LG
PD
Lamph
VT
Location
N: 403701, 5141592
S: 403701, 5140935
Scale: 1:2,700
Vertical exaggeration: 1x
0m
100m


N
S
EB-21-57
380
340
300
260
220
180
OB
MV
EB-21-57
5141290
5141240
5141190
5141140
5141090
5141040
Pd Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
ROCKCODE
MV
OB
EB-21-57
AZ: 180
DIP: -75
Location
N: 404147, 5141293
S: 404147, 5140994
Scale: 1:1,400
Vertical exaggeration: 1x
0m
50m


N
S
EB-21-58
350
290
230
170
110
50
5141900
5141700
5141500
5141300
EB-21-58
EB-20-15
EB-20-13
EB-20-12
ROCKCODE
FD
MG
FZ
OB
GB
VT
LG
MD
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
Location
N: 405784, 5141932
S: 405784, 5141282
Scale: 1:2,700
Vertical exaggeration: 1x
0m
100m


N
S
EB-21-59
380
330
280
230
180
130
OB
LG
MD
FZ
MD
VT
MD
FD
MD
PD
MV
GB
MV
GB
EB-21-59
5141670
5141600
5141530
5141460
5141390
5141320
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
ROCKCODE
DB
MD
FD
MV
FZ
OB
GB
PD
LG
VT
EB-21-59
AZ: 180
DIP: -60
Location
N: 405904, 5141675
S: 405904, 5141268
Scale: 1:1,800
Vertical exaggeration: 1x
0m
50m


N
S
EB-21-60
OB
DB
LG
DB
VT
FZ
VT
MV
GB
MV
PD
MV
FZ
MV
EB-21-60
330
280
230
180
130
5141680
5141610
5141540
5141470
5141400
5141330
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
ROCKCODE
DB
MG
FZ
MV
GB
OB
LG
PD
MD
VT
EB-21-60
AZ:180
DIP: -60
Location
N: 405984, 5141683
S: 405984, 5141294
Scale: 1:1,600
Vertical exaggeration: 1x
0m
50m



Pd Eq g/t

- ≤ 0.5
- ≤ 2
- ≤ 0.8
- ≤ 4
- ≤ 1.5
- > 4

ROCKCODE

- DB
- MV
- FD
- OB
- FZ
- VT
- GB
- LG

EB-21-61
AZ: 180
DIP: -60

Location

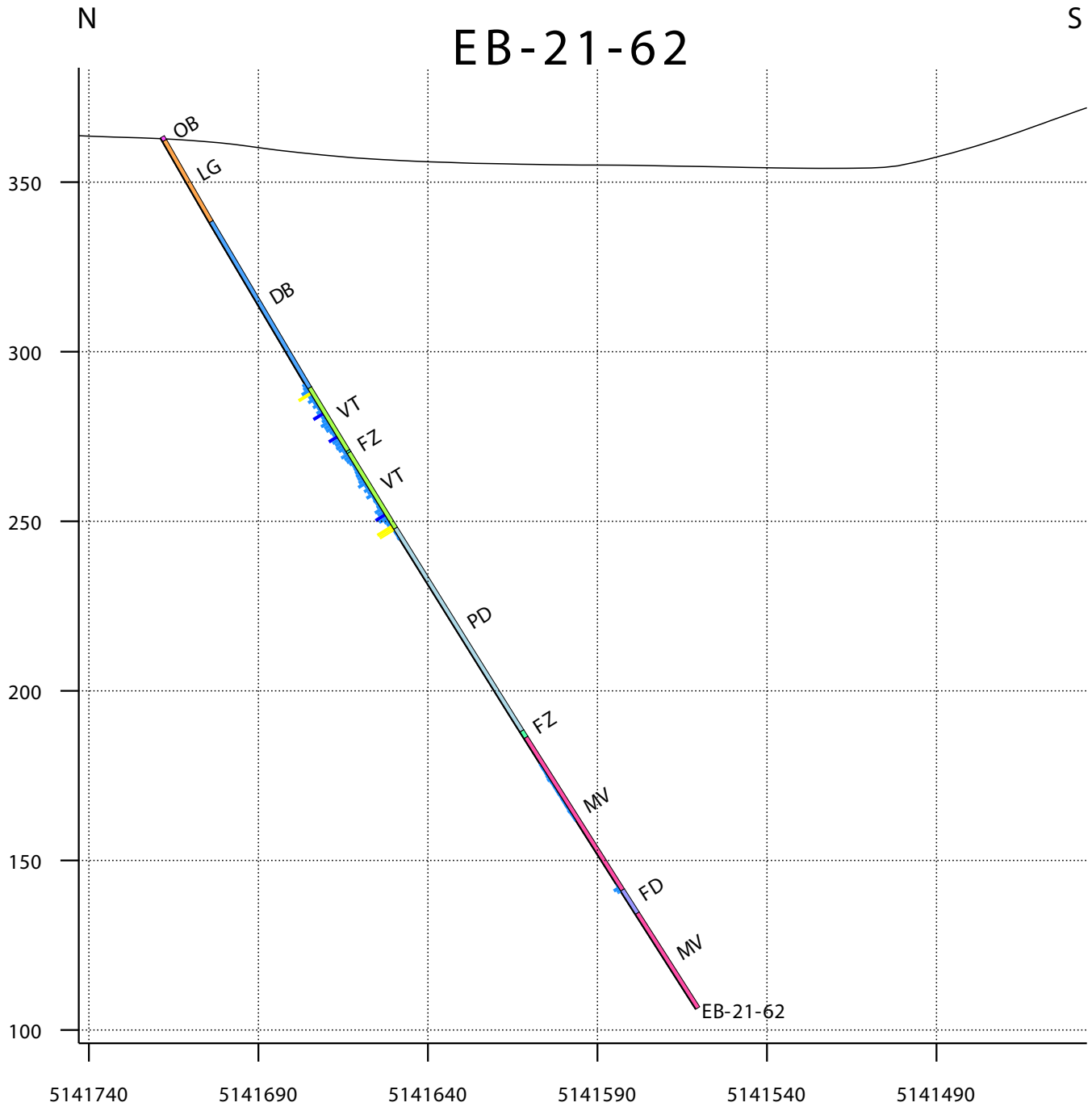
N: 406162, 5141726

S: 406162, 5141482

Scale: 1:1,900

Vertical exaggeration: 1x

0m 50m



Pd Eq g/t

≤ 0.5	≤ 2
≤ 0.8	≤ 4
≤ 1.5	> 4

ROCKCODE

DB	MD
FD	MV
FZ	OB
GB	PD
LG	VT

EB-21-62
AZ: 180
DIP: -60

Location

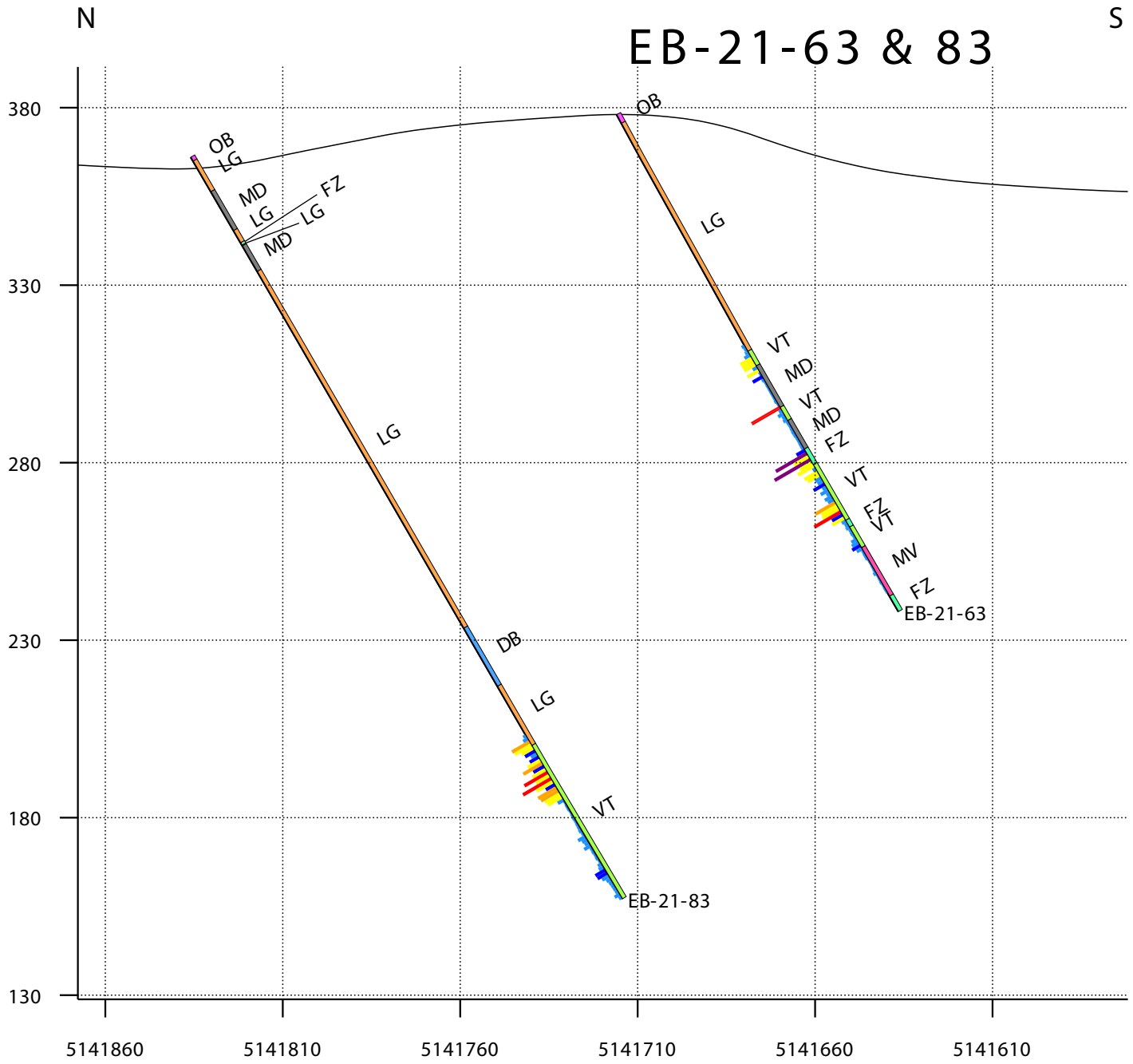
N: 406255, 5141743

S: 406255, 5141446

Scale: 1:1,800

Vertical exaggeration: 1x

0m 50m



ROCKCODE

- DB
- MV
- FZ
- OB
- GB
- VT
- LG
- MD

Pd Eq g/t

- ≤ 0.5
- ≤ 2
- ≤ 0.8
- ≤ 4
- ≤ 1.5
- > 4

EB-21-63	EB-21-83
Az: 180	Az: 180
Dip: -60	Dip: -60

Location

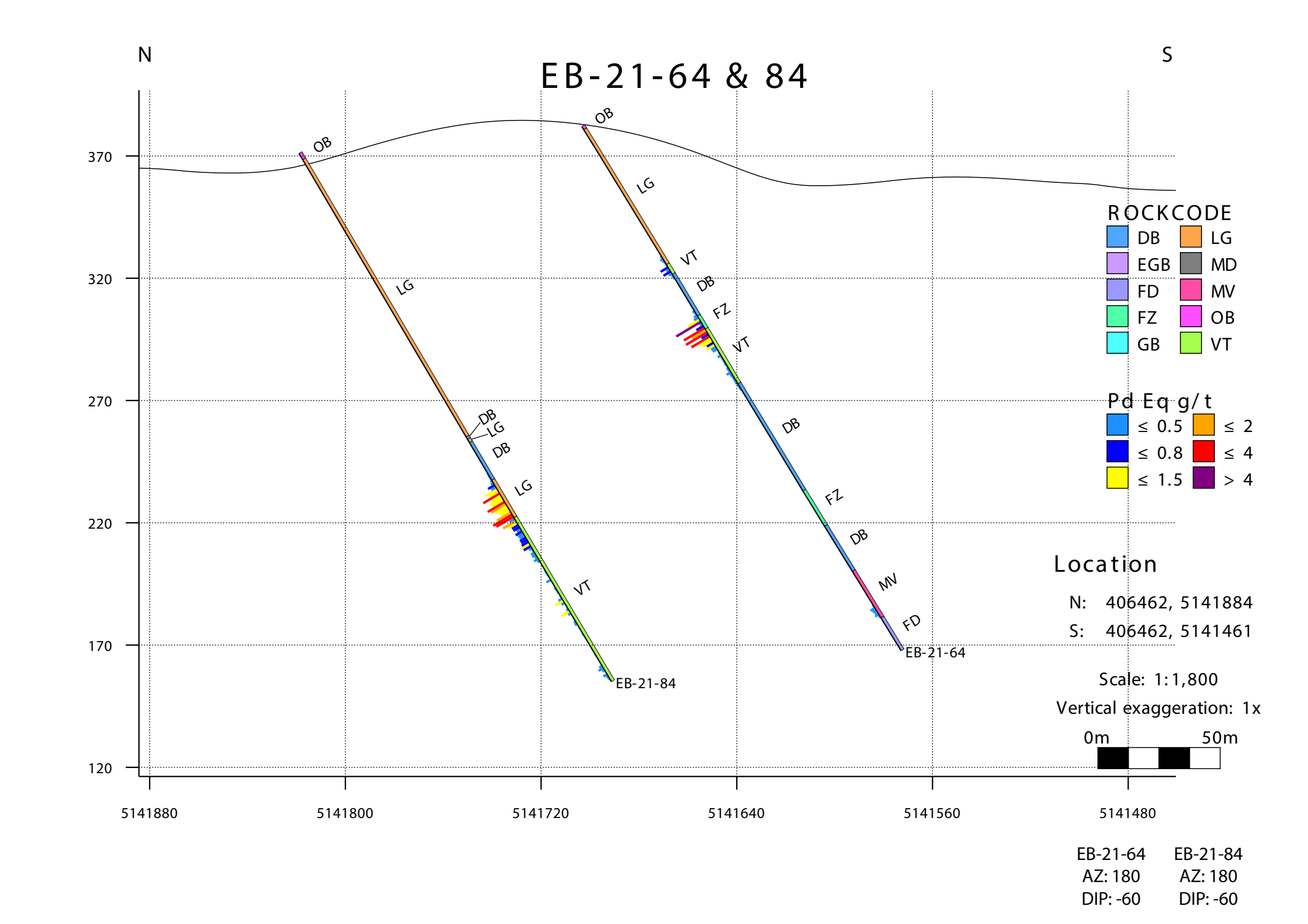
N: 406348, 5141868

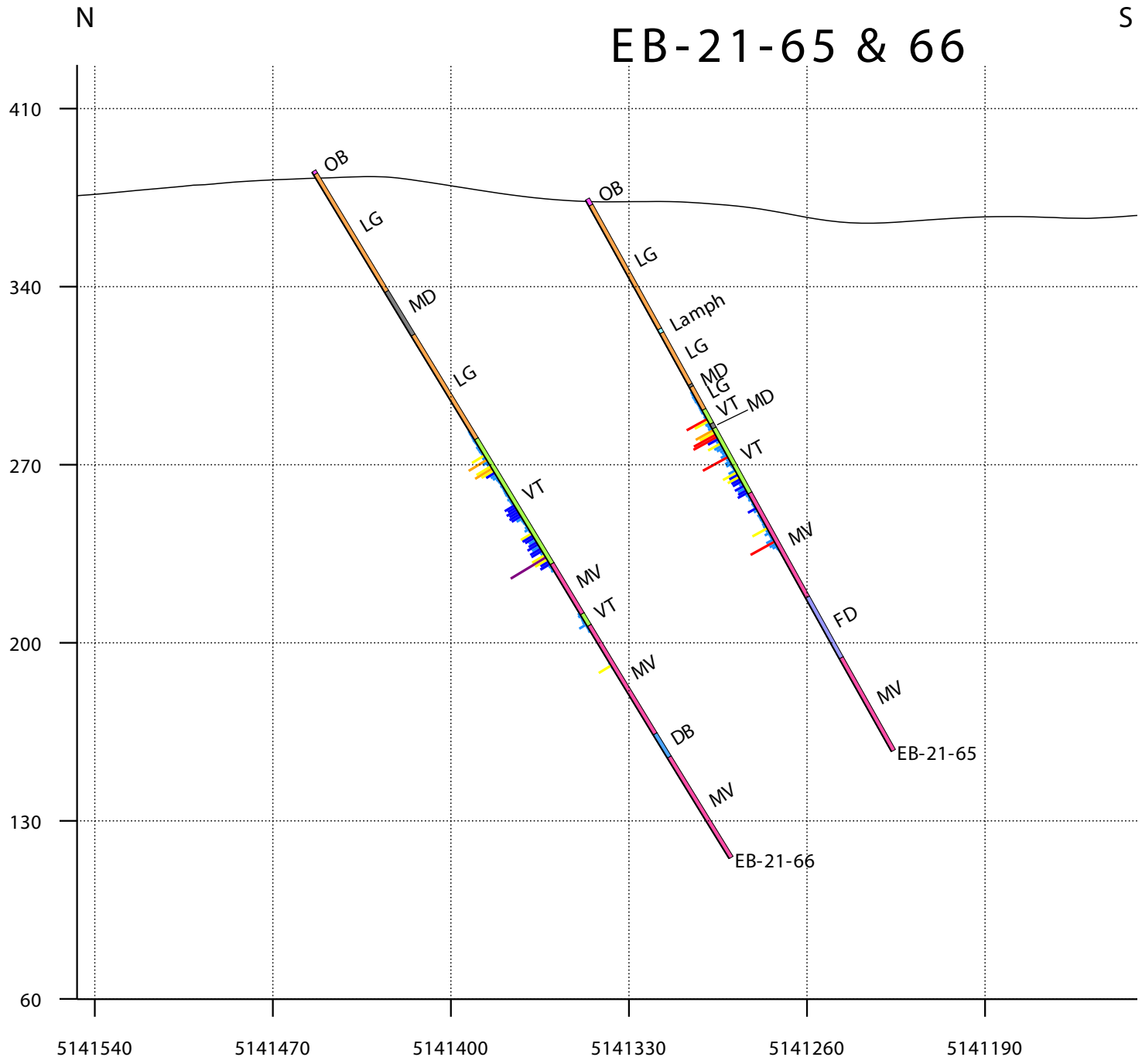
S: 406348, 5141572

Scale: 1:1,700

Vertical exaggeration: 1x

0m 50m


N
S
EB-21-64 & 84
370
320
270
220
170
120
5141880
5141800
5141720
5141640
5141560
5141480
OB
LG
DB
LG
DB
LG
VT
EB-21-84
OB
LG
VT
DB
FZ
VT
DB
FZ
DB
MV
FD
EB-21-64
ROCKCODE
DB
LG
EGB
MD
FD
MV
FZ
OB
GB
VT
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
Location
N: 406462, 5141884
S: 406462, 5141461
Scale: 1:1,800
Vertical exaggeration: 1x
0m
50m
EB-21-64
AZ: 180
DIP: -60
EB-21-84
AZ: 180
DIP: -60



ROCKCODE

DB	Lamph
FD	MD
FZ	MV
GB	OB
LG	VT

Pd Eq g/t

≤ 0.5	≤ 2
≤ 0.8	≤ 4
≤ 1.5	> 4

EB-21-65	EB-21-66
AZ: 180	AZ: 180
DIP: -60	DIP: -60

Location

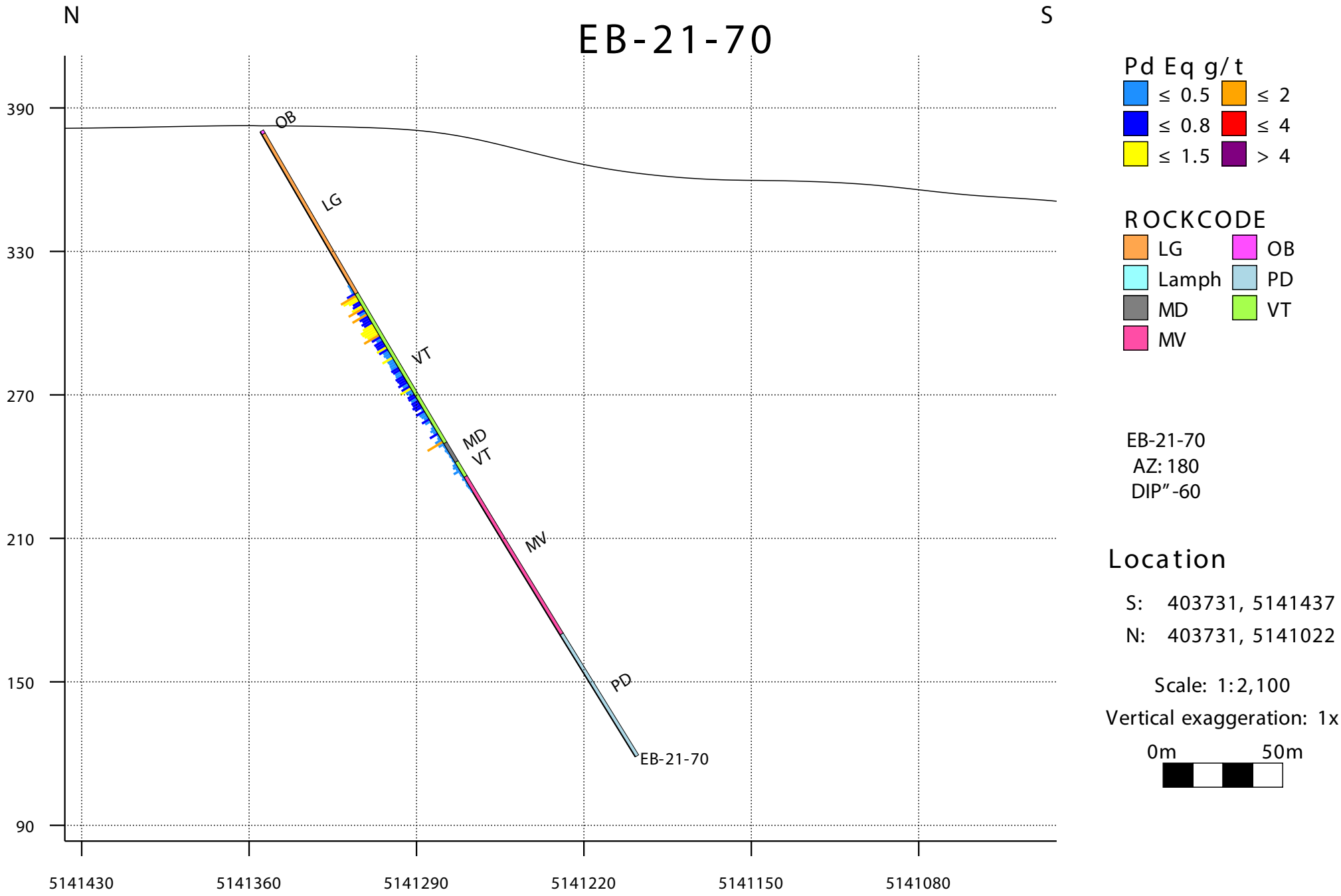
N: 403393, 5141547

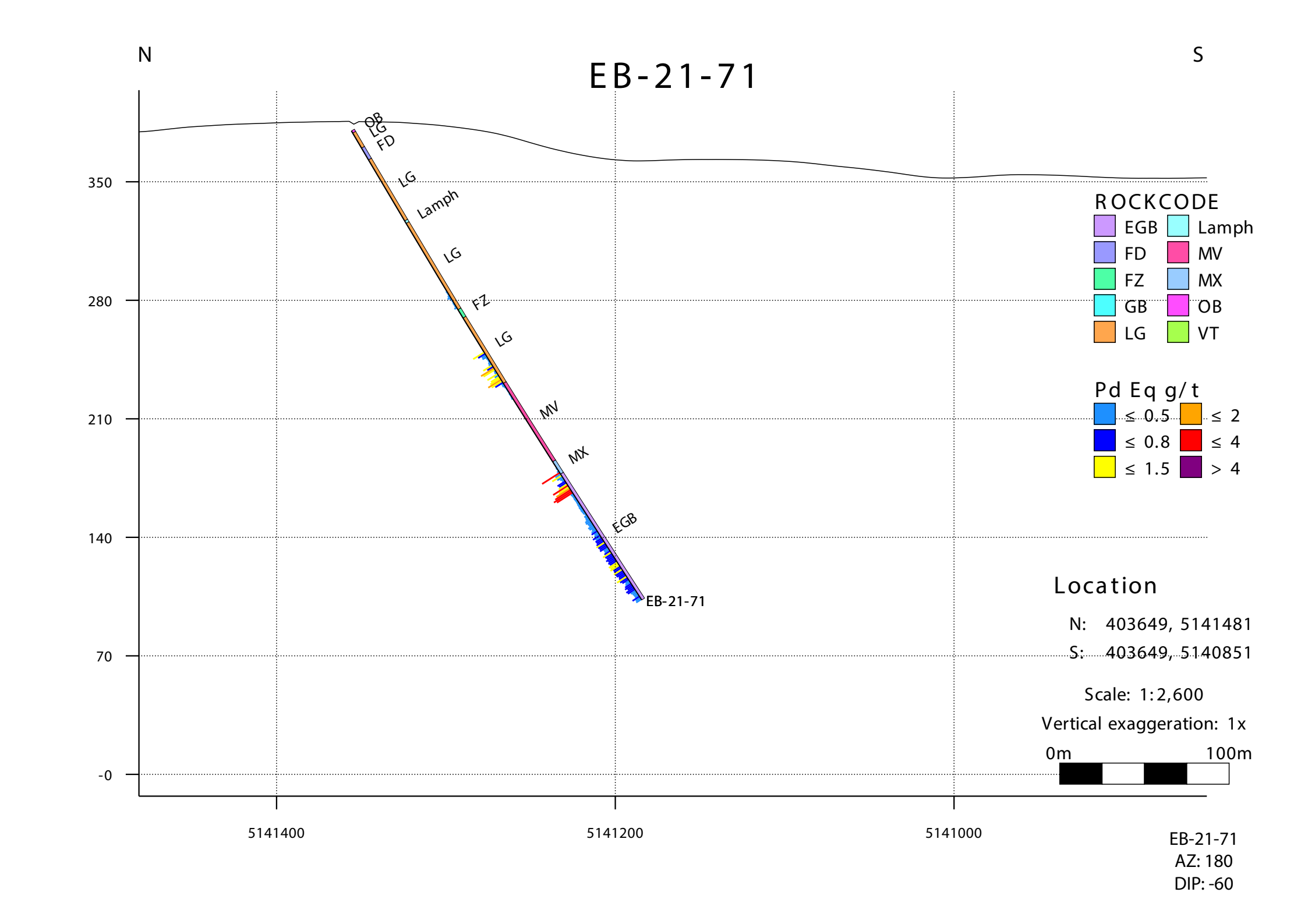
S: 403393, 5141130

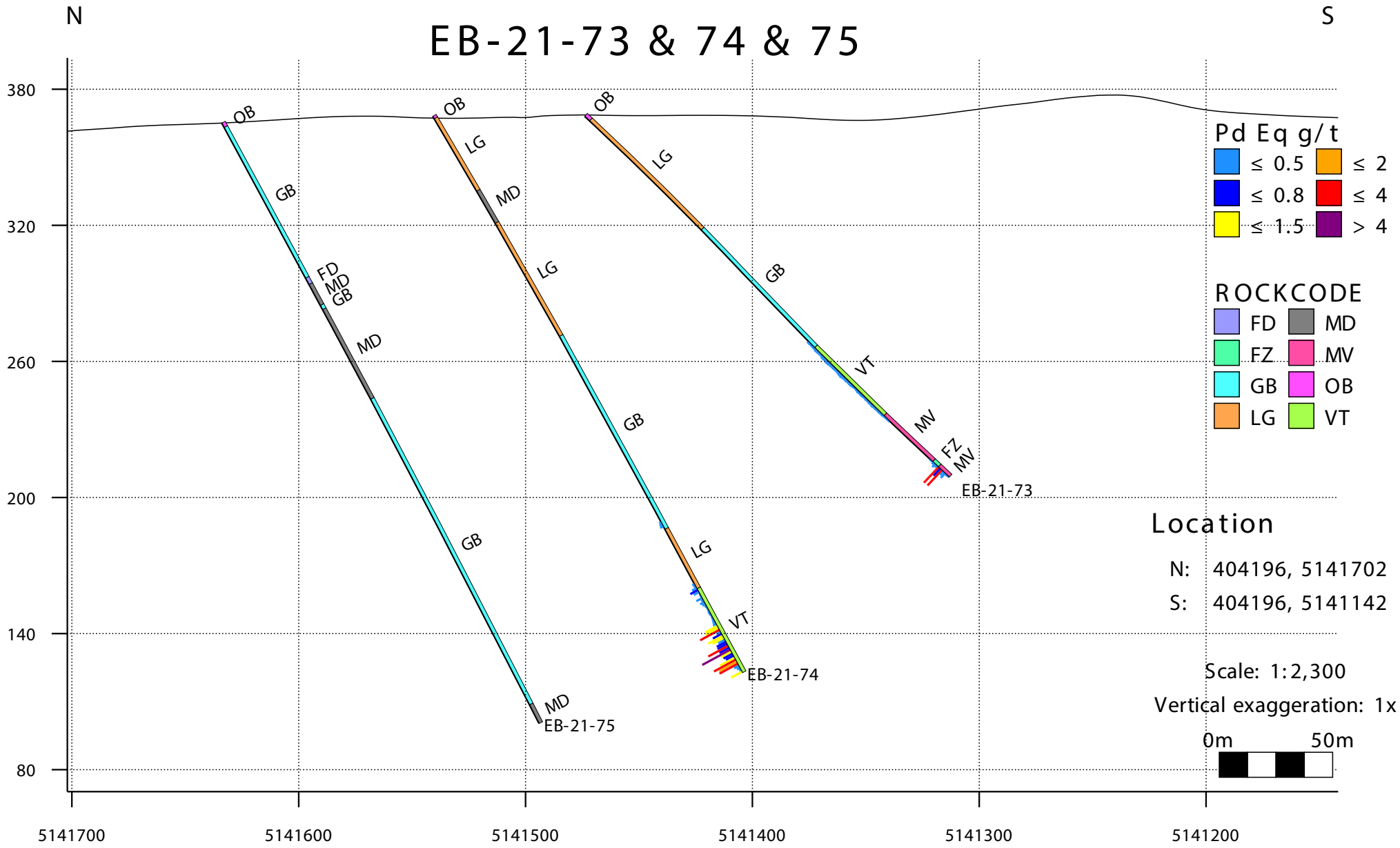
Scale: 1:2,300

Vertical exaggeration: 1x

0m 50m

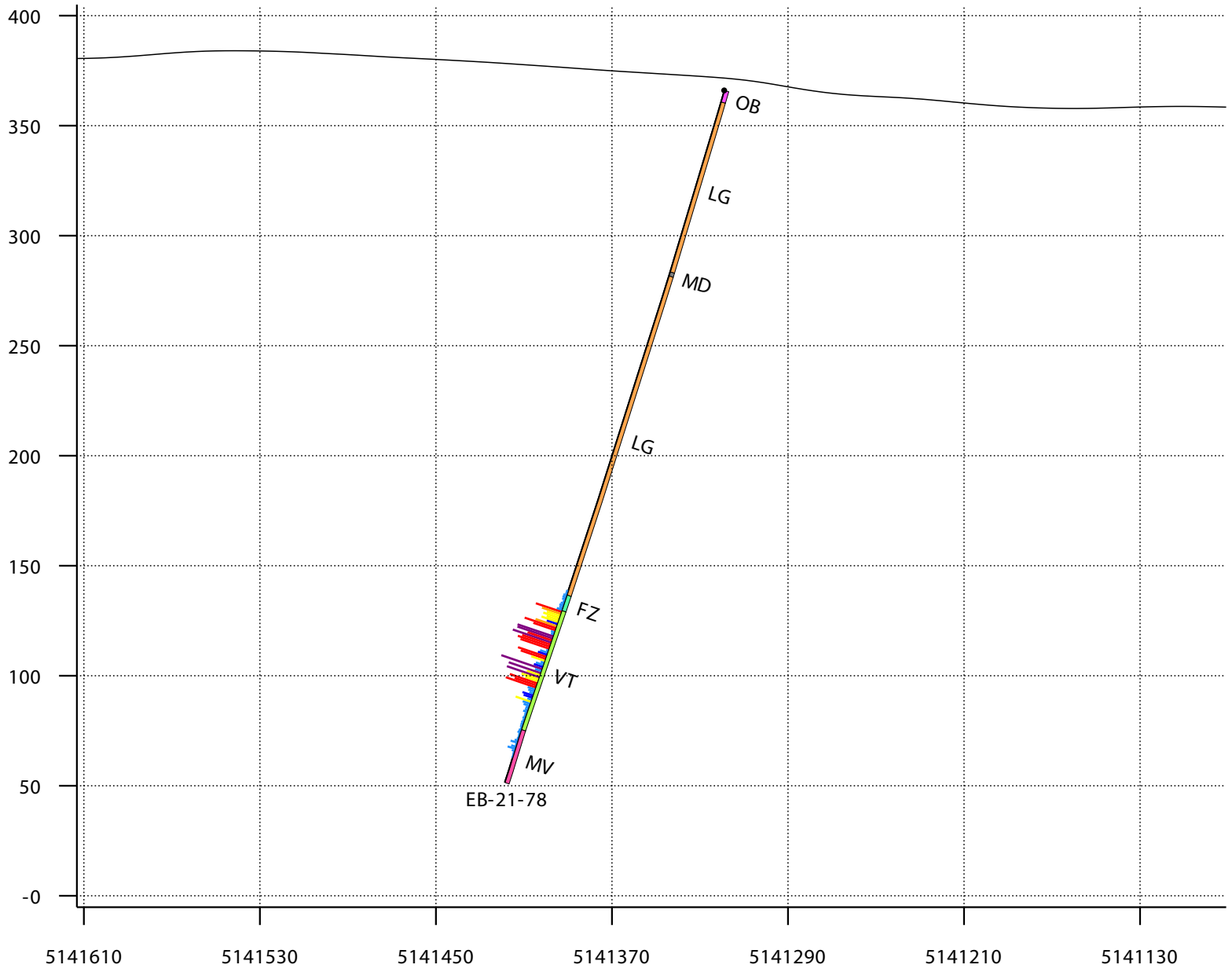

N
S
EB-21-70
390
330
270
210
150
90
5141430
5141360
5141290
5141220
5141150
5141080
OB
LG
VT
MD
VT
MV
PD
EB-21-70
Pd Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
ROCKCODE
LG
Lamph
MD
MV
OB
PD
VT
EB-21-70
AZ: 180
DIP" -60
Location
S: 403731, 5141437
N: 403731, 5141022
Scale: 1:2,100
Vertical exaggeration: 1x
0m
50m


N
S
EB-21-71
OB
LG
FD
LG
Lamph
LG
FZ
LG
MV
MX
EGB
EB-21-71
350
280
210
140
70
-0
5141400
5141200
5141000
ROCKCODE
EGB
Lamph
FD
MV
FZ
MX
GB
OB
LG
VT
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
Location
N: 403649, 5141481
S: 403649, 5140851
Scale: 1:2,600
Vertical exaggeration: 1x
0m
100m
EB-21-71
AZ: 180
DIP: -60



EB-21-73	EB-21-74	EB-21-75
AZ: 180	AZ: 180	AZ: 180
DIP: -45	DIP: -60	DIP: -60

EB-21-78



Lithology

- FZ
- MV
- LG
- OB
- MD
- VT

Pd Eq g/t

- ≤ 0.5
- ≤ 2
- ≤ 0.8
- ≤ 4
- ≤ 1.5
- > 4

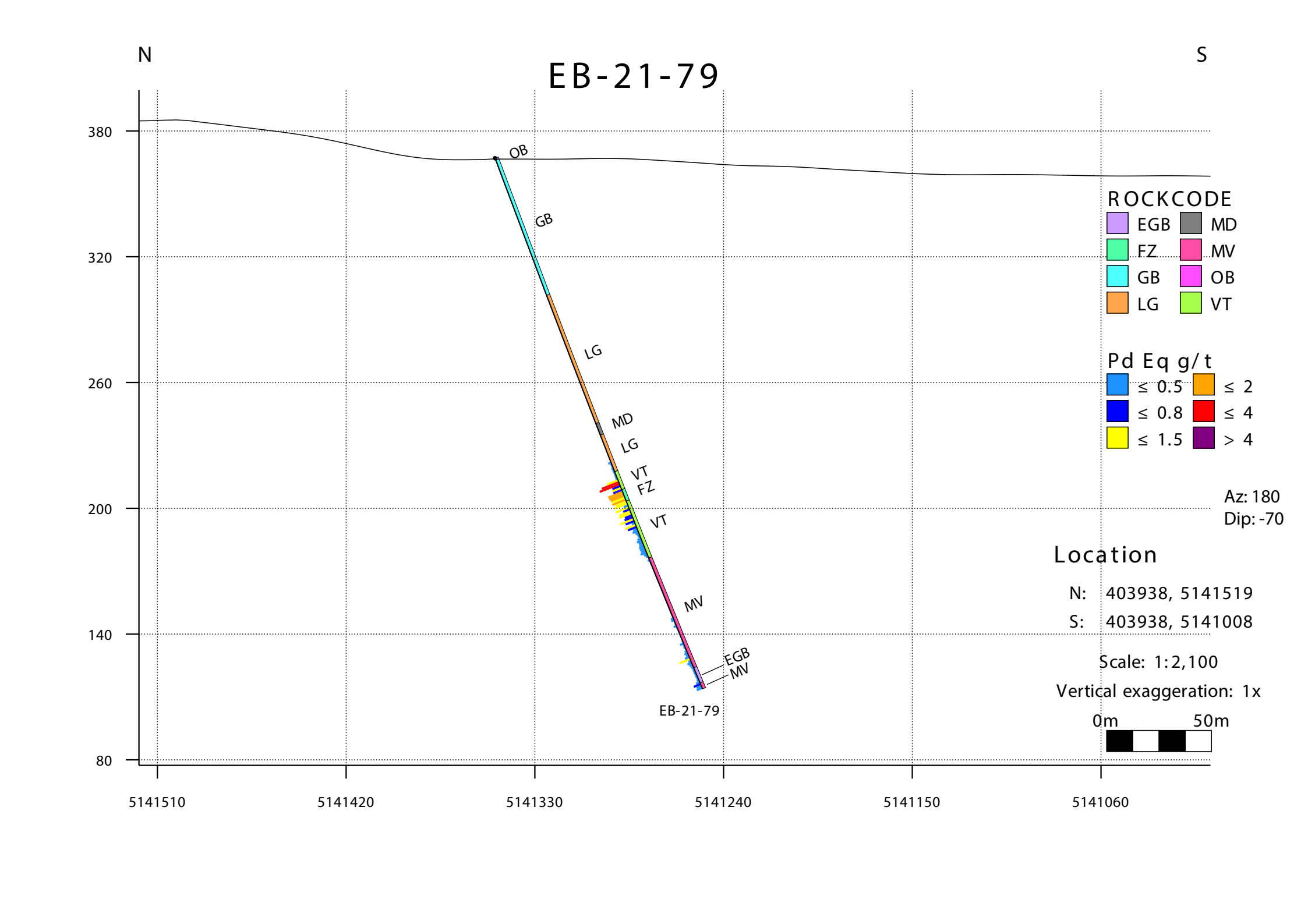
EB-21-78
AZ: 180
DIP: -70

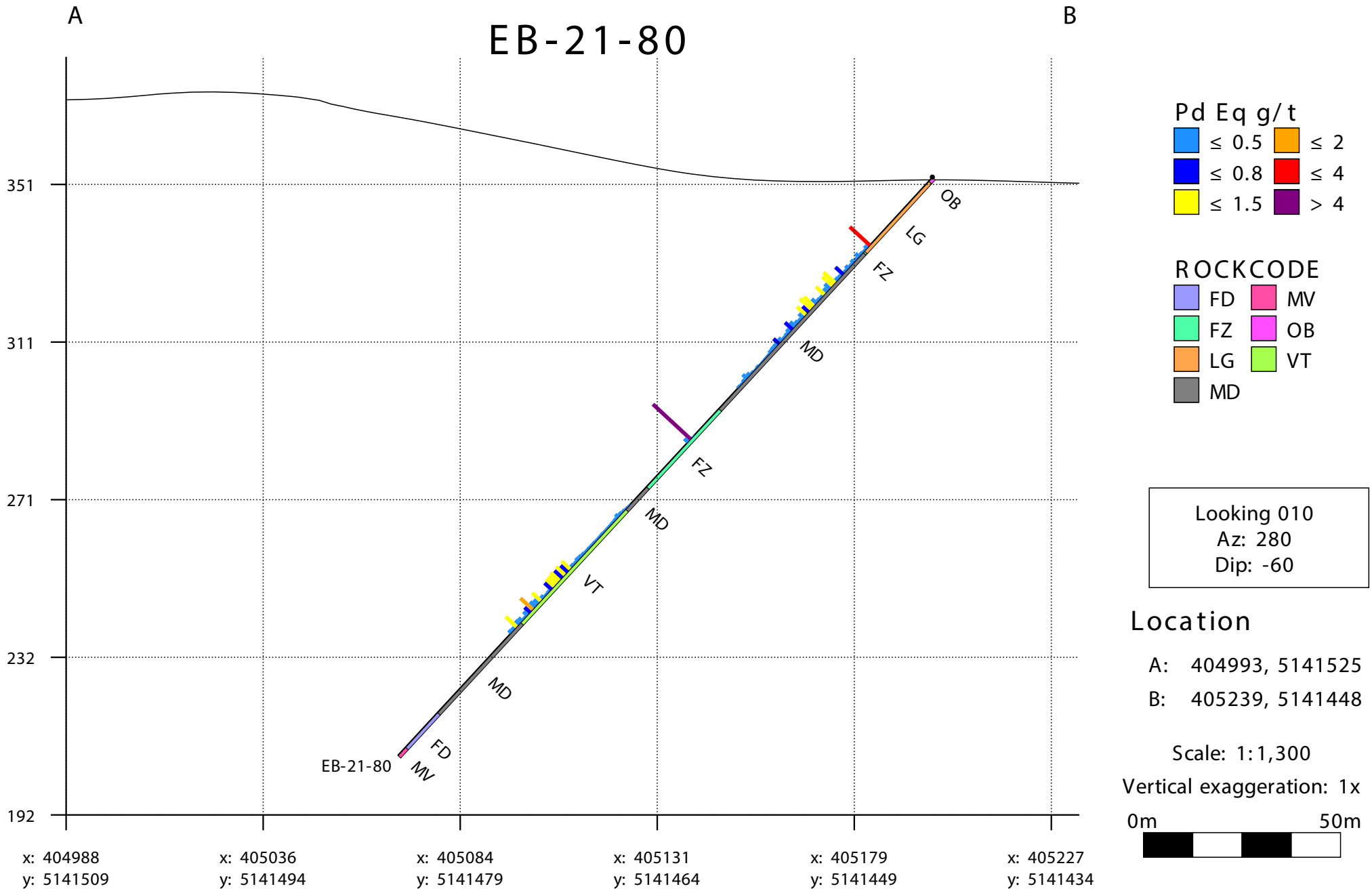
Location

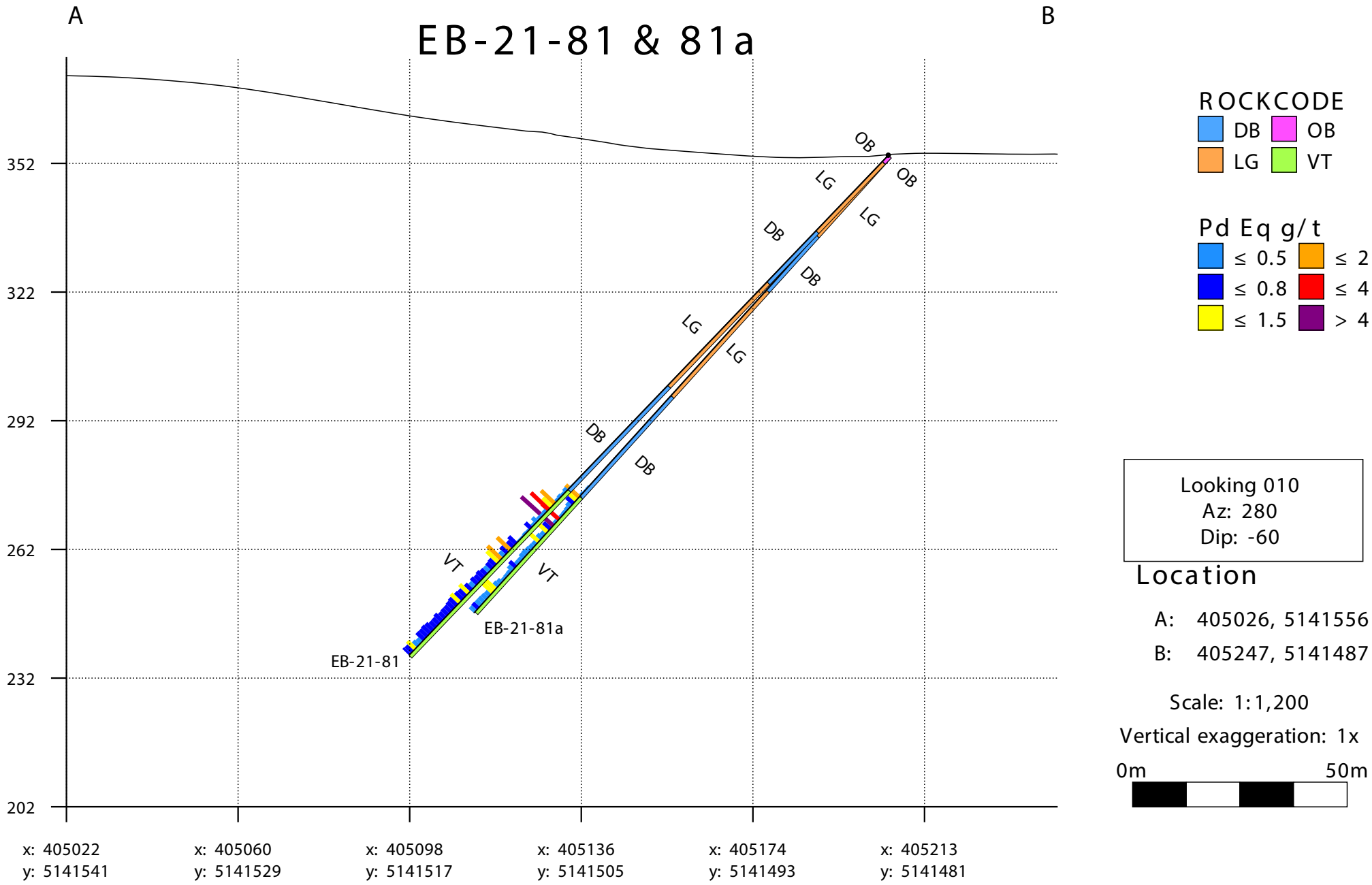
N: 403814, 5141613
S: 403814, 5141091

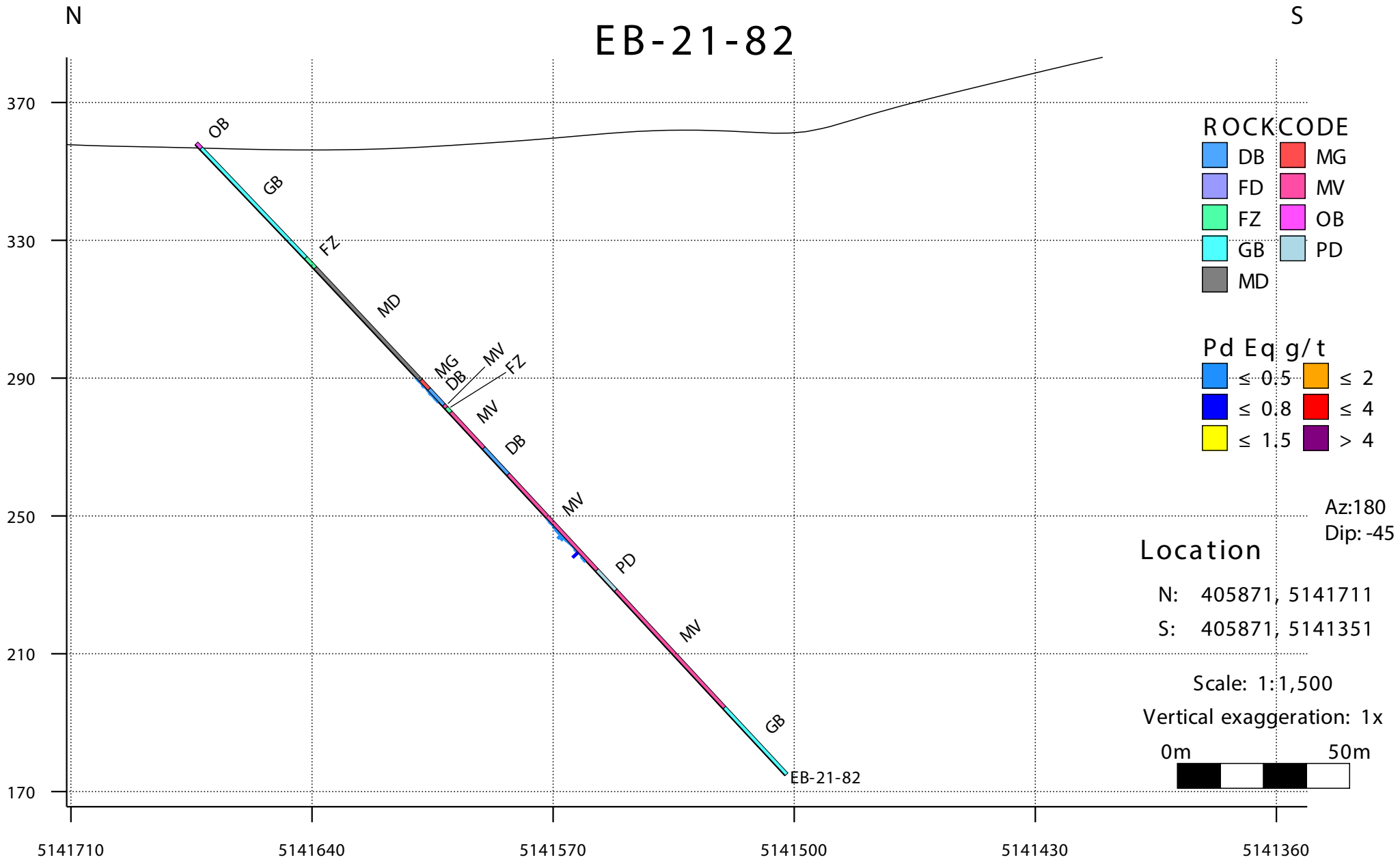
Scale: 1:2,700
Vertical exaggeration: 1x

0m 100m


N
S
EB-21-79
380
320
260
200
140
80
5141510
5141420
5141330
5141240
5141150
5141060
OB
GB
LG
MD
LG
VT
FZ
VT
MV
EGB
MV
EB-21-79
ROCKCODE
EGB
MD
FZ
MV
GB
OB
LG
VT
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
Az: 180
Dip: -70
Location
N: 403938, 5141519
S: 403938, 5141008
Scale: 1:2,100
Vertical exaggeration: 1x
0m
50m


A
B
EB-21-80
351
311
271
232
192
x: 404988
y: 5141509
x: 405036
y: 5141494
x: 405084
y: 5141479
x: 405131
y: 5141464
x: 405179
y: 5141449
x: 405227
y: 5141434
EB-21-80
MV
FD
MD
VT
MD
FZ
MD
FZ
LG
OB
Pd Eq g/t
≤ 0.5
≤ 0.8
≤ 1.5
≤ 2
≤ 4
> 4
ROCKCODE
FD
FZ
LG
MD
MV
OB
VT
Looking 010
Az: 280
Dip: -60
Location
A: 404993, 5141525
B: 405239, 5141448
Scale: 1:1,300
Vertical exaggeration: 1x
0m
50m


A
B
EB-21-81 & 81a
352
322
292
262
232
202
OB
LG
DB
VT
EB-21-81
EB-21-81a
x: 405022
y: 5141541
x: 405060
y: 5141529
x: 405098
y: 5141517
x: 405136
y: 5141505
x: 405174
y: 5141493
x: 405213
y: 5141481
ROCKCODE
DB
OB
LG
VT
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
Looking 010
Az: 280
Dip: -60
Location
A: 405026, 5141556
B: 405247, 5141487
Scale: 1:1,200
Vertical exaggeration: 1x
0m
50m


N
S
EB-21-82
370
330
290
250
210
170
OB
GB
FZ
MD
MG
DB
MV
FZ
MV
DB
MV
PD
MV
GB
EB-21-82
5141710
5141640
5141570
5141500
5141430
5141360
ROCKCODE
DB
MG
FD
MV
FZ
OB
GB
PD
MD
Pd Eq g/t
≤ 0.5
≤ 2
≤ 0.8
≤ 4
≤ 1.5
> 4
Az:180
Dip: -45
Location
N: 405871, 5141711
S: 405871, 5141351
Scale: 1:1,500
Vertical exaggeration: 1x
0m
50m

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	180067
Target:	GARDEN ZONE
Hole Number:	**EB-21-49**
Length:	255m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403979
UTM Northing:	5141444
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	371m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-01-16
Date Completed:	2021-01-20
Drilling Company:	Vital Drilling
Date Logged:	January 21 to 22
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
12m	-59.1	188.7	54252	corrected az. = 179.5
101m	-58.0	187.6	54045	corrected az. = 178.4
201m	-58.2	194.5	54589	corrected az. = 185.3
250m	-58.3	197.6	55446	corrected az. = 188.4

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-49

Major		Code	Minor		Description	Samples				Pd Eg	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppm	ppb	ppb	ppm	ppm
						155195	4.30	5.00	0.70	#VALUE!	4	<5	6	135	42
0.00	4.30	CAS			Casing/overburden	155196	5.00	6.00	1.00	0.069	3	7	6	100	28
						155197	6.00	7.00	1.00	#VALUE!	1	<5	2	45	22
4.30	72.16	VT GB?			Varitextured Gabbro?	155198	7.00	8.00	1.00	#VALUE!	1	<5	4	85	37
					Looks like a mix of gabbro/leucogabbro (+ melagabbro?) right from the top of hole; not much variation in texture and doesn't look like typical varitextured gabbro as seen in previous holes; massive; medium to coarse grained, with leucogabbro intervals being coarse grained; rare, trace fine grained disseminated chalcopyrite (pyrite?)	155199	8.00	9.00	1.00	#VALUE!	3	<5	3	118	40
						155200	Standard CDN-ME-9			5.600	144	749	1460	7100	9830
						155201	9.00	10.00	1.00	0.091	11	5	5	125	40
						155202	10.00	11.00	1.00	0.103	5	9	12	153	43
						155203	11.00	12.00	1.00	0.218	3	70	58	133	49
						155204	12.00	13.00	1.00	0.169	9	28	27	256	46
						155205	13.00	14.00	1.00	0.195	3	64	69	65	37
						155206	14.00	15.00	1.00	0.173	6	52	26	163	52
						155207	15.00	16.00	1.00	0.082	4	9	7	111	43
						155208	16.00	17.00	1.00	0.056	2	9	9	73	17
						155209	17.00	18.00	1.00	0.090	2	11	21	112	33
						155210	Blank			#VALUE!	2	<5	<1	<0.5	7
						155211	18.00	19.00	1.00	0.122	4	16	26	157	46
						155212	19.00	20.00	1.00	0.054	2	13	12	39	18
						155213	20.00	21.00	1.00	0.068	2	10	8	81	31
						155214	21.00	22.00	1.00	0.135	8	17	20	169	67
						155215	22.00	23.00	1.00	0.112	3	22	32	82	43
						155216	23.00	24.00	1.00	0.152	5	36	44	102	48
						155217	24.00	25.00	1.00	0.309	8	99	96	143	71
						155218	25.00	26.00	1.00	0.359	7	124	138	89	56
						155219	26.00	27.00	1.00	0.250	6	84	75	113	53
						155220	Duplicate of 155219			0.199	6	58	54	138	50
						155221	27.00	28.00	1.00	0.217	7	60	62	139	60
						155222	28.00	29.00	1.00	0.332	7	92	140	110	64
						155223	29.00	30.00	1.00	0.424	8	119	188	150	63
						155224	30.00	31.00	1.00	0.497	13	205	136	187	70
						155225	31.00	32.00	1.00	0.287	21	124	9	221	67
						155226	32.00	33.00	1.00	0.235	26	69	13	237	69
						155227	33.00	34.00	1.00	0.211	28	41	21	237	66
						155228	34.00	35.00	1.00	0.207	25	34	29	238	65

Drillhole: EB-21-49

Major		Code	Minor		Description	Samples				Pd Eg	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppm	ppb	ppb	ppm	ppm
4.30	72.16	VT GB?			Varitextured Gabbro? Continued	155229	35.00	36.00	1.00	0.197	24	24	28	257	65
						155230	Standard CDN-ME-9			5.554	155	737	1460	6840	9870
						155231	36.00	37.00	1.00	0.296	16	56	109	223	62
						155232	37.00	38.00	1.00	0.197	8	50	54	154	46
						155233	38.00	39.00	1.00	0.215	13	52	47	185	56
						155234	39.00	40.00	1.00	0.248	13	67	56	195	61
						155235	40.00	41.00	1.00	0.204	6	61	59	138	39
						155236	41.00	42.00	1.00	0.179	7	47	40	171	40
						155237	42.00	43.00	1.00	0.235	13	66	39	224	76
						155238	43.00	44.00	1.00	0.209	12	50	27	236	110
						155239	44.00	45.00	1.00	0.144	7	18	13	153	208
						155240	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155241	45.00	46.00	1.00	0.140	7	45	22	97	50
						155242	46.00	47.00	1.00	0.081	3	22	15	46	29
						155243	47.00	48.00	1.00	0.119	5	16	19	154	53
						155244	48.00	49.00	1.00	0.103	5	19	12	116	44
						155245	49.00	50.00	1.00	0.134	7	17	12	232	82
						155246	50.00	51.00	1.00	0.128	6	9	17	219	71
						155247	51.00	52.00	1.00	0.121	4	32	19	121	41
						155248	52.00	53.00	1.00	0.128	11	21	15	148	50
						155249	53.00	54.00	1.00	0.118	5	16	16	159	52
						155250	Duplicate of 155249			0.116	4	18	15	150	51
						155251	54.00	55.00	1.00	0.108	11	11	16	116	46
						155252	55.00	56.00	1.00	0.089	6	19	12	40	46
						155253	56.00	57.00	1.00	0.099	5	17	17	100	41
						155254	57.00	58.00	1.00	0.095	3	13	17	81	101
						155255	58.00	59.00	1.00	0.104	2	3	4	55	344
						155256	59.00	60.00	1.00	0.120	4	19	17	152	52
						155257	60.00	61.00	1.00	0.127	7	21	17	147	53
						155258	61.00	62.00	1.00	0.126	5	23	18	138	54
						155259	62.00	63.00	1.00	0.155	26	24	20	134	51
						155260	Standard CDN-ME-9			5.605	192	761	1380	7180	9680
						155261	63.00	64.00	1.00	0.107	4	29	16	98	38
						155262	64.00	65.00	1.00	0.092	3	17	20	76	40
						155263	65.00	66.00	1.00	0.103	3	30	17	66	39
						155264	66.00	67.00	1.00	0.101	4	25	19	78	36
						155265	67.00	68.00	1.00	0.140	6	25	23	181	48
						155266	68.00	69.00	1.00	0.130	4	24	26	133	51

Drillhole: EB-21-49

Major		Code	Minor		Description	Samples				Pd Eg	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppm	ppb	ppb	ppm	ppm
4.30	72.16	VT GB?			Varitextured Gabbro? Continued	155267	69.00	70.00	1.00	0.147	5	27	29	157	58
						155268	70.00	71.00	1.00	0.167	5	36	38	146	58
					Lower contact sharp and irregular	155269	71.00	72.00	1.00	0.171	5	47	49	116	42
						155270	Blank			#VALUE!	<1	<5	<1	<0.5	1
72.16	127.25	GB			Gabbro	155271	72.00	73.00	1.00	0.169	5	41	36	125	66
					Medium to darker green-grey; massive; medium to coarse grained; occasional narrow intervals of more leucogabbroic material near top of unit; rare fine grained flecks of pyrite/chalcopyrite?	155272	73.00	74.00	1.00	0.191	7	47	51	103	71
					Lower contact gradational	155273	74.00	75.00	1.00	0.238	8	64	73	117	70
						155274	75.00	76.00	1.00	0.338	12	89	133	128	72
127.25	247.04	L/VT GB			Leuco/Varitextured Gabbro	155275	126.00	127.00	1.00	0.187	8	35	33	222	70
					More leucogabbroic than the gabbro above, with some minor variation in texture and composition, but again doesn't look like the typical VT GB seen in previous holes; occasional stringers and blebs of chalcopyrite (+/- pyrrhotite) - trace overall	155276	127.00	128.00	1.00	0.170	6	31	33	199	65
						155277	128.00	129.00	1.00	0.174	7	34	38	169	65
						155278	129.00	130.00	1.00	0.188	11	40	33	208	67
						155279	130.00	131.00	1.00	0.173	9	49	24	135	64
						155280	131.00	132.00	1.00	0.159	12	24	25	180	69
						155281	132.00	133.00	1.00	0.212	21	35	27	287	73
			134.73	135.00	Numerous stringers and disseminated fine grained chalcopyrite; trace to 0.5%	155282	133.00	134.00	1.00	0.142	6	32	25	110	65
						155283	134.00	135.00	1.00	0.217	14	43	37	278	67
						155284	Duplicate of 155283			0.241	15	44	38	379	68
						155285	135.00	136.00	1.00	0.154	10	26	30	150	64
			137.60	141.90	Weak to moderate brecciation with epidote stringers and seams and quarzt-carbonate	155286	136.00	137.00	1.00	0.162	6	42	32	127	61
						155287	137.00	138.00	1.00	0.132	4	32	25	86	65
						155288	138.00	139.00	1.00	0.132	4	30	21	111	66
			139.55	139.63	Coarse irregular bleb of chalcopyrite + pyrrhotite 1-2cm wide by ~8cm long	155289	139.00	140.00	1.00	0.713	11	20	21	2750	82
						155290	Standard CDN-ME-9			5.506	171	705	1480	6820	9560
					Remainder of unit exhibits occasional/trace occurrences of chalcopyrite throughout as fine grained flecks or small patches/groups of disseminated cpy up to several cm; commonly associated with leucoxene in more leucogabbroic rocks	155291	140.00	141.00	1.00	#VALUE!	<1	21	23	19	71
						155292	141.00	142.00	1.00	0.090	1	18	19	22	66
						155293	142.00	143.00	1.00	0.116	3	22	24	67	72
						155294	143.00	144.00	1.00	0.109	5	14	17	107	71

Drillhole: EB-21-49

Major		Code	Minor		Description	Samples				Pd Eg	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppm	ppb	ppb	ppm	ppm
127.25	247.04	L/VT GB			Leuco/Varitextured Gabbro (continued)	155295	144.00	145.00	1.00	0.101	3	16	17	72	70
						155296	145.00	146.00	1.00	0.120	3	21	18	120	72
						155297	146.00	147.00	1.00	0.122	4	24	20	107	67
						155298	147.00	148.00	1.00	0.107	4	17	15	92	71
						155299	148.00	149.00	1.00	0.145	6	27	28	142	68
						155300	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155301	149.00	150.00	1.00	0.169	5	37	44	122	70
						155302	150.00	151.00	1.00	0.121	3	26	21	85	67
						155303	151.00	152.00	1.00	0.170	8	45	39	76	70
						155304	152.00	153.00	1.00	0.187	11	40	34	203	67
						155305	153.00	154.00	1.00	0.183	6	42	44	164	64
						155306	154.00	155.00	1.00	0.127	7	20	20	133	69
						155307	155.00	156.00	1.00	0.108	4	17	16	91	70
						155308	156.00	157.00	1.00	0.174	5	40	45	111	78
						155309	157.00	158.00	1.00	0.206	7	47	59	148	69
						155310	Duplicate of 155309			0.228	8	55	71	142	70
						155311	158.00	159.00	1.00	0.100	4	13	12	116	57
						155312	159.00	160.00	1.00	0.104	5	12	13	134	56
						155313	160.00	161.00	1.00	0.114	3	17	19	131	55
						155314	161.00	162.00	1.00	0.129	3	25	23	136	60
						155315	162.00	163.00	1.00	0.120	4	25	16	139	53
						155316	163.00	164.00	1.00	0.133	5	24	18	173	60
						155317	164.00	165.00	1.00	0.123	4	28	17	83	69
						155318	165.00	166.00	1.00	0.125	4	21	23	118	69
						155319	166.00	167.00	1.00	0.106	6	16	18	74	64
						155320	Standard CDN-ME-9			5.393	171	719	1320	6910	9630
						155321	167.00	168.00	1.00	0.207	5	62	58	94	71
						155322	168.00	169.00	1.00	0.315	7	95	110	149	71
						155323	169.00	170.00	1.00	0.269	14	91	50	178	74
						155324	170.00	171.00	1.00	0.230	19	61	40	183	74
						155325	171.00	172.00	1.00	0.267	23	51	46	367	69
						155326	172.00	173.00	1.00	0.190	14	20	20	381	51
						155327	173.00	174.00	1.00	0.158	9	20	17	232	79
						155328	174.00	175.00	1.00	0.132	6	13	20	201	70
						155329	175.00	176.00	1.00	0.095	4	11	14	86	72
						155330	Blank			#VALUE!	<1	<5	<1	<0.5	2
						155331	176.00	177.00	1.00	0.158	6	30	36	137	71
						155332	177.00	178.00	1.00	0.164	6	44	29	136	66

Drillhole: EB-21-49

Major		Code	Minor		Description	Samples				Pd Eg	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppm	ppb	ppb	ppm	ppm
127.25	247.04	L/VT GB			Leuco/Varitextured Gabbro (continued)	155333	178.00	179.00	1.00	0.131	5	27	23	123	63
						155334	179.00	180.00	1.00	0.145	11	23	21	166	66
						155335	180.00	181.00	1.00	0.128	6	22	19	145	65
						155336	181.00	182.00	1.00	0.137	7	21	19	170	69
						155337	182.00	183.00	1.00	0.126	5	23	16	150	64
						155338	183.00	184.00	1.00	0.106	4	14	11	130	68
						155339	184.00	185.00	1.00	0.123	10	11	14	169	60
						155340	Duplicate of 155339			0.117	10	9	11	170	60
						155341	185.00	186.00	1.00	0.127	4	23	20	148	58
						155342	186.00	187.00	1.00	0.132	5	22	26	135	61
						155343	187.00	188.00	1.00	0.192	5	46	54	132	68
			188.70	192.00	Moderate to strong olive-green alteration of feldspar(?) - forms about 60% of rock, very fine grained; possibly saussuritization?	155344	188.00	189.00	1.00	0.209	6	62	49	135	62
						155345	189.00	190.00	1.00	0.037	14	0	0	46	8
						155346	190.00	191.00	1.00	0.117	6	34	29	52	39
						155347	191.00	192.00	1.00	0.097	17	14	21	56	32
						155348	192.00	193.00	1.00	0.092	3	10	12	91	63
						155349	193.00	194.00	1.00	0.075	3	0	11	69	67
						155350	Standard CDN-ME-9			5.114	143	620	1320	6660	9220
						155351	194.00	195.00	1.00	0.107	8	10	21	108	62
						155352	195.00	196.00	1.00	0.098	3	13	19	67	66
						155353	196.00	197.00	1.00	0.095	7	10	10	113	60
						155354	197.00	198.00	1.00	0.127	7	20	20	130	61
						155355	198.00	199.00	1.00	0.178	62	10	15	107	58
						155356	199.00	200.00	1.00	0.113	6	12	22	119	66
						155357	200.00	201.00	1.00	0.131	6	21	30	110	67
						155358	201.00	202.00	1.00	0.137	8	21	29	109	72
						155359	202.00	203.00	1.00	0.146	9	23	27	153	68
						155360	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155361	203.00	204.00	1.00	0.135	6	21	23	160	67
						155362	204.00	205.00	1.00	0.118	6	14	22	110	64
						155363	205.00	206.00	1.00	0.135	6	24	29	101	64
						155364	206.00	207.00	1.00	0.109	8	13	23	89	57
						155365	207.00	208.00	1.00	0.133	6	24	21	119	64
						155366	208.00	209.00	1.00	0.128	7	18	23	137	64
						155367	209.00	210.00	1.00	0.128	8	19	19	149	56
						155368	210.00	211.00	1.00	0.119	5	15	19	150	59
						155369	211.00	212.00	1.00	0.139	6	27	22	159	55

Drillhole: EB-21-49

Major		Code	Minor		Description	Samples				Pd Eg	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppm	ppb	ppb	ppm	ppm
						155370	Duplicate of 155369			0.143	6	26	25	168	56
127.25	247.04	L/VT GB			Leuco/Varitextured Gabbro (continued)	155371	212.00	213.00	1.00	0.095	5	7	16	117	55
						155372	213.00	214.00	1.00	0.124	8	13	18	183	57
						155373	214.00	215.00	1.00	0.105	3	9	13	71	134
						155374	215.00	216.00	1.00	0.116	4	23	15	124	65
						155375	216.00	217.00	1.00	0.094	3	12	10	36	133
						155376	217.00	218.00	1.00	0.382	214	7	8	181	24
						155377	218.00	219.00	1.00	0.136	4	14	16	239	60
						155378	219.00	220.00	1.00	0.094	2	0	11	173	58
						155379	220.00	221.00	1.00	0.076	2	11	10	51	82
						155380	Standard CDN-ME-9			5.294	201	642	1340	6970	9090
						155381	221.00	222.00	1.00	0.071	1	10	11	30	88
						155382	222.00	223.00	1.00	0.083	4	8	11	51	96
						155383	223.00	224.00	1.00	0.065	2	0	3	70	88
						155384	224.00	225.00	1.00	0.067	2	0	5	41	100
						155385	225.00	226.00	1.00	0.061	0	6	5	32	88
						155386	226.00	227.00	1.00	0.068	1	0	7	58	95
						155387	227.00	228.00	1.00	0.058	2	0	6	58	74
						155388	228.00	229.00	1.00	0.055	0	0	7	54	78

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE
Hole Number:	**EB-21-50**
Length:	200m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403853
UTM Northing:	5141350
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	363m(?)
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-01-26
Date Completed:	2021-01-28
Drilling Company:	Vital Drilling
Date Logged:	January 28 - 29
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
15m	-58.3	189.6	54681	corrected az. = 180.4
101m	-59.2	190.7	50050	corrected az. = 181.5
200m	-58.4	191.0	54896	corrected az. = 181.8

Core Storage:	61 Mailloux Rd., Walford, Ontario
Comments:	Hole was re-started due to cave at 38m on first attempt

Drillhole: EB-21-50

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						155418	7.00	8.00	1.00	0.108	5	19	13	85	74
0.00	7.00	CAS			Casing/Overburden	155419	8.00	9.00	1.00	0.083	4	7	10	59	80
						155420	9.00	10.00	1.00	#VALUE!	3	<5	8	37	72
7.00	78.00	VT GB			Varitextured Gabbro	155421	10.00	11.00	1.00	0.095	3	13	9	87	72
					Medium to lighter grey-green; medium to coarse grained; massive; appears to be a mix of mainly gabbro and leucogabbro, with more subtle variations than seen in previous holes to the east, in which the variations were more pronounced; chalcopyrite first noted at ~21m, generally fine to very fine grained, often in small patches of disseminated mineralization and often associated with leucoxene; trace chalcopyrite (+/- pyrrhotite) overall	155422	11.00	12.00	1.00	0.086	3	16	7	55	66
						155423	12.00	13.00	1.00	0.085	2	14	9	55	66
					Lower contact gradational	155424	13.00	14.00	1.00	0.096	3	17	11	50	73
						155425	14.00	15.00	1.00	0.081	4	7	8	77	63
						155426	15.00	16.00	1.00	0.096	2	16	10	79	71
						155427	16.00	17.00	1.00	0.097	1	20	13	49	68
						155428	17.00	18.00	1.00	0.100	3	18	10	89	63
						155429	18.00	19.00	1.00	0.100	3	16	11	95	62
						155430	Standard CDN-ME-9			5.402	184	752	1410	6730	8910
						155431	19.00	20.00	1.00	0.165	3	52	30	74	73
						155432	20.00	21.00	1.00	0.347	8	128	95	150	73
						155433	21.00	22.00	1.00	0.383	4	141	138	70	70
						155434	22.00	23.00	1.00	0.443	23	157	143	107	70
						155435	23.00	24.00	1.00	0.386	53	101	101	165	69
						155436	24.00	25.00	1.00	0.188	8	54	28	132	67
						155437	25.00	26.00	1.00	0.179	11	33	26	211	70
						155438	26.00	27.00	1.00	0.168	9	29	27	199	64
						155439	27.00	28.00	1.00	0.159	6	32	20	198	61
						155440	Blank			#VALUE!	<1	5	<1	<0.5	<0.5
						155441	28.00	29.00	1.00	0.156	7	28	25	185	57
						155442	29.00	30.00	1.00	0.175	6	44	30	185	55
						155443	30.00	31.00	1.00	0.151	6	21	28	207	55
						155444	31.00	32.00	1.00	0.177	8	29	24	255	67
						155445	32.00	33.00	1.00	0.193	16	34	28	238	61
						155446	33.00	34.00	1.00	0.160	6	29	28	182	61
						155447	34.00	35.00	1.00	0.172	6	31	41	162	65
						155448	35.00	36.00	1.00	0.201	8	46	42	191	67
						155449	36.00	37.00	1.00	0.188	7	47	46	145	50
						155450	Duplicate of 155449			0.171	6	35	41	164	49

Drillhole: EB-21-50

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
7.00	78.00	VT GB			Varitextured Gabbro (continued)	155451	37.00	38.00	1.00	0.217	8	52	61	153	57
						155452	38.00	39.00	1.00	0.193	10	36	36	236	63
						155453	39.00	40.00	1.00	0.179	5	44	43	126	57
						155454	40.00	41.00	1.00	0.236	12	57	46	247	64
						155455	41.00	42.00	1.00	0.203	14	45	32	213	65
						155456	42.00	43.00	1.00	0.110	4	16	16	120	54
						155457	43.00	44.00	1.00	0.143	7	25	20	163	70
						155458	44.00	45.00	1.00	0.125	5	14	21	147	67
						155459	45.00	46.00	1.00	0.117	3	20	22	94	69
						155460	Duplicate of 155459			0.129	5	14	22	166	71
						155461	46.00	47.00	1.00	0.126	4	23	23	118	59
						155462	47.00	48.00	1.00	0.143	8	23	32	107	68
						155463	48.00	49.00	1.00	0.161	7	28	32	163	68
						155464	49.00	50.00	1.00	0.246	10	54	66	203	115
						155465	50.00	51.00	1.00	0.201	6	53	51	127	64
						155466	51.00	52.00	1.00	0.189	9	57	29	145	67
						155467	52.00	53.00	1.00	0.147	9	26	24	139	68
						155468	53.00	54.00	1.00	0.120	5	19	16	125	66
						155469	54.00	55.00	1.00	0.121	4	17	19	124	89
						155470	Blank			#VALUE!	<1	<5	<1	<0.5	<0.5
						155471	55.00	56.00	1.00	0.106	4	15	18	94	69
						155472	56.00	57.00	1.00	0.118	4	20	19	115	64
						155473	57.00	58.00	1.00	0.119	4	22	19	101	65
						155474	58.00	59.00	1.00	0.136	4	28	34	77	68
						155475	59.00	60.00	1.00	0.142	7	31	28	95	68
						155476	60.00	61.00	1.00	0.203	7	59	52	100	71
						155477	61.00	62.00	1.00	0.166	8	48	29	101	68
						155478	62.00	63.00	1.00	0.131	7	24	24	99	67
						155479	63.00	64.00	1.00	0.173	9	26	25	187	168
						155480	Duplicate of 155479			0.149	7	26	21	100	199
						155481	64.00	65.00	1.00	0.145	9	18	21	95	247
						155482	65.00	66.00	1.00	0.186	10	47	43	117	64
						155483	66.00	67.00	1.00	0.153	10	33	27	133	61
						155484	67.00	68.00	1.00	0.324	9	139	72	124	63
						155485	68.00	69.00	1.00	1.213	748	36	28	109	69
						155486	69.00	70.00	1.00	0.166	6	40	39	111	69
						155487	70.00	71.00	1.00	0.176	5	35	42	180	67
						155488	71.00	72.00	1.00	4.999	3430	19	10	66	72

Drillhole: EB-21-50

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
7.00	78.00	VT GB			Varitextured Gabbro (continued)	155489	72.00	73.00	1.00	0.178	49	21	10	96	69
						155490	Standard CDN-ME-9			5.459	168	690	1420	6720	9960
						155491	73.00	74.00	1.00	0.109	4	10	9	163	67
						155492	74.00	75.00	1.00	0.081	6	16	13	40	41
						155493	75.00	76.00	1.00	0.111	2	13	14	105	82
						155494	76.00	77.00	1.00	0.105	3	10	14	147	62
78.00	116.18	LG			Leucogabbro	155495	77.00	78.00	1.00	0.077	0	13	12	36	63
					More typical massive leucogabbro; medium to light green-grey; coarse grained; massive; local moderate epidote alteration/seams +/- saussuritization(?); rare/trace chalcopyrite - very fine grained disseminated	155496	78.00	79.00	1.00	0.076	2	8	13	58	59
						155497	79.00	80.00	1.00	0.091	1	9	17	90	66
						155498	80.00	81.00	1.00	0.123	3	20	25	123	66
						155499	81.00	82.00	1.00	0.117	2	16	22	121	71
						155500	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155501	82.00	83.00	1.00	0.111	2	16	21	99	67
						155502	83.00	84.00	1.00	0.119	3	21	20	125	61
						155503	84.00	85.00	1.00	0.127	4	23	28	97	63
						155504	85.00	86.00	1.00	0.178	3	48	49	80	68
						155505	86.00	87.00	1.00	0.160	5	37	39	124	59
						155506	87.00	88.00	1.00	0.172	5	43	40	127	63
						155507	88.00	89.00	1.00	0.183	5	49	50	107	58
						155508	89.00	90.00	1.00	0.133	2	35	28	84	56
						155509	90.00	91.00	1.00	0.156	6	31	28	171	61
						155510	Duplicate of 155509			0.156	6	29	26	186	61
						155511	91.00	92.00	1.00	0.155	6	28	27	193	60
						155512	92.00	93.00	1.00	0.138	5	26	26	149	55
						155513	93.00	94.00	1.00	0.162	4	16	27	298	63
						155514	94.00	95.00	1.00	0.135	3	22	33	125	61
						155515	95.00	96.00	1.00	0.136	4	22	24	167	62
						155516	96.00	97.00	1.00	0.115	4	18	21	114	59
						155517	97.00	98.00	1.00	0.127	4	22	18	149	64
						155518	98.00	99.00	1.00	0.120	5	20	18	134	58
						155519	99.00	100.00	1.00	0.112	3	22	17	113	56
						155520	Standard CDN-ME-9			5.649	174	773	1470	6920	9870
						155521	100.00	101.00	1.00	0.103	2	12	18	127	63
						155522	101.00	102.00	1.00	0.082	0	16	19	34	62
						155523	102.00	103.00	1.00	0.117	4	20	19	117	67
						155524	103.00	104.00	1.00	0.108	2	21	17	102	61

Drillhole: EB-21-50

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
78.00	116.18	LG			Leucogabbro (continued)	155525	104.00	105.00	1.00	0.106	1	16	23	90	65
						155526	105.00	106.00	1.00	0.103	2	14	21	96	69
						155527	106.00	107.00	1.00	0.106	2	14	21	109	66
						155528	107.00	108.00	1.00	0.124	4	12	20	186	68
						155529	108.00	109.00	1.00	0.101	2	18	17	90	64
						155530	Blank			#VALUE!	0	<5	<1	<0.5	<0.5
						155531	109.00	110.00	1.00	0.092	2	14	17	74	63
						155532	110.00	111.00	1.00	0.057	0	8	10	43	44
						155533	111.00	112.00	1.00	0.138	4	19	11	242	65
						155534	112.00	113.00	1.00	0.111	2	16	18	144	56
					Lower contact sharp and regular at 60° to c.a.	155535	113.00	114.00	1.00	0.192	2	54	64	60	94
						155536	114.00	115.00	1.00	0.062	0	0	9	38	101
116.18	153.72	VT GB			Varitextured Gabbro	155537	115.00	116.00	1.00	0.106	4	10	8	182	70
					Looks like a more typical varitextured gabbro, with a mix of gabbro, melagabbro and leucogabbro; fine to coarse grained; light to dark grey-green; massive to locally foliated at 50-60° to c.a.; occasional narrow intervals that could be felsic/syenite dykes (siliceous, buff-coloured); trace chalcopyrite throughout, locally up to 1-2% over 20-30 cm, occurring as blebs/stringers/disseminated, often in patches	155538	116.00	117.00	1.00	0.095	0	6	8	21	218
						155539	117.00	118.00	1.00	0.100	0	0	14	28	244
						155540	Duplicate of 155539			0.100	0	0	16	34	241
						155541	118.00	119.00	1.00	0.224	3	10	30	117	485
						155542	119.00	120.00	1.00	14.808	127	3920	9560	284	529
						155543	120.00	121.00	1.00	4.611	106	753	3370	336	272
						155544	121.00	122.00	1.00	0.184	3	38	71	99	103
						155545	122.00	123.00	1.00	0.041	0	0	2	152	3
						155546	123.00	124.00	1.00	0.038	0	0	0	137	3
						155547	124.00	125.00	1.00	0.084	0	0	0	305	5
						155548	125.00	126.00	1.00	0.287	30	25	36	557	169
						155549	126.00	127.00	1.00	0.881	36	81	345	1280	429
						155550	Blank			5.540	151	759	1460	6940	9470
						155551	127.00	128.00	1.00	0.306	9	36	131	225	223
						155552	128.00	129.00	1.00	0.518	15	77	229	416	261
						155553	129.00	130.00	1.00	0.681	41	95	291	747	168
						155554	130.00	131.00	1.00	1.260	59	170	546	1410	463
						155555	131.00	132.00	1.00	1.177	78	164	479	1250	386
						155556	132.00	133.00	1.00	1.150	65	143	513	1170	384
						155557	133.00	134.00	1.00	0.372	18	50	135	343	210

Drillhole: EB-21-50

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
116.18	153.72	VT GB			Varitextured Gabbro (continued)	155558	134.00	135.00	1.00	0.703	31	130	263	674	284
						155559	135.00	136.00	1.00	0.636	17	91	384	234	188
						155560	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155561	136.00	137.00	1.00	0.167	9	18	34	217	123
						155562	137.00	138.00	1.00	0.649	45	126	167	788	306
						155563	138.00	139.00	1.00	2.411	89	441	1240	1760	468
						155564	139.00	140.00	1.00	4.942	257	886	2500	3730	771
						155565	140.00	141.00	1.00	1.428	88	207	665	1390	325
						155566	Duplicate of 155565			1.762	78	244	779	2210	368
						155567	141.00	142.00	1.00	0.335	22	18	78	810	85
					chalcopyrite content decreases below ~142m	155568	142.00	143.00	1.00	0.314	16	16	53	864	93
						155569	143.00	144.00	1.00	0.367	24	40	143	495	100
						155570	144.00	145.00	1.00	0.844	48	97	337	1160	218
						155571	145.00	146.00	1.00	0.602	23	62	241	999	122
						155572	146.00	147.00	1.00	0.884	28	140	416	846	243
			148.00	153.72	Fault/Deformation Zone; moderately broken/blocky core; occasional narrow gouge seams <5cm; moderate quartz-carbonate veinlets at variable core angles and weak brecciation	155573	147.00	148.00	1.00	0.750	30	107	323	761	267
						155574	148.00	149.00	1.00	0.993	83	117	384	1080	347
						155575	149.00	150.00	1.00	0.653	51	58	194	1040	263
						155576	150.00	151.00	1.00	0.609	51	44	152	1250	130
					Last chalcopyrite noted at 153.43m	155577	151.00	152.00	1.00	1.795	86	220	806	2130	540
					Lower contact sharp and regular at 60° to c.a.	155578	152.00	153.00	1.00	1.714	85	223	746	1970	594
153.72	200.00	MD			Mafic Dyke (Volcanic?)	155579	153.00	154.00	1.00	0.404	24	72	79	601	211
					Medium green-grey; medium to coarse grained; massive; porphyritic down to ~178m with ~5% irregular plagioclase phenocrysts up to 2-3cm; trace pyrrhotite, locally up to 2-3% in rounded blebs/pods up to 1cm at about 191 to 192m; occasional bull quartz vein downhole from 10 to 50cm	155580	Standard CDN-ME-9			5.279	180	716	1420	6520	8660
						155581	154.00	155.00	1.00	0.288	10	56	87	260	166
						155582	155.00	156.00	1.00	0.416	19	89	127	411	173
						155583	156.00	157.00	1.00	0.247	13	40	63	298	138
						155584	157.00	158.00	1.00	0.289	14	59	83	275	138
200.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE
Hole Number:	**EB-20-51**
Length:	225m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403777
UTM Northing:	5141331
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	376m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-01-28
Date Completed:	2021-01-31
Drilling Company:	Vital Drilling
Date Logged:	January 31 to February 3
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
26m	59.7	192.0	55118	corrected az. = 182.8
101m	58.9	193.3	54827	corrected az. = 184.1
200m	-58.8	195.8	56141	corrected az. = 186.6
225m	-58.9	192.1	56515	corrected az. = 182.9

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-20-51

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						155585	1.00	2.00	1.00	0.187	3	68	29	103	76
0.00	1.00	CAS			Casing/Overburden	155586	2.00	3.00	1.00	0.449	5	181	156	70	68
						155587	3.00	4.00	1.00	0.473	5	165	200	58	70
1.00	39.25	VT GB			Varitextured Gabbro	155588	4.00	5.00	1.00	0.211	42	37	28	139	67
					Medium to lighter grey-green; medium to coarse grained; massive; appears to be a mix of mainly leucogabbro with gabbro, and possibly some narrow intervals of melagabbro in the top 15m; local epidote alteration of feldpsar and seams; chalcopyrite first noted at ~3m, fine to very fine grained, disseminated and often in small patches/clusters and often associated with leucoxene; trace cpy overall	155589	5.00	6.00	1.00	0.191	13	31	30	266	69
						155590	Standard CDN-ME-9			5.088	175	655	1290	6460	8900
						155591	6.00	7.00	1.00	0.165	8	26	29	214	65
						155592	7.00	8.00	1.00	0.149	5	26	25	180	65
						155593	8.00	9.00	1.00	0.144	6	26	22	161	64
						155594	9.00	10.00	1.00	0.155	6	30	27	165	65
						155595	10.00	11.00	1.00	0.152	9	28	25	170	59
						155596	11.00	12.00	1.00	0.115	4	17	16	131	57
						155597	12.00	13.00	1.00	0.156	7	23	23	227	64
						155598	13.00	14.00	1.00	0.152	6	24	25	191	67
						155599	14.00	15.00	1.00	0.151	4	34	28	141	60
						155600	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155601	15.00	16.00	1.00	0.189	7	38	40	222	63
						155602	16.00	17.00	1.00	0.183	7	32	54	159	67
						155603	17.00	18.00	1.00	0.182	5	45	41	145	64
						155604	18.00	19.00	1.00	0.167	10	28	19	258	56
						155605	19.00	20.00	1.00	0.175	9	28	29	253	59
						155606	20.00	21.00	1.00	0.107	4	17	15	107	55
						155607	21.00	22.00	1.00	0.102	3	16	15	88	61
						155608	22.00	23.00	1.00	0.085	3	15	16	33	60
						155609	23.00	24.00	1.00	0.137	4	18	77	41	32
						155610	24.00	25.00	1.00	0.163	6	36	27	182	60
						155611	Duplicate of 155610			0.162	5	33	28	199	57
						155612	25.00	26.00	1.00	0.128	6	17	22	155	64
						155613	26.00	27.00	1.00	0.147	8	23	20	193	73
						155614	27.00	28.00	1.00	0.102	2	22	20	61	64
						155615	28.00	29.00	1.00	0.165	5	38	41	105	65
						155616	29.00	30.00	1.00	0.132	4	28	24	105	62
						155617	30.00	31.00	1.00	0.106	4	17	15	99	62
						155618	31.00	32.00	1.00	0.089	3	12	11	64	79

Drillhole: EB-20-51

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
1.00	39.25	VT GB			Varitextured Gabbro (continued)	155619	32.00	33.00	1.00	0.101	3	16	14	97	65
						155620	Standard CDN-ME-9			5.155	200	655	1330	6470	8830
						155621	33.00	34.00	1.00	0.147	6	34	30	133	65
						155622	34.00	35.00	1.00	0.181	6	58	36	82	68
						155623	35.00	36.00	1.00	0.174	4	49	35	128	69
						155624	36.00	37.00	1.00	0.122	4	24	18	121	67
					Lower contact somewhat arbitrary/sharp at 45° to c.a.	155625	37.00	38.00	1.00	0.112	3	18	17	118	68
						155626	38.00	39.00	1.00	0.123	4	23	16	136	68
39.25	91.55	LG			Leucogabbro	155627	39.00	40.00	1.00	0.127	4	28	20	129	55
					Generally a more homogeneous massive unit than above; medium to light grey-green; coarse grained; massive; occasional epidote seams at variable core angles; trace chalcopyrite overall, as disseminated, blebs, stringers and rare veinlets	155628	40.00	41.00	1.00	0.109	3	18	19	83	67
						155629	41.00	42.00	1.00	0.223	11	59	63	121	73
						155630	Blank			#VALUE!	<1	<5	1	<0.5	1
			43.60	44.92	Syenite dyke; reddish-orange; fine grained; massive; irregular contacts	155631	42.00	43.00	1.00	0.274	12	80	76	170	68
						155632	43.00	44.00	1.00	0.174	7	47	45	140	45
						155633	44.00	45.00	1.00	0.022	1	7	3	17	9
						155634	45.00	46.00	1.00	0.145	5	43	33	92	52
						155635	46.00	47.00	1.00	0.129	16	32	26	92	38
						155636	47.00	48.00	1.00	0.161	7	32	16	237	70
						155637	48.00	49.00	1.00	0.130	5	17	9	225	60
						155638	49.00	50.00	1.00	0.114	3	23	13	124	58
						155639	50.00	51.00	1.00	0.109	4	12	13	145	85
						155640	Duplicate of 155639			0.112	3	17	13	139	89
						155641	51.00	52.00	1.00	0.097	3	10	13	126	58
						155642	52.00	53.00	1.00	0.102	6	16	16	94	57
						155643	53.00	54.00	1.00	0.122	4	16	21	149	68
						155644	54.00	55.00	1.00	0.101	3	16	18	83	65
						155645	55.00	56.00	1.00	0.104	2	20	19	60	69
						155646	56.00	57.00	1.00	0.119	3	18	19	137	66
						155647	57.00	58.00	1.00	0.124	4	20	18	152	66
						155648	58.00	59.00	1.00	0.123	4	21	21	137	61
						155649	59.00	60.00	1.00	0.093	4	14	14	97	53
						155650	Standard CDN-ME-9			5.177	190	670	1330	6520	8890
						155651	60.00	61.00	1.00	0.140	9	32	26	122	58
						155652	61.00	62.00	1.00	0.129	6	27	22	108	62
						155653	62.00	63.00	1.00	0.112	2	16	23	101	64

Drillhole: EB-20-51

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
39.25	91.55	LG			Leucogabbro (continued)	155654	63.00	64.00	1.00	0.127	4	22	26	125	62
						155655	64.00	65.00	1.00	0.136	9	22	27	94	76
						155656	65.00	66.00	1.00	0.124	4	23	28	81	69
						155657	66.00	67.00	1.00	0.188	51	17	17	201	44
						155658	67.00	68.00	1.00	0.198	78	14	15	97	48
			69.87	70.87	Mafic Dyke; Medium to dark grey; fine to medium grained; massive; common quartz-carbonate fractures/veinlets predominantly at 60° to c.a.; contacts sharp/regular at 60° to c.a.	155659	68.00	69.00	1.00	0.142	27	11	19	125	62
						155660	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155661	69.00	70.00	1.00	0.097	2	7	14	99	110
						155662	70.00	71.00	1.00	0.174	53	3	4	48	334
			72.20	91.55	Occasional chalcopyrite blebs, stringers and thin veinlets, with pyrrhotite; trace overall	155663	71.00	72.00	1.00	0.106	3	14	16	117	68
						155664	72.00	73.00	1.00	0.151	4	15	16	271	73
						155665	73.00	74.00	1.00	0.100	3	8	17	123	71
						155666	74.00	75.00	1.00	0.096	2	10	16	100	75
						155667	75.00	76.00	1.00	0.104	2	15	14	118	69
						155668	76.00	77.00	1.00	0.092	2	11	11	113	62
						155669	77.00	78.00	1.00	0.101	2	16	13	105	67
						155670	78.00	79.00	1.00	0.175	7	43	22	216	64
						155671	Duplicate of 155670			0.149	29	11	14	171	64
						155672	79.00	80.00	1.00	0.103	5	17	13	107	61
						155673	80.00	81.00	1.00	0.091	2	14	14	65	76
						155674	81.00	82.00	1.00	0.097	5	12	16	96	63
						155675	82.00	83.00	1.00	0.084	2	8	11	84	69
						155676	83.00	84.00	1.00	1.355	14	428	650	480	78
						155677	84.00	85.00	1.00	4.236	90	1210	2300	1030	193
						155678	85.00	86.00	1.00	0.227	5	26	94	179	102
						155679	86.00	87.00	1.00	2.019	38	275	1550	107	133
						155680	Standard CDN-ME-9			5.377	150	706	1360	6970	9430
						155681	87.00	88.00	1.00	0.225	3	61	53	78	232
						155682	88.00	89.00	1.00	0.285	3	75	77	90	264
						155683	89.00	90.00	1.00	0.120	2	9	12	88	227
					Lower contact gradational/arbitrary	155684	90.00	91.00	1.00	0.132	3	9	29	115	171
						155685	91.00	92.00	1.00	0.305	4	47	173	90	142
						155686	92.00	93.00	1.00	1.100	73	153	452	1250	349
						155687	93.00	94.00	1.00	1.060	35	127	458	1350	459
						155688	94.00	95.00	1.00	0.940	35	131	360	1300	360

Drillhole: EB-20-51

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						155689	95.00	96.00	1.00	3.300	109	412	1420	4490	1200
91.55	132.48	VT GB			Varitextured Gabbro	155690	Blank			#VALUE!	1	<5	2	4	3
					More typical VT GB with mix of gabbro, melagabbro and leucogabbro; generally medium to coarse grained; medium green-grey to locally lighter and darker; massive; chalcopyrite +/- pyrrhotite throughout as disseminated, blebs up to 2cm and stringers; trace overall - locally up to 1% over 40-50cm	155691	96.00	97.00	1.00	2.316	85	242	1160	2560	860
						155692	97.00	98.00	1.00	0.990	62	107	373	1310	469
			91.55	106.50	Appears to be a higher grade, more mineralized interval; possibly up to 0.5% cpy + po over the entire interval	155693	98.00	99.00	1.00	0.875	49	100	353	1070	400
						155694	99.00	100.00	1.00	1.031	56	141	412	1170	459
					Occasional irregular bull quartz veins up to 20cm	155695	100.00	101.00	1.00	0.516	20	61	253	440	215
						155696	101.00	102.00	1.00	0.467	20	62	188	504	228
						155697	102.00	103.00	1.00	0.225	8	27	93	180	154
						155698	103.00	104.00	1.00	0.223	11	27	89	179	134
						155699	104.00	105.00	1.00	1.145	69	151	532	1040	410
						155700	105.00	106.00	1.00	0.240	24	20	92	195	111
						155701	106.00	107.00	1.00	1.339	85	189	648	1040	413
						155702	Duplicate of 155701			0.962	46	159	450	838	218
						155703	107.00	108.00	1.00	0.267	9	50	99	172	162
						155704	108.00	109.00	1.00	0.384	48	54	117	304	212
						155705	109.00	110.00	1.00	0.389	13	76	145	289	222
						155706	110.00	111.00	1.00	0.734	23	101	372	578	276
						155707	111.00	112.00	1.00	0.334	14	60	121	283	192
						155708	112.00	113.00	1.00	1.204	68	198	508	1110	445
						155709	113.00	114.00	1.00	0.577	30	87	233	556	244
						155710	Standard CDN-ME-9			5.231	146	649	1350	6740	9430
						155711	114.00	115.00	1.00	0.199	13	27	61	179	126
						155712	115.00	116.00	1.00	0.156	8	34	50	65	96
						155713	116.00	117.00	1.00	0.174	23	15	38	147	149
						155714	117.00	118.00	1.00	0.274	7	84	72	176	137
						155715	118.00	119.00	1.00	0.323	37	54	93	296	154
						155716	119.00	120.00	1.00	0.144	5	23	45	91	101
						155717	120.00	121.00	1.00	0.570	38	95	148	733	319
			123.50	125.50	Fault Zone; 10-20cm of gouge; ~10cm of clay/mud; common broken/blocky/vuggy/pitted core	155718	121.00	122.00	1.00	0.439	17	57	125	693	223
						155719	122.00	123.00	1.00	0.267	14	39	76	249	216
						155720	Blank			#VALUE!	<1	<5	<1	2	5
						155721	123.00	124.00	1.00	0.173	3	31	43	132	156

Drillhole: EB-20-51

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
91.55	132.48	VT GB			Varitextured Gabbro (continued)	155722	124.00	125.00	1.00	0.136	4	8	17	192	121
						155723	125.00	126.00	1.00	0.362	8	75	141	223	194
						155724	126.00	127.00	1.00	1.589	73	299	648	1640	420
						155725	127.00	128.00	1.00	1.537	94	361	462	1780	409
						155726	128.00	129.00	1.00	1.540	95	217	610	1930	389
					Chalcopyrite last noted at lower contact	155727	129.00	130.00	1.00	0.179	4	19	63	120	166
					Lower contact fairly sharp and irregular	155728	130.00	131.00	1.00	1.230	35	224	791	240	166
						155729	131.00	132.00	1.00	0.620	14	116	239	670	246
132.48	175.50	MV/MD			Mafic Volcanic/Dyke	155730	132.00	133.00	1.00	1.181	27	205	400	1820	353
					Medium green-grey; fine to locally medium grained; massive; occasional quartz and feldspar veining, irregular, up to 20-30cm; local pyrite mineralization (trace);	155731	Duplicate of 155730			1.143	47	165	362	1900	371
					Lower contact sharp and regular at 70° to c.a.	155732	133.00	134.00	1.00	0.082	5	8	3	36	154
						155733	134.00	135.00	1.00	0.090	2	8	14	32	160
						155734	135.00	136.00	1.00	0.244	3	26	110	11	275
175.50	225.00	GB			Gabbro										
					Medium green-grey; medium grained; massive; local epidote alteration; becomes magnetic below 207m										
						155735	183.00	184.00	1.00	0.118	3	30	39	26	65
			184.30	184.70	Up to 1% stringers and blebs of pyrrhotite with trace chalcopyrite	155736	184.00	185.00	1.00	0.384	25	32	52	860	146
						155737	185.00	186.00	1.00	0.226	9	51	77	116	117
225.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE / EOH ZONE
Hole Number:	**EB-20-52**
Length:	230m; **extended to 284m on June 12, 2021**
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403703
UTM Northing:	5141350
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	384m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-02-01; extension June 12, 2021
Date Completed:	2021-02-03
Drilling Company:	Vital Drilling
Date Logged:	February 4 to 5; extension June 13
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
15m	-55.9	198.0	55158	corrected az. = 188.8
101m	-55.9	199.6	54785	corrected az. = 190.4
200m	-54.7	34.6	100102	corrected az. = *see below
225m	-54.4	204.5	55452	corrected az. = 195.3
284m	-54.1	203.9	55520	corrected az. = 194.7

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments: *Something was obviously wrong with this reading

The magnetic reading is very high

Note: Hole was extended June 12, 2021 to determine the extent of the mineralization at the end of hole

Drillhole: EB-20-52

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						155738	47.00	48.00	1.00	0.105	9	17	16	106	48
0.00	1.70	CAS			Casing/Overburden	155739	48.00	49.00	1.00	0.130	5	22	24	134	62
						155740	49.00	50.00	1.00	0.140	5	26	27	142	67
1.70	89.25	LG			Leucogabbro	155741	50.00	51.00	1.00	0.129	5	20	20	157	59
					Medium to light grey-green; coarse to medium grained; massive; local epidote alteration; rare/trace very fine grained chalcopyrite first noted at 49.10m	155742	51.00	52.00	1.00	0.133	5	24	22	146	61
						155743	52.00	53.00	1.00	0.103	4	12	14	135	57
						155744	53.00	54.00	1.00	0.094	2	14	13	101	60
						155745	54.00	55.00	1.00	0.104	4	16	13	107	65
						155746	55.00	56.00	1.00	0.097	4	9	12	126	62
						155747	56.00	57.00	1.00	0.110	4	14	15	132	66
						155748	57.00	58.00	1.00	0.122	3	25	18	124	56
						155749	58.00	59.00	1.00	0.115	4	16	21	124	65
						155750	Standard CDN-ME-9			5.442	145	697	1380	6980	9840
						155751	59.00	60.00	1.00	0.095	5	10	16	90	63
						155752	60.00	61.00	1.00	0.094	4	9	16	90	66
						155753	61.00	62.00	1.00	0.091	3	14	18	61	57
						155754	62.00	63.00	1.00	0.124	8	18	21	140	58
						155755	63.00	64.00	1.00	0.108	4	11	25	107	62
						155756	64.00	65.00	1.00	0.102	3	13	29	48	68
			66.10	73.25	Dyke(?) with faulting at upper contact; ~20-30cm of broken/blocky core that appears to be the start of a dyke that varies from dark grey to pale green/buff; looks like possibly a mafic dyke with inclusions of leucogabbro; lower contact sharp and regular at 60° to c.a.	155757	65.00	66.00	1.00	0.088	5	8	10	112	38
						155758	66.00	67.00	1.00	0.134	2	3	1	427	9
						155759	67.00	68.00	1.00	0.071	2	3	3	167	11
						155760	Blank			#VALUE!	1	3	1	<0.5	<0.5
						155761	68.00	69.00	1.00	0.016	1	3	1	10	5
						155762	69.00	70.00	1.00	0.032	1	3	1	50	6
						155763	70.00	71.00	1.00	0.095	17	9	7	100	33
						155764	71.00	72.00	1.00	0.111	3	5	8	49	332
						155765	72.00	73.00	1.00	0.099	2	3	23	42	200
						155766	73.00	74.00	1.00	0.093	2	10	14	70	99
						155767	74.00	75.00	1.00	0.079	2	7	9	55	103
						155768	75.00	76.00	1.00	0.087	1	17	17	19	64
						155769	76.00	77.00	1.00	0.128	10	18	12	190	51
						155770	Duplicate of 155769			0.121	7	25	13	128	52
						155771	77.00	78.00	1.00	0.107	5	12	10	156	59

Drillhole: EB-20-52

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
1.70	89.25	LG			Leucogabbro (continued)	155772	78.00	79.00	1.00	0.065	1	25	12	2	30
						155773	79.00	80.00	1.00	0.093	1	21	19	31	64
						155774	80.00	81.00	1.00	0.068	3	3	4	130	45
						155775	81.00	82.00	1.00	0.069	2	7	8	21	102
						155776	82.00	83.00	1.00	0.072	2	7	6	31	107
						155777	83.00	84.00	1.00	0.078	2	7	6	44	125
						155778	84.00	85.00	1.00	0.044	3	3	3	48	41
						155779	85.00	86.00	1.00	0.083	5	3	5	115	92
						155780	Standard CDN-ME-9			5.373	149	717	1340	6900	9560
					Lower contact sharp and regular at 45° to c.a.	155781	86.00	87.00	1.00	0.131	3	15	15	97	223
						155782	87.00	88.00	1.00	0.359	4	176	43	84	238
89.25	169.12	VT GB			Varitextured Gabbro	155783	88.00	89.00	1.00	0.096	3	11	42	24	76
					Medium grey-green to locally lighter and darker; fine to coarse grained; generally massive; mix of gabbro, melagabbro and leucogabbro; trace chalcopyrite + pyrrhotite overall (occasionally only po visible), occurring as fine to very fine grained disseminated, blebs and stringers	155784	89.00	90.00	1.00	0.096	2	11	11	18	188
						155785	90.00	91.00	1.00	0.375	12	34	208	63	334
						155786	91.00	92.00	1.00	0.127	5	9	16	81	220
						155787	92.00	93.00	1.00	0.157	6	10	31	178	181
						155788	93.00	94.00	1.00	0.152	6	13	22	85	263
						155789	94.00	95.00	1.00	0.111	8	3	9	186	106
						155790	Blank			#VALUE!	<1	<5	<1	<0.5	1
						155791	95.00	96.00	1.00	0.083	3	5	11	89	99
						155792	96.00	97.00	1.00	0.500	18	93	166	548	247
						155793	97.00	98.00	1.00	0.209	7	32	54	166	210
						155794	98.00	99.00	1.00	0.408	10	35	222	262	227
						155795	99.00	100.00	1.00	0.173	13	3	9	402	179
			101.50	108.00	Appears to be a higher grade/better mineralized interval or zone, with local very fine grained disseminated cpy + po that could be up to 1-2% over one metre	155796	100.00	101.00	1.00	1.010	43	128	481	960	404
						155797	101.00	102.00	1.00	0.245	16	18	67	427	97
						155798	102.00	103.00	1.00	0.331	18	18	95	665	84
						155799	103.00	104.00	1.00	0.097	6	3	1	200	74
						155800	104.00	105.00	1.00	1.135	73	169	486	1200	259
						155801	105.00	106.00	1.00	1.375	90	129	492	2160	499
						155802	Duplicate of 155801			1.566	94	184	592	2180	567
						155803	106.00	107.00	1.00	1.522	63	214	675	1680	508
						155804	107.00	108.00	1.00	1.387	54	199	645	1360	463
						155805	108.00	109.00	1.00	0.679	30	83	304	691	228

Drillhole: EB-20-52

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
89.25	169.12	VT GB			Varitextured Gabbro (continued)	155806	109.00	110.00	1.00	0.338	18	62	79	435	157
						155807	110.00	111.00	1.00	0.132	3	11	41	45	124
						155808	111.00	112.00	1.00	0.422	22	50	113	630	219
						155809	112.00	113.00	1.00	0.935	46	107	368	1120	317
						155810	Standard CDN-ME-9			5.428	152	723	1390	6860	9580
						155811	113.00	114.00	1.00	0.287	26	9	24	651	114
						155812	114.00	115.00	1.00	0.173	19	3	10	380	111
			115.10	117.35	Mafic Dyke; darke grey with common (10%?) fine white grains ~1mm; moderately broken core	155813	115.00	116.00	1.00	0.096	6	3	1	172	67
						155814	116.00	117.00	1.00	0.113	9	3	1	177	51
						155815	117.00	118.00	1.00	0.142	4	3	20	222	76
						155816	118.00	119.00	1.00	0.426	12	39	168	472	256
						155817	119.00	120.00	1.00	1.469	60	96	656	1950	808
						155818	120.00	121.00	1.00	0.917	48	77	269	1490	680
						155819	121.00	122.00	1.00	0.636	21	40	222	1000	533
						155820	Blank			#VALUE!	<1	<5	<1	<0.5	2
						155821	122.00	123.00	1.00	0.119	1	3	47	10	180
						155822	123.00	124.00	1.00	0.128	1	8	22	32	255
						155823	124.00	125.00	1.00	0.152	1	25	25	20	282
						155824	125.00	126.00	1.00	0.313	3	113	62	48	318
						155825	126.00	127.00	1.00	0.092	3	8	10	27	196
						155826	127.00	128.00	1.00	0.084	1	3	18	10	162
						155827	128.00	129.00	1.00	0.126	1	30	36	33	114
						155828	129.00	130.00	1.00	0.086	2	6	26	50	92
						155829	130.00	131.00	1.00	0.245	2	105	61	37	112
						155830	Duplicate of 155829			0.265	2	54	141	39	118
						155831	131.00	132.00	1.00	0.201	4	66	37	43	175
						155832	132.00	133.00	1.00	0.222	6	51	37	76	271
						155833	133.00	134.00	1.00	0.102	2	8	10	51	202
						155834	134.00	135.00	1.00	0.062	2	3	12	40	92
						155835	135.00	136.00	1.00	0.070	3	3	6	88	99
						155836	136.00	137.00	1.00	0.057	1	3	5	44	102
						155837	137.00	138.00	1.00	0.055	3	3	5	39	89
						155838	138.00	139.00	1.00	0.056	3	3	6	32	86
						155839	139.00	140.00	1.00	0.119	3	14	41	68	118
						155840	Standard CDN-ME-9			5.306	152	669	1300	7240	9280
						155841	140.00	141.00	1.00	0.133	3	20	54	64	91
						155842	141.00	142.00	1.00	0.094	2	8	26	101	82

Drillhole: EB-20-52

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
89.25	169.12	VT GB			Varitextured Gabbro (continued)	155843	142.00	143.00	1.00	0.083	1	6	20	33	114
						155844	143.00	144.00	1.00	0.103	2	11	32	87	81
						155845	144.00	145.00	1.00	0.072	2	3	15	46	114
						155846	145.00	146.00	1.00	0.315	8	43	134	199	238
						155847	146.00	147.00	1.00	1.160	37	205	478	1090	531
						155848	147.00	148.00	1.00	0.404	7	136	67	191	404
						155849	148.00	149.00	1.00	0.275	4	49	74	197	307
						155850	Blank			#VALUE!	1	<5	<1	1	2
						155851	149.00	150.00	1.00	0.424	8	73	145	337	332
						155852	150.00	151.00	1.00	0.282	3	44	59	93	508
						155853	151.00	152.00	1.00	0.218	2	23	43	56	458
						155854	152.00	153.00	1.00	0.271	2	69	109	38	191
						155855	153.00	154.00	1.00	0.283	5	48	94	180	255
						155856	154.00	155.00	1.00	0.218	2	30	105	63	174
						155857	155.00	156.00	1.00	0.081	2	6	6	43	161
						155858	156.00	157.00	1.00	0.227	5	3	69	187	353
						155859	157.00	158.00	1.00	0.108	1	13	9	61	206
						155860	158.00	159.00	1.00	0.201	2	10	82	76	277
						155861	159.00	160.00	1.00	0.928	27	54	503	817	617
						155862	Duplicate of 155861			0.914	30	67	494	738	585
						155863	160.00	161.00	1.00	1.345	109	188	510	1440	612
						155864	161.00	162.00	1.00	0.505	28	50	141	619	551
						155865	162.00	163.00	1.00	0.687	37	79	219	932	506
						155866	163.00	164.00	1.00	0.554	21	42	131	913	726
						155867	164.00	165.00	1.00	0.498	8	64	222	383	403
						155868	165.00	166.00	1.00	0.916	38	139	440	776	325
						155869	166.00	167.00	1.00	1.172	38	171	592	835	584
						155870	Standard CDN-ME-9			5.332	188	729	1270	6680	9670
					Lower contact sharp and irregular but somewhat arbitrary due to some mixing of the VT GB and the mafic volcanic below	155871	167.00	168.00	1.00	1.747	131	296	779	1370	517
						155872	168.00	169.00	1.00	0.755	25	92	255	1180	384
169.12	208.60	MV			Mafic Volcanic	155873	169.00	170.00	1.00	2.717	68	468	1580	1530	531
					Medium green-grey to locally lighter, with moderate epidote alteration, seams and fractures down to ~194m, then becoming darker grey-green and homogeneous with no alteration; fine grained with local medium to coarse grained plagioclase phenocrysts up to 4-5mm; massive; trace stringer, banded and disseminated pyrite	155874	170.00	171.00	1.00	0.142	3	18	43	155	94
						155875	171.00	172.00	1.00	0.096	4	3	2	253	37

Drillhole: EB-20-52

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
169.12	208.60	MV			Mafic Volcanic (continued)	155876	172.00	173.00	1.00	0.053	1	3	2	89	37
						155877	173.00	174.00	1.00	0.128	12	3	1	386	35
						155878	174.00	175.00	1.00	0.084	5	3	1	194	36
						155879	175.00	176.00	1.00	0.109	9	3	1	257	42
						155880	Blank			#VALUE!	1	3	1	8	3
					Lower contact sharp and irregular	155881	176.00	177.00	1.00	0.128	8	3	1	261	195
208.60	230.00	GB			Gabbro (inclusion-bearing)	155882	221.00	222.00	1.00	0.199	5	40	62	120	119
					Generally a massive, medium grained, medium to dark green-grey gabbro; at 223m begins to exhibit pyrrhotite > chalcopyrite mineralization, and from 223.50 to 230.00 (E.O.H.) there could be up to 1-2% overall, occurring as blebs up to several centimetres, stringers and disseminated (predominantly pyrrhotite).	155883	222.00	223.00	1.00	0.151	3	23	37	121	117
						155884	223.00	224.00	1.00	0.983	49	90	298	1910	258
						155885	224.00	225.00	1.00	1.382	82	79	273	3570	383
						155886	225.00	226.00	1.00	1.537	72	124	415	3410	415
						155887	226.00	227.00	1.00	1.520	70	154	421	3160	404
						155888	227.00	228.00	1.00	1.756	67	121	509	4070	373
						155889	Duplicate of 155888			1.750	53	280	528	3120	391
						155890	228.00	229.00	1.00	1.135	44	104	307	2500	290
						155891	229.00	230.00	1.00	1.535	80	138	417	3310	355
230.00		E.O.H.			End of Hole										
					Note: hole was extended to 284m on June 12, 2021, to determine the extent of the mineralized zone at the bottom; the extended log follows.										
						662226	230.00	231.00	1.00	1.878	67	141	590	4010	493
230.00	284.00	GB			Gabbro (inclusion-bearing)	662227	231.00	232.00	1.00	1.850	82	144	546	3930	500
					As above; not the same as the Varitextured Gabbro, which exhibits large inclusions and/or core ontervals of gabbro, leucogabbro and melagabbro; this unit exhibits relatively small inclusions (<10cm) of leucogabbro and melagabbro in a gabbro host; medium to dark grey-green; medium grained; common coarse irregular blebs of pyrrhotite and chalcopyrite (po>cpy) - possibly up to 1%, down to ~245m, then dropping off to trace; cpy last noted at 262.9m; inclusions decrease gradually (i.e. no sharp contact) - last inclusion ~2cm noted at 261.1m, then massive gabbro to end of hole	662228	232.00	233.00	1.00	1.210	44	99	360	2540	344
						662229	233.00	234.00	1.00	1.423	79	113	424	2910	346
						662230	234.00	235.00	1.00	0.785	24	78	251	1470	236
						662231	235.00	236.00	1.00	1.244	73	121	354	2480	303
						662232	236.00	237.00	1.00	1.645	162	120	413	3330	395

Drillhole: EB-20-52

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
230.00	284.00	GB			Gabbro (inclusion-bearing) - continued	662233	Duplicate of 662232			1.572	125	124	460	3050	356
						662234	237.00	238.00	1.00	1.174	47	94	343	2510	305
						662235	238.00	239.00	1.00	1.684	112	128	480	3490	395
						662236	239.00	240.00	1.00	1.734	78	171	537	3410	438
						662237	240.00	241.00	1.00	1.368	54	114	384	2960	353
						662238	241.00	242.00	1.00	1.005	58	75	266	2110	290
						662239	242.00	243.00	1.00	0.946	41	89	298	1760	279
						662240	Blank			#VALUE!	< 2	< 5	< 5	7	2
						662241	243.00	244.00	1.00	0.306	9	29	83	523	132
						662242	244.00	245.00	1.00	0.226	8	23	63	308	121
						662243	245.00	246.00	1.00	0.351	16	39	73	640	170
						662244	246.00	247.00	1.00	0.270	11	24	65	469	131
						662245	247.00	248.00	1.00	0.458	45	48	114	700	164
						662246	248.00	249.00	1.00	0.399	20	46	102	648	170
						662247	249.00	250.00	1.00	0.309	11	33	81	496	153
						662248	250.00	251.00	1.00	0.631	33	56	171	1200	213
						662249	251.00	252.00	1.00	0.757	39	60	192	1610	228
						662250	Standard CDN-ME-9			4.882	109	679	1290	6310	8100
						662251	252.00	253.00	1.00	0.608	31	52	148	1250	213
						662252	253.00	254.00	1.00	0.617	22	61	166	1220	210
						662253	254.00	255.00	1.00	0.780	45	72	205	1520	242
						662254	255.00	256.00	1.00	0.676	53	53	181	1260	212
						662255	256.00	257.00	1.00	0.593	24	65	149	1150	201
						662256	257.00	258.00	1.00	0.278	12	24	63	460	135
						662257	258.00	259.00	1.00	0.235	6	25	61	340	127
						662258	259.00	260.00	1.00	0.177	4	18	44	211	120
						662259	260.00	261.00	1.00	0.166	4	18	43	166	121
						662260	Blank			#VALUE!	< 2	< 5	< 5	2	1
						662261	261.00	262.00	1.00	0.208	5	26	60	229	119
						662262	262.00	263.00	1.00	0.281	8	42	106	248	113

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE
Hole Number:	**EB-21-53**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403589
UTM Northing:	5141350
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	383m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-02-04
Date Completed:	2021-02-08
Drilling Company:	Vital Drilling
Date Logged:	February 6 to 10
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
17m	-58.1	200.1	55407	corrected az. = 190.9
101m	-58.4	200.1	54890	corrected az. = 190.9
200m	57.7	201.8	55665	corrected az. = 192.6
250m	-57.1	205.6	54110	corrected az. = 196.4

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-53

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						155892	43.00	44.00	1.00	0.255	8	89	61	143	62
0.00	3.00	CAS			Casing/Overburden	155893	44.00	45.00	1.00	0.177	12	30	22	270	64
						155894	45.00	46.00	1.00	0.125	5	18	16	181	64
3.00	106.60	LG			Leucogabbro	155895	46.00	47.00	1.00	0.111	5	14	12	148	64
					Medium to light grey-green; coarse to locally medium grained; massive; local epidote atleration; rare/trace chalcopyrite first noted at 44.5m, fine to very fine grained disseminated and is often associated with leucoxene	155896	47.00	48.00	1.00	0.113	5	18	18	109	67
						155897	48.00	49.00	1.00	0.123	6	20	15	151	66
						155898	49.00	50.00	1.00	0.123	4	26	20	104	66
						155899	50.00	51.00	1.00	0.150	7	35	29	114	71
						155900	Standard CDN-ME-9			5.436	164	661	1480	7000	9310
						155901	51.00	52.00	1.00	0.119	6	24	16	111	64
						155902	52.00	53.00	1.00	0.130	6	23	15	163	66
						155903	53.00	54.00	1.00	0.116	6	20	15	128	61
						155904	54.00	55.00	1.00	0.116	5	15	16	152	58
						155905	55.00	56.00	1.00	0.116	5	18	18	125	60
						155906	56.00	57.00	1.00	0.117	4	19	17	153	51
						155907	57.00	58.00	1.00	0.146	6	29	31	136	57
						155908	58.00	59.00	1.00	0.169	7	37	47	110	64
						155909	59.00	60.00	1.00	0.313	11	91	107	147	71
						155910	Blank			#VALUE!	2	<5	<1	<0.5	<0.5
						155911	60.00	61.00	1.00	0.362	16	101	133	160	72
						155912	61.00	62.00	1.00	0.306	26	96	51	251	67
						155913	62.00	63.00	1.00	0.199	18	38	23	264	67
						155914	63.00	64.00	1.00	0.185	16	28	21	280	65
						155915	64.00	65.00	1.00	0.148	9	21	19	226	58
			65.65	67.22	Mafic Dyke; dark grey; fine grained; massive; common quartz-carb fractures/veinlets; top 20-30cm faulted/broken/blocky core with ~2cm of clay/mud	155916	65.00	66.00	1.00	0.139	5	23	18	192	92
						155917	66.00	67.00	1.00	0.114	2	6	3	39	429
						155918	67.00	68.00	1.00	0.146	5	23	17	193	131
						155919	68.00	69.00	1.00	0.130	4	25	22	142	75
						155920	Duplicate of 155919			0.127	5	19	19	172	71
						155921	69.00	70.00	1.00	0.121	4	18	18	190	43
						155922	70.00	71.00	1.00	0.117	3	20	18	145	51
						155923	71.00	72.00	1.00	0.118	5	21	18	132	54
						155924	72.00	73.00	1.00	0.116	5	20	18	125	54
						155925	73.00	74.00	1.00	0.114	5	20	16	125	58
						155926	74.00	75.00	1.00	0.134	7	23	21	163	58

Drillhole: EB-21-53

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
3.00	106.60	LG			Leucogabbro (continued)	155927	75.00	76.00	1.00	0.138	6	23	22	184	59
						155928	76.00	77.00	1.00	0.111	3	18	21	103	59
						155929	77.00	78.00	1.00	0.109	3	18	19	98	56
						155930	Standard CDN-ME-9			5.441	192	656	1490	6850	9280
						155931	78.00	79.00	1.00	0.114	6	20	19	106	53
						155932	79.00	80.00	1.00	0.151	5	28	29	183	52
						155933	80.00	81.00	1.00	0.135	5	24	25	152	50
						155934	81.00	82.00	1.00	0.137	6	26	26	138	52
						155935	82.00	83.00	1.00	0.140	5	31	24	141	52
						155936	83.00	84.00	1.00	0.131	5	22	23	141	52
						155937	84.00	85.00	1.00	0.115	4	23	19	108	51
						155938	85.00	86.00	1.00	0.118	4	21	18	136	50
						155939	86.00	87.00	1.00	0.130	5	23	20	169	51
						155940	Blank			#VALUE!	2	<5	<1	<0.5	<0.5
						155941	87.00	88.00	1.00	0.123	3	16	42	99	51
						155942	88.00	89.00	1.00	0.108	4	21	17	95	55
						155943	89.00	90.00	1.00	0.108	3	22	17	96	56
						155944	90.00	91.00	1.00	0.118	4	16	17	169	56
						155945	91.00	92.00	1.00	0.087	3	11	15	76	58
						155946	92.00	93.00	1.00	0.117	4	16	12	182	58
						155947	93.00	94.00	1.00	0.100	5	9	18	114	59
						155948	94.00	95.00	1.00	0.109	4	15	16	116	69
						155949	95.00	96.00	1.00	0.102	12	15	13	67	58
						155950	Duplicate of 155949			0.103	8	16	13	93	57
						155951	96.00	97.00	1.00	0.104	4	14	15	120	63
						155952	97.00	98.00	1.00	0.113	4	18	16	131	64
						155953	98.00	99.00	1.00	0.120	4	19	17	142	64
						155954	99.00	100.00	1.00	0.123	5	21	15	135	65
						155955	100.00	101.00	1.00	0.096	3	14	18	78	63
						155956	101.00	102.00	1.00	0.114	4	17	24	102	64
						155957	102.00	103.00	1.00	0.100	3	17	17	90	63
						155958	103.00	104.00	1.00	0.080	2	8	6	73	92
						155959	104.00	105.00	1.00	0.077	3	6	6	96	80
						155960	Standard CDN-ME-9			5.102	141	645	1290	6670	9160
						155961	105.00	106.00	1.00	0.065	2	5	6	32	89
						155962	106.00	107.00	1.00	0.093	2	9	7	54	144
						155963	107.00	108.00	1.00	0.093	5	11	11	49	112
						155964	108.00	109.00	1.00	0.120	5	19	11	111	123

Drillhole: EB-21-53

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
106.60	158.40	VT GB			Varitextured Gabbro	155965	109.00	110.00	1.00	0.113	3	6	25	119	106
					Medium to light grey-green to locally darker; coarse to medium grained; massive; mix of gabbro and leucogabbro with lesser melagabbro; rare/trace chalcopyrite usually disseminated or patchy disseminated	155966	110.00	111.00	1.00	0.081	3	6	8	53	109
						155967	111.00	112.00	1.00	0.077	3	3	7	58	109
						155968	112.00	113.00	1.00	0.079	3	7	8	59	95
						155969	113.00	114.00	1.00	0.067	2	3	9	49	89
						155970	Blank			#VALUE!	1	<5	<1	<0.5	1
						155971	114.00	115.00	1.00	0.093	3	6	11	111	98
						155972	115.00	116.00	1.00	0.095	2	3	34	59	97
						155973	116.00	117.00	1.00	0.086	2	6	35	27	77
						155974	117.00	118.00	1.00	0.059	2	3	17	19	70
			119.00	119.65	Fault Zone; moderate breccia with quartz-carbonate cavity-filling and 10cm gouge seam	155975	118.00	119.00	1.00	0.070	4	11	10	10	85
						155976	119.00	120.00	1.00	0.067	8	8	9	7	82
						155977	120.00	121.00	1.00	0.105	3	24	18	10	117
						155978	121.00	122.00	1.00	0.097	1	28	14	19	95
						155979	122.00	123.00	1.00	0.148	3	28	19	42	221
						155980	Duplicate of 155979			0.147	3	34	16	33	200
						155981	123.00	124.00	1.00	0.074	3	3	15	27	113
						155982	124.00	125.00	1.00	0.131	45	6	14	39	91
						155983	125.00	126.00	1.00	0.082	5	10	17	44	86
						155984	126.00	127.00	1.00	0.083	4	11	12	46	103
						155985	127.00	128.00	1.00	0.404	20	50	65	825	204
						155986	128.00	129.00	1.00	0.416	32	36	15	1180	174
						155987	129.00	130.00	1.00	0.130	6	3	11	313	112
						155988	130.00	131.00	1.00	0.136	12	11	12	215	124
						155989	131.00	132.00	1.00	0.105	3	14	21	66	124
						155990	Standard CDN-ME-9			5.373	195	688	1440	6500	9350
						155991	132.00	133.00	1.00	0.084	3	9	10	76	113
						155992	133.00	134.00	1.00	0.092	3	17	13	73	94
						155993	134.00	135.00	1.00	0.079	2	12	10	56	96
						155994	135.00	136.00	1.00	0.085	2	15	12	68	90
						155995	136.00	137.00	1.00	0.193	16	44	28	71	218
						155996	137.00	138.00	1.00	0.101	4	9	5	86	158
						155997	138.00	139.00	1.00	0.376	9	40	200	207	194
						155998	139.00	140.00	1.00	0.230	3	22	78	52	322
						155999	140.00	141.00	1.00	0.156	4	9	21	180	226

Drillhole: EB-21-53

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
106.60	158.40	VT GB			Varitextured Gabbro (continued)	156000	Blank			#VALUE!	3	3	1	<0.5	1
						E5948101	141.00	142.00	1.00	0.115	2	3	8	44	280
						5948102	142.00	143.00	1.00	0.096	5	3	8	17	219
						5948103	143.00	144.00	1.00	0.157	11	3	9	162	280
						5948104	144.00	145.00	1.00	0.086	2	12	9	29	118
						5948105	145.00	146.00	1.00	0.062	2	10	9	15	89
						5948106	146.00	147.00	1.00	0.048	2	3	6	24	78
						5948107	147.00	148.00	1.00	0.054	3	3	7	55	63
						5948108	148.00	149.00	1.00	0.058	2	3	9	31	86
						5948109	149.00	150.00	1.00	0.058	2	7	5	29	76
						5948110	Duplicate of 5948109			0.088	3	15	10	79	79
						5948111	150.00	151.00	1.00	0.175	5	36	67	41	108
						5948112	151.00	152.00	1.00	0.082	3	6	7	44	118
						5948113	152.00	153.00	1.00	0.088	2	8	12	9	158
						5948114	153.00	154.00	1.00	0.197	4	20	89	33	193
						5948115	154.00	155.00	1.00	0.453	10	112	199	95	260
						5948116	155.00	156.00	1.00	1.229	41	253	647	571	299
						5948117	156.00	157.00	1.00	0.227	11	36	31	247	256
						5948118	157.00	158.00	1.00	0.187	6	3	9	264	351
158.40	167.14	MD			Mafic Dyke (volcanic?); medium to dark green-grey; fine grained; massive; local epidote alteration near top; below 163m get blebs, wisps and stringers of pyrrhotite (+ chalcopyrite) - trace to 0.5% from 163 to 167.14m	5948119	158.00	159.00	1.00	0.322	25	18	20	913	80
						5948120	Standard CDN-ME-9			5.387	144	692	1380	6790	9770
					Bottom 1.5m exhibits common quartz-carbonate fractures, veinlets and moderate brecciation; lower contact sharp and irregular	5948121	159.00	160.00	1.00	0.182	9	19	18	358	48
						5948122	160.00	161.00	1.00	0.174	8	19	19	272	46
						5948123	161.00	162.00	1.00	0.160	5	21	19	240	48
						5948124	162.00	163.00	1.00	0.184	11	22	17	349	63
						5948125	163.00	164.00	1.00	0.200	12	20	19	387	58
						5948126	164.00	165.00	1.00	0.176	9	22	18	319	68
						5948127	165.00	166.00	1.00	0.138	5	20	20	209	53
						5948128	166.00	167.00	1.00	0.161	5	24	48	25	243
167.14	184.23	VT GB			Varitextured Gabbro	5948129	167.00	168.00	1.00	0.079	2	5	4	2	225
					More of a mix of gabbro and melagabbro than the previous unit, with lesser leucogabbro; more chalcopyrite and pyrrhotite than previous unit - still trace, with small blebs, stringers and blebs	5948130	Blank			0.007	2	3	1	0	1
						5948131	168.00	169.00	1.00	0.059	3	8	6	0	120
						5948132	169.00	170.00	1.00	0.062	2	3	2	0	164

Drillhole: EB-21-53

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
167.14	184.23	VT GB			Varitextured Gabbro (continued)	5948133	170.00	171.00	1.00	0.294	5	30	135	13	367
						5948134	171.00	172.00	1.00	0.746	14	47	539	73	406
						5948135	172.00	173.00	1.00	0.571	11	116	228	261	458
						5948136	173.00	174.00	1.00	1.261	19	344	672	105	434
						5948137	174.00	175.00	1.00	3.055	92	470	1660	2280	873
						5948138	175.00	176.00	1.00	1.265	34	196	629	1120	372
						5948139	176.00	177.00	1.00	0.816	26	159	287	899	400
						5948140	Duplicate of 5948139			0.437	18	52	89	760	364
						5948141	177.00	178.00	1.00	3.536	95	786	1760	2420	668
						5948142	178.00	179.00	1.00	4.559	79	1100	2440	2420	479
						5948143	179.00	180.00	1.00	0.551	25	103	234	378	229
						5948144	180.00	181.00	1.00	0.343	25	23	30	788	193
					Lower contact somewhat gradational/arbitrary due to mixing/inclusions of adjacent units	5948145	181.00	182.00	1.00	0.140	10	3	2	274	71
						5948146	182.00	183.00	1.00	0.113	7	3	5	167	99
						5948147	183.00	184.00	1.00	0.121	8	3	1	239	99
184.23	251.00	MD/MV			Mafic Dyke/Volcanic	5948148	184.00	185.00	1.00	0.279	16	28	58	430	178
					Medium green-grey; fine grained with occasional narrow medium grained intervals and rare plagioclase phenocrysts up to ~1cm; top 12-13m are somewhat chaotic-looking, with common epidote and quartz-carb-feldspar veinlets/seams/weak breccia; trace chalcopyrite + pyrrhotite in quartz-carb veinlets near upper contact; trace pyrite; local siliceous intervals with blueish-grey quartz	5948149	185.00	186.00	1.00	0.279	25	21	73	429	113
						5948150	Standard CDN-ME-9			5.457	153	724	1390	6870	9720
						5948151	186.00	187.00	1.00	0.215	13	23	60	312	109
						5948152	187.00	188.00	1.00	0.709	44	90	282	805	283
						5948153	197.00	198.00	1.00	0.229	36	12	12	399	236
			198.32	200.90	Magnetite Iron Formation; ~95% magnetite - strongly magnetic; trace pyrite and chalcopyrite stringers and wisps	5948154	198.00	199.00	1.00	0.406	43	11	13	775	397
						5948155	199.00	200.00	1.00	1.547	191	23	35	3490	1430
						5948156	200.00	201.00	1.00	1.760	70	44	55	2080	2680
						5948157	201.00	202.00	1.00	0.057	4	3	1	57	30
			233.60	241.67	Syenite Dyke; pink-buff; medium to fine grained; moderately fractured at variable core angles; ~5% mafic (chlorite?) clots and blebs up to ~1cm; contacts irregular and arbitrary due to mixing/inclusions										
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE
Hole Number:	**EB-21-54**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403500
UTM Northing:	5141352
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	387m
Planned Collar Orientation:	Az: 180, Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-02-26
Date Completed:	2021-03-06
Drilling Company:	Vital Drilling
Date Logged:	February 27 to March 8
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
15m	-60.2	196.5	55331	corrected az. = 187.2
100m	-59.7	199.6	55081	corrected az. = 190.4
200m	-58.4	199.8	54067	corrected az. = 190.6
251m	-57.8	230.2	22415	corrected az. = 221.0*

Core Storage:	61 Mailloux Rd., Walford, Ontario
Comments:	* spurious test; magnetics are way off normal, and accordingly so is the azimuth

Drillhole: EB-21-54

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	3.00	CAS			Casing/Overburden										
3.00	76.00	GB/LG			Gabbro/Leucogabbro										
					Medium grey-green; medium to locally coarse grained; massive; appears to be primarily medium grained gabbro with local coarser grained, more leucogabbroic intervals; rare/trace chalcopyrite mineralization, fine grained disseminated										
						5829101	46.00	47.00	1.00	0.101	5	14	16	83	67
			48.70		Several coarse irregular blebs of chalcopyrite up to 1-2cm in what appears to be a ~1cm mafic vein/dyke(?) that looks similar to the dyke below	5829102	47.00	48.00	1.00	0.104	5	13	20	87	70
						5829103	48.00	49.00	1.00	0.212	4	14	26	547	69
						5829104	49.00	50.00	1.00	0.167	5	47	40	86	72
						5829105	50.00	51.00	1.00	0.162	13	36	36	116	62
			52.85	59.62	Mafic Dyke; medium green-grey; fine grained; massive; contacts sharp and irregular										
			67.25	68.36	Ultramafic fragmental dyke? Resembles a lamprophyre or kimberlite; biotite-rich fragmental with sub-rounded to sub-angular fragments generally <1cm, dark green to black (amphiboles?); ~5 to 10% fragments; includes a ~10cm interval from 68.10 to 68.20 with ~50% green, translucent, very fine grained material that resembles jade/serpentinite (possibly olivine?); upper contact sharp at ~90° to c.a., lower contact faulted with ~10cm of gouge/rubble										
					Unit becomes more leucogabbroic downhole										
					Lower contact gradational	5829106	75.00	76.00	1.00	0.116	4	19	20	120	58
						5829107	76.00	77.00	1.00	0.134	17	19	15	140	59
76.00	141.57	LG			Leucogabbro	5829108	77.00	78.00	1.00	0.111	3	11	17	144	64
					Unit above becomes more consistently leucogabbroic, coarser grained; below ~78m begins to exhibit some variation in texture with local intervals of melagabbro and anorthositic gabbro, but still not a typical varitextured gabbro; locally pegmatitic; rare coarser blebs of chalcopyrite, still trace/rare	5829109	78.00	79.00	1.00	0.148	5	14	43	166	64
						5829110	Standard CDN-ME-9			5.346	159	677	1320	6880	9770
					78.60: several blebs of chalcopyrite up to 5mm	5829111	79.00	80.00	1.00	0.106	4	15	14	117	66
						5829112	80.00	81.00	1.00	0.088	3	14	13	58	61
						5829113	81.00	82.00	1.00	0.077	3	10	11	54	56
						5829114	82.00	83.00	1.00	0.086	4	6	10	104	60
						5829115	83.00	84.00	1.00	0.095	3	12	14	88	65
						5829116	84.00	85.00	1.00	0.104	8	10	17	81	74
						5829117	85.00	86.00	1.00	0.107	3	11	22	109	68

Drillhole: EB-21-54

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
76.00	141.57	LG			Leucogabbro (continued)	5829118	86.00	87.00	1.00	0.131	5	15	21	168	75
						5829119	87.00	88.00	1.00	0.118	19	27	19	55	47
						5829120	Blank			#VALUE!	<1	<5	<1	<0.5	1
						5829121	88.00	89.00	1.00	0.087	6	15	14	30	86
						5829122	89.00	90.00	1.00	0.080	2	9	6	20	109
						5829123	90.00	91.00	1.00	0.081	2	10	9	41	100
						5829124	91.00	92.00	1.00	0.083	2	7	9	65	95
						5829125	92.00	93.00	1.00	0.102	3	8	12	127	95
						5829126	93.00	94.00	1.00	0.079	2	3	17	19	102
						5829127	94.00	95.00	1.00	0.098	3	8	17	23	154
						5829128	95.00	96.00	1.00	0.082	3	6	8	55	107
						5829129	96.00	97.00	1.00	0.072	2	3	11	41	97
						5829130	Duplicate of 5829129			0.081	2	7	11	55	100
						5829131	97.00	98.00	1.00	0.093	3	10	17	70	89
						5829132	98.00	99.00	1.00	0.117	4	6	44	28	123
						5829133	99.00	100.00	1.00	0.283	8	9	26	803	144
						5829134	100.00	101.00	1.00	0.179	26	8	20	205	169
						5829135	101.00	102.00	1.00	0.124	3	27	23	50	117
						5829136	102.00	103.00	1.00	0.174	3	44	53	73	99
						5829137	103.00	104.00	1.00	0.151	4	42	41	37	92
						5829138	104.00	105.00	1.00	0.119	8	22	14	81	105
						5829139	105.00	106.00	1.00	0.100	4	3	11	69	164
						5829140	Standard CDN-ME-9			5.383	146	734	1370	6740	9510
			107.00	110.94	Anorthositic Gabbro? Appears to be 80-90% coarse/pegmatitic plagioclase; lower contact exhibits 10-20cm of fault zone with 1cm mud seam and 10cm of gouge	5829141	106.00	107.00	1.00	0.081	3	3	19	26	118
						5829142	107.00	108.00	1.00	0.062	2	13	17	15	46
						5829143	108.00	109.00	1.00	0.065	3	15	21	0	39
						5829144	109.00	110.00	1.00	0.042	3	3	16	0	37
						5829145	110.00	111.00	1.00	0.043	1	8	11	3	48
						5829146	111.00	112.00	1.00	0.115	4	15	21	74	138
						5829147	112.00	113.00	1.00	0.073	3	10	7	13	99
						5829148	113.00	114.00	1.00	0.070	9	3	5	55	75
						5829149	114.00	115.00	1.00	0.109	8	8	9	141	97
						5829150	Blank			#VALUE!	2	3	<1	<0.5	<0.5
						5829151	115.00	116.00	1.00	0.086	4	7	8	65	100
					116.50: coarse bleb of chalcopyrite several centimetres	5829152	116.00	117.00	1.00	0.101	3	3	3	238	64
						5829153	117.00	118.00	1.00	0.092	3	5	6	177	63
						5829154	118.00	119.00	1.00	0.152	15	22	18	180	80

Drillhole: EB-21-54

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
76.00	141.57	LG			Leucogabbro (continued)	5829155	119.00	120.00	1.00	0.147	11	18	19	220	45
						5829156	120.00	121.00	1.00	0.156	10	20	20	257	45
			118.73	129.30	Mafic/Diabase Dyke; medium grey-green; fine grained; massive; contacts sharp/regular at 5C° to c.a.	5829157	121.00	122.00	1.00	0.127	4	23	21	156	47
						5829158	122.00	123.00	1.00	0.118	3	19	21	151	45
						5829159	123.00	124.00	1.00	0.113	5	19	20	142	42
						5829160	Duplicate of 5829159			0.115	4	20	18	155	43
						5829161	124.00	125.00	1.00	0.122	4	20	21	149	51
						5829162	125.00	126.00	1.00	0.152	12	24	22	198	50
						5829163	126.00	127.00	1.00	0.089	2	12	17	79	65
						5829164	127.00	128.00	1.00	0.128	6	17	22	201	43
						5829165	128.00	129.00	1.00	0.146	7	24	22	229	42
						5829166	129.00	130.00	1.00	0.091	3	11	14	28	123
						5829167	130.00	131.00	1.00	0.075	2	3	11	64	106
						5829168	131.00	132.00	1.00	0.084	2	7	12	71	118
						5829169	132.00	133.00	1.00	0.107	2	11	17	84	141
						5829170	Standard CDN-ME-9			5.702	203	759	1460	7100	9960
						5829171	133.00	134.00	1.00	0.096	1	7	11	61	158
						5829172	134.00	135.00	1.00	0.286	1	66	114	23	242
						5829173	135.00	136.00	1.00	0.106	1	8	16	21	209
						5829174	136.00	137.00	1.00	0.100	1	13	15	31	196
						5829175	137.00	138.00	1.00	0.090	2	9	9	61	152
						5829176	138.00	139.00	1.00	0.078	3	11	8	42	113
					Lower contact sharp and irregular with fault/breccia zone at top of VTGB below for ~1.5m	5829177	139.00	140.00	1.00	0.193	5	9	117	54	137
141.57	166.75	VTGB			Varitextured Gabbro	5829178	140.00	141.00	1.00	0.109	2	5	16	51	218
					Medium grey-green; fine to coarse grained; massive; mix of gabbro, leucogabbro and melagabbro with occasional inclusions of one type within another; top 1.5m appears to be faulted/sheared/brecciated with local narrow gouge/mud and quartz-carbonate cavity-filling; trace chalcopyrite and pyrrhotite overall, locally up to 1-2% over 50cm; generally appears to be po>cpy, occurring as disseminated and irregular blebs up to ~1cm	5829179	141.00	142.00	1.00	0.318	4	53	127	186	251
						5829180	Blank			#VALUE!	<1	<5	2	<0.5	3
						5829181	142.00	143.00	1.00	0.400	4	93	162	18	403
						5829182	143.00	144.00	1.00	0.350	12	32	191	159	222
						5829183	144.00	145.00	1.00	0.365	18	22	117	507	303
						5829184	145.00	146.00	1.00	0.270	9	31	110	147	271
						5829185	146.00	147.00	1.00	0.469	8	57	192	331	513

Drillhole: EB-21-54

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
141.57	166.75	VTGB			Varitextured Gabbro (continued)	5829186	147.00	148.00	1.00	0.936	62	98	380	1140	361
						5829187	148.00	149.00	1.00	0.697	88	53	211	933	306
						5829188	149.00	150.00	1.00	0.219	41	15	37	162	201
						5829189	150.00	151.00	1.00	0.208	13	11	44	230	280
						5829190	151.00	152.00	1.00	0.093	4	6	10	34	186
			152.00	161.00	Better-mineralized interval, possibly up to 0.5% overall	5829191	152.00	153.00	1.00	1.134	22	51	900	324	223
						5829192	153.00	154.00	1.00	0.878	37	106	476	678	272
						5829193	154.00	155.00	1.00	0.724	32	81	334	772	295
						5829194	Duplicate of 5829193			1.014	56	110	500	953	366
						5829195	155.00	156.00	1.00	0.985	38	133	545	617	348
						5829196	156.00	157.00	1.00	1.079	52	138	569	825	302
						5829197	157.00	158.00	1.00	0.426	23	79	161	329	183
						5829198	158.00	159.00	1.00	0.147	7	17	46	117	108
						5829199	159.00	160.00	1.00	0.451	26	71	174	391	181
						5829200	Standard CDN-ME-9			5.657	173	748	1490	7100	9810
						5829201	160.00	161.00	1.00	0.101	4	14	17	75	100
						5829202	161.00	162.00	1.00	0.069	4	3	7	66	73
						5829203	162.00	163.00	1.00	0.203	23	30	20	257	123
						5829204	163.00	164.00	1.00	0.117	10	9	7	166	97
			164.00	166.75	Better-mineralized interval, possibly up to 0.5% overall	5829205	164.00	165.00	1.00	0.094	14	3	2	150	57
						5829206	165.00	166.00	1.00	0.388	47	54	51	576	210
						5829207	166.00	167.00	1.00	0.495	65	73	32	846	288
						5829208	167.00	168.00	1.00	0.049	1	3	1	5	120
						5829209	168.00	169.00	1.00	0.060	2	3	4	13	135
						5829210	Blank			#VALUE!	<1	<5	<1	<0.5	1
						5829211	169.00	170.00	1.00	0.147	13	13	25	155	127
166.75	171.95	MV			Mafic Volcanic										
					Medium grey-green; fine to locally medium grained; massive to locally moderately foliated at 40-60° to c.a.; trace disseminated pyrite - fine to locally medium grained, often fracture-controlled; lower contact obscured by broken core										
171.95	251.00	MI/FI			Mafic/Felsic Intrusive										
					Looks like a mafic to intermediate intrusive becoming mixed downhole with felsic intrusive/syenite; upper part of unit is commonly coarse to medium grained, massive to variably foliated, medium to dark green; common irregular patches of feldspar/aplite up to ~20cm, with somewhat brecciated appearance; common (up to 1%) pyrite, fine to coarse irregular blebs up to 1cm										

Drillhole: EB-21-54

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
171.95	251.00	MI/FI			Mafic/Felsic Intrusive (continued)										
					Below 177.35m get the introduction of common magnetite grains up to several millimetres, commonly in patches										
					Below 178.85 get the introduction of pink-buff feldspar/feldspathoid(?) commonly associated with magnetite, increasing downhole; common irregular epidote seams/veinlets										
						5829212	181.00	182.00	1.00	0.095	11	7	8	180	68
					182.82 and 184.45m: blebs of chalcopyrite with pyrrhotite, ~1cm	5829213	182.00	183.00	1.00	0.161	18	11	12	387	81
						5829214	183.00	184.00	1.00	#VALUE!	6	<5	5	175	67
						5829215	184.00	185.00	1.00	#VALUE!	2	<5	<1	24	19
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE; EOH ZONE
Hole Number:	**EB-21-55**
Length:	311m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403703
UTM Northing:	5141449
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	380m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-03-07
Date Completed:	2021-03-14
Drilling Company:	Vital Drilling
Date Logged:	March 11 to 15
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
				corrected az. =
100m	-59.0	188.2	54917	corrected az. = 179.0
200m	-57.6	189.9	55116	corrected az. = 180.7
302m	-57.1	192.8	54961	corrected az. = 183.6

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-55

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.00	CAS			Casing / Overburden										
2.00		LG/GB			Leucogabbro/Gabbro	5829216	142.00	143.00	1.00	0.112	5	14	15	158	54
					Medium to light green-grey; coarse to medium grained; massive; predominantly coarser grained leucogabbro, with local narrow intervals (up to several metres) that are more gabbroic; rare/trace fine grained disseminated chalcopyrite	5829217	143.00	144.00	1.00	0.121	4	21	15	157	59
						5829218	144.00	145.00	1.00	0.138	6	17	16	233	59
			51.34	56.14	Mafic/Diabase Dyke; medium to dark green; fine grained; massive; looks like inclusion or narrow interval of gabbro in the last metre; lower contact somewhat sharp at 60° to c.a.	5829219	145.00	146.00	1.00	0.107	3	15	14	104	73
						5829220	146.00	147.00	1.00	0.116	3	13	14	164	67
			56.14	58.18	Ultramafic fragmental dyke (lamprophyre?); biotite-rich dyke with common sub-rounded to sub-angular fragments - dark to light green, up to 2cm; local whitish fragments/clasts (feldspar?); some light green fragments contain smaller clasts; lower contact sharp and regular at 60° to c.a.	5829221	147.00	148.00	1.00	0.114	5	12	13	168	64
						5829222	148.00	149.00	1.00	0.086	3	14	10	93	56
			124.51	132.25	Mafic/Diabase Dyke as from 51.34 to 56.14; upper contact sharp/regular at 65° to c.a., lower contact sharp/regular at 60° to c.a.	5829223	149.00	150.00	1.00	0.040	4	3	1	82	18
						5829224	150.00	151.00	1.00	0.090	5	11	8	122	52
					Lower conatct sharp and regular at 55° to c.a.	5829225	151.00	152.00	1.00	0.388	20	37	160	474	83
						5829226	152.00	153.00	1.00	0.979	44	116	429	1090	464
152.15	227.40	VTGB			Varitextured Gabbro	5829227	153.00	154.00	1.00	3.180	166	464	1500	3150	932
					Medium grey-green to locally lighter and darker; medium to coarse grained, locally finer grained; massive to locally weakly to moderately brecciated; unlike most previous VTGB, exhibits common quartz (+/- feldspar) veins, veinlets, fractures and pods at variable core angles, locally with iron-carbonate; unit is a mix of gabbro, leucogabbro and melagabbro; trace chalcopyrite and pyrrhotite throughout, occasionally as coarse irregular blebs up to several centimetres and often associated with quartz veins and fractures, locally up to 1-2% over metres	5829228	154.00	155.00	1.00	3.379	176	668	1710	2210	484
						5829229	155.00	156.00	1.00	3.105	138	566	1610	2120	606
						5829230	Standard CDN-ME-9			5.466	159	732	1430	6850	9540
						5829231	156.00	157.00	1.00	3.796	139	760	1900	2590	950
						5829232	157.00	158.00	1.00	3.887	183	508	1950	3940	993
						5829233	158.00	159.00	1.00	3.201	158	355	1370	4530	915
						5829234	159.00	160.00	1.00	3.282	147	423	1590	3630	874
						5829235	160.00	161.00	1.00	1.705	117	216	742	1980	473
						5829236	161.00	162.00	1.00	2.987	241	313	1490	2910	649

Drillhole: EB-21-55

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
152.15	227.40	VTGB			Varitextured Gabbro (continued)	5829237	162.00	163.00	1.00	1.669	85	185	736	2070	675
						5829238	163.00	164.00	1.00	1.227	141	115	441	1630	400
						5829239	164.00	165.00	1.00	0.909	55	93	349	1280	385
						5829240	Blank			#VALUE!	1	<5	<1	4	2
						5829241	165.00	166.00	1.00	2.131	116	232	915	2810	769
						5829242	166.00	167.00	1.00	3.405	190	401	1430	4500	1180
						5829243	167.00	168.00	1.00	3.628	116	342	1820	4520	1180
						5829244	168.00	169.00	1.00	2.138	95	404	916	2020	706
						5829245	169.00	170.00	1.00	0.742	41	76	224	1410	203
						5829246	170.00	171.00	1.00	0.905	50	181	409	616	234
						5829247	171.00	172.00	1.00	0.573	37	44	146	1200	189
						5829248	172.00	173.00	1.00	1.103	32	204	544	833	331
						5829249	173.00	174.00	1.00	0.970	55	113	293	1690	389
						5829250	Duplicate of 5829249			0.938	38	117	337	1420	407
						5829251	174.00	175.00	1.00	0.442	13	57	186	505	194
						5829252	175.00	176.00	1.00	0.454	41	55	148	555	179
						5829253	176.00	177.00	1.00	0.138	6	9	51	134	91
						5829254	177.00	178.00	1.00	0.229	7	42	46	354	120
						5829255	178.00	179.00	1.00	0.126	5	15	27	155	87
						5829256	179.00	180.00	1.00	0.125	5	8	44	120	91
						5829257	180.00	181.00	1.00	0.132	7	10	39	136	90
						5829258	181.00	182.00	1.00	0.091	2	26	11	19	86
						5829259	182.00	183.00	1.00	0.677	17	239	247	253	167
						5829260	Standard CDN-ME-9			5.358	165	723	1420	6630	9190
						5829261	183.00	184.00	1.00	1.346	84	176	354	2480	455
						5829262	184.00	185.00	1.00	0.295	12	51	86	357	157
						5829263	185.00	186.00	1.00	0.231	10	58	61	177	121
						5829264	186.00	187.00	1.00	0.234	8	30	88	215	135
						5829265	187.00	188.00	1.00	0.868	35	296	227	710	238
						5829266	188.00	189.00	1.00	0.882	67	143	198	1470	359
						5829267	189.00	190.00	1.00	0.207	4	83	44	52	100
						5829268	190.00	191.00	1.00	0.076	2	3	24	21	87
						5829269	191.00	192.00	1.00	0.155	2	35	64	20	83
						5829270	Blank			#VALUE!	1	<5	<1	<0.5	<0.5
						5829271	192.00	193.00	1.00	0.066	2	3	16	13	78
						5829272	193.00	194.00	1.00	0.142	2	41	35	19	109
						5829273	194.00	195.00	1.00	0.553	7	219	199	32	163
						5829274	195.00	196.00	1.00	0.386	11	132	117	167	124

Drillhole: EB-21-55

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						5829275	196.00	197.00	1.00	0.130	4	33	33	47	92
152.15	227.40	VTGB			Varitextured Gabbro (continued)	5829276	197.00	198.00	1.00	0.147	7	37	30	71	100
						5829277	198.00	199.00	1.00	0.567	56	66	56	1190	288
						5829278	199.00	200.00	1.00	0.392	31	58	53	718	187
						5829279	200.00	201.00	1.00	0.753	54	65	66	1980	263
						5829280	Duplicate of 5829279			0.648	51	69	89	1410	255
						5829281	201.00	202.00	1.00	0.719	57	123	103	1290	324
			202.10	205.43	Mafic Dyke/Diabase as from 51.34 to 56.14; upper contact at 60°, lower contact at 80°	5829282	202.00	203.00	1.00	0.152	11	30	23	167	72
						5829283	203.00	204.00	1.00	0.173	9	23	25	290	53
						5829284	204.00	205.00	1.00	0.140	9	26	17	190	38
						5829285	205.00	206.00	1.00	0.548	56	70	63	904	314
			206.58	208.80	Fault Zone; moderately to strongly brecciated; common broken/blocky core; 2 gouge seams ~1cm wide each	5829286	206.00	207.00	1.00	0.534	30	91	84	779	316
						5829287	207.00	208.00	1.00	0.555	45	70	67	1060	289
					Below fault zone unit becomes more consistently melagabbroic with mineralization becoming predominantly pyrrhotite - possibly 1% over numerous metres, mainly finer grained disseminated	5829288	208.00	209.00	1.00	0.405	69	23	35	806	192
						5829289	209.00	210.00	1.00	0.335	39	51	39	498	185
						5829290	Standard CDN-ME-9			5.381	168	696	1390	6770	9540
						5829291	210.00	211.00	1.00	1.086	117	203	215	1600	310
			211.50	214.60	Numerous patches of grey to clear quartz up to ~30cm with coarse irregular patches of pyrrhotite and chalcopyrite up to several cm.	5829292	211.00	212.00	1.00	0.801	83	72	73	1960	282
						5829293	212.00	213.00	1.00	0.749	50	77	40	2230	147
						5829294	213.00	214.00	1.00	0.752	71	33	73	1710	496
						5829295	214.00	215.00	1.00	1.057	90	78	70	2810	521
						5829296	215.00	216.00	1.00	0.754	88	138	77	1340	301
						5829297	216.00	217.00	1.00	0.313	48	16	18	676	172
						5829298	217.00	218.00	1.00	0.093	7	9	1	99	98
						5829299	218.00	219.00	1.00	0.677	127	26	17	1600	343
						5829300	Blank			#VALUE!	<1	<5	<1	2	1
						5829301	219.00	220.00	1.00	0.492	88	23	12	1150	254
						5829302	220.00	221.00	1.00	0.292	42	25	24	538	171
						5829303	221.00	222.00	1.00	0.376	47	84	28	557	150
						5829304	222.00	223.00	1.00	0.451	64	19	42	1000	275
						5829305	223.00	224.00	1.00	0.346	47	18	23	725	204
						5829306	224.00	225.00	1.00	0.422	56	30	37	872	208
						5829307	Duplicate of 5829306			0.388	54	20	32	849	175

Drillhole: EB-21-55

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						5829308	225.00	226.00	1.00	0.393	71	25	30	768	162
227.40	311.00	PD			Porphyry Dyke (intermediate)	5829309	226.00	227.00	1.00	0.482	81	33	31	1030	209
					Medium green-grey; medium grained with ~10% coarse irregular plagioclase phenocrysts up to several centimetres; massive; trace/rare fine grained disseminated and fracture-controlled pyrite	5829310	227.00	228.00	1.00	0.553	94	38	33	1200	227
						5829311	228.00	229.00	1.00	0.343	42	42	25	646	135
					Last chalcopyrite noted at 227.80m, with pyrrhotite	5829312	229.00	230.00	1.00	0.416	82	36	23	733	136
						5829313	230.00	231.00	1.00	0.191	9	60	2	213	87
						5829314	231.00	232.00	1.00	0.145	8	42	1	123	89
			290.08	290.70	Massive bull quartz with brecciated wallrock; no sulphides										
311.00		E.O.H.													

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE / EOH ZONE
Hole Number:	**EB-21-56**
Length:	320m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403770
UTM Northing:	5141448
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	378m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-03-16
Date Completed:	2021-03-21
Drilling Company:	Vital Drilling
Date Logged:	March 18 to 22
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
15m	-60.6	192.7	55952	corrected az. = 183.5
101m	-60.7	194.3	54814	corrected az. = 185.1
200m	-59.9	195.5	54758	corrected az. = 186.3
302m	-59.7	196.7	55051	corrected az. = 187.5
320m	-59.9	197.7	55149	corrected az. = 188.5

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-56

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	5.80	CAS			Casing / Overburden										
5.80	27.90	GB			Gabbro										
					Medium to locally darker grey-green; medium grained; massive; occasional coarse grained patchy magnetite; rare/trace pyrite/chalcopyrite, fine grained disseminated; get increasing narrow intervals of more leucogabbroic material towards lower contact; lower contact gradational										
						5829315	162.00	163.00	1.00	0.103	6	12	15	112	63
27.90	172.60	LG			Leucogabbro	5829316	163.00	164.00	1.00	0.093	4	13	13	96	61
					Medium to lighte grey-green; coarse to medium grained; massive; local moderate epidote alteration; occasional coarse grained, patchy magnetite; rare/trace chalcopyrite and pyrite, generally seems to be associated coarse grained leucoxene	5829317	164.00	165.00	1.00	0.148	7	16	17	275	68
						5829318	165.00	166.00	1.00	0.112	3	17	19	88	75
			42.62	45.53	Mafic/ultramafic fragmental dyke; dark grey-green; fine grained; massive; abundant sub-angular fragments 2-4mm; some almandine garnet (red); biotite-rich; several leucogabbro inclusions; upper contact sharp and regular at 45° to c.a., lower contact sharp and irregular	5829319	166.00	167.00	1.00	0.168	2	20	80	71	70
						5829320	167.00	168.00	1.00	0.093	3	12	16	74	70
			47.85	48.25	Massive, white, bull quartz vein	5829321	168.00	169.00	1.00	0.086	2	11	15	71	65
						5829322	169.00	170.00	1.00	0.087	2	15	13	42	69
					Lower contact gradational	5829323	170.00	171.00	1.00	0.088	3	12	13	79	59
						5829324	171.00	172.00	1.00	0.110	4	15	15	123	71
172.60	240.20	VTGB			Varitextured Gabbro	5829325	172.00	173.00	1.00	0.096	2	13	13	49	132
					Medium grey-green to locally lighter and darker; fine to coarse grained; massive to locally moderately foliated at 45-50° to c.a.; mix of gabbro, leucogabbro and melagabbro; trace chalcopyrite and pyrrhotite overall, predominantly fine grained disseminated, with occasional irregular stringers/blebs up to several centimetres long, and fracture-controlled and veinlket-hosted; locally possibly up to 1-2% cpy/po over several metres	5829326	173.00	174.00	1.00	0.085	3	10	7	69	97
						5829327	174.00	175.00	1.00	0.128	3	13	15	74	216
						5829328	175.00	176.00	1.00	0.104	5	6	13	84	146
						5829329	176.00	177.00	1.00	0.084	2	6	7	18	171
						5829330	Standard CDN-ME-9			5.293	149	658	1320	7040	9430
						5829331	177.00	178.00	1.00	0.101	5	3	7	60	197
						5829332	178.00	179.00	1.00	0.083	4	3	9	52	148
						5829333	179.00	180.00	1.00	0.103	2	6	10	24	237
						5829334	180.00	181.00	1.00	0.099	3	9	8	28	219

Drillhole: EB-21-56

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
172.60	240.20	VTGB			Varitextured Gabbro (continued)	5829335	181.00	182.00	1.00	0.148	3	6	11	48	357
						5829336	182.00	183.00	1.00	0.171	2	19	15	36	368
					184.20m: this appears to be the start of the more significant "zone" mineralization; i.e. the sulphide content goes from rare to trace but more common	5829337	183.00	184.00	1.00	0.740	28	99	443	189	296
						5829338	184.00	185.00	1.00	0.315	20	43	150	161	101
						5829339	185.00	186.00	1.00	0.117	7	16	9	176	88
						5829340	Blank			#VALUE!	1	<5	<1	<0.5	2
						5829341	186.00	187.00	1.00	0.175	4	41	54	41	155
						5829342	187.00	188.00	1.00	0.518	22	89	232	271	262
						5829343	188.00	189.00	1.00	1.478	125	157	591	1840	420
						5829344	189.00	190.00	1.00	0.963	48	129	426	956	353
						5829345	190.00	191.00	1.00	0.875	46	135	356	829	384
						5829346	191.00	192.00	1.00	2.170	78	333	943	2550	617
						5829347	Duplicate of 5829346			2.394	117	308	1150	2400	749
						5829348	192.00	193.00	1.00	2.049	112	238	872	2580	651
						5829349	193.00	194.00	1.00	1.698	79	228	776	1690	624
						5829350	194.00	195.00	1.00	0.778	36	94	322	799	390
			195.95	217.40	Fault / Deformation Zone; broad zone of variable deformation; including several seams of narrow gouge/rubble (from 5 to 10cm wide); local moderate to strong foliation at 45-50° to c.a.; local moderately to strongly broken/blocky/ground core; local irregular quartz veining and brecciation; local intervals of 1-2% cpy/po over several metres	5829351	195.00	196.00	1.00	1.641	102	183	707	1840	635
						5829352	196.00	197.00	1.00	1.538	96	137	622	2060	618
						5829353	197.00	198.00	1.00	0.691	51	63	245	857	365
						5829354	198.00	199.00	1.00	0.338	25	32	115	431	178
						5829355	199.00	200.00	1.00	0.350	43	37	79	566	96
						5829356	200.00	201.00	1.00	0.533	51	50	217	612	130
						5829357	201.00	202.00	1.00	0.685	131	73	235	659	94
						5829358	202.00	203.00	1.00	0.282	36	29	27	395	167
						5829359	203.00	204.00	1.00	0.186	26	3	12	283	117
						5829360	Standard CDN-ME-9			5.456	158	710	1380	7120	9480
						5829361	204.00	205.00	1.00	0.089	8	3	1	91	57
						5829362	205.00	206.00	1.00	0.393	139	3	6	567	75
						5829363	206.00	207.00	1.00	0.968	75	111	375	1190	335
						5829364	207.00	208.00	1.00	1.207	96	125	411	1710	578
						5829365	208.00	209.00	1.00	1.054	67	138	408	1170	493
						5829366	209.00	210.00	1.00	0.851	58	112	307	1020	369

Drillhole: EB-21-56

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
172.60	240.20	VTGB			Varitextured Gabbro (continued)	5829367	210.00	211.00	1.00	0.357	35	37	105	421	227
						5829368	211.00	212.00	1.00	0.332	14	45	161	136	248
						5829369	212.00	213.00	1.00	0.838	84	113	212	1120	499
						5829370	Blank			#VALUE!	2	<5	<1	<0.5	1
						5829371	213.00	214.00	1.00	0.785	63	74	136	1550	441
						5829372	214.00	215.00	1.00	0.415	34	33	59	701	319
						5829373	215.00	216.00	1.00	0.482	35	48	79	883	255
						5829374	216.00	217.00	1.00	0.385	25	53	59	684	184
						5829375	217.00	218.00	1.00	0.382	24	35	64	734	214
						5829376	218.00	219.00	1.00	0.236	26	21	29	375	144
						5829377	219.00	220.00	1.00	0.164	16	23	23	184	110
						5829378	220.00	221.00	1.00	0.359	31	35	52	670	231
						5829379	221.00	222.00	1.00	0.531	53	76	125	711	276
						5829380	222.00	223.00	1.00	0.504	57	69	54	917	307
						5829381	Duplicate of 5829380			0.510	58	57	52	1010	311
					Around 223m the mineralization appears to be becoming predominantly pyrrhotite - sulphides are over 90% po	5829382	223.00	224.00	1.00	0.684	53	85	147	1060	376
						5829383	224.00	225.00	1.00	0.166	16	28	18	201	108
						5829384	225.00	226.00	1.00	0.356	29	57	67	484	158
						5829385	226.00	227.00	1.00	0.532	42	82	122	698	248
						5829386	227.00	228.00	1.00	0.405	33	70	80	405	287
						5829387	228.00	229.00	1.00	0.329	39	42	37	479	191
			229.41	229.47	Semi-massive pyrrhotite with lesser cpy; interval is ~40% po, 5% cpy	5829388	229.00	230.00	1.00	0.971	45	43	74	2050	837
						5829389	230.00	231.00	1.00	0.398	31	47	47	811	182
						5829390	Standard CDN-ME-9			5.418	158	700	1360	7040	9540
			231.20	231.40	Interval is ~20-25% reddish-brown material in irregular vein with some quartz - possibly sphalerite?	5829391	231.00	232.00	1.00	0.487	51	57	63	820	289
						5829392	232.00	233.00	1.00	0.591	77	67	63	1110	300
						5829393	233.00	234.00	1.00	0.763	103	99	116	1200	372
						5829394	234.00	235.00	1.00	0.700	114	62	58	1380	316
						5829395	235.00	236.00	1.00	1.008	122	81	107	2300	389
						5829396	236.00	237.00	1.00	0.507	80	44	53	957	157
						5829397	237.00	238.00	1.00	0.583	93	40	47	1230	185
						5829398	238.00	239.00	1.00	1.019	138	157	103	1970	308
					Lower contact sharp and regular at 45° to c.a.; somewhat subjective due to several inclusions of the porphyry below in the VTGB - by 240.20 it's all porphyry	5829399	239.00	240.00	1.00	1.568	280	190	174	2910	409
						5829400	Blank			#VALUE!	<1	<5	<1	<0.5	3
						5829401	240.00	241.00	1.00	0.794	206	98	78	986	239

Drillhole: EB-21-56

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
240.20	320.00	PD			Porphyry Dyke	5829402	241.00	242.00	1.00	0.407	77	49	47	524	149
					Medium green-grey; medium grained with 10-20% plagioclase and pyrrhotite phenocrysts up to 2cm - the po is usually intimately associated with the plagioclase phenocrysts, and are often rimming and/or occurring within the phenocrysts; some phenocrysts appear to be 100% po; overall sulphides appear to be >99% po; massive	5829403	242.00	243.00	1.00	0.511	141	38	42	610	180
						5829404	243.00	244.00	1.00	0.454	113	42	45	489	180
			240.20	255.00	7 to 10% pyrrhotite with trace chalcopyrite as described above	5829405	244.00	245.00	1.00	0.432	105	47	50	476	128
					Below ~255m, sulphide content and pyrrhotite phenocrysts decrease, but still trace to 1% to ~288.1m; mainly fine grained disseminated with occasional coarse blebs/phenocrysts	5829406	245.00	246.00	1.00	0.450	76	44	39	741	174
						5829407	246.00	247.00	1.00	0.643	177	50	56	855	241
					Plagioclase phenocrysts are present to end of hole in amounts from 10 to 20%	5829408	247.00	248.00	1.00	0.627	155	45	66	929	196
						5829409	248.00	249.00	1.00	0.651	158	63	80	847	235
						5829410	249.00	250.00	1.00	0.622	119	64	79	857	252
						5829411	Duplicate of 5829410			0.687	172	67	80	814	245
						5829412	250.00	251.00	1.00	0.503	82	58	69	702	205
						5829413	251.00	252.00	1.00	0.531	119	45	58	722	210
						5829414	252.00	253.00	1.00	0.409	77	40	46	568	159
						5829415	253.00	254.00	1.00	0.581	144	51	64	725	194
						5829416	254.00	255.00	1.00	0.485	103	59	71	563	174
						5829417	255.00	256.00	1.00	0.286	44	50	49	242	131
						5829418	256.00	257.00	1.00	0.286	41	32	48	360	126
						5829419	257.00	258.00	1.00	0.284	38	36	44	371	136
						5829420	Standard CDN-ME-9			5.576	143	773	1410	7070	9770
						5829421	258.00	259.00	1.00	0.147	6	29	29	115	88
						5829422	259.00	260.00	1.00	0.125	12	14	27	71	86
						5829423	260.00	261.00	1.00	0.317	57	31	39	450	136
						5829424	261.00	262.00	1.00	0.319	59	30	41	439	121
			263.00	263.20	Clay/mud seam	5829425	262.00	263.00	1.00	0.784	144	68	85	1410	268
						5829426	263.00	264.00	1.00	0.826	164	79	91	1380	277
						5829427	264.00	265.00	1.00	0.379	59	28	51	650	154
			265.10	265.30	Clay/mud seam	5829428	265.00	266.00	1.00	0.587	104	51	68	991	225
						5829429	266.00	267.00	1.00	0.677	102	75	87	1190	232
						5829430	Blank			#VALUE!	2	<5	<1	<0.5	<0.5
						5829431	267.00	268.00	1.00	0.330	43	39	46	503	141
						5829432	268.00	269.00	1.00	0.226	21	35	37	279	124
						5829433	269.00	270.00	1.00	0.151	6	28	30	168	84

Drillhole: EB-21-56

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
240.20	320.00	PD			Porphyry Dyke (continued)	5829434	270.00	271.00	1.00	0.295	44	41	43	373	125
						5829435	271.00	272.00	1.00	0.486	85	45	58	783	175
						5829436	272.00	273.00	1.00	0.708	146	69	88	1120	216
						5829437	273.00	274.00	1.00	0.881	185	67	90	1640	223
						5829438	274.00	275.00	1.00	0.954	209	79	103	1640	272
						5829439	Duplicate of 5829438			0.970	206	78	108	1690	280
						5829440	275.00	276.00	1.00	0.486	90	44	56	802	179
						5829441	276.00	277.00	1.00	0.156	14	23	29	158	87
						5829442	277.00	278.00	1.00	0.213	20	32	39	247	113
						5829443	278.00	279.00	1.00	0.147	11	20	32	113	102
						5829444	279.00	280.00	1.00	0.148	6	42	33	58	87
						5829445	280.00	281.00	1.00	0.158	6	33	34	116	95
						5829446	281.00	282.00	1.00	0.156	6	32	31	132	92
						5829447	282.00	283.00	1.00	0.782	161	56	73	1550	191
						5829448	283.00	284.00	1.00	0.896	189	68	93	1710	205
						5829449	284.00	285.00	1.00	0.289	31	46	43	411	124
						5829450	Standard CDN-ME-9			5.462	172	720	1360	6920	9730
						5829451	285.00	286.00	1.00	0.180	18	28	32	182	99
			287.00	288.00	Zone containing up to 25-30% oriented pyroxenes(?) up to 2-3cm long	5829452	286.00	287.00	1.00	0.665	76	99	77	1090	374
						5829453	287.00	288.00	1.00	0.228	26	45	41	220	117
						5829454	288.00	289.00	1.00	0.158	9	26	33	160	94
					288.1m: Last sulphides noted	5829455	289.00	290.00	1.00	0.168	8	30	32	182	89
						5829456	290.00	291.00	1.00	0.146	8	30	32	84	87
						5829457	291.00	292.00	1.00	0.198	7	33	35	293	89
						5829458	292.00	293.00	1.00	0.130	3	32	34	21	89
						5829459	293.00	294.00	1.00	0.133	4	36	33	22	83
						5829460	Blank			#VALUE!	1	<5	<1	<0.5	<0.5
320.00		E.O.H.			End of Hole										

Drillhole: EB-21-56

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	180067
Target:	VTEM PLATE
Hole Number:	**EB-21-57**
Length:	161m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	404159
UTM Northing:	5141154
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	369
Planned Collar Orientation:	Az: 180; Dip: -75
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-03-21
Date Completed:	2021-03-23
Drilling Company:	Vital Drilling
Date Logged:	March 23 to 24
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-75.5	184.5	53932	corrected az. = 175.3
50m	-75.6	188.3	54417	corrected az. = 179.1
				No test at 100m
161m	-74.5	192.7	55608	corrected az. = 183.5

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-57

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	3.00	CAS			Casing										
3.00	161.00	MV			Mafic Volcanic										
					Medium to dark grey-green; fine grained; massive to locally weakly to moderately foliated/bedded/banded at 40-50° to c.a.; local bluish/greyish quartz in veins/patches/flooding, often parallel to floiation/banding but not always; locally weakly magnetic, becoming more consistently magnetic below ~130m; local narrow, irregular felsic dykes/veins in upper part of unit; trace pyrite, with local pyrrhotite (+chalcopyrite) increasing downhole as described below (still trace overall); pyrite predominantly disseminated with occasional stringers, with local irregular blebs up to 1 cm, locally up to 1-2% over 40-50cm											
						5829461	6.00	7.00		0.04996	1	3	3	36	51
			7.37	7.68	~80-90% massive pyrrhotite with exsolution lamellae and grains of pyrite (pentlandite?)	5829462	7.00	8.00		0.56524	7	23	50	839	858
						5829463	8.00	9.00		#VALUE!	1	3	1	<0.5	13
						5829464	73.00	74.00		0.03597	2	3	1	56	15
			74.70	90.00	Zone of weak pyrrhotite (+ chalcopyrite) mineralization; mineralization is predominantly small (2-3mm) rounded to irregular blebs (amygdules?); trace overall, locally up to 2-3% over 30-40cm	5829465	74.00	75.00		0.03413	2	3	1	60	1
						5829466	75.00	76.00		0.03641	2	3	1	77	3
						5829467	76.00	77.00		0.02438	1	3	1	28	5
						5829468	77.00	78.00		0.0255	1	3	1	36	2
						5829469	78.00	79.00		0.04573	1	3	1	91	3
						5829470	Standard CDN-ME-9			5.47302	143	740	1380	6980	9810
						5829471	79.00	80.00		0.03894	1	3	1	56	39
						5829472	80.00	81.00		0.03029	2	3	1	49	7
						5829473	81.00	82.00		0.05138	3	3	1	86	15
						5829474	82.00	83.00		0.04937	1	3	1	61	22
						5829475	83.00	84.00		0.44946	42	3	1	1340	76
						5829476	84.00	85.00		0.10656	8	3	1	218	42
						5829477	85.00	86.00		0.07004	6	3	3	91	29
						5829478	86.00	87.00		0.10013	6	3	1	215	29
						5829479	87.00	88.00		0.07122	7	3	3	96	27
						5829480	Blank			#VALUE!	1	3	1	<0.5	1
						5829481	88.00	89.00		0.0678	4	3	1	115	23
						5829482	89.00	90.00		0.07123	4	3	1	118	27

Drillhole: EB-21-57

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
3.00	161.00	MV			Mafic Volcanic (continued)	5829483	90.00	91.00		0.19562	51	3	1	339	33
						5829484	91.00	92.00		0.1427	68	3	3	62	6
			142.10	142.80	Slightly elevated py/po (+cpy?); still trace, possibly up to 0.5%	5829485	141.00	142.00		0.06389	16	3	1	39	1
						5829486	142.00	143.00		0.05375	13	3	1	48	1
						5829487	143.00	144.00		0.0325	5	3	1	17	2
			158.00	161.00	Several py/po stringers and blebs to end of hole	5829488	158.00	159.00		0.07392	3	3	1	160	1
						5829489	159.00	160.00		0.05045	2	3	1	125	1
						5829490	160.00	161.00		#VALUE!	2	3	1	124	<0.5
161.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	125378
Target:	FAULT BLOCK CONCEPT
Hole Number:	**EB-21-58**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405790
UTM Northing:	5141691
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	
Planned Collar Orientation:	Az: 0; Dip: -70
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-04-16
Date Completed:	2021-04-18
Drilling Company:	Vital Drilling
Date Logged:	April 18 - 19
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
11m	-68.6	5.7	55430	corrected az. = 356.5
101m	-68.8	6.7	55512	corrected az. = 357.5
200m	-68.4	8.1	55325	corrected az. = 358.9
251m	-67.9	9.2	55571	corrected az. = 360/0

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments: Hole is on the same set-up as EB-20-15, drilling opposite direction (due north)

Drillhole: EB-21-58

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	3.00	CAS			Casing / Overburden										
3.00	38.58	MD			Mafic Dyke										
					Light to medium grey-green; fine grained to locally weakly porphyritic with white-grey (plagioclase?) phenocrysts up to 2-3mm, up to 10-15%; massive; locally moderately broken and blocky core	5829491	31.00	32.00	1.00	0.07499	3	3	1	146	42
						5829492	32.00	33.00	1.00	0.10065	3	3	1	254	43
			10.90	14.90	Leucogabbro Dyke; light to medium grey-green; medium to coarse grained; massive; upper contact sharp and regular at 40° to c.a., lower contact faulted/brecciated and broken/blocky core	5829493	33.00	34.00	1.00	0.21207	2	3	1	665	81
						5829494	34.00	35.00	1.00	0.11764	3	3	1	334	45
			33.48	33.51	Quartz vein 1-2cm at 75-80° to c.a. with 50% pyhrrotite and 2-3% chalcopyrite and minor pyrite	5829495	35.00	36.00	1.00	0.08381	3	3	1	225	42
						5829496	36.00	37.00	1.00	0.09739	2	3	1	224	53
			38.35	38.58	Several irregular stringers and blebs of chalcopyrite up to several centimetres, 2-3% over the interval	5829497	37.00	38.00	1.00	0.07122	2	3	1	142	46
						5829498	38.00	39.00	1.00	0.29749	1	3	10	1000	61
					Lower contact sharp and regular at 80° to c.a.	5829499	39.00	40.00	1.00	0.23949	2	12	18	714	54
						5829500	Standard CDN-ME-9			5.11785	142	647	1359	6460	9110
38.58	135.30	LG/G			Leucogabbro / Gabbro	5829501	40.00	41.00	1.00	0.08581	3	9	12	112	52
					Not as coarse grained as "typical" leucogabbro seen further west; light to medium grey-green; medium to coarse grained; massive; occasional potassic-altered zones (pink to red feldspar and veins/veinlets)	5829502	41.00	42.00	1.00	0.08873	3	6	10	113	64
			43.40	45.30	Syenite Dyke; reddish-orange; fine grained; massive; inclusion of leucogabbro; conatcts sharp and irregular										
			55.20	55.40	Fault with ~10-15cm of gouge/mud										
						5829503	65.00	66.00	1.00	0.13101	3	21	28	150	66
			67.20	68.40	Trace to 1% fine to coarse grained chalcopyrite occasionally up to 1cm, usually in translucent light greenish-grey irregular veins/veinlets and breccia	5829504	66.00	67.00	1.00	0.08555	2	15	10	66	69
						5829505	67.00	68.00	1.00	0.47432	5	5	17	1750	85
						5829506	68.00	69.00	1.00	0.09907	2	15	14	132	59
						5829507	69.00	70.00	1.00	0.09212	2	13	15	88	66
						5829508	70.00	71.00	1.00	0.08852	2	15	18	51	66
			92.00	104.00	Fault / deformation zone; zone with numerous narrow, irregular mafic dykes/inclusions; locally sheared; local breccia; local strongly broken core										
					Lower contact sharp and irregular										

Drillhole: EB-21-58

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
135.30	204.20	MD			Mafic Dyke/Diabase										
					Similar to 3.00 to 38.58m, but no porphyritic texture exhibited; salt and peppert texture with up to 20% fine whitish feldspar <1mm; massive; medium grey; fine grained; no sulphides observed										
					Lower contact sharp and regular at 40° to c.a.										
			155.73	163.00	Leucogabbro dyke as from 38.58 to 135.30m; upper contact sharp, regular and faulted at 60° to c.a.; lower contact sharp and regular at 40° to c.a.										
204.20	251.00	LG			Leucogabbro										
					More typical of the leucogabbro to the west, with coarser plagioclase - approaching pegmatitic texture locally; local plagioclase clusters.										
						5829509	235.00	236.00	1.00	0.06508	4	3	4	68	93
					Below ~236m unit exhibits several narrow intervals that appear to be more gabbroic to melagabbro, but still primarily leucogabbro, and doesn't look like the Varitextured Gabbro; no sulphides observed, but taking some samples to check	5829510	Blank			#VALUE!	<1	<5	<1	<0.5	<0.5
						5829511	236.00	237.00	1.00	0.07817	3	3	6	67	138
						5829512	237.00	238.00	1.00	0.07179	4	6	11	53	93
						5829513	238.00	239.00	1.00	0.1105	6	3	7	90	207
						5829514	239.00	240.00	1.00	0.126	5	6	7	70	270
						5829515	240.00	241.00	1.00	0.08096	2	3	4	27	190
						5829516	241.00	242.00	1.00	0.07745	2	3	5	47	150
						5829517	242.00	243.00	1.00	0.12128	3	11	23	15	215
						5829518	243.00	244.00	1.00	0.13971	4	9	23	28	298
						5829519	244.00	245.00	1.00	0.08309	4	3	7	21	171
						5829520	245.00	246.00	1.00	0.07773	3	3	14	27	142
						5829521	246.00	247.00	1.00	0.05814	3	3	5	37	101
						5829522	Duplicate of 5829521			0.06157	3	3	6	45	103
						5829523	247.00	248.00	1.00	0.06899	3	3	5	44	136
						5829524	248.00	249.00	1.00	0.0662	3	3	6	45	114
						5829525	249.00	250.00	1.00	0.05818	4	3	4	29	109
						5829526	250.00	251.00	1.00	0.15575	60	3	6	54	142
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	136879 & 218756
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-59**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405902
UTM Northing:	5141622
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	372m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-04-22
Date Completed:	2021-04-24
Drilling Company:	Vital Drilling
Date Logged:	April 24 -25
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-58.0	185.2	55556	corrected az. = 176.0
101m	-59.8	186.2	54833	corrected az. = 177.0
200m	-58.9	188.1	54692	corrected az. = 178.9
251m	-58.5	188.8	54926	corrected az. = 179.6

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-59

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.60	CAS			Casing										
2.60	51.00	LG			Leucogabbro										
					Medium to light grey to locally pink-grey due to hematite/potassic alteration of feldspar; top 14m exhibits occasional large irregular veins/patches of hematite/potassic-altered material - solid red-pink; generally medium grained down to ~40m, then becoming coarse grained - more typical leucogabbro, with occasional skeletal leucoxene; massive with common fractures at variable core angles; core is often blocky/broken, locally strongly; lower contact somewhat obscured by broken/blocky core										
51.00	68.00	MD			Mafic Dyke										
					Medium to dark grey; fine grained; massive with locally common quartz-carb fractures, irregular oatches and veinlets; trace fine to medium grained disseminated, blebs and stringer pyrite; locally moderately to strongly broken/blocky core; below ~63.20m unit exhibits common bluish quartz - core is very broken/blocky so difficult to see - could be faulted section of mafic volcanics with blue quartz? upper and lower contacts are obscured by broken core - lower contact appears brecciated										
			54.66	55.20	Fault zone; breccia, gouge and rubble										
			59.00	62.00	There is about 1.5m of core missing from this interval - very broken/blocky/ground core										
			63.20	68.00	Bluish quartz-bearing; also narrow felsic (syenitic?) dyke ~20cm	5829527	65.00	66.00		0.02069	2	3	1	11	16
						5829528	66.00	67.00		0.03361	4	3	4	24	35
68.00	88.07	VT GB			Varitextured Gabbro	5829529	67.00	68.00		0.05757	2	3	2	125	51
					Generally medium grey-green to locally lighter due to inclusions of leucogabbro; fine to coarse grained; massive to locally banded/foliated at 45-60° to c.a.; unit generall looks more like a volcanic than an intrusive, with inclusions of leucogabbro; occasional intervals of moderate to strong epidote; trace chalcopyrite first noted at 70.90m, occurring as fine grained disseminated, medium grained blebs, patches and stringers; cpy often associated with quartz-carb fractures and veinlets; below ~85m sulphide mineralization becomes mainly blebs of pyrrhotite with pyrite - cpy last observed at 87.42m; lower contact somewhat arbitrary, as there seems to be mixing with the mafic volcanic below - sharp and regular	5829530	68.00	69.00		0.19658	10	20	30	300	196

Drillhole: EB-21-59

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
68.00	88.07	VT GB			Varitextured Gabbro (continued)	5829531	69.00	70.00		0.12389	4	5	14	157	154
						5829532	70.00	71.00		0.18705	7	9	26	243	181
						5829533	71.00	72.00		0.22208	10	17	29	357	291
						5829534	72.00	73.00		0.13414	5	3	7	186	277
						5829535	73.00	74.00		0.09308	5	3	3	154	135
						5829536	74.00	75.00		0.09922	4	3	2	155	140
						5829537	75.00	76.00		0.12484	5	3	10	216	190
						5829538	76.00	77.00		0.07489	4	3	7	111	111
						5829539	77.00	78.00		0.10688	6	3	3	247	110
						5829540	Standard CDN-ME-9			5.25817	137	659	1319	6810	9780
						5829541	78.00	79.00		0.17356	10	10	13	349	185
						5829542	79.00	80.00		0.12535	6	9	16	138	200
						5829543	80.00	81.00		0.10332	4	7	9	147	123
						5829544	81.00	82.00		0.20388	5	41	39	249	68
						5829545	82.00	83.00		0.11952	4	10	15	164	113
						5829546	83.00	84.00		0.06244	2	3	1	50	154
						5829547	84.00	85.00		0.08619	2	3	1	116	166
						5829548	85.00	86.00		0.141	3	24	26	136	133
						5829549	86.00	87.00		0.13534	4	27	24	142	52
						5829550	Blank			#VALUE!	2	3	1	<0.5	<0.5
						5829551	87.00	88.00		0.07365	3	3	1	139	42
88.07	101.75	MV			Mafic Volcanic (Dyke?)	5829552	88.00	89.00		0.07302	3	3	1	109	42
					Medium green-grey; fine grained to locally medium grained; massive to locally weakly brecciated; occasional irregular quartz-carbonate fractures/veinlets; local weak to moderate epidote; trace fine to medium grained pyrite, often associated with pyrrhotite in upper part of unit, occurring as blebs, fine to medium grained disseminated and in stringers/fractures/veinlets; lower contact sharp and regular at 40° to c.a.	5829553	89.00	90.00		0.07651	3	3	1	172	30
						5829554	90.00	91.00		0.06348	3	3	1	113	29
						5829555	91.00	92.00		0.09031	3	5	6	146	92
			94.85	95.65	Syenite dyke; contacts sharp and regular at 40° to c.a.										
101.75	121.45	PD			Porphyry dyke (intermediate to mafic)										
					Medium grey-green; fine grained with up to 5% irregular plagioclase phenocrysts up to ~1cm; massive; very rare fine grained pyrite; lower contact sharp and irregular										

Drillhole: EB-21-59

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
121.45	216.40	MV			Mafic Volcanic										
					Medium grey-green; fine grained; massive to locally weakly foliated/banded at 45-60° to c.a.; trace/rare fine grained pyrite; local fledpsar-epidote-rich bands up to ~1m; lower contact gradational										
216.40	234.60	GB			Gabbro										
					Appears to grade into the mafic volcanic above; medium green-grey; medium grained; massive; locally weakly to moderately magnetic; looks like it could be the same composition as the mafic volcanic unit above, and possibly an intrusive or medium grained equivalent; trace fine grained disseminated pyrite; lower contact sharp and regular at 40° to c.a.										
234.60	246.00	MV			Mafic Volcanic as from 88.07 to 101.75m; trace fine to medium grained stringer and disseminated, locally blebby pyrite; locally grades into medium grained, resembling the gabbro above; lower contact sharp and regular at 45° to c.a.	5829556	245.00	246.00		0.10258	3	3	5	198	52
						5829557	246.00	247.00		0.16793	8	26	25	243	72
246.00	251.00	GB			Gabbro as from 216.40 to 234.60m; leb of chalcopyrite in a narrow (2-3mm) quartz veinlet at 248.90 (bleb is 2 x 10mm); trace disseminated pyrite	5829558	247.00	248.00		0.16236	7	28	25	229	62
						5829559	248.00	249.00		0.21142	10	25	41	316	82
251.00		E.O.H.			End of Hole	5829560	DUP 5829559			0.16623	5	26	38	183	75
						5829561	249.00	250.00		0.37321	8	71	165	208	128
						5829562	250.00	251.00		0.53244	17	71	206	652	140

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	136879 & 218756
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-60**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405988
UTM Northing:	5141636
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	371
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-04-25
Date Completed:	2021-04-27
Drilling Company:	Vital Drilling
Date Logged:	April 26 to 28
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
17m	-59.7	186.7	54572	corrected az. = 177.5
101m	-59.8	189.3	53996	corrected az. = 180.1
200m	-58.7	189.8		corrected az. = 180.6
251m	-58.5	191.4		corrected az. = 182.2

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-60

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	4.60	Casing			Casing / overburden										
4.60	8.70	DD			Diabase Dyke										
					Medium grey; fine grained; massive; typical salt and pepper texture in core of unit, with more aphanitic texture near contacts; lower contact sharp and regular at 45° to c.a.										
8.70	46.10	LG			Leucogabbro										
					Medium to light grey to grey-pink due to potassic/hematitic alteration; coarse to locally medium grained; massive; couple of narrow (<1m) intervals of diabase dyke as above; lower contact sharp and regular at 40° to c.a.										
46.10	62.00	DD			Diabase Dyke as from 4.60 to 8.70m; local hematite-stained fractures/weak breccia; lower contact sharp and regular at 70° to c.a.	5829563	60.00	61.00	1.00	0.092	5	3	6	183	49
						5829564	61.00	62.00	1.00	0.098	4	9	5	183	51
62.00	102.37	VT GB			Varitextured Gabbro	5829565	62.00	63.00	1.00	0.255	3	29	145	6	158
					Generally dark grey-green to lighter grey-green downhole; down to ~77m unit is commonly pitted/vuggy/broken/blocky core with local narrow gouge - appears to be a fault/deformation zone; top of unit (down to ~74m) is predominantly gabbro/melagabbro with minor leucogabbro, and appears to have some diabase mixed in (blocky core makes it difficult to see); below ~74m looks more like mafic volcanic (fine grained gabbro?) with lesser inclusions of gabbro/melagabbro; medium to fine grained; massive to commonly fractured and locally variably sheared - mainly in the fault/deformation zone; trace chalcopyrite with pyrrhotite, first observed at 63.40m, sparse, and occurring as blebs, fine grained disseminated and veinlet-hosted	5829566	63.00	64.00	1.00	1.731	33	543	748	807	260
						5829567	64.00	65.00	1.00	0.114	6	5	29	59	126
			69.50	70.20	Fault; gouge/rubble and highly pitted, broken and vuggy core	5829568	65.00	66.00	1.00	0.083	2	7	16	11	115
						5829569	66.00	67.00	1.00	0.110	4	13	21	12	135
						5829570	Standard CDN-ME-9			5.312	193	689	1350	6650	9300
						5829571	67.00	68.00	1.00	0.110	3	9	32	22	115
						5829572	68.00	69.00	1.00	0.088	3	14	9	24	109
						5829573	69.00	70.00	1.00	0.440	6	113	233	16	99
						5829574	70.00	71.00	1.00	0.125	3	14	27	41	223
						5829575	71.00	72.00	1.00	0.068	5	3	2	30	145
						5829576	72.00	73.00	1.00	0.053	3	3	2	15	125
						5829577	73.00	74.00	1.00	0.071	4	3	4	65	133
						5829578	74.00	75.00	1.00	0.066	4	3	3	68	113

Drillhole: EB-21-60

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
62.00	102.37	VT GB			Varitextured Gabbro (continued)	5829579	75.00	76.00	1.00	0.061	4	3	3	59	107
						5829580	Blank			#VALUE!	4	3	1	<0.5	<0.5
						5829581	76.00	77.00	1.00	0.071	2	3	2	103	101
						5829582	77.00	78.00	1.00	0.044	2	3	1	20	99
						5829583	78.00	79.00	1.00	0.086	6	3	1	131	120
						5829584	79.00	80.00	1.00	0.075	4	3	2	107	124
						5829585	80.00	81.00	1.00	0.061	3	3	2	61	107
						5829586	81.00	82.00	1.00	0.062	2	3	2	55	126
						5829587	82.00	83.00	1.00	0.229	9	13	19	354	403
						5829588	83.00	84.00	1.00	0.114	5	7	10	114	221
						5829589	84.00	85.00	1.00	0.184	8	12	19	209	366
						5829590	Duplicate of 5829589			0.173	7	11	14	212	344
						5829591	85.00	86.00	1.00	0.111	5	3	7	170	195
						5829592	86.00	87.00	1.00	0.312	25	21	27	486	458
					Below ~88m begin to get disseminated and stringer pyrite	5829593	87.00	88.00	1.00	0.209	7	13	32	388	238
						5829594	88.00	89.00	1.00	0.110	2	3	2	194	160
						5829595	89.00	90.00	1.00	0.098	1	3	1	178	141
						5829596	90.00	91.00	1.00	0.080	1	3	1	107	149
						5829597	91.00	92.00	1.00	0.089	2	3	1	160	138
						5829598	92.00	93.00	1.00	0.104	4	3	10	160	128
						5829599	93.00	94.00	1.00	0.039	2	3	2	47	54
						5829600	Standard CDN-ME-9			5.191	141	659	1300	6799	9395
						5829601	95.00	95.00	0.00	0.115	4	6	18	72	279
						5829602	95.00	96.00	1.00	0.132	3	7	23	86	322
						5829603	96.00	97.00	1.00	0.109	4	3	2	177	200
						5829604	97.00	98.00	1.00	0.139	4	3	11	228	268
						5829605	98.00	99.00	1.00	0.083	2	3	2	16	285
					Last chalcopyrite noted at 100m in leucogabbro inclusion	5829606	99.00	100.00	1.00	0.191	3	6	24	213	492
						5829607	100.00	101.00	1.00	0.119	2	3	8	30	411
					Lower contact is gradational, based on diminishing inclusions of gabbro/leucogabbro in the mafic volcanic	5829608	101.00	102.00	1.00	0.155	4	3	17	185	347
						5829609	102.00	103.00	1.00	0.185	8	9	28	362	127
102.37	187.40	MV			Mafic Volcanic	5829610	Blank			#VALUE!	2	<5	<1	<0.5	<0.5
					Medium green-grey to locally lighter due to alteration/bleaching; fine grained; massive, with fairly common fracturing/weak breccia in upper 20m of unit; trace pyrite throughout, with local rounded blebs 3-4mm, and rare coarse rounded blebs up to 2cm, in upper 20m of unit; rare narrow (2 - 40cm) inclusions of leucogabbro/gabbro	5829611	103.00	104.00	1.00	0.094	2	3	4	166	132

Drillhole: EB-21-60

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
102.37	187.40	MV			Mafic Volcanic (continued)										
					158.56: only occurrence of chalcopyrite - small bleb in a quartz vein with epidote										
			174.56	183.20	Gabbro dyke; medium grey to locally lighter due to coarse potassic feldspar-rich intervals (buff-pink-whitish); medium to coarse grained; massive; no sulphides; upper contact sharp and regular at 40° to c.a., lower contact sharp and irregular										
					Lower contact sharp and irregular										
187.40	195.65	PD			Porphyry Dyke										
					Medium green-grey; fine grained with <5% irregular plagioclase phenocrysts up to 2cm; massive; trace fine grained disseminated pyrite; lower contact sharp and irregular										
195.65	251.00	MV			Mafic Volcanic as from 102.37 to 187.40m, with less fracturing and no coarse blebs of pyrite - still trace fine to medium grained disseminated, stringer and small blebs of pyrite; local feldspar-epidote-rich bands (+/- quartz) up to 40-50cm										
					~0.5m of core missing between 224 and 227m; looks like broken/ground/vuggy core (fault?) at 223.9 to ~224.5m, where the core seems tro be missing										
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	136879
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-61**
Length:	302
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	406154
UTM Northing:	5141686
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	375m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-04-27
Date Completed:	2021-04-30
Drilling Company:	Vital Drilling
Date Logged:	April 29 to May 1
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
11m	-59.5	187.5	55055	corrected az. = 178.3
101m	-58.8	186.2	54335	corrected az. = 177.0
200m	-58.6	190.7	54645	corrected az. = 181.5
302m	-57.9	193.0		corrected az. = 183.8

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-61

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.20	CAS			Casing										
1.20	47.46	LG/GB			Leucogabbro/Gabbro										
					Medium grey to locally lighter grey to reddish grey due to potassic feldspar; medium to coarse grained; massive; unit seems to be predominantly leucogabbro, locally grading to more gabbroic; local skeletal leucoxene in coarser grained leucogabbro; no sulphides; lower contact sharp and regular at 50° to c.a.										
						5829612	45.00	46.00		0.126	14	3	2	269	72
47.46	99.70	VT GB			Varitextured Gabbro	5829613		47.00		0.104	4	3	15	183	73
					Medium green-grey to locally darker; medium to fine grained; massive; unit is a mix of predominantly gabbro and melagabbro, with minor leucogabbro; faulting/deformation throughout unit, exhibiting common local seams of gouge/mud, intervals of strongly broken core usually up to ~20cm, fracturing, weak breccia, and vuggy/pitted core; appears to be a narrow fragmental dyke (lamprophyre?) with some faulting near upper contact (obscured by broken core); trace pyrite and sparse/rare chalcopyrite overall, with pyrite being predominant and cpy first noted at 52.40m; sulphides are generally fine grained disseminated; below ~70m unit looks more like a mix of mafic volcanic and gabbro, with local banding/bedding at 50-60 ° to c.a.	5829614		48.00		0.099	4	3	18	109	110
						5829615		49.00		0.159	6	26	48	41	186
					Lower contact somewhat obscured by broken core	5829616		50.00		0.092	2	3	8	54	168
						5829617		51.00		0.191	10	3	8	498	115
						5829618		52.00		0.108	5	3	4	194	90
						5829619		53.00		0.157	7	3	4	394	113
						5829620	Standard CDN-ME-9			5.221	143	684	1311	6824	9244
						5829621	53.00	54.00		0.182	10	3	3	459	116
						5829622		55.00		0.251	5	7	142	197	122
						5829623		56.00		0.074	1	3	22	10	98
						5829624		57.00		0.069	2	3	2	13	117
						5829625		58.00		0.085	1	3	4	64	136
						5829626		59.00		0.129	4	3	14	219	136
						5829627		60.00		0.094	2	3	16	37	140
						5829628		61.00		0.354	10	3	64	789	339
						5829629		62.00		0.124	4	3	8	157	131
						5829630	Blank			#VALUE!	3	3	1	<0.5	<0.5
						5829631	62.00	63.00		0.188	7	13	16	305	243

Drillhole: EB-21-61

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
47.46	99.70	VT GB			Varitextured Gabbro (continued)	5829632		64.00		0.288	5	40	126	68	347
						5829633		65.00		0.203	6	11	41	240	264
						5829634		66.00		0.219	6	15	52	340	207
						5829635		67.00		0.183	7	6	33	350	153
						5829636		68.00		0.366	14	28	109	621	266
						5829637		69.00		0.326	12	26	104	484	240
						5829638		70.00		0.729	30	92	287	863	388
						5829639		71.00		1.773	69	232	749	2100	815
						5829640	Duplicate of 5829639			1.714	61	220	758	1920	798
						5829641	71.00	72.00		1.360	53	168	567	1490	814
						5829642		73.00		1.084	58	120	414	1370	528
						5829643		74.00		0.463	31	19	68	1030	282
						5829644		75.00		0.188	12	11	34	283	166
						5829645		76.00		0.244	10	18	53	330	191
						5829646		77.00		0.165	7	7	25	269	168
						5829647		78.00		0.331	21	17	53	680	193
						5829648		79.00		0.607	31	57	143	1040	414
						5829649		80.00		0.225	10	16	44	312	206
						5829650	Standard CDN-ME-9			5.241	143	655	1331	6848	9439
						5829651	80.00	81.00		0.435	25	20	62	1070	197
						5829652		82.00		0.985	57	63	186	2440	341
						5829653		83.00		0.674	33	45	156	1380	355
						5829654		84.00		0.233	9	16	57	322	222
						5829655		85.00		0.134	6	8	23	182	141
						5829656		86.00		0.081	4	3	15	43	130
						5829657		87.00		0.264	10	16	67	440	212
						5829658		88.00		0.153	6	8	16	305	109
						5829659		89.00		0.280	9	25	76	424	166
						5829660	Blank			#VALUE!	2	3	1	<0.5	1
						5829661	89.00	90.00		0.135	4	3	30	204	139
						5829662		91.00		0.065	3	3	3	54	49
						5829663		92.00		0.094	3	3	8	108	76
					Last chalcopyrite noted at 93.20m	5829664		93.00		0.171	4	8	35	240	155
						5829665		94.00		0.450	20	27	71	966	212
						5829666		95.00		0.136	4	8	26	129	163
						5829667		96.00		0.581	20	64	173	853	327
						5829668		97.00		0.120	2	3	10	184	127
						5829669		98.00		0.252	8	10	31	490	214

Drillhole: EB-21-61

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
47.46	99.70	VT GB			Varitextured Gabbro (continued)	5829670	Duplicate of 5829669			0.229	7	9	29	367	230
						5829671	98.00	99.00		0.233	7	12	45	322	211
99.70	302.00	MV/MD			Mafic Volcanic / Dyke	5829672		100.00		0.181	6	9	36	224	151
					Medium grey-green; fine grained to aphanitic; massive; down to 127m exhibits faulting/deformation characteristics as in unit above, i.e. common strongley broken core intervals, local gouge and ground core, local weak breccia and fracturing; also a couple of narrow (<1m) fragmental (lamprophyre?) dykes down to 127m; trace/rare pyrite	5829673		101.00		0.216	6	23	63	262	143
						5829674		102.00		0.177	5	9	42	201	155
						5829675		103.00		0.168	5	7	24	263	120
						5829676		104.00		0.236	4	7	11	659	84
						5829677		105.00		0.127	6	5	19	94	230
			110.90	113.43	Syenite dyke; pink-orange; medium grained; massive; upper contact at 35° to c.a., lower contact sharp and irregular										
			159.90	163.15	Leucogabbro dyke; light grey-green; coarse to medium grained; massive; trace fine grained disseminated pyrite	5829678	179.00	180.00		0.056	2	3	1	61	79
						5829679	180.00	181.00		0.211	6	11	20	469	214
			180.02	180.54	Narrow interval of gabbro/melagabbro with 1-2% stringer, disseminated and blebby pyrrhotite and chalcopyrite; foliated at 60° to c.a.	5829680	Standard CDN-ME-9			5.279	228	645	1300	6710	9360
						5829681	181.00	182.00		0.055	1	3	1	12	139
					Below 200m there are occasional syenite and feldspar dykes, veins and patches, with local epidote alteration and local moderate fracturing/veins/veinlets; trace/rare fracture-hosted and disseminated pyrite										
			275.22	281.70	Syenite Dyke; orange-red; fine to medium grained; massive; strongly fractured and brecciated, with moderately to locall strongly broken core; upper contact sharp and regular at 45° to c.a., lower contact irregular										
			288.25		1cm epidote-rich vein with several blebs chalcopyrite; not part of any zone, so not sampled										
			297.30	299.60	Leucogabbro Dyke;light to medium grey-pink, with 25-30% coarse grained pinkish potassic(?) feldspar; medium to coarse grained; massive; upper contact sharp and irregular, lower contact sharp and regular at 60° to c.a.										
302.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	136879
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-62**
Length:	302m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	406260
UTM Northing:	5141719
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	376m
Planned Collar Orientation:	AZ: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-04-30
Date Completed:	2021-05-04
Drilling Company:	Vital Drilling
Date Logged:	May 1 to 5
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-60.1	192.4	54565	corrected az. = 183.2
101m	-58.5	193.8	54977	corrected az. = 184.6
200m	-57.7	194.5	54500	corrected az. = 185.3
302m	-57.1	197.3	54476	corrected az. = 188.1

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-62

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.30	CAS			Casing / Overburden										
1.30	28.90	LG			Leucogabbro										
					Medium to light grey to grey-pink; medium to coarse grained; massive; no sulphides; lower contact looks sharp, but obscured by broken core										
28.90	85.90	DD			Diabase Dyke										
					Medium grey; fine grained; massive; typical salt and pepper texture; numerous small rounded inclusions of leucogabbro up to ~1cm, and one large inclusion (~1m) in the top 3m; no sulphides; lower contact obscured by broken core										
						5829682	84.00	85.00	1.00	0.141	6	22	21	209	47
						5829683	85.00	86.00	1.00	0.199	15	19	16	435	78
85.90	134.50	VT GB			Varitextured Gabbro	5829684	86.00	87.00	1.00	0.441	17	60	111	527	476
					Mix of gabbro, melagabbro and minor leucogabbro; fine to coarse grained; massive to locally moderately @45° to c.a.; local moderately broken core; sulphides are mainly pyrite, trace and fine to medium grained disseminated, with trace/sparse chalcopyrite and pyrrhotite - usually fine to very fine grained disseminated - could be more than noted because some intervals appear to exhibit very fine grained cpy and po on closer inspection	5829685	87.00	88.00	1.00	0.884	45	113	289	1150	630
						5829686	88.00	89.00	1.00	0.194	5	23	41	98	341
						5829687	89.00	90.00	1.00	0.349	19	37	97	604	112
						5829688	90.00	91.00	1.00	0.131	5	12	19	94	200
						5829689	91.00	92.00	1.00	0.257	6	41	87	165	163
						5829690	Blank			#VALUE!	2	3	<1	<0.5	<0.5
						5829691	92.00	93.00	1.00	0.098	6	3	6	125	95
						5829692	93.00	94.00	1.00	0.248	11	33	79	224	159
						5829693	94.00	95.00	1.00	0.646	15	128	304	326	290
						5829694	95.00	96.00	1.00	0.163	7	3	8	228	340
						5829695	96.00	97.00	1.00	0.239	6	46	102	70	88
						5829696	97.00	98.00	1.00	0.444	17	82	169	355	177
						5829697	98.00	99.00	1.00	0.318	29	21	44	598	192
						5829698	99.00	100.00	1.00	0.319	18	28	84	426	174
						5829699	100.00	101.00	1.00	0.194	16	3	6	424	158
						5829700	101.00	102.00	1.00	0.145	8	3	9	247	149
						5829701	102.00	103.00	1.00	0.528	27	43	110	945	358
						5829702	Duplicate of 5829701			0.520	28	46	111	900	352
						5829703	103.00	104.00	1.00	0.370	31	14	48	722	241

Drillhole: EB-21-62

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
85.90	134.50	VT GB			Varitextured Gabbro (continued)	5829704	104.00	105.00	1.00	0.299	29	10	32	645	152
						5829705	105.00	106.00	1.00	0.356	47	9	19	841	136
						5829706	106.00	107.00	1.00	0.302	47	7	24	583	128
			107.60	108.28	Fault zone; ~40% gouge/rubble; stronglye broken core	5829707	107.00	108.00	1.00	0.148	13	3	9	251	98
						5829708	108.00	109.00	1.00	0.390	23	16	38	976	184
						5829709	109.00	110.00	1.00	0.266	11	3	17	632	195
						5829710	Standard CDN-ME-9			5.279	185	625	1387	6650	9460
						5829711	110.00	111.00	1.00	0.240	8	3	15	559	196
						5829712	111.00	112.00	1.00	0.173	6	3	8	350	141
						5829713	112.00	113.00	1.00	0.096	3	3	1	127	108
						5829714	113.00	114.00	1.00	0.118	4	3	1	237	76
						5829715	114.00	115.00	1.00	0.157	8	3	5	338	71
						5829716	115.00	116.00	1.00	0.203	10	3	11	523	131
						5829717	116.00	117.00	1.00	0.219	9	11	43	429	136
						5829718	117.00	118.00	1.00	0.274	18	18	68	448	190
						5829719	118.00	119.00	1.00	0.440	17	58	192	332	243
						5829720	Blank			#VALUE!	2	<5	<1	<0.5	<0.5
						5829721	119.00	120.00	1.00	0.110	4	3	7	54	223
						5829722	120.00	121.00	1.00	0.265	5	38	101	153	190
						5829723	121.00	122.00	1.00	0.147	6	7	20	217	207
						5829724	122.00	123.00	1.00	0.350	12	51	150	253	195
						5829725	123.00	124.00	1.00	0.083	4	3	9	90	85
						5829726	124.00	125.00	1.00	0.116	9	3	9	221	46
						5829727	125.00	126.00	1.00	0.096	4	3	11	178	26
						5829728	126.00	127.00	1.00	0.137	4	3	15	293	51
						5829729	127.00	128.00	1.00	0.385	25	26	70	815	181
						5829730	Duplicate of 5829729			0.354	26	29	83	573	193
						5829731	128.00	129.00	1.00	0.316	26	28	75	393	196
					Last chalcopyrite noted at 130.6m	5829732	129.00	130.00	1.00	0.629	21	102	217	668	418
						5829733	130.00	131.00	1.00	0.478	26	76	117	685	268
						5829734	131.00	132.00	1.00	0.228	21	34	48	286	136
						5829735	132.00	133.00	1.00	0.179	10	12	36	280	175
						5829736	133.00	134.00	1.00	1.177	18	411	329	1010	346
134.50	205.10	PD			Porphyry Dyke	5829737	134.00	135.00	1.00	1.123	18	468	372	386	180
					Medium grey; fine grained with 2-3% irregular plagioclase phenocrysts up to 1.5cm; massive with locally moderately broken core and weak brecciation/fracturing; lower contact is faulted/sheared at 40° to c.a.	5829738	135.00	136.00	1.00	0.066	4	3	4	87	90
						5829739	136.00	137.00	1.00	0.058	5	8	7	2	92

Drillhole: EB-21-62

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						5829740	137.00	138.00	1.00	0.080	3	3	1	161	77
205.10	260.60	MV			Mafic Volcanic										
					Medium green-grey, with common pink-green-white veins/patches up to 0.5m with feldspar +/- epidote alteration, down to 238.20m; fine to locally medium grained; massive with local veins/patches as described above; trace/rare chalcopyrite, first noted at 217.35										
			205.10	207.30	Fault Zone, with fragmental dyke; several gouge/mud seams up to 20cm; appears to be fragmental (lamprophyre?) dyke; moderate irregular quartz-carb veins/fractures										
						5829741	216.00	217.00	1.00	0.063	1	3	1	19	178
			217.35	233.25	Several occurrences of chalcopyrite, beginning at 217.35 with a 2mm veinlet associated with feldspar-epidote vein/patch; chalcopyrite generally very fine grained, disseminated and occasional stringer; minor pyrite, doesn't appear to be any pyrrhotite; taking samples to check	5829742	217.00	218.00	1.00	0.067	1	3	1	77	145
						5829743	218.00	219.00	1.00	0.059	1	3	1	37	150
						5829744	219.00	220.00	1.00	0.066	1	3	1	77	151
						5829745	220.00	221.00	1.00	0.095	3	3	1	134	175
						5829746	221.00	222.00	1.00	0.125	2	3	2	269	175
						5829747	222.00	223.00	1.00	0.071	2	3	1	96	148
						5829748	223.00	224.00	1.00	0.062	2	3	1	37	149
						5829749	224.00	225.00	1.00	0.067	1	3	1	34	163
						5829750	Blank			#VALUE!	3	3	1	3	1
						5829751	225.00	226.00	1.00	0.070	2	3	1	59	170
						5829752	226.00	227.00	1.00	0.071	2	3	1	34	188
						5829753	227.00	228.00	1.00	0.061	4	3	3	40	135
						5829754	228.00	229.00	1.00	0.071	2	3	1	49	200
						5829755	229.00	230.00	1.00	0.071	2	3	1	45	184
						5829756	230.00	231.00	1.00	0.077	2	3	1	68	183
						5829757	231.00	232.00	1.00	0.070	2	3	1	43	171
						5829758	232.00	233.00	1.00	0.101	2	3	1	151	207
						5829759	233.00	234.00	1.00	0.076	1	3	1	90	163
						5829760	Duplicate of 5829760			0.064	1	3	1	38	165
						5829761	234.00	235.00	1.00	0.067	2	3	1	35	160
						5829762	235.00	236.00	1.00	0.063	1	3	1	38	146
			238.20	253.60	Massive mafic volcanic, with very little feldspar or epidote; fine grained										

Drillhole: EB-21-62

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
205.10	260.60	MV			Mafic Volcanic (continued)										
						5829763	258.00	259.00	1.00	0.029	3	3	1	15	46
			259.28	259.87	Irregular quartz flooding/vein with breccia and coarse irregular patch of chalcopyrite ~3cm x 5cm, and nearby stringers, with coarse patch of pyrite similar in size; ~7-10% chalcopyrite and 7-10% pyrite overall	5829764	259.00	260.00	1.00	0.283	79	3	1	649	23
						5829765	260.00	261.00	1.00	0.174	40	3	1	488	7
					Lower contact gradational, irregular										
260.60	268.75	SYEN			Syenite Dyke										
					Medium to light pink-orange; fine to medium grained; massive with common irregular fracturing; moderately broken/blocky core; lower contact obscured by broken core										
268.75	302.00	MV			Mafic Volcanic; as from 205.10 to 260.60m with only occasional feldspar and epidote veins and patches; fine to locally medium grained; massive to locally weakly foliated at 45-50° to c.a.; trace disseminated pyrite										
302.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	136879
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-63**
Length:	161m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	406348
UTM Northing:	5141716
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	390m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-05-04
Date Completed:	2021-05-06
Drilling Company:	Vital Drilling
Date Logged:	May 5 to 7
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-61.5	189.1		corrected az. = 179.9
101m	-59.8	192.8	54716	corrected az. = 183.6
				corrected az. =
				corrected az. =

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:
Hole abandoned early due to bad ground
It appears we still got through the mineralized zone
No test at end of hole due to ground problems

Drillhole: EB-21-63

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.80	CAS													
2.80	76.25	LG			Leucogabbro	5829766	74.00	75.00	1.00	0.153	2	9	36	28	268
					Medium to light grey, grey-green to locally pinkish-grey; medium to coarse grained; massive; some variation in graine size and colour throughout, and could be more gabbroic locally but predominantly leucogabbro; no sulphides; lower contact partially obscured by broken core	5829767	75.00	76.00	1.00	0.114	2	15	10	141	132
						5829768	76.00	77.00	1.00	0.167	2	16	20	95	318
76.25	81.00	VT GB			Varitextured Gabbro	5829769	77.00	78.00	1.00	0.323	2	92	48	144	421
					Mix of predominantly gabbro and melagabbro with minor leucogabbro; medium to darker green; upper part is coarse grained, but varies from fine to coarse throughout hole; massive; trace chalcopyrite overall, commonly with pyrrhotite, first noted at 79.80m; lower contact sharp and irregular	5829770	Standard CDN-ME-9			5.287	167	691	1350	6590	9447
						5829771	78.00	79.00	1.00	0.832	6	202	290	501	607
81.00	108.10	MD			Mafic / Diabase Dyke	5829772	79.00	80.00	1.00	0.807	2	300	251	63	600
					Medium grey; fine grained; massive, with rare plagioclase phenocrysts up to ~1cm, and typical salt and pepper texture; down to 85.5m there are several irregular brecciated quartz veins with coarse blebs and stringers of chalcopyrite and pyrrhotite up to several centimetres - trace overall	5829773	80.00	81.00	1.00	0.816	6	39	591	156	474
						5829774	81.00	82.00	1.00	0.239	2	3	52	541	166
						5829775	82.00	83.00	1.00	0.824	3	3	6	3580	57
						5829776	83.00	84.00	1.00	0.075	3	3	1	151	43
						5829777	84.00	85.00	1.00	0.657	9	3	1	2600	124
						5829778	85.00	86.00	1.00	0.113	4	3	1	289	55
						5829779	86.00	87.00	1.00	0.064	2	3	1	115	41
						5829780	Blank			0.005	1	3	1	0	1
						5829781	87.00	88.00	1.00	0.073	5	3	1	117	49
						5829782	88.00	89.00	1.00	0.071	2	3	1	129	48
						5829783	89.00	90.00	1.00	0.076	3	3	1	148	49
						5829784	90.00	91.00	1.00	0.074	3	3	1	140	49
						5829785	91.00	92.00	1.00	0.076	3	3	1	146	45
						5829786	92.00	93.00	1.00	0.102	3	3	1	270	38
						5829787	93.00	94.00	1.00	0.059	2	3	1	96	28
			94.50	98.77	Varitextured gabbro as from 76.25 to 81.00m; moderately broken core; trace chalcopyrite; contacts sharp at 55° to c.a.	5829788	94.00	95.00	1.00	3.642	46	925	2140	1030	197
						5829789	95.00	96.00	1.00	0.151	3	6	22	28	489
						5829790	96.00	97.00	1.00	0.321	8	20	78	570	325

Drillhole: EB-21-63

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
81.00	108.10	MD			Mafic / Diabase Dyke (continued)	5829791	Duplicate of 5829790			4.914	1820	220	1660	1260	347
						5829792	97.00	98.00	1.00	0.163	7	3	19	327	148
						5829793	98.00	99.00	1.00	0.211	12	3	21	504	173
						5829794	99.00	100.00	1.00	0.110	4	15	16	153	45
						5829795	100.00	101.00	1.00	0.097	3	14	15	116	45
						5829796	101.00	102.00	1.00	0.112	6	12	19	145	49
						5829797	102.00	103.00	1.00	0.131	5	11	16	259	48
						5829798	103.00	104.00	1.00	0.123	6	12	17	204	47
						5829799	104.00	105.00	1.00	0.100	3	8	13	174	43
						5829800	Standard CDN-ME-9			5.157	178	638	1270	6780	9030
						5829801	105.00	106.00	1.00	0.099	4	12	14	125	44
					Lower contact sharp, faulted at ~90° to c.a.	5829802	106.00	107.00	1.00	0.112	3	15	15	150	50
						5829803	107.00	108.00	1.00	0.117	9	10	12	221	40
108.10	113.13	FZ			Fault Zone	5829804	108.00	109.00	1.00	0.550	42	54	97	1050	392
					Starts off with ~30cm of gouge/mud, with more narrow gouge seams scattered through interval; moderately broken/blocky core; rock looks like a mix of VT GB with lesser amounts of the mafic dyke above; local stringers and blebs of chalcopyrite - trace overall	5829805	109.00	110.00	1.00	4.370	146	1040	2360	1660	718
						5829806	110.00	111.00	1.00	1.177	54	342	309	1010	606
						5829807	111.00	112.00	1.00	5.982	133	1250	3300	3200	1240
						5829808	112.00	113.00	1.00	0.899	155	53	119	1590	713
113.13	140.20	VT GB			Varitextured Gabbro	5829809	113.00	114.00	1.00	1.349	43	209	643	1270	479
					As from 76.28 to 81.00m; down to ~125m unit is moderate to strongly altered - appears to be silicified, carbonatized and epidotized - probably related to fault zone above; trace chalcopyrite, pyrrhotite and pyrite, with local cpy + po up to 2-3% over 20-30cm	5829810	Blank			#VALUE!	2	3	5	<0.5	2
						5829811	114.00	115.00	1.00	0.148	9	3	22	273	148
						5829812	115.00	116.00	1.00	1.003	21	179	584	455	237
						5829813	116.00	117.00	1.00	0.854	26	103	369	845	579
						5829814	117.00	118.00	1.00	0.353	13	23	96	521	383
						5829815	118.00	119.00	1.00	0.297	22	12	45	551	362
						5829816	119.00	120.00	1.00	0.791	22	94	346	820	511
						5829817	120.00	121.00	1.00	0.210	7	18	28	362	246
						5829818	121.00	122.00	1.00	0.473	13	56	143	727	321
						5829819	122.00	123.00	1.00	0.183	27	3	12	257	289
						5829820	123.00	124.00	1.00	0.427	7	3	3	1430	400
						5829821	Duplicate of 5829820			0.123	4	3	5	78	371
						5829822	124.00	125.00	1.00	0.327	16	29	53	547	410

Drillhole: EB-21-63

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
113.13	140.20	VT GB			Varitextured Gabbro (continued)	5829823	125.00	126.00	1.00	1.944	64	445	829	1540	616
						5829824	126.00	127.00	1.00	1.305	23	211	677	918	599
			127.80	131.00	Appears ro be an interval of elevated chalcopyrite and pyrrhotite mineralization; locally up to 2-3% over 20-30cm; still trace overall, maybe up to 0.5% over the interval	5829825	127.00	128.00	1.00	1.419	48	291	669	1020	443
						5829826	128.00	129.00	1.00	3.157	112	537	1590	2540	837
						5829827	129.00	130.00	1.00	0.727	60	28	72	1410	921
			131.30	133.50	Fault Zone; low angle to subparallel to core axis; within melagabbro, dark green, soft	5829828	130.00	131.00	1.00	0.894	38	105	325	868	859
						5829829	131.00	132.00	1.00	0.228	3	16	40	46	527
						5829830	Standard CDN-ME-9			5.218	165	651	1380	6670	8900
						5829831	132.00	133.00	1.00	0.156	2	3	9	18	337
						5829832	133.00	134.00	1.00	0.196	6	12	36	149	340
						5829833	134.00	135.00	1.00	0.112	6	3	7	168	177
						5829834	135.00	136.00	1.00	0.130	2	3	8	48	422
						5829835	136.00	137.00	1.00	0.099	2	3	5	38	297
						5829836	137.00	138.00	1.00	0.307	13	73	69	276	211
					Lower contact sharp and regular at 60° to c.a.	5829837	138.00	139.00	1.00	0.401	15	82	111	380	282
						5829838	139.00	140.00	1.00	0.520	32	102	137	592	302
140.20	161.00	MV			Mafic Volcanic	5829839	140.00	141.00	1.00	0.308	16	29	72	471	302
					Medium to dark grey-green, locally lighter due to feldspar and epidote alteration; fine grained, with occasional medium grained gabbroic inclusions less than 20cm; massive with common quartz-carb-fspr-epid fractures and occasional flooding <1m; occasional narrow (10-20cm) gabbroic-looking inclusions; trace pyrite, and last definite occurrence of chalcopyrite + pyrrhotite is at 145.20m in a small veinlet with epidote and feldspar; possible fine grained cpy at 151.50m	5829840	Blank			#VALUE!	2	3	1	<0.5	<0.5
						5829841	141.00	142.00	1.00	0.084	3	3	3	110	160
			156.00	161.00	Strongly broken/blocky/ground/gravelly core with local gouge and mud	5829842	142.00	143.00	1.00	0.101	6	3	3	153	145
						5829843	143.00	144.00	1.00	0.106	4	3	2	206	137
						5829844	144.00	145.00	1.00	0.047	2	3	2	37	103
						5829845	145.00	146.00	1.00	0.043	3	3	1	41	73
						5829846	146.00	147.00	1.00	0.058	2	3	2	69	100
						5829847	147.00	148.00	1.00	0.076	3	3	10	105	84
						5829848	148.00	149.00	1.00	0.141	3	3	3	351	82
						5829849	149.00	150.00	1.00	0.049	3	3	1	84	19
						5829850	150.00	151.00	1.00	0.063	4	3	1	106	28
						5829851	151.00	152.00	1.00	0.082	4	3	1	197	28
						5829852	152.00	153.00	1.00	0.055	3	3	1	27	134

Drillhole: EB-21-63

Major		Code	Minor		Description	Samples				PdEq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
140.20	161.00	MV			Mafic Volcanic (continued)	5829853	153.00	154.00	1.00	0.069	2	3	2	68	147
						5829854	154.00	155.00	1.00	0.064	8	3	1	19	164
					Note: Hole abandoned at 161m after trying for over a shift to get through the bad ground above and we appeared to at least be through the mineralized VT GB										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	292705
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-64**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	406458
UTM Northing:	5141713
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	382m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-05-07
Date Completed:	2021-05-10
Drilling Company:	Vital Drilling
Date Logged:	May 31 to June 2
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-58.3	189.6	54761	corrected az. = 180.4
101m	-59.2	190.7	54839	corrected az. = 181.5
200m	-58.3	191.2	54920	corrected az. = 182.0
251m	-58.5	192.5	54805	corrected az. = 183.3

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-64

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.50	CAS			Casing/Overburden										
						662001	62.00	63.00	1.00	0.101	1	15	16	111	70
1.50	66.22	LG			Leucogabbro	662002	63.00	64.00	1.00	0.224	3	44	106	73	86
					Medium to light grey, grey-green to locally pink-grey due to hematite/potassic alteration; medium to coarse grained; massive; no sulphides; lower contact sharp and regular at 45° to c.a.	662003	64.00	65.00	1.00	0.147	1	8	85	19	111
						662004	65.00	66.00	1.00	0.086	1	3	31	35	100
66.22	70.85	VT GB			Varitextured Gabbro	662005	66.00	67.00	1.00	0.082	1	5	18	32	123
					Mix of leucogabbro, gabbro and melagabbro; medium to darker green-grey with some lighter green-grey intervals; coarse to medium grained; massive, with inclusion contacts; trace chalcopyrite (+/- pyrrhotite) mainly as fine grained disseminated with local fine to medium grained wisps/blebs; lower contact sharp and irregular	662006	67.00	68.00	1.00	0.747	9	77	372	747	392
						662007	68.00	69.00	1.00	0.248	4	9	130	155	202
						662008	69.00	70.00	1.00	0.702	12	66	258	1010	540
						662009	70.00	71.00	1.00	0.246	6	11	35	516	321
						662010	Standard CDN-ME-9			4.747	120	637	1300	5970	7840
						662011	71.00	72.00	1.00	0.122	3	3	3	327	74
70.85	90.80	DIA			Diabase Dyke	662012	72.00	73.00	1.00	0.112	1	3	3	301	68
					Medium grey; fine grained; massive with local vague/ghost phenocrysts; no sulphides except small chalcopyrite bleb in quartz vein at 89.30m; lower contact sharp and regular at 70° to c.a.				0.00						
						662013	88.00	89.00	1.00	0.149	33	3	3	233	56
90.80	123.50	VT GB			Varitextured Gabbro	662014	89.00	90.00	1.00	0.084	1	3	3	177	63
					Similar to 66.22 to 70.85m but with moderate alteration, brecciation and appears to be occasional narrow intervals of mafic/diabase dyke; alteration consists of fedlspar alteration(?) - bleached and with feldspar veins brecciated and sheared; trace fine to medium grained blebs of chalcopyrite that appears to drop off below ~105m	662015	90.00	91.00	1.00	0.264	3	74	99	68	140
						662016	91.00	92.00	1.00	0.386	5	11	268	19	318
			90.80	97.00	Fault / deformation zone; moderately broken/blocky core with several gouge seams	662017	92.00	93.00	1.00	1.380	11	502	633	49	330
						662018	93.00	94.00	1.00	5.214	46	1450	3170	100	579
						662019	94.00	95.00	1.00	0.187	1	15	15	236	386
						662020	Blank			#VALUE!	< 2	< 5	< 5	2	2
						662021	95.00	96.00	1.00	0.686	131	42	87	1160	422
						662022	96.00	97.00	1.00	3.685	70	760	2080	1810	754

Drillhole: EB-21-64

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
90.80	123.50	VT GB			Varitextured Gabbro (continued)	662023	97.00	98.00	1.00	1.779	47	397	1050	403	323
						662024	98.00	99.00	1.00	3.827	152	852	1800	2710	817
						662025	99.00	100.00	1.00	0.646	11	88	215	1010	348
						662026	100.00	101.00	1.00	2.837	35	651	1540	1410	537
						662027	101.00	102.00	1.00	1.338	11	292	720	514	593
						662028	Duplicate of 622027			1.192	21	229	538	1010	520
						662029	102.00	103.00	1.00	1.044	12	207	572	423	465
						662030	103.00	104.00	1.00	0.614	15	45	90	1220	763
						662031	104.00	105.00	1.00	0.889	26	80	173	1860	727
						662032	105.00	106.00	1.00	0.409	11	54	102	673	317
						662033	106.00	107.00	1.00	0.385	7	84	84	383	430
						662034	107.00	108.00	1.00	0.060	1	3	3	18	158
						662035	108.00	109.00	1.00	0.089	1	9	7	55	203
						662036	109.00	110.00	1.00	0.259	8	30	44	418	311
						662037	110.00	111.00	1.00	0.103	1	8	13	77	235
						662038	111.00	112.00	1.00	0.092	1	15	10	73	157
						662039	112.00	113.00	1.00	0.091	1	3	3	22	307
						662040	Standard CDN-ME-9			5.170	169	671	1350	6620	8620
						662041	113.00	114.00	1.00	0.114	3	3	9	91	310
						662042	114.00	115.00	1.00	0.083	4	8	8	61	184
					Last chalcopyrite noted at 115.76m	662043	115.00	116.00	1.00	0.152	4	16	29	197	221
						662044	116.00	117.00	1.00	0.136	2	10	15	215	212
						662045	117.00	118.00	1.00	0.371	12	47	75	553	423
						662046	118.00	119.00	1.00	0.185	6	10	19	241	379
						662047	119.00	120.00	1.00	0.145	1	11	19	33	467
						662048	120.00	121.00	1.00	0.128	3	3	3	140	360
						662049	121.00	122.00	1.00	0.134	18	3	3	40	402
						662050	Blank			#VALUE!	1	3	3	4	4
					Lower contact sharp and regular at 70° to c.a. - somewhat subjective as diabase starts occurring in the VT GB above	662051	122.00	123.00	1.00	0.149	1	6	3	269	225
						662052	123.00	124.00	1.00	0.103	1	3	3	102	275
123.50	212.85	DIA			Diabase Dyke; as from 70.85 to 90.80m	662053	124.00	125.00	1.00	0.105	1	3	3	6	398
						662054	125.00	126.00	1.00	0.098	1	3	3	3	384
			174.30	191.20	Fault Zone; zones of strongly broken/blocky/rubbly core, breccia, quartz-carbonate and feldspar veining, hematite alteration										
					Lower contact fairly sharp and irregular										

Drillhole: EB-21-64

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
212.85	235.27	MV/MD			Altered Mafic Volcanic/Dyke	662055	229.00	230.00	1.00	0.088	1	3	3	55	239
					Begins with a porphyritic unit to ~217m, then becomes moderately to stongly altered with feldspar, epidote, hematite with local brecciated appearance - vaguely resembles the altered VT GB from 90.80 to 123.50m, but doesn't appear to be the mix of gabbro phases; trace disseminated and patchy pyrite throughout; fine to coarse grained; medium to light grey green; often chaotic-looking, with local inclusions(?); noted a couple very fine grained flecks of possible chalcopyrite at ~231 to 233m - taking some samples to check; lower contact sharp and irregular	662056	230.00	231.00	1.00	0.388	3	35	66	579	577
						662057	231.00	232.00	1.00	0.300	3	14	23	726	354
						662058	232.00	233.00	1.00	0.228	3	8	13	589	319
						662059	233.00	234.00	1.00	0.305	1	10	3	793	419
						662060	234.00	235.00	1.00	0.107	1	3	7	166	210
235.27	251.00	SYEN			Syenite										
					Orange-pink; fine to medium grained; massive with common irregular fractures; trace patchy, stringer and disseminated pyrite										
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	341594
Target:	GARDEN ZONE EXTENSION
Hole Number:	**EB-21-65**
Length:	248.0m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403403
UTM Northing:	5141354
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	377m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-05
Date Completed:	2021-06-08
Drilling Company:	Vital Drilling
Date Logged:	June 6 to 8
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
20m	187.4	-60.9	55765	corrected az. = 178.2
101m	190.3	-61.2	56294	corrected az. = 181.1
200m	190.8	-60.9	55605	corrected az. = 181.6
248m	192.0	-60.4	564677	corrected az. = 182.8

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-65

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.80	CAS			Casing / Overburden										
2.80	94.57	LG			Leucogabbro										
					Medium to lighte grey to locally greenish due to epidote alteration; coarse to medium grained; massive; downhole exhibits several narrow intervals that appear slightly more gabbroic										
			58.45	60.20	Fragmental (lamprophyre?) dyke; faulted/brecciated contacts; moderately broken/blocky core with occasional narrow gouge seams; medium to dark green-grey; fine grained with medium grained fragments (1-2mm); massive	662061	86.00	87.00	1.00	0.090	1	12	14	54	106
						662062	87.00	88.00	1.00	0.096	1	15	11	60	113
			83.33	84.40	Mafic dyke; medium grey-green; fine grained; massive; moderate fracturing with epidote alteration	662063	88.00	89.00	1.00	0.129	1	22	19	148	105
						662064	89.00	90.00	1.00	0.116	1	23	24	67	101
					Lower contact gradational/subjective/irregular	662065	90.00	91.00	1.00	0.121	1	25	27	72	94
						662066	91.00	92.00	1.00	0.087	1	12	8	81	85
94.57	132.05	VT GB			Varitextured Gabbro	662067	92.00	93.00	1.00	0.081	1	9	7	58	94
					Mix of leucogabbro, gabbro and melagabbro, with decreasing leucogabbro downhole; medium to light grey-green - locally darker over narrow intervals; predominantly medium to coarse grained, locally fine grained; massive to locally weakly foliated at 60° to c.a.; trace chalcopyrite and pyrrhotite throughout, with cpy first noted at 98.10m, and predominatly cpy with some coarse blebs and patches up to several centimetres down to ~107m (up to 3-5% over 20cm), then increasing po, often po>>cpy	662068	93.00	94.00	1.00	0.094	1	9	7	77	126
						662069		95.00	95.00	0.102	3	10	9	94	120
						662070	Standard CDN-ME-9			4.746	111	586	1270	6280	8090
						662071	95.00	96.00	1.00	0.106	2	12	11	66	156
						662072	96.00	97.00	1.00	0.056	1	5	6	58	73
						662073	97.00	98.00	1.00	0.102	2	10	12	71	169
						662074	98.00	99.00	1.00	2.031	156	191	801	2850	654
			100.85	102.93	Mafic / diabase dyke; medium grey-green; fine grained; massive	662075	99.00	100.00	1.00	1.069	58	118	464	1020	718
						662076	100.00	101.00	1.00	0.223	2	54	76	111	110
						662077	101.00	102.00	1.00	0.171	1	20	21	347	57
						662078	102.00	103.00	1.00	0.204	9	29	38	322	69
						662079	103.00	104.00	1.00	1.572	224	247	517	1430	508
						662080	Blank			#VALUE!	< 2	< 5	< 5	3	< 1
						662081	104.00	105.00	1.00	1.200	76	173	533	975	621

Drillhole: EB-21-65

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
94.57	132.05	VT GB			Varitextured Gabbro (continued)	662082	105.00	106.00	1.00	2.278	154	400	1110	1480	572
						662083	106.00	107.00	1.00	2.605	477	261	964	2280	619
						662084	107.00	108.00	1.00	0.717	34	85	294	870	363
						662085	108.00	109.00	1.00	0.159	21	3	8	401	90
						662086	109.00	110.00	1.00	0.961	74	68	269	1780	468
						662087	110.00	111.00	1.00	0.481	45	20	72	1060	299
						662088	111.00	112.00	1.00	0.378	35	26	103	539	170
						662089	112.00	113.00	1.00	0.217	12	20	69	255	143
						662090	Duplicate of 662089			0.259	11	26	101	262	153
						662091	113.00	114.00	1.00	0.183	16	14	44	276	107
						662092	114.00	115.00	1.00	0.359	15	23	83	735	207
						662093	115.00	116.00	1.00	2.974	1970	16	75	143	91
						662094	116.00	117.00	1.00	0.145	4	12	47	173	133
						662095	117.00	118.00	1.00	0.303	11	23	83	552	196
						662096	118.00	119.00	1.00	0.315	19	38	125	255	171
						662097	119.00	120.00	1.00	0.100	1	8	7	78	147
						662098	120.00	121.00	1.00	0.071	1	3	3	53	118
						662099	121.00	122.00	1.00	0.419	14	51	146	500	270
						662100	Standard CDN-ME-9			5.000	181	665	1280	6440	8160
						662101	122.00	123.00	1.00	1.085	86	197	320	1290	392
						662102	123.00	124.00	1.00	0.563	78	80	77	785	364
						662103	124.00	125.00	1.00	0.827	161	72	50	1460	525
						662104	125.00	126.00	1.00	0.590	105	53	31	1070	399
						662105	126.00	127.00	1.00	0.578	114	55	32	1020	337
						662106	127.00	128.00	1.00	0.187	18	17	15	249	171
						662107	128.00	129.00	1.00	0.614	135	50	27	1000	383
						662108	129.00	130.00	1.00	0.467	114	39	49	518	248
					chalcopyrite last noted at 131.95m	662109	130.00	131.00	1.00	0.537	133	58	64	475	280
						662110	Blank			#VALUE!	< 2	< 5	< 5	3	2
					Lower contactsharp and regular at 50° to c.a.	662111	131.00	132.00	1.00	0.688	231	39	30	800	307
						662112	132.00	133.00	1.00	0.150	23	12	13	162	118
132.05	178.90	MV/MD			Mafic Volcanic / Dyke	662113	133.00	134.00	1.00	0.102	7	9	8	115	95
					Medium grey-green; fine grained; massive; trace fine grained, stringer and patchy pyrite and lesser chalcopyrite	662114	134.00	135.00	1.00	0.148	22	6	11	211	119
						662115	135.00	136.00	1.00	0.055	3	3	3	49	82

Drillhole: EB-21-65

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
132.05	178.90	MV/MD			Mafic Volcanic / Dyke (continued)	662116	152.00	153.00	1.00	0.101	6	3	3	171	110
						662117	153.00	154.00	1.00	0.089	15	3	3	168	83
			152.40	175.60	Mixed Zone - mafic volcanic / dyke as above with ~30-35% syenite; trace pyrite throughout, with occasional blebs of chalcopyrite - trace overall; local strong epidote alteration of the syenite	662118	154.00	155.00	1.00	0.545	44	36	33	1620	151
						662119	155.00	156.00	1.00	0.186	13	19	20	315	167
						662120	Duplicate of 662119			0.267	34	15	16	255	234
						662121	156.00	157.00	1.00	#VALUE!	< 2	< 5	3	197	51
						662122	157.00	158.00	1.00	0.122	15	3	3	297	79
						662123	158.00	159.00	1.00	0.103	1	7	6	8	232
						662124	159.00	160.00	1.00	0.110	1	16	22	68	103
						662125	160.00	161.00	1.00	0.090	1	7	8	118	121
						662126	161.00	162.00	1.00	0.127	3	11	17	196	87
						662127	162.00	163.00	1.00	0.143	6	12	16	282	76
						662128	163.00	164.00	1.00	1.242	189	32	25	3170	330
			164.06	164.40	Pyrite mineralized zone with 15 to 20% pyrite and 1% chalcopyrite	662129	164.00	165.00	1.00	0.130	4	13	15	178	115
						662130	Standard CDN-ME-9			4.959	171	658	1310	6230	8160
						662131	165.00	166.00	1.00	0.292	16	11	14	895	132
						662132	166.00	167.00	1.00	0.099	3	10	14	68	131
						662133	167.00	168.00	1.00	0.098	3	6	8	163	111
						662134	168.00	169.00	1.00	0.455	49	3	19	1460	175
			169.00	170.10	Magnetite - chalcopyrite - pyrite: ~20-25% massive to semi-massive magnetite and 2-3%wispy, blebby chalcopyrite	662135	169.00	170.00	1.00	2.763	225	102	211	9010	685
						662136	170.00	171.00	1.00	0.382	27	24	35	1130	154
						662137	171.00	172.00	1.00	0.256	44	7	8	758	30
						662138	172.00	173.00	1.00	0.090	6	11	14	198	27
						662139	173.00	174.00	1.00	0.052	5	3	3	151	16
						662140	Blank			#VALUE!	1	3	3	4	< 1
					Lower contact sharp and irregular										
178.90	206.15	SYEN			Syenite										
					Pink; fine to medium grained; massive; still getting mixing with the mafic volcanic/dyke but its predominantly syenite (80-90%); trace fine grained disseminated and stringer pyrite, and occasional coarse grains; local moderate to strong epidote alteration; lower conatact sharp and irregular										
			179.70	182.10	Strong epidote alteration - interval is olive green										

Drillhole: EB-21-65

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
206.15	248.00	MV/MD			Mafic Volcanic / Dyke										
					As from 132.05 to 178.90m; porphyritic down to 216m with ~5% irregular plagioclase phenocrysts up to 4-5mm; trace disseminated and stringer pyrite and pyrrhotite										
			216.00	225.00	Mixed syenitic material, mafic volcanic/dyke and local quartz flooding										
248.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	341594
Target:	GARDEN ZONE, DOWN PLUGE
Hole Number:	**EB-21-66**
Length:	317m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403396
UTM Northing:	5141453
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	392m
Planned Collar Orientation:	Az: 180; dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-08
Date Completed:	2021-06-11
Drilling Company:	Vital Drilling
Date Logged:	June 9 to 12
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	-58.9	191.4	55706	corrected az. = 182.2
101m	-58.5	194.1	55295	corrected az. = 184.9
200m	-58.2	203.0*	55224	corrected az. = 193.8*
302m	-57.9	199.5	56347	corrected az. = 190.3

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments: *Although the magnetic field reading is normal, there is coarse magnetite just below this reading so it should be considered suspect
Also magnetite around 302m

Drillhole: EB-21-66

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.40	CAS			Casing / Overburden										
1.40	55.40	LG			Leucogabbro										
					Medium to light grey; coarse to medium grained; massive; no sulphides; lower contact sharp and irregular - obscured by broken core										
55.40	75.44	MD/DD			Mafic/Diabase Dyke										
					Medium grey-green; fine grained; massive; trace fine grained stringer pyrite; lower contact sharp and regular at 50° to c.a.										
75.44	123.27	LG			Leucogabbro - as from 1.40 to 55.40m										
			102.88		Several intervals of fragmental (lamprophyre?) dyke alternating with leucogabbro; interval begins with 13cm of clay/mud (drill cuttings?); several narrow (~1 cm) gouge seams	662141	119.00	120.00		0.072	1	3	7	65	98
						662142		121.00		0.086	1	3	6	60	143
					Lower contact somewhat gradational/subjective	662143		122.00		0.079	1	8	6	44	105
						662144		123.00		0.086	1	7	7	72	112
123.27	180.87	VT GB			Varitextured Gabbro	662145		124.00		0.105	1	5	7	91	184
					Mix of gabbro, leucogabbro and melagabbro; light to dark green-grey; fine to coarse grained; massive; trace chalcopyrite overall (+/- pyrrhotite +/- pyrite), mainly as disseminated and patchy disseminated, with coarser blebs downhole - cpy first noted at 126.37m	662146		125.00		0.087	1	3	8	77	150
						662147		126.00		0.071	1	3	14	22	98
			126.37	140.00	Trace fine grained disseminated chalcopyrite, with patches and occasional bleb	662148		127.00		0.146	1	3	24	48	312
						662149		128.00		0.134	1	6	33	12	242
						662150	Standard CDN-ME-9			4.828	134	602	1250	6470	8150
						662151	128.00	129.00		0.133	1	6	27	41	229
						662152		130.00		0.103	4	3	11	122	139
						662153		131.00		0.966	73	74	290	1420	871
						662154		132.00		0.166	1	13	53	52	238
						662155		133.00		1.758	127	304	810	1250	453
						662156		134.00		0.327	13	48	111	247	261
						662157		135.00		0.131	4	3	21	123	242
						662158		136.00		1.203	70	216	438	1310	481
						662159		137.00		1.555	61	363	645	1170	465
						662160	Blank			#VALUE!	< 2	< 5	< 5	4	2

Drillhole: EB-21-66

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
123.27	180.87	VT GB			Varitextured Gabbro (continued)	662161	137.00	138.00		0.936	64	120	292	1420	305
						662162		139.00		0.577	42	63	164	950	157
						662163		140.00		0.241	20	11	18	531	118
			140.00	157.00	This interval appears to be almost entirely pyrite - rare chalcopyrite observed; trace to 0.5% fine to locally coarse grained py, occasional blebs, stringers; appears to be predominantly gabbro/melagabbro - no leucogabbro	662164		141.00		0.264	12	43	54	292	133
						662165		142.00		0.128	6	3	3	250	102
						662166		143.00		0.100	4	3	3	169	97
						662167		144.00		0.071	2	3	3	43	58
						662168		145.00		0.116	6	3	3	215	48
						662169		146.00		0.087	3	3	3	71	46
						662170	Duplicate of 662169			0.089	3	3	3	75	45
						662171	146.00	147.00		0.106	4	3	3	156	44
						662172		148.00		0.122	4	3	3	174	44
						662173		149.00		0.131	4	3	3	194	43
						662174		150.00		0.088	1	3	3	117	81
						662175		151.00		0.173	7	8	24	268	93
						662176		152.00		0.120	5	3	11	139	74
						662177		153.00		0.115	3	3	3	212	81
						662178		154.00		0.708	35	89	215	1100	285
						662179		155.00		0.536	32	52	87	1060	365
						662180	Blank			#VALUE!	< 2	< 5	< 5	2	2
						662181	155.00	156.00		0.779	46	50	157	1630	433
						662182		157.00		0.630	31	27	71	1320	350
			157.00	180.55	Exhibits chalcopyrite mineralization again; also more leucogabbro intervals/inclusions; trace cpy overall, disseminated and occasional blebs up to several centimetres	662183		158.00		0.755	28	68	179	1500	457
						662184		159.00		0.669	69	41	115	1330	471
			159.90	161.00	Fragmental dyke (lamprophyre?); upper contact obscured by broken core, lower contact sharp and regular at 60° to c.a.	662185		160.00		0.361	30	25	62	642	333
						662186		161.00		0.116	1	6	3	64	343
						662187		162.00		0.100	1	3	13	87	193
						662188		163.00		0.069	1	3	3	27	171
						662189		164.00		0.139	6	37	16	23	177
						662190		165.00		0.252	2	64	114	19	165
						662191		166.00		0.072	1	3	10	41	140
						662192		167.00		0.803	33	179	378	399	245
						662193		168.00		0.765	19	197	351	362	226

Drillhole: EB-21-66

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
123.27	180.87	VT GB			Varitextured Gabbro (continued)	662194		169.00		0.635	20	159	223	523	252
						662195	Duplicate of 662194			0.827	29	266	323	293	234
						662196	169.00	170.00		0.430	27	51	118	589	336
						662197		171.00		0.561	14	133	281	183	143
						662198		172.00		0.793	38	164	332	622	223
						662199		173.00		0.494	29	83	239	207	219
						662200	Standard CDN-ME-9			4.792	142	573	1210	6530	8250
						662201	173.00	174.00		0.782	104	75	139	1490	304
						662202		175.00		0.791	63	112	275	931	372
						662203		176.00		0.151	3	17	32	117	270
						662204		177.00		1.005	30	242	428	679	354
			177.42	177.60	~10cm patch of chalcopyrite and pyrrhotite - doesn't go right through the core; possibly up to 10% cpy and 10% po; irregular, net-textured to massive	662205		178.00		6.381	87	695	3020	9240	2040
						662206		179.00		0.961	56	134	227	1660	565
					Last chalcopyrite noted at 180.55m	662207		180.00		0.544	44	33	92	1030	491
					Lower contact somewhat gradational - spot picked is sharp and regular at 45° to c.a.	662208		181.00		0.686	53	49	150	1210	600
180.87	204.04	MV/MD			Mafic Volcanic / Dyke	662209		182.00		0.125	7	3	3	224	74
					Medium green-grey; fine grained; massive to locally variably weakly foliated 30-60° to c.a.; locally weakly brecciated; trace fine to medium grained pyrite; lower contact sharp and regular at 35° to c.a.	662210	Blank			#VALUE!	1	3	3	4	4
						662211	182.00	183.00		0.092	4	3	3	130	51
						662212		184.00		0.133	12	3	3	278	54
204.04	209.44	VT GB			Varitextured Gabbro(?)	662213	203.00	204.00		0.098	4	3	3	138	55
					Similar to 123.27 to 180.87m, with very little leucogabbro, and several irregular patches of magnetite up to 10cm with 3-5% pyrite >> chalcopyrite in the magnetite; also some coarse grained magnetite grains; medium to dark green-grey; fine to coarse grained; massive; trace chalcopyrite and pyrite overall; lower contact sharp and somewhat regular at 45° to c.a.	662214		205.00		0.149	7	37	9	146	81
						662215		206.00		0.086	1	16	13	45	46
						662216		207.00		0.108	4	18	13	85	56
						662217		208.00		0.135	7	16	6	164	78
						662218		209.00		0.471	18	9	8	590	1070
						662219	Duplicate of 662218			0.518	30	7	9	699	1080
						662220	209.00	210.00		0.082	1	3	3	39	112
						662221		211.00		0.078	5	12	12	66	66
						662222		212.00		0.100	7	7	3	112	97

Drillhole: EB-21-66

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
209.44	224.20	MV/SYEN			Mixed Zone of Mafic Volcanic/Dyke and Syenite(?)										
					Mix of medium green, fine grained, massive mafic volcanic/dyke and pink-purple syenite(?); common local moderate to strong epidote alteration - olive green; local patches, bands and disseminated coarse grained magnetite; trace fine to medium grained pyrite; lower contact sharp and regular at 60° to c.a.										
224.20	233.46	MV/MD			Mafic Volcanic / Dyke										
					As from 180.87 to 204.04m	662223	226.00	227.00	1.00	0.061	4	3	3	79	72
			227.13	227.30	Small inclusions (up 10cm) of massive magnetite with 3-5% chalcopyrite blebs/wisps	662224	227.00	228.00	1.00	0.999	53	54	264	2300	377
						662225	228.00	229.00	1.00	0.053	3	3	3	43	83
233.46	259.65	MV/SYEN			Mixed Zone of Mafic Volcanic/Dyke and Syenite(?) - as from 209.44 to 224.20m, with substantially less epidote alteration; lower contact sharp and regular at 45° to c.a.										
259.65	270.40	DB			Diabase Dyke; medium to dark grey; fine grained; massive, with typical salt and pepper texture; trace fine to medium grained disseminated pyrite; lower contact sharp and regular at 40° to c.a.										
270.40	317.00	MV/SYEN			Mixed Zone of Mafic Volcanic/Dyke and Syenite(?) - as from 233.46 to 259.65m										
317.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE; DOWN PLUNGE
Hole Number:	**EB-21-67**
Length:	275m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403507
UTM Northing:	5141460
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	388m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-12
Date Completed:	2021-06-15
Drilling Company:	Vital Drilling
Date Logged:	June 14 to 16
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
20m	-59.6	185.7	55208	corrected az. = 176.5
101m	-59.4	188.0	55665	corrected az. = 178.8
200m	-58.9	190.2	55224	corrected az. = 181.0
275m	-58.5	187.9	56516	corrected az. = 178.7

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-67

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.50	CAS			Casing / Overburden										
1.50	142.03	LG			Leucogabbro										
					Medium to light grey-green; medium to coarse grained; massive; no sulphides;										
			73.00	74.52	Mafic/fragmental dyke (lamprophyre?); contacts sharp and regular at 45° to c.a.										
						662265	139.00	140.00	1.00	0.14	11	19	14	166	60
					Lower contact sharp and irregular	662266	140.00	141.00	1.00	0.08	1	9	9	45	96
						662267	141.00	142.00	1.00	0.07	1	3	9	16	145
142.03	225.73	VT GB			Varitextured Gabbro	662268	142.00	143.00	1.00	0.08	1	7	13	15	170
					Down to ~174m unit is generally not as variable previous typical VT GB, then below 174 becomes more typical mix of gabbro, melagabbro and leucogabbro; fine to coarse grained; massive to weakly foliated at 40-60° to c.a.; trace chalcopyrite and pyrrhotite overall, with local variations as described below; sulphides appear sparse/rare in the interval down to 174m	662269	143.00	144.00	1.00	0.04	1	3	3	114	12
						662270	Standard CDN-ME-9			4.63	118	560	1150	6510	7920
						662271	144.00	145.00	1.00	0.19	3	30	79	101	136
						662272	145.00	146.00	1.00	1.42	83	179	689	1270	413
						662273	146.00	147.00	1.00	0.37	12	59	106	308	243
						662274	147.00	148.00	1.00	0.35	47	3	11	780	168
						662275	148.00	149.00	1.00	0.10	1	11	8	12	199
						662276	149.00	150.00	1.00	0.14	1	7	56	7	196
						662277	150.00	151.00	1.00	0.37	5	73	181	32	217
						662278	151.00	152.00	1.00	0.58	13	254	139	62	285
						662279	152.00	153.00	1.00	0.89	92	30	20	2550	622
						662280	Blank			#VALUE!	< 2	< 5	< 5	10	4
						662281	153.00	154.00	1.00	0.76	67	128	42	1580	417
						662282	154.00	155.00	1.00	0.73	41	324	105	375	249
						662283	155.00	156.00	1.00	0.09	1	9	9	30	126
						662284	156.00	157.00	1.00	0.13	1	41	9	26	153
						662285	157.00	158.00	1.00	0.38	1	72	225	31	124
						662286	158.00	159.00	1.00	0.06	1	3	3	32	111
						662287	159.00	160.00	1.00	0.08	1	6	3	18	148
						662288	160.00	161.00	1.00	0.40	23	32	79	840	192
						662289	Duplicate of 662288			0.43	33	25	28	1150	213
						662290	161.00	162.00	1.00	0.10	1	3	13	14	162
						662291	162.00	163.00	1.00	0.09	1	3	11	19	151

Drillhole: EB-21-67

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
142.03	225.73	VT GB			Varitextured Gabbro (continued)	662292	163.00	164.00	1.00	0.10	3	3	3	119	81
						662293	164.00	165.00	1.00	0.18	22	3	7	359	81
						662294	165.00	166.00	1.00	0.15	7	3	3	228	105
			166.50	171.20	Several narrow mafic/fragmental dykes	662295	166.00	167.00	1.00	0.10	3	3	3	84	88
						662296	167.00	168.00	1.00	0.11	6	3	3	135	87
						662297	168.00	169.00	1.00	0.18	17	6	5	401	97
						662298	169.00	170.00	1.00	0.12	9	3	3	196	46
						662299	170.00	171.00	1.00	0.12	7	3	3	165	170
						662300	Standard CDN-ME-9			4.98	126	620	1220	6760	8860
						662301	171.00	172.00	1.00	#VALUE!	23	< 5	< 5	374	83
						662302	172.00	173.00	1.00	0.10	9	7	8	32	92
						662303	173.00	174.00	1.00	0.13	17	15	13	24	112
						662304	174.00	175.00	1.00	0.27	57	58	28	106	116
			175.36	176.90	Fault Zone; weakly to moderately broken core; local breccia, pitted/vuggy core and one gouge seam ~2cm	662305	175.00	176.00	1.00	0.19	4	39	41	79	248
						662306	176.00	177.00	1.00	0.61	34	55	214	869	365
						662307	177.00	178.00	1.00	0.11	1	16	14	113	126
						662308	178.00	179.00	1.00	0.05	1	3	10	27	79
						662309	179.00	180.00	1.00	0.06	1	6	12	34	83
						662310	Blank			#VALUE!	< 2	< 5	< 5	< 1	1
						662311	180.00	181.00	1.00	0.07	1	6	11	63	97
						662312	181.00	182.00	1.00	0.71	20	44	400	582	347
						662313	182.00	183.00	1.00	0.58	28	28	184	921	414
						662314	183.00	184.00	1.00	0.79	8	254	325	29	474
						662315	184.00	185.00	1.00	0.22	1	25	21	71	632
						662316	185.00	186.00	1.00	0.52	134	39	57	406	475
						662317	186.00	187.00	1.00	0.23	3	32	61	72	356
			188.00	209.00	Appears to be increased chalcopyrite and pyrrhotite mineralization, locally up to 0.5 to 1% over 1 to 2m; often very fine grained disseminated with occasional stringers and blebs	662318	187.00	188.00	1.00	0.66	17	123	340	93	443
						662319	188.00	189.00	1.00	1.77	75	328	739	1430	869
						662320	189.00	190.00	1.00	1.01	58	76	408	1100	665
						662321	Duplicate of 662320			1.29	57	115	567	1360	753
			190.02	190.12	Appears to be a narrow, dark grey dyke with 10-15% net-textured chalcopyrite	662322	190.00	191.00	1.00	1.50	27	10	111	5510	410
						662323	191.00	192.00	1.00	0.56	61	16	85	1240	336
						662324	192.00	193.00	1.00	0.91	51	89	369	936	569
						662325	193.00	194.00	1.00	2.56	570	187	728	2650	915
						662326	194.00	195.00	1.00	1.17	180	84	391	1350	520

Drillhole: EB-21-67

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
142.03	225.73	VT GB			Varitextured Gabbro (continued)	662327	195.00	196.00	1.00	0.79	108	57	185	1210	499
						662328	196.00	197.00	1.00	2.19	130	422	1010	1360	792
						662329	197.00	198.00	1.00	2.18	150	385	1080	1240	722
						662330	Standard CDN-ME-9			#VALUE!	< 2	< 5	< 5	9	4
						662331	198.00	199.00	1.00	1.02	72	113	419	1130	516
						662332	199.00	200.00	1.00	2.10	149	326	1030	1340	785
						662333	200.00	201.00	1.00	2.31	175	236	878	2950	1310
						662334	201.00	202.00	1.00	2.19	270	215	845	2410	846
						662335	202.00	203.00	1.00	1.11	62	141	485	1060	581
						662336	203.00	204.00	1.00	1.04	49	100	352	1710	521
						662337	204.00	205.00	1.00	0.70	11	156	376	174	240
						662338	205.00	206.00	1.00	2.23	27	60	230	7840	657
						662339	206.00	207.00	1.00	1.16	77	135	458	1270	614
						662340	Blank			#VALUE!	< 2	< 5	< 5	9	3
						662341	207.00	208.00	1.00	1.30	33	255	639	815	480
						662342	208.00	209.00	1.00	0.42	18	59	130	375	371
						662343	209.00	210.00	1.00	0.48	40	77	78	496	579
						662344	210.00	211.00	1.00	0.51	41	51	122	657	546
						662345	211.00	212.00	1.00	0.86	71	118	208	1220	651
						662346	212.00	213.00	1.00	0.73	54	56	164	1270	663
						662347	213.00	214.00	1.00	0.36	7	62	175	124	262
						662348	214.00	215.00	1.00	0.59	27	119	247	460	173
						662349	215.00	216.00	1.00	0.57	31	110	203	527	188
						662350	Duplicate of 662349			0.69	17	173	292	414	191
						662351	216.00	217.00	1.00	0.99	88	77	219	1790	781
						662352	217.00	218.00	1.00	0.16	4	23	40	125	116
						662353	218.00	219.00	1.00	0.87	26	104	323	1240	434
						662354	219.00	220.00	1.00	1.28	54	157	476	1830	589
						662355	220.00	221.00	1.00	0.74	34	95	288	860	373
						662356	221.00	222.00	1.00	2.48	51	672	1320	746	335
					Lower contact gradational; chalcopyrite mineralization decreasing but extends into the mafic dyke/volcanic below	662357	222.00	223.00	1.00	1.62	133	137	488	2660	966
						662358	223.00	224.00	1.00	0.21	5	30	67	73	252
						662359	224.00	225.00	1.00	5.50	87	1130	3620	1050	524
						662360	Standard CDN-ME-9			4.89	125	602	1260	6680	8370
						662361	225.00	226.00	1.00	1.50	53	360	568	1100	792
						662362	226.00	227.00	1.00	0.83	55	69	167	1500	822
						662363	227.00	228.00	1.00	0.55	27	29	92	1020	468

Drillhole: EB-21-67

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
225.73	275.00	MD/MV			Mafic Dyke / Volcanic	662364	228.00	229.00	1.00	0.51	31	33	87	941	363
					Medium green-grey; fine grained - locally porphyritic with ~5% irregular plagioclase phenocrysts up to 2-4mm; massive; trace fine to medium grained disseminated pyrite and rare chalcopyrite - cpy last observed at 232.35m in what appears to be a partially assimilated inclusion of leucogabbro/VT GB from 232.05 to 233.14	662365	229.00	230.00	1.00	0.26	10	11	36	336	295
						662366	230.00	231.00	1.00	0.11	3	3	6	97	196
						662367	231.00	232.00	1.00	0.37	7	95	121	160	186
						662368	232.00	233.00	1.00	0.52	28	11	17	1680	281
						662369	233.00	234.00	1.00	0.57	36	71	155	827	356
						662370		Blank		#VALUE!	1	3	< 5	8	2
						662371	234.00	235.00	1.00	0.14	8	3	9	299	59
						662372	235.00	236.00	1.00	0.05	1	3	3	15	74
275.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN & EOH ZONE
Hole Number:	**EB-21-68**
Length:	383m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403679
UTM Northing:	5141360
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	381m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-15
Date Completed:	2021-06-18
Drilling Company:	Vital Drilling
Date Logged:	June 16 to 18
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	-60.1	191.5	55421	corrected az. = 182.3
102m	-59.7	191.4	55041	corrected az. = 182.2
200m	-58.5	194.3	55253	corrected az. = 185.1
350m	-57.6	198.2	55037	corrected az. = 189.0

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.20	CAS			Casing / Overburden										
1.20	65.97	LG			Leucogabbro										
					Medium to light grey-green; coarse to medium grained; massive; local moderate epidote alteration										
			63.50	65.97	Mafic/Fragmental Dyke (Lamprophyre?); core above from 62.00 to 63.80 is moderately broken/blocky/fractured with moderate epidote and hematite alteration; upper contact of dyke is obscured by broken core, lower contact is sharp/regular at 50° to c.a.										
					I'm calling the lower contact of the above dyke to start of the Varitextured Gabbro, although the leucogabbro appears to grade into the VT GB										
						662373	65.00	66.00	1.00	0.107	1	3	3	47	380
65.97	177.74	VT GB			Varitextured Gabbro	662374	66.00	67.00	1.00	0.104	1	20	18	46	75
					Mix of gabbro, melagabbro and leucogabbro, with predominantly leucogabbro in upper part of unit, decreasing downhole; fine to coarse grained; medium to locally lighter and darker green-grey; massive; trace chalcopyrite and pyrrhotite overall, fine grained disseminated and occasional blebs and stringers; cpy first noted at 67.85m	662375	67.00	68.00	1.00	0.153	18	20	17	165	76
						662376	68.00	69.00	1.00	0.164	6	24	21	272	62
						662377	69.00	70.00	1.00	0.173	6	13	17	373	67
						662378	70.00	71.00	1.00	0.102	1	16	18	84	69
						662379	71.00	72.00	1.00	0.092	12	8	13	74	48
						662380	Standard CDN-ME-9			5.119	235	636	1290	6580	8430
						662381	72.00	73.00	1.00	0.041	8	3	3	40	18
						662382	73.00	74.00	1.00	0.038	1	7	3	35	19
						662383	74.00	75.00	1.00	0.025	1	3	3	36	7
						662384	75.00	76.00	1.00	0.026	4	3	3	24	8
						662385	76.00	77.00	1.00	0.031	1	3	3	58	10
						662386	77.00	78.00	1.00	0.211	6	39	39	299	60
						662387	78.00	79.00	1.00	0.096	1	21	7	117	45
						662388	79.00	80.00	1.00	0.066	1	13	11	39	40
						662389	80.00	81.00	1.00	0.065	1	11	13	32	49
						662390	Blank			#VALUE!	1	< 5	< 5	2	2
						662391	81.00	82.00	1.00	0.075	5	16	12	52	37
						662392	82.00	83.00	1.00	0.118	1	16	14	119	84

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
65.97	177.74	VT GB			Varitextured Gabbro (continued)	662393	83.00	84.00	1.00	0.087	1	14	13	58	61
						662394	84.00	85.00	1.00	0.082	1	14	13	51	63
						662395	85.00	86.00	1.00	0.103	1	17	26	27	94
						662396	86.00	87.00	1.00	0.052	1	6	11	17	68
						662397	87.00	88.00	1.00	0.088	1	6	18	24	148
						662398	88.00	89.00	1.00	0.400	9	29	118	729	233
						662399	89.00	90.00	1.00	0.494	7	83	226	205	347
						662400	90.00	91.00	1.00	0.842	27	111	466	467	346
						662401	91.00	92.00	1.00	0.176	1	39	31	58	235
						662402	92.00	93.00	1.00	0.416	8	146	53	139	516
						662403	93.00	94.00	1.00	1.089	19	272	425	464	718
						662404	94.00	95.00	1.00	0.825	18	212	348	211	448
						662405	95.00	96.00	1.00	2.719	116	435	1140	3070	770
						662406	Duplicate of 662405			2.394	107	388	1020	2470	757
						662407	96.00	97.00	1.00	1.456	76	94	482	2580	702
						662408	97.00	98.00	1.00	0.717	40	57	204	1220	373
						662409	98.00	99.00	1.00	0.442	21	42	133	709	208
						662410	Standard CDN-ME-9			4.946	145	615	1230	6590	8690
						662411	99.00	100.00	1.00	0.302	13	15	75	586	183
						662412	100.00	101.00	1.00	0.624	28	50	204	1010	270
						662413	101.00	102.00	1.00	0.256	8	28	58	413	174
						662414	102.00	103.00	1.00	0.670	35	57	220	1130	271
						662415	103.00	104.00	1.00	0.343	19	49	74	591	119
						662416	104.00	105.00	1.00	0.375	10	90	138	227	140
						662417	105.00	106.00	1.00	0.150	3	22	42	115	126
						662418	106.00	107.00	1.00	0.750	32	165	266	765	205
						662419	107.00	108.00	1.00	0.671	36	132	141	1050	318
						662420	Blank			#VALUE!	< 2	6	< 5	5	2
						662421	108.00	109.00	1.00	0.903	72	96	46	2370	476
						662422	109.00	110.00	1.00	0.412	34	16	3	1080	443
						662423	110.00	111.00	1.00	0.308	18	45	32	618	111
						662424	111.00	112.00	1.00	0.649	45	23	32	1860	387
						662425	112.00	113.00	1.00	0.611	18	112	206	584	319
						662426	113.00	114.00	1.00	0.462	21	35	73	1010	306
						662427	114.00	115.00	1.00	0.678	27	82	227	986	300
						662428	115.00	116.00	1.00	0.334	17	51	80	486	165
						662429	116.00	117.00	1.00	0.672	48	82	208	975	253
						662430	Duplicate of 662429			0.349	27	40	78	535	174

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
65.97	177.74	VT GB			Varitextured Gabbro (continued)	662431	117.00	118.00	1.00	0.555	33	61	141	1020	269
						662432	118.00	119.00	1.00	0.803	39	93	317	1000	401
						662433	119.00	120.00	1.00	0.489	25	53	180	659	234
						662434	120.00	121.00	1.00	0.643	32	55	166	1300	311
						662435	121.00	122.00	1.00	0.701	33	76	211	1170	329
						662436	122.00	123.00	1.00	0.544	32	39	75	1230	375
						662437	123.00	124.00	1.00	0.370	19	10	13	1070	246
						662438	124.00	125.00	1.00	0.607	33	81	119	1130	336
						662439	125.00	126.00	1.00	1.403	74	217	492	1950	402
						662440	Standard CDN-ME-9			4.955	133	614	1310	6760	8090
						662441	126.00	127.00	1.00	0.257	5	77	51	175	153
						662442	127.00	128.00	1.00	0.385	21	64	44	722	166
						662443	128.00	129.00	1.00	0.202	10	9	3	515	125
						662444	129.00	130.00	1.00	0.435	37	46	12	1030	259
					Chalcopyrite and pyrrhotite mineralization decreases below ~131m	662445	130.00	131.00	1.00	0.612	48	48	16	1730	247
						662446	131.00	132.00	1.00	0.281	12	64	18	464	155
			133.10	138.80	Fault/deformation zone; local breccia/rubble/gouge; moderately to locally strongly broken core	662447	132.00	133.00	1.00	0.228	12	22	20	396	224
						662448	133.00	134.00	1.00	0.267	3	65	83	168	150
						662449	134.00	135.00	1.00	0.179	1	50	38	102	120
						662450	Blank			#VALUE!	1	< 5	< 5	2	5
						662451	135.00	136.00	1.00	0.208	1	32	35	95	384
						662452	136.00	137.00	1.00	0.167	1	31	18	39	337
						662453	137.00	138.00	1.00	0.201	1	62	36	86	215
						662454	138.00	139.00	1.00	0.159	1	14	57	72	211
						662455	139.00	140.00	1.00	0.129	1	12	23	31	237
						662456	140.00	141.00	1.00	0.141	1	16	7	48	309
						662457	141.00	142.00	1.00	0.081	1	8	3	47	158
						662458	142.00	143.00	1.00	0.081	2	16	7	75	81
						662459	143.00	144.00	1.00	0.067	1	10	7	66	79
						662460	Duplicate of 662459			0.066	1	11	7	54	79
						662461	144.00	145.00	1.00	0.074	1	7	7	98	85
						662462	145.00	146.00	1.00	0.064	1	7	6	64	82
						662463	146.00	147.00	1.00	0.065	1	7	7	67	79
						662464	147.00	148.00	1.00	0.064	1	7	6	53	90
						662465	148.00	149.00	1.00	0.140	1	20	29	113	147
						662466	149.00	150.00	1.00	0.268	3	51	116	126	146
						662467	150.00	151.00	1.00	0.123	1	10	67	58	68

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
65.97	177.74	VT GB			Varitextured Gabbro (continued)	662468	151.00	152.00	1.00	0.087	1	11	26	44	86
						662469	152.00	153.00	1.00	0.083	1	9	22	30	113
						662470	Standard CDN-ME-9			4.780	195	584	1200	6500	7680
						662471	153.00	154.00	1.00	0.379	4	73	213	86	156
						662472	154.00	155.00	1.00	0.465	8	86	242	197	204
						662473	155.00	156.00	1.00	0.084	1	7	13	20	158
						662474	156.00	157.00	1.00	0.263	1	69	108	48	177
						662475	157.00	158.00	1.00	0.216	4	32	99	84	136
						662476	158.00	159.00	1.00	0.620	9	78	348	274	367
						662477	159.00	160.00	1.00	2.059	48	260	1000	2200	769
						662478	160.00	161.00	1.00	0.811	22	91	357	889	435
						662479	161.00	162.00	1.00	0.326	6	41	99	278	433
						662480	Blank			#VALUE!	< 2	< 5	< 5	3	4
						662481	162.00	163.00	1.00	1.162	44	172	362	1530	845
						662482	163.00	164.00	1.00	1.400	106	143	469	1940	747
						662483	164.00	165.00	1.00	0.743	28	78	301	783	605
						662484	165.00	166.00	1.00	0.403	11	68	111	315	417
						662485	166.00	167.00	1.00	0.784	31	122	230	942	545
						662486	167.00	168.00	1.00	0.649	4	188	235	88	368
						662487	168.00	169.00	1.00	0.696	21	129	283	451	428
						662488	169.00	170.00	1.00	1.889	131	134	593	3230	1130
						662489	170.00	171.00	1.00	0.762	25	128	297	629	463
						662490	171.00	172.00	1.00	1.325	70	314	472	906	550
						662491	172.00	173.00	1.00	0.446	19	64	122	595	311
						662492	173.00	174.00	1.00	0.560	22	63	128	951	534
						662493	Duplicate of 662492			0.694	46	76	149	1250	510
					Lower contact somewhat subjective due to some mixing of the VT GB and the mafic volcanic/dyke below	662494	174.00	175.00	1.00	0.727	40	44	156	1450	706
						662495	175.00	176.00	1.00	0.473	26	29	94	878	471
177.74	264.50	MV/MD			Mafic Volcanic / Dyke	662496	176.00	177.00	1.00	0.112	1	9	13	113	125
					Varies from fine grained to coarse grained; medium to light green-grey; massive; trace fine grained pyrite; local weak to moderate epidote alteration	662497	177.00	178.00	1.00	0.230	16	7	8	501	146
						662498	178.00	179.00	1.00	0.185	7	8	13	334	188
						662499	179.00	180.00	1.00	0.463	13	62	186	458	279
						662500	Standard CDN-ME-9			5.014	183	677	1280	6270	8410
					Below ~215m unit becomes more consistently medium to coarse grained and looks more like a gabbroic dyke	662501	180.00	181.00	1.00	0.135	5	3	3	279	110

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
264.50	383.00	G/MG			Melagabbro to Gabbro(?)	662502	262.00	263.00	1.00	0.687	3	318	211	79	158
					Dark to medium grey; medium grained; massive; not VT GB - homogeneous; ~10% fine (~1mm) white flecks (feldspar?); trace chalcopyrite and pyrrhotite overall - locally up to 5% over 1m; sulphides are most often blebs/pods up to 1-2cm and often appear to be replacing phenocrysts, with epidote also often present and remnant feldspar(?); mineralization starts at ~266m, and also occurs as disseminated and stringers	662503	263.00	264.00	1.00	0.555	10	165	159	489	209
						662504	264.00	265.00	1.00	0.346	8	46	93	598	108
					Small (1cm) quartz vein with potassic feldpsar and chalcopyrite stringer at 263.9om	662505	265.00	266.00	1.00	0.176	5	23	36	253	77
						662506	266.00	267.00	1.00	0.542	19	50	137	1150	150
						662507	267.00	268.00	1.00	0.459	8	39	125	919	190
						662508	268.00	269.00	1.00	0.630	28	65	167	1260	155
						662509	269.00	270.00	1.00	0.339	12	34	103	511	145
						662510	Blank			#VALUE!	< 2	< 5	< 5	7	3
						662511	270.00	271.00	1.00	0.491	22	43	116	965	201
						662512	271.00	272.00	1.00	0.407	7	31	118	743	202
						662513	272.00	273.00	1.00	0.571	12	69	198	883	196
						662514	273.00	274.00	1.00	0.566	21	62	151	1050	222
						662515	274.00	275.00	1.00	1.120	20	78	341	2530	324
						662516	Duplicate of 662515			1.204	32	105	363	2580	318
						662517	275.00	276.00	1.00	1.989	129	145	531	4420	418
						662518	276.00	277.00	1.00	2.015	751	91	280	2140	230
						662519	277.00	278.00	1.00	0.197	5	26	32	356	69
						662520	278.00	279.00	1.00	0.380	17	43	93	729	79
						662521	279.00	280.00	1.00	0.750	25	70	202	1630	171
						662522	280.00	281.00	1.00	0.250	3	28	55	463	110
						662523	281.00	282.00	1.00	0.419	6	41	97	860	169
						662524	282.00	283.00	1.00	1.495	43	123	403	3490	371
						662525	283.00	284.00	1.00	0.210	3	25	46	312	126
						662526	284.00	285.00	1.00	0.176	1	22	39	223	117
						662527	285.00	286.00	1.00	0.983	36	84	292	2010	289
						662528	286.00	287.00	1.00	0.746	25	75	225	1410	246
						662529	287.00	288.00	1.00	0.315	5	25	78	574	179
						662530	Standard CDN-ME-9			4.926	144	651	1270	6270	8460
						662531	288.00	289.00	1.00	0.576	13	45	154	1230	228
						662532	289.00	290.00	1.00	1.023	31	85	310	2140	287
						662533	290.00	291.00	1.00	0.471	16	74	123	719	209

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
264.50	383.00	G/MG			Melagabbro to Gabbro(?) - continued	662534	291.00	292.00	1.00	0.796	37	83	250	1350	277
						662535	292.00	293.00	1.00	1.003	31	109	336	1720	363
						662536	293.00	294.00	1.00	1.414	35	110	379	3370	355
						662537	294.00	295.00	1.00	1.249	41	117	399	2470	348
			294.75	295.85	Up to 5% chalcopyrite and pyrrhotite predominantly in blebs/pods up to 1cm, subrounded, and with epidote and feldspar(?); appears to be sulphide replacement of phenocrysts	662538	295.00	296.00	1.00	2.814	79	248	910	6020	587
						662539	296.00	297.00	1.00	0.594	14	72	243	720	229
						662540	Blank			#VALUE!	< 2	< 5	< 5	11	3
						662541	297.00	298.00	1.00	0.565	19	64	195	833	231
						662542	298.00	299.00	1.00	0.616	16	71	194	1030	221
					Sulphides decrease to rare below ~300m, but still get occasional blebs, stringers and fracture-controlled cpy/po to end of hole; stopping sampling at 336m, because we're sampling enough to get a picture of what's happening, and this zone is outside the resouce block	662543	299.00	300.00	1.00	0.260	4	41	77	304	128
					Getting occasional inclusions of felsic rock and feldspar clusters below 300m	662544	300.00	301.00	1.00	0.559	135	46	110	566	173
						662545	301.00	302.00	1.00	0.264	6	35	74	336	138
						662546	302.00	303.00	1.00	0.268	7	38	90	258	141
						662547	303.00	304.00	1.00	0.426	14	54	123	660	171
						662548	304.00	305.00	1.00	0.218	3	35	61	214	143
						662549	305.00	306.00	1.00	0.197	3	36	51	165	140
						662550	Duplicate of 662549			0.221	3	37	69	190	137
						662551	306.00	307.00	1.00	0.506	17	60	149	859	187
						662552	307.00	308.00	1.00	0.570	19	61	176	1000	194
						662553	308.00	309.00	1.00	0.318	7	57	98	344	143
						662554	309.00	310.00	1.00	0.337	7	66	128	250	137
						662555	310.00	311.00	1.00	0.288	5	42	101	306	101
						662556	311.00	312.00	1.00	0.131	1	19	19	140	96
						662557	312.00	313.00	1.00	0.246	10	17	44	512	105
						662558	313.00	314.00	1.00	1.216	64	93	315	2740	306
						662559	314.00	315.00	1.00	0.314	11	32	78	554	150
						662560	Standard CDN-ME-9			#VALUE!	< 2	< 5	< 5	3	2
						662561	315.00	316.00	1.00	0.178	1	19	40	271	111
						662562	316.00	317.00	1.00	0.216	3	31	69	218	115
						662563	317.00	318.00	1.00	0.217	6	35	65	211	112
						662564	318.00	319.00	1.00	0.205	6	24	48	297	107
						662565	319.00	320.00	1.00	0.282	6	29	86	423	117
						662566	320.00	321.00	1.00	0.333	8	41	97	526	131

Drillhole: EB-21-68

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
264.50	383.00	G/MG			Melagabbro to Gabbro(?) - continued	662567	321.00	322.00	1.00	0.113	1	10	22	117	83
						662568	322.00	323.00	1.00	0.134	2	3	3	319	84
						662569	323.00	324.00	1.00	0.319	5	42	111	404	133
						662570	Blank			#VALUE!	< 2	< 5	< 5	1	1
						662571	324.00	325.00	1.00	0.334	11	37	94	530	139
						662572	325.00	326.00	1.00	0.280	5	36	91	378	131
						662573	326.00	327.00	1.00	0.249	6	28	55	440	117
						662574	327.00	328.00	1.00	0.380	27	39	88	653	144
						662575	328.00	329.00	1.00	0.200	1	32	53	182	137
						662576	329.00	330.00	1.00	0.258	6	33	72	325	144
						662577	330.00	331.00	1.00	0.339	6	55	113	408	137
						662578	331.00	332.00	1.00	0.338	22	46	101	394	148
						662579	332.00	333.00	1.00	0.540	44	47	133	998	171
						662580	333.00	334.00	1.00	0.273	7	36	84	335	137
						662581	334.00	335.00	1.00	0.511	18	52	162	855	194
						662582	335.00	336.00	1.00	0.330	9	39	117	385	156
						662583	Duplicate of 662582			0.273	6	34	82	340	156
383.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE; DOWN PLUNGE
Hole Number:	**EB-21-69**
Length:	275m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403603
UTM Northing:	5141462
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	377m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-18
Date Completed:	2021-06-20
Drilling Company:	Vital Drilling
Date Logged:	June 19 to 21
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-61.1	189.3	54977	corrected az. = 180.1
101m	-60.3	193.7	54996	corrected az. = 184.5
200m	-59.7	195.3	55280	corrected az. = 186.1
275m	-59.3	196.5	55674	corrected az. = 187.3

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-69

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.70	CAS			Casing/Overburden										
1.70	144.54	LG			Leucogabbro										
					Medium to light grey-green; coarse to medium grained; massive; rare/trace sulphides; local narrow pinkish and pale greenish-grey due to potassic and epidote alteration and plagioclase clusters										
					Occasional narrow mafic dykes										
			63.90	65.70	Fault Zone; strongly broken/rubbly core; fracturing and hematite/potassic alteration, including adjacent to this interval										
						662584	142.00	143.00	1.00	0.262	14	45	21	527	85
					Lower contact irregular, somewhat subjective/gradational due to mixing of leucogabbro in VT GB	662585	143.00	144.00	1.00	0.185	16	8	15	426	62
						662586	144.00	145.00	1.00	0.832	27	217	386	384	110
144.54	222.44	VT GB			Varitextured Gabbro	662587	145.00	146.00	1.00	0.164	2	26	50	66	136
					Mix of gabbro, leucogabbro and melagabbro; medium green-grey to locally lighter and darker; medium to coarse grained, locally fine grained; massive, locally moderately foliated/sheared at 45 to 60° to c.a.; not as well-mineralized as typical VT GB overall - more pyrite than usual and less chalcopyrite and pyrrhotite, with po content often substantially greater than cpy, and rare blebs and stringers of cpy	662588	146.00	147.00	1.00	0.332	47	11	9	905	73
					First chalcopyrite is a thin stringer in the leucogabbro just above the contact, at 144.00m	662589	147.00	148.00	1.00	0.208	13	11	6	544	118
						662590	Standard CDN-ME-9			4.806	116	631	1260	6230	8230
						662591	148.00	149.00	1.00	0.184	29	3	3	355	77
						662592	149.00	150.00	1.00	0.272	1	6	3	967	38
						662593	150.00	151.00	1.00	0.165	62	8	15	14	66
						662594	151.00	152.00	1.00	0.112	12	19	11	66	66
						662595	152.00	153.00	1.00	0.429	64	71	61	605	103
						662596	153.00	154.00	1.00	0.280	31	19	39	443	196
						662597	154.00	155.00	1.00	0.187	1	28	69	23	188
						662598	155.00	156.00	1.00	0.098	1	8	10	30	160
						662599	156.00	157.00	1.00	0.112	1	3	33	25	169
						662600	Blank			#VALUE!	1	< 5	< 5	2	3
						662601	157.00	158.00	1.00	0.106	1	3	27	42	164
						662602	158.00	159.00	1.00	0.625	44	299	47	355	166
						662603	159.00	160.00	1.00	0.826	117	190	16	1490	239
						662604	160.00	161.00	1.00	0.226	23	44	13	272	147

Drillhole: EB-21-69

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
144.54	222.44	VT GB			Varitextured Gabbro (continued)	662605	161.00	162.00	1.00	0.245	34	14	6	495	107
						662606	162.00	163.00	1.00	0.265	45	6	3	625	82
						662607	163.00	164.00	1.00	0.204	26	8	10	377	108
						662608	164.00	165.00	1.00	0.112	11	3	3	136	88
						662609	165.00	166.00	1.00	0.091	4	12	3	26	80
						662610	Duplicate of 662609			0.083	4	6	3	18	79
						662611	166.00	167.00	1.00	0.084	7	3	3	34	66
						662612	167.00	168.00	1.00	0.245	54	3	3	469	59
						662613	168.00	169.00	1.00	0.644	151	3	6	1530	111
						662614	169.00	170.00	1.00	0.663	177	3	3	1490	88
						662615	170.00	171.00	1.00	0.087	6	3	3	75	75
						662616	171.00	172.00	1.00	0.249	50	3	3	487	117
						662617	172.00	173.00	1.00	0.091	2	6	3	44	128
						662618	173.00	174.00	1.00	0.482	95	33	8	925	264
						662619	174.00	175.00	1.00	0.849	115	203	170	777	228
						662620	Standard CDN-ME-9			4.815	149	654	1240	6120	8070
						662621	175.00	176.00	1.00	0.957	227	73	52	1760	321
			176.00	197.00	No chalcopyrite observed; trace pyrite and local coarse magnetite grains up to 4-5mm; locally appears to be mafic volcanic/dyke intervals in varitextured gabbro	662622	176.00	177.00	1.00	0.476	97	10	3	1080	202
						662623	177.00	178.00	1.00	0.360	75	12	3	756	189
						662624	178.00	179.00	1.00	0.259	50	3	3	561	129
						662625	179.00	180.00	1.00	0.308	65	3	3	701	126
						662626	180.00	181.00	1.00	0.309	71	3	3	661	113
						662627	181.00	182.00	1.00	0.093	8	3	3	118	49
						662628	182.00	183.00	1.00	0.117	19	3	3	172	31
						662629	183.00	184.00	1.00	0.082	11	3	3	98	37
						662630	Blank			#VALUE!	< 2	< 5	< 5	2	< 1
						662631	184.00	185.00	1.00	0.051	1	3	3	18	34
						662632	185.00	186.00	1.00	0.040	1	3	3	2	14
						662633	186.00	187.00	1.00	0.132	21	3	3	217	43
						662634	187.00	188.00	1.00	0.184	31	3	3	341	64
						662635	188.00	189.00	1.00	0.193	30	3	7	322	57
						662636	189.00	190.00	1.00	0.109	10	3	3	132	102
						662637	190.00	191.00	1.00	0.084	9	3	3	117	81
						662638	191.00	192.00	1.00	0.081	4	3	3	99	126
						662639	192.00	193.00	1.00	0.138	20	3	3	197	102
			194.20	196.30	Fault Zone; numerous gouge/rubble seams up to 10cm; moderately to strongly broken core; moderate foliation at 45-60° to c.a.	662640	193.00	194.00	1.00	0.070	8	3	3	112	31

Drillhole: EB-21-69

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
144.54	222.44	VT GB			Varitextured Gabbro (continued)	662641	194.00	195.00	1.00	0.082	9	3	3	96	28
						662642	195.00	196.00	1.00	0.156	11	7	10	283	133
						662643	196.00	197.00	1.00	0.594	26	55	222	841	367
			197.00	200.00	Plagioclase-rich zone - anorthositic gabbro?	662644	197.00	198.00	1.00	0.844	24	110	278	1340	475
						662645	Duplicate of 662644			0.620	22	43	192	1210	360
						662646	198.00	199.00	1.00	0.428	20	75	147	393	338
						662647	199.00	200.00	1.00	0.632	26	63	205	857	602
						662648	200.00	201.00	1.00	0.831	48	67	248	1250	725
						662649	201.00	202.00	1.00	0.800	58	32	150	1730	452
						662650	Standard CDN-ME-9			5.038	172	653	1370	6310	8210
						662651	202.00	203.00	1.00	0.925	44	93	314	1340	589
						662652	203.00	204.00	1.00	0.783	48	52	191	1380	627
						662653	204.00	205.00	1.00	0.887	50	73	253	1450	650
						662654	205.00	206.00	1.00	0.999	66	124	368	1130	512
						662655	206.00	207.00	1.00	1.309	54	254	525	1160	618
						662656	207.00	208.00	1.00	2.218	111	294	916	2800	731
						662657	208.00	209.00	1.00	0.859	37	170	261	802	754
						662658	209.00	210.00	1.00	0.798	56	84	127	1500	640
						662659	210.00	211.00	1.00	0.583	40	60	94	1040	513
						662660	Blank			#VALUE!	< 2	< 5	< 5	13	7
						662661	211.00	212.00	1.00	0.495	28	95	95	651	364
						662662	212.00	213.00	1.00	0.532	37	67	116	785	350
						662663	213.00	214.00	1.00	0.540	60	25	38	1180	425
						662664	214.00	215.00	1.00	0.294	37	16	14	541	257
						662665	215.00	216.00	1.00	0.584	128	26	22	1260	212
						662666	216.00	217.00	1.00	0.511	135	14	33	934	198
						662667	217.00	218.00	1.00	0.468	121	3	3	991	149
						662668	218.00	219.00	1.00	0.288	48	18	18	444	250
					Last chalcopyrite noted at 221.90m	662669	219.00	220.00	1.00	0.747	74	88	200	1040	382
						662670	Duplicate of 662669			1.502	114	219	526	1920	444
					Lower contact faulted - obscured by broken/sheared core	662671	220.00	221.00	1.00	0.920	93	113	262	1240	417
						662672	221.00	222.00	1.00	1.203	112	112	277	2270	506
222.44	275.00	MD/MV			Mafic Dyke/Volcanic	662673	222.00	223.00	1.00	0.353	23	38	80	549	172
					Medium to dark grey; fine grained; massive to locally weakly foliated at 70° to c.a.	662674	223.00	224.00	1.00	0.141	2	12	17	266	32
						662675	224.00	225.00	1.00	0.121	5	6	21	191	65
275.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN & EOH ZONE
Hole Number:	**EB-21-70**
Length:	305m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403728
UTM Northing:	5141357
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	384m
Planned Collar Orientation:	Az: 180; dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-20
Date Completed:	2021-06-22
Drilling Company:	Vital Drilling
Date Logged:	June 21 to 23
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	-60	187.4	55762	corrected az. = 178.2
101m	-59.4	189.9	54697	corrected az. = 180.7
200m	-58.6	189.8	57199	corrected az. = 180.1
305m	-57.9	196.8	55311	corrected az. = 187.6

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-70

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.50	CAS			Casing / Overburden										
						662676	74.00	75.00	1.00	0.118	5	16	18	137	60
1.50	78.70	LG			Leucogabbro	662677	75.00	76.00	1.00	0.100	3	13	11	120	57
					Locally appears more gabbroic; medium to light grey-green; coarse to medium grained; massive; local weak to moderate epidote alteration; no sulphides observed; lower contact sharp and somewhat regular at 40° to c.a.	662678	76.00	77.00	1.00	0.129	9	19	21	123	66
						662679	77.00	78.00	1.00	0.133	1	25	26	73	126
78.70	167.83	VT GB			Varitextured Gabbro	662680	78.00	79.00	1.00	0.629	19	151	243	392	237
					Mix of gabbro, leucogabbro and melagabbro; medium grey-green to locally lighter and darker; medium to coarse grained, locally fine grained; massive; trace chalcopyrite and pyrrhotite, with cpy first noted at 78.80m; sulphides occur as disseminated, blebs and stringers, with po generally dominant, occasionally with very little cpy compared to po	662681	79.00	80.00	1.00	1.635	94	298	618	1710	540
						662682	80.00	81.00	1.00	1.407	80	205	590	1280	649
						662683	81.00	82.00	1.00	0.808	67	62	209	1340	528
						662684	82.00	83.00	1.00	0.514	56	6	26	1220	481
						662685	83.00	84.00	1.00	0.651	79	59	211	699	324
						662686	84.00	85.00	1.00	0.878	37	93	431	861	291
						662687	85.00	86.00	1.00	1.568	108	176	702	1700	455
						662688	86.00	87.00	1.00	0.563	36	63	139	952	280
						662689	87.00	88.00	1.00	0.469	30	30	122	877	260
						662690	Standard CDN-ME-9			5.048	180	673	1270	6380	8610
						662691	88.00	89.00	1.00	1.533	95	196	761	1230	482
						662692	89.00	90.00	1.00	0.700	24	117	362	474	152
			90.00	108.00	Pyrrhotite-dominant interval with very little/rare chalcopyrite; common po blebs up to 1cm, possibly up to 0.5%	662693	90.00	91.00	1.00	0.534	28	91	215	475	186
						662694	91.00	92.00	1.00	0.756	26	125	405	455	178
						662695	92.00	93.00	1.00	0.613	30	110	243	554	222
						662696	93.00	94.00	1.00	0.900	71	109	344	1030	263
						662697	94.00	95.00	1.00	1.359	99	196	570	1270	462
						662698	95.00	96.00	1.00	1.305	119	148	535	1380	457
						662699	96.00	97.00	1.00	1.143	103	132	455	1250	396
						662700	Blank			#VALUE!	< 2	< 5	< 5	3	2
						662701	97.00	98.00	1.00	0.927	116	89	335	1020	304
						662702	98.00	99.00	1.00	1.621	637	87	305	934	256
						662703	99.00	100.00	1.00	0.696	83	69	228	857	179
						662704	100.00	101.00	1.00	0.355	35	40	109	406	120

Drillhole: EB-21-70

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
78.70	167.83	VT GB			Varitextured Gabbro (continued)	662705	101.00	102.00	1.00	0.691	137	79	167	675	180
						662706	102.00	103.00	1.00	0.653	50	102	231	734	165
						662707	103.00	104.00	1.00	0.658	75	73	205	855	172
						662708	104.00	105.00	1.00	0.823	48	134	342	730	268
						662709	105.00	106.00	1.00	0.695	79	100	220	742	209
						662710	Duplicate of 662709			0.682	70	98	230	710	211
						662711	106.00	107.00	1.00	0.394	38	60	123	416	123
						662712	107.00	108.00	1.00	0.458	63	57	139	471	144
						662713	108.00	109.00	1.00	0.364	23	79	117	325	106
						662714	109.00	110.00	1.00	0.890	219	95	232	665	241
						662715	110.00	111.00	1.00	0.453	42	54	141	533	176
						662716	111.00	112.00	1.00	0.414	39	55	150	387	140
						662717	112.00	113.00	1.00	0.465	39	64	166	444	183
						662718	113.00	114.00	1.00	0.485	48	63	175	445	202
						662719	114.00	115.00	1.00	0.578	39	88	270	400	164
						662720	Standard CDN-ME-9			4.928	166	662	1330	6060	8090
						662721	115.00	116.00	1.00	0.510	41	74	192	483	208
						662722	116.00	117.00	1.00	0.434	32	52	171	438	153
						662723	117.00	118.00	1.00	0.480	68	56	144	467	189
						662724	118.00	119.00	1.00	0.634	54	118	192	603	327
						662725	119.00	120.00	1.00	0.588	58	83	157	718	361
						662726	120.00	121.00	1.00	0.524	34	77	172	572	269
						662727	121.00	122.00	1.00	0.741	79	94	224	881	324
						662728	122.00	123.00	1.00	0.408	41	55	107	509	180
						662729	123.00	124.00	1.00	0.647	82	90	174	670	265
						662730	Blank			#VALUE!	< 2	< 5	< 5	9	4
						662731	124.00	125.00	1.00	0.941	141	125	217	1140	416
						662732	125.00	126.00	1.00	0.438	44	56	104	573	245
						662733	126.00	127.00	1.00	0.314	27	46	73	350	195
						662734	127.00	128.00	1.00	0.525	22	138	189	280	232
						662735	128.00	129.00	1.00	0.557	53	77	139	624	376
						662736	129.00	130.00	1.00	0.424	41	70	98	500	241
						662737	130.00	131.00	1.00	0.517	87	73	98	569	220
						662738	131.00	132.00	1.00	0.506	62	66	119	588	255
						662739	132.00	133.00	1.00	0.659	67	87	166	785	389
						662740	Duplicate of 662739			0.580	71	68	131	752	317
						662741	133.00	134.00	1.00	0.533	80	69	129	501	298
						662742	134.00	135.00	1.00	0.105	4	16	17	66	118

Drillhole: EB-21-70

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
78.70	167.83	VT GB			Varitextured Gabbro (continued)	662743	135.00	136.00	1.00	0.675	80	97	147	875	335
						662744	136.00	137.00	1.00	0.443	50	67	94	505	271
						662745	137.00	138.00	1.00	0.377	54	48	56	486	241
						662746	138.00	139.00	1.00	0.264	29	36	42	358	140
						662747	139.00	140.00	1.00	0.572	91	57	61	942	363
						662748	140.00	141.00	1.00	0.379	47	47	63	394	333
						662749	141.00	142.00	1.00	#VALUE!	< 2	< 5	< 5	176	106
						662750	Standard CDN-ME-9			5.076	153	708	1390	6240	8140
						662751	142.00	143.00	1.00	0.056	1	3	3	98	54
						662752	143.00	144.00	1.00	0.195	8	35	54	231	60
						662753	144.00	145.00	1.00	0.339	66	3	3	942	34
						662754	145.00	146.00	1.00	0.221	12	3	3	714	57
						662755	146.00	147.00	1.00	0.648	24	56	173	1500	90
						662756	147.00	148.00	1.00	0.093	1	3	6	16	173
						662757	148.00	149.00	1.00	0.171	1	15	67	15	206
						662758	149.00	150.00	1.00	0.472	5	76	257	141	282
						662759	150.00	151.00	1.00	1.671	54	248	809	1570	599
						662760	Blank			#VALUE!	< 2	< 5	< 5	8	4
			151.40	160.58	Mafic Dyke/Volcanic (I think it's more likely a dyke)	662761	151.00	152.00	1.00	0.382	11	44	180	314	209
					Medium green-grey; fine grained; massive with common irregular fractures and seams, with carbonate, epidote and feldspar fracture-filling and alteration; contacts somewhat gradational/subjective due to mixing with the VT GB; rare/trace chalcopyrite	662762	152.00	153.00	1.00	0.108	10	5	9	86	172
						662763	153.00	154.00	1.00	0.089	1	3	3	143	68
						662764	154.00	155.00	1.00	0.166	10	3	3	464	90
						662765	155.00	156.00	1.00	0.117	1	3	6	234	72
						662766	156.00	157.00	1.00	0.074	1	3	3	105	65
						662767	157.00	158.00	1.00	0.110	1	10	30	33	131
						662768	158.00	159.00	1.00	0.066	1	3	3	48	88
						662769	159.00	160.00	1.00	0.096	1	3	3	196	54
						662770	160.00	161.00	1.00	0.067	1	3	7	32	107
						662771	161.00	162.00	1.00	0.225	3	42	67	226	101
						662772	Duplicate of 662771			0.141	12	12	12	193	103
						662773	162.00	163.00	1.00	0.306	10	28	102	377	157
					Last chalcopyrite observed at 164.05m	662774	163.00	164.00	1.00	0.174	1	26	55	102	150
					Lower contact sharp and irregular	662775	164.00	165.00	1.00	0.478	3	94	238	250	184
						662776	165.00	166.00	1.00	0.119	7	22	16	59	117
						662777	166.00	167.00	1.00	0.126	1	20	3	109	160

Drillhole: EB-21-70

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
167.83	305.00	MD/MV			As from 151.40 to 160.58m down to about 200m then becoming more massive and homogeneous (i.e. less fractured and altered); darker green-grey and more medium to coarse grained intervals; locally porphyritic, becoming consistently so below 245m with irregular plagioclase phenocrysts up to 2cm; trace pyrite; last chalcopyrite observed at 172.65m; local coarse grained magnetite, with occasional patches up to 10cm, up to 10% magnetite from ~233 to 260m	662778	167.00	168.00	1.00	0.089	1	3	3	105	135
						662779	168.00	169.00	1.00	0.163	10	3	3	432	65
						662780	169.00	170.00	1.00	0.065	1	3	3	121	55
						662781	Standard CDN-ME-9			4.862	150	635	1310	6160	8000
						662782	170.00	171.00	1.00	0.088	6	3	3	150	79
						662783	171.00	172.00	1.00	0.137	11	3	3	382	58
						662784	172.00	173.00	1.00	0.105	10	3	3	238	57
						662785	173.00	174.00	1.00	0.072	1	3	3	78	74
						662786	174.00	175.00	1.00	0.069	1	3	3	78	73
305.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE & EOH ZONE
Hole Number:	**EB-21-71**
Length:	326m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403728
UTM Northing:	5141352
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	GPS said 474m (wrong)
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-22
Date Completed:	2021-06-24
Drilling Company:	Vital Drilling
Date Logged:	June 23 to 26
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	-59.5	186.4	54893	corrected az. = 177.2
101m	-59.0	189.9	55013	corrected az. = 180.7
200m	-57.7	193.5	55400	corrected az. = 184.3
302m	-56.9	194.6	55339	corrected az. = 185.4
326m	-56.8	195.7	55561	corrected az. = 186.5

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-71

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.50	CAS			Casing / Overburden										
1.50	174.08	LG			Leucogabbro	662787	110.00	111.00		0.086	1	3	10	50	165
					Medium to light grey-green, greener near top of unit due to epidote alteration; coarse to medium grained; massive; local narrow intervals more gabbroic; no sulphides	662788	111.00	112.00		0.068	1	3	14	25	106
						662789	112.00	113.00		0.074	1	3	21	31	102
			11.80	19.90	Mix of syenite and minor leucogabbro; pink to greenish to grey; local moderate epidote alteration; fine to medium grained; massive; contacts sharp and irregular	662790	113.00	114.00		0.149	1	16	36	44	226
						662791	114.00	115.00		0.246	2	31	58	68	414
			61.80	63.51	Fragmental dyke (lamprophyre?); common sub-rounded black clasts <1cm and subangular feldpsar(?) clasts; contacts sharp and regular at 70° to c.a.	662792	115.00	116.00		0.122	1	14	13	35	246
						662793	116.00	117.00		0.065	1	9	10	29	92
					Around 106m begin to get occasional intervals of gabbro/melagabbro, but not a typical Varitextured Gabbro - looks more like leucogabbro with minor massive gabbro/melabaggro; only chalcopyrite observed was several fine grains at 114.30m, and a a couple more intervals as described below. Taking some samples to check PGE mineralization	662794	117.00	118.00		0.063	1	3	16	16	99
						662795	118.00	119.00		0.096	1	10	28	78	84
						662796	119.00	120.00		0.085	1	10	15	71	84
						662797	120.00	121.00		0.095	1	3	31	34	147
						662798	121.00	122.00		0.184	2	13	38	121	361
			122.95	128.70	Fault/Deformation Zone; locally moderately broken/blocky core; several seams of rubble/gouge; moderately fractured with local breccia										
						662799	152.00	153.00		1.290	86	199	648	723	461
			153.60	155.20	Several very fine grained flecks of chalcopyrite	662800	Standard CDN-ME-9			4.933	141	634	1320	6350	8230
						662801	153.00	154.00		0.673	11	120	319	426	316
						662802	154.00	155.00		0.354	12	31	74	674	265
						662803	155.00	156.00		0.377	2	74	192	95	214
						662804	156.00	157.00		0.112	1	9	13	87	207
						662805	157.00	158.00		0.084	1	3	8	76	163
						662806	158.00	159.00		0.088	1	3	22	49	145
						662807	159.00	160.00		0.160	1	3	5	120	428
						662808	160.00	161.00		0.206	1	18	51	44	419
						662809	161.00	162.00		0.958	38	166	500	577	328
						662810	Blank			#VALUE!	< 2	< 5	< 5	1	2

Drillhole: EB-21-71

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
1.50	174.08	LG			Leucogabbro	662811	162.00	163.00		0.533	21	73	242	515	243
						662812	163.00	164.00		1.653	40	323	930	788	474
						662813	164.00	165.00		1.353	30	255	798	559	351
						662814	165.00	166.00		0.121	1	15	47	78	130
						662815	166.00	167.00		0.152	3	21	61	120	123
			168.35	173.65	Numerous blebs chalcopyrite	662816	167.00	168.00		1.140	66	174	498	985	510
						662817	168.00	169.00		0.302	10	34	94	213	370
						662818	169.00	170.00		0.876	32	153	398	675	371
						662819	170.00	171.00		1.106	46	207	472	973	355
						662820	171.00	172.00		1.645	109	218	598	2160	692
						662821	Duplicate of 662820			1.811	125	202	591	2890	749
					Lower contact sharp and regular at 45° to c.a. - unit exhibited some minor intervals of Varitextured Gabbro (i.e. mix of leucogabbro, gabbro and melagabbro) but was predominantly a leucogabbro, so I haven't separated out any VT GB unit.	662822	172.00	173.00		1.179	109	78	260	2250	868
						662823	173.00	174.00		0.765	28	72	263	1040	696
174.08	228.80	MD/MV			Mafic Dyke/Volcanic	662824	174.00	175.00		0.157	4	11	20	228	193
					Medium green-grey; fine grained; massive with common epidote seams and fractures, locally strong and pervasive; local feldspar veining and clusters/patches; trace pyrite throughout, locally with pyrrhotite and magnetite; trace chalcopyrite and pyrrhotite blebs, last observed at 183.20m	662825	175.00	176.00		0.168	6	10	34	205	122
						662826	176.00	177.00		0.096	5	3	10	112	82
						662827	177.00	178.00		0.054	1	6	12	55	49
						662828	178.00	179.00		0.052	1	3	3	96	44
						662829	179.00	180.00		0.052	1	3	3	78	31
						662830	Standard CDN-ME-9			4.904	135	652	1260	6400	8270
						662831	180.00	181.00		0.036	1	3	9	12	30
						662832	181.00	182.00		0.073	1	3	3	243	13
						662833	182.00	183.00		0.056	1	3	3	91	32
						662834	183.00	184.00		0.073	1	3	3	125	30
						662835	184.00	185.00		0.096	2	3	3	254	47
228.80	237.45	MIXED			Zone that appears to exhibit mixed syenitic/felsic material and mafic dyke/volcanic as above; locally exhibits inclusions/clasts that are sub-rounded - looks somewhat like a breccia/agglomerate										
					includes: 236.00 to 236.27m: 3-5% net-textured chalcopyrite and pyrrhotite	662836	233.00	234.00		0.074	1	3	3	126	35
					and: 236.27 to 237.45: trace blebs, stringers and disseminated chalcopyrite	662837	234.00	235.00		0.030	1	3	3	51	5
						662838	235.00	236.00		0.137	11	9	32	301	18
						662839	236.00	237.00		2.860	227	311	783	5780	417

Drillhole: EB-21-71

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						662840	Blank			#VALUE!	< 2	< 5	5	42	3
237.45	326.00	GB (EOH)			Gabbro (EOH Zone - Feeder Dyke?)	662841	237.00	238.00		0.482	22	36	132	1030	122
					Dark to medium green; medium to coarse grained; massive; trace blebs, stringers and disseminated chalcopyrite and pyrrhotite throughout, locally appears to be up to 1% over several metres; blebs are often rounded to sub-rounded with cpy + po +/- epidote +/- fspr; generally po > cpy throughout; common (5-10%) fine (2-3mm) white grains disseminated throughout	662842	238.00	239.00		1.027	37	126	286	2060	246
						662843	239.00	240.00		0.476	17	58	126	877	158
						662844	240.00	241.00		0.263	7	41	74	303	140
						662845	241.00	242.00		0.189	1	18	35	276	143
						662846	242.00	243.00		0.792	17	99	362	919	225
						662847	243.00	244.00		0.692	14	79	297	908	210
						662848	244.00	245.00		0.873	23	80	373	1320	239
						662849	245.00	246.00		2.099	101	178	814	3660	444
			247.00	251.00	Common rounded blebs <1cm of chalcopyrite +/- pyrrhotite +/- epidote +/- feldspar; could be up to 1% over this interval (5m); interval includes stringers and disseminated cpy + po	662850	246.00	247.00		1.128	32	119	582	1230	241
						662851	247.00	248.00		1.784	63	184	839	2370	358
					Intervals as above seem to occur regularly to the end of hole, so I haven't tried to separate them all out in the log, as they grade into lower grade intervals and vary in width; it appears we may be drilling down-dip of this zone	662852	248.00	249.00		2.261	73	234	1030	3220	476
						662853	Duplicate of 662852			2.996	99	279	1330	4760	507
						662854	249.00	250.00		2.872	105	269	1310	4300	517
						662855	250.00	251.00		2.288	75	212	986	3660	471
						662856	251.00	252.00		0.194	7	20	44	278	101
						662857	252.00	253.00		0.158	4	19	30	209	88
						662858	253.00	254.00		0.152	3	20	28	195	85
						662859	254.00	255.00		0.170	5	21	30	243	90
						662860	Standard CDN-ME-9			5.003	131	662	1360	6420	8190
						662861	255.00	256.00		0.156	3	23	32	169	90
						662862	256.00	257.00		0.149	2	21	28	170	98
						662863	257.00	258.00		0.159	1	25	40	153	91
						662864	258.00	259.00		0.179	4	19	41	233	103
						662865	259.00	260.00		0.179	4	21	39	238	106
						662866	260.00	261.00		0.212	5	34	48	261	111
						662867	261.00	262.00		0.192	5	26	50	209	106
						662868	262.00	263.00		0.210	4	28	57	244	117
						662869	263.00	264.00		0.184	1	24	47	213	112

Drillhole: EB-21-71

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
237.45	326.00	GB (EOH)			Gabbro (EOH Zone - Feeder Dyke?) - continued	662870	Blank			#VALUE!	< 2	< 5	< 5	< 1	2
						662871	264.00	265.00		0.171	4	24	40	176	109
						662872	265.00	266.00		0.105	1	8	19	86	110
						662873	266.00	267.00		0.230	15	34	70	164	118
						662874	267.00	268.00		0.211	5	26	64	219	122
						662875	268.00	269.00		0.259	6	28	88	322	124
						662876	269.00	270.00		0.408	8	76	182	277	129
						662877	270.00	271.00		0.438	18	56	121	680	175
						662878	271.00	272.00		0.332	14	37	90	529	136
						662879	272.00	273.00		0.309	10	26	75	551	165
						662880	273.00	274.00		0.483	25	64	145	669	191
						662881	Duplicate of 662880			0.481	21	64	152	662	189
						662882	274.00	275.00		0.444	19	38	120	846	168
						662883	275.00	276.00		0.288	13	17	79	478	145
						662884	276.00	277.00		0.417	17	48	122	655	179
						662885	277.00	278.00		0.521	34	34	105	1190	159
						662886	278.00	279.00		0.317	15	25	67	627	136
						662887	279.00	280.00		0.394	18	41	113	637	155
						662888	280.00	281.00		0.694	29	65	190	1360	225
						662889	281.00	282.00		0.476	20	58	145	725	185
						662890	Standard CDN-ME-9			4.899	132	650	1320	6220	8150
						662891	282.00	283.00		0.603	20	55	226	930	209
						662892	283.00	284.00		0.580	29	79	180	848	191
						662893	284.00	285.00		0.704	35	79	201	1270	210
						662894	285.00	286.00		0.845	36	84	253	1610	237
						662895	286.00	287.00		0.716	35	70	215	1300	232
						662896	287.00	288.00		0.655	35	52	196	1220	227
						662897	288.00	289.00		0.729	26	82	248	1190	232
						662898	289.00	290.00		0.388	12	37	107	683	178
						662899	290.00	291.00		0.400	13	48	132	578	153
						662900	Blank			#VALUE!	< 2	< 5	< 5	2	< 1
						662901	291.00	292.00		0.521	15	54	152	951	192
						662902	292.00	293.00		0.820	34	70	208	1670	320
						662903	293.00	294.00		0.641	27	60	188	1180	214
						662904	294.00	295.00		0.569	22	63	173	961	200
						662905	295.00	296.00		0.769	28	83	272	1210	261
						662906	296.00	297.00		0.605	29	54	146	1240	195
						662907	297.00	298.00		0.724	30	78	228	1240	235

Drillhole: EB-21-71

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						662908	298.00	299.00		0.637	26	65	172	1230	221
237.45	326.00	GB (EOH)			Gabbro (EOH Zone - Feeder Dyke?) - continued	662909	299.00	300.00		0.913	43	108	283	1580	258
						662910	Duplicate of 662909			0.786	27	79	247	1440	257
						662911	300.00	301.00		0.808	33	70	243	1550	264
						662912	301.00	302.00		0.958	48	84	253	1990	302
						662913	302.00	303.00		0.658	25	65	183	1260	235
						662914	303.00	304.00		0.689	31	49	145	1590	254
						662915	304.00	305.00		0.841	36	90	242	1570	242
						662916	305.00	306.00		0.734	29	84	224	1220	234
						662917	306.00	307.00		0.722	16	68	187	1530	290
						662918	307.00	308.00		0.575	34	61	176	915	204
						662919	308.00	309.00		0.653	26	58	182	1280	217
						662920	Standard CDN-ME-9			5.027	149	666	1310	6500	8360
						662921	309.00	310.00		1.070	45	99	312	2140	297
						662922	310.00	311.00		0.748	28	88	191	1400	298
						662923	311.00	312.00		0.583	20	83	181	881	202
						662924	312.00	313.00		0.342	8	48	120	407	140
						662925	313.00	314.00		0.439	18	60	133	633	170
						662926	314.00	315.00		0.586	21	86	222	708	182
						662927	315.00	316.00		0.711	117	63	174	993	188
						662928	316.00	317.00		0.502	20	58	145	829	193
						662929	317.00	318.00		0.790	30	71	209	1660	252
						662930	Blank			#VALUE!	< 2	< 5	< 5	3	< 1
						662931	318.00	319.00		0.699	28	76	206	1290	241
						662932	319.00	320.00		0.449	13	42	137	795	188
						662933	320.00	321.00		0.359	10	45	101	547	173
						662934	321.00	322.00		0.325	7	43	95	461	169
						662935	322.00	323.00		0.319	11	33	95	481	143
						662936	323.00	324.00		0.696	71	66	187	1100	226
						662937	324.00	325.00		0.421	9	57	137	614	153
						662938	325.00	326.00		0.470	11	69	137	727	178
326.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN; DOWN PLUNGE
Hole Number:	**EB-21-72**
Length:	326m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403852
UTM Northing:	5141464
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	385m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-06-25
Date Completed:	2021-06-27
Drilling Company:	Vital Drilling
Date Logged:	June 26 to 28
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-60.9	188.2	53748	corrected az. = 179.0
101m	-60.8	192.9	54901	corrected az. = 183.7
200m	-60.3	195.6	55210	corrected az. = 186.4
302m	-59.5	196.7	54963	corrected az. = 187.5

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-72

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.30	CAS			Casing / Overburden										
1.30	225.83	LG/GB			Leucogabbro/Gabbro										
					Predominantly leucogabbro with common more gabbroic intervals in upper part of unit, and local anorthositic gabbro(?) - ~90% plagioclase; light to medium grey; medium to coarse grained; massive; no/rare sulphides;										
			13.25	14.15	Syenite dyke; pink; medium grained; massive; upper contact sharp and regular at 70° with quartz veining, lower contact sharp and somewhat regular at 70° to c.a.										
			45.20	46.75	Fragmental dyke (lamprophyre?); abundant dark green rounded clasts <1cm, and whitish clasts 2-3mm; upper contact obscured by broken core, lower contact sharp at 70° to c.a.										
					Lower contact gradational	662939	223.00	224.00	1.00	0.103	1	11	10	105	108
						662940	224.00	225.00	1.00	0.080	1	6	5	90	97
225.83	301.50	VT GB			Varitextured Gabbro	662941	225.00	226.00	1.00	#VALUE!	1	< 5	7	46	96
					Mix of gabbro, melagabbro and leucogabbro; medium grey-green to locally lighter and darker; fine to coarse grained; massive to locally sheared/foliated at 45-60 ° to c.a.; trace chalcopyrite, pyrrhotite and pyrite throughout - cpy first noted at 230.1m, generally sparse mineralization until ~249.5m; mineralization is primarily disseminated, with rare blebs and stringers - best mineralization appeared to be ~249.5 to 265m	662942	226.00	227.00	1.00	0.088	1	10	6	81	100
						662943	227.00	228.00	1.00	0.081	1	6	5	68	109
						662944	228.00	229.00	1.00	0.101	1	11	16	53	131
						662945	229.00	230.00	1.00	0.093	1	9	11	53	136
						662946	230.00	231.00	1.00	0.092	1	11	12	75	111
						662947	231.00	232.00	1.00	0.113	1	12	39	66	96
						662948	232.00	233.00	1.00	0.098	1	8	33	47	86
						662949	233.00	234.00	1.00	0.152	1	9	27	37	280
						662950	Standard CDN-ME-9			4.920	118	688	1320	6240	8070
						662951	234.00	235.00	1.00	0.154	1	29	26	52	215
						662952	235.00	236.00	1.00	0.110	1	3	29	23	195
						662953	236.00	237.00	1.00	0.089	1	3	25	46	117
						662954	237.00	238.00	1.00	0.077	1	3	20	27	122
						662955	238.00	239.00	1.00	0.122	1	10	15	55	208
						662956	239.00	240.00	1.00	0.151	3	19	9	126	255
						662957	240.00	241.00	1.00	0.136	1	22	21	30	214

Drillhole: EB-21-72

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
225.83	301.50	VT GB			Varitextured Gabbro (continued)	662958	241.00	242.00	1.00	0.128	1	26	10	34	178
						662959	242.00	243.00	1.00	0.222	1	43	51	37	320
						662960	Blank			#VALUE!	< 2	< 5	21	6	30
						662961	243.00	244.00	1.00	0.267	4	61	71	83	305
			244.60	249.22	Fault Zone; several seams of gouge/rubbly core; core is moderately broken/blocky/pitted/vuggy	662962	244.00	245.00	1.00	0.513	13	109	223	192	311
						662963	245.00	246.00	1.00	1.164	43	208	502	776	683
						662964	246.00	247.00	1.00	0.784	39	90	355	636	488
						662965	247.00	248.00	1.00	1.368	135	184	629	716	648
						662966	248.00	249.00	1.00	0.608	8	175	202	124	530
						662967	249.00	250.00	1.00	0.698	16	207	257	143	492
						662968	250.00	251.00	1.00	2.404	112	520	1190	1150	690
						662969	251.00	252.00	1.00	2.721	126	425	1430	1900	795
						662970	Duplicate of 662969			3.098	176	554	1480	2270	875
						662971	252.00	253.00	1.00	1.818	75	271	923	1360	740
						662972	253.00	254.00	1.00	2.367	117	285	1180	2330	759
						662973	254.00	255.00	1.00	3.475	134	620	1850	2320	772
						662974	255.00	256.00	1.00	2.169	85	336	1130	1670	608
						662975	256.00	257.00	1.00	3.641	145	440	1910	3480	1040
						662976	257.00	258.00	1.00	3.242	137	462	1680	2750	928
						662977	258.00	259.00	1.00	1.056	68	117	438	1270	397
						662978	259.00	260.00	1.00	0.733	25	91	328	759	344
						662979	260.00	261.00	1.00	1.352	54	181	645	1300	471
						662980	Standard CDN-ME-9			5.087	199	710	1410	6120	7800
						662981	261.00	262.00	1.00	2.009	118	279	948	1920	495
						662982	262.00	263.00	1.00	0.954	80	133	380	914	314
						662983	263.00	264.00	1.00	0.929	125	98	275	1110	344
						662984	264.00	265.00	1.00	0.682	81	42	108	1240	409
					Below ~266m unit exhibits increasing pyrite, decreasing chalcopyrite and pyrrhotite	662985	265.00	266.00	1.00	0.532	71	26	68	956	333
						662986	266.00	267.00	1.00	0.501	68	28	78	779	335
						662987	267.00	268.00	1.00	0.309	45	8	27	589	171
						662988	268.00	269.00	1.00	0.423	40	20	51	828	266
						662989	269.00	270.00	1.00	0.270	17	11	39	505	178
						662990	Blank			#VALUE!	< 2	< 5	< 5	21	6
						662991	270.00	271.00	1.00	0.512	57	20	78	1020	305
						662992	271.00	272.00	1.00	0.376	23	17	57	697	341
						662993	272.00	273.00	1.00	0.440	40	22	63	838	294

Drillhole: EB-21-72

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
225.83	301.50	VT GB			Varitextured Gabbro (continued)	662994	273.00	274.00	1.00	0.513	49	30	93	911	318
						662995	274.00	275.00	1.00	0.457	36	25	74	885	295
						662996	275.00	276.00	1.00	0.447	33	30	100	658	271
						662997	276.00	277.00	1.00	0.675	52	51	127	1170	381
					Below ~276m there is local patchy magnetite, commonly with pyrite, and still some chalcopyrite and pyrrhotite	662998	277.00	278.00	1.00	0.406	37	24	66	684	299
						662999	278.00	279.00	1.00	0.322	31	13	28	646	197
						663000	Duplicate of 662999			0.295	33	11	24	547	204
						1199001	279.00	280.00	1.00	0.114	4	14	3	80	96
						1199002	280.00	281.00	1.00	0.088	3	3	3	59	84
						1199003	281.00	282.00	1.00	0.231	20	13	23	327	149
						1199004	282.00	283.00	1.00	0.367	33	26	85	470	181
					~284.0 to 291.8: looks like an interval of finer grained, possibly mafic volcanic, with pervasive bluish quartz	1199005	283.00	284.00	1.00	0.164	14	8	26	185	127
						1199006	284.00	285.00	1.00	0.053	2	3	9	41	41
						1199007	285.00	286.00	1.00	0.127	7	11	33	85	91
						1199008	286.00	287.00	1.00	0.065	1	3	8	16	64
						1199009	287.00	288.00	1.00	0.174	14	7	20	194	240
						1199010	Standard CDN-ME-9			5.079	185	663	1330	6560	8160
						1199011	288.00	289.00	1.00	0.162	16	11	43	163	92
						1199012	289.00	290.00	1.00	0.367	31	60	185	128	93
						1199013	290.00	291.00	1.00	0.311	41	36	117	320	38
						1199014	291.00	292.00	1.00	0.126	13	13	26	132	46
						1199015	292.00	293.00	1.00	1.149	158	149	171	1710	697
						1199016	293.00	294.00	1.00	1.307	187	112	203	2090	735
						1199017	294.00	295.00	1.00	0.731	61	53	113	1290	478
						1199018	295.00	296.00	1.00	0.574	72	56	91	942	253
						1199019	296.00	297.00	1.00	0.390	54	40	49	533	290
						1199020	Blank			#VALUE!	< 2	< 5	< 5	3	1
						1199021	297.00	298.00	1.00	0.408	75	32	32	654	232
					Last chalcopyrite noted at 298.35m	1199022	298.00	299.00	1.00	0.590	105	52	97	850	299
						1199023	299.00	300.00	1.00	0.343	9	105	97	132	219
						1199024	300.00	301.00	1.00	0.235	4	65	60	65	210
301.50	326.00	MD			Mafic Dyke	1199025	301.00	302.00	1.00	0.136	11	16	19	168	61
					Medium green-grey; fine grained with local phenocrysts up to ~1cm; massive - locally porphyritic; trace pyrite, pyrrhotite	1199026	302.00	303.00	1.00	0.176	18	17	18	321	34
						1199027	303.00	304.00	1.00	0.144	5	19	18	239	35
326.00		E.O.H.			End of Hole	1199028	304.00	305.00	1.00	0.126	8	19	16	163	33

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	180067
Target:	VALHALLA GARDEN GAP
Hole Number:	**EB-21-73**
Length:	227m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	404196
UTM Northing:	5141474
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	381m (? Gps reading - I think its wrong)
Planned Collar Orientation:	Az: 180; Dip: -45
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-08-26
Date Completed:	2021-08-27
Drilling Company:	Vital Drilling
Date Logged:	August 27 to 29
Logged By:	D.Cullen

Downhole Surveys				
Instrument: Reflex				
Depth	Dip	Azimuth	Mag	Comment
6m	-42.7	179.7		corrected az. = 170.2
101m	-43.6	195.1		corrected az. = 185.9
200m	-42.9	197.2		corrected az. = 188.0
227m	-42.8	197.0		corrected az. = 187.8

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments: They have a new Reflex and there are problems getting magnetic field readings. I believe the reading at 6m is wrong because checking the drill set-up with the compass it looked right on

Drillhole: EB-21-73

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	3.00	CAS			Casing / Overburden										
3.00	144.24	GB/LG			Gabbro / Leucogabbro										
					Medium to locally light grey-green; medium to coarse grained; massive; below ~172m unit appears primarily gabbroic to 144.24m; no sulphides; lower contact gradational, somewhat arbitrary	1199029	140.00	141.00	1.00	0.115	5	15	13	138	70
						1199030	141.00	142.00	1.00	0.119	4	18	16	131	71
			15.30	19.10	Syenite; red-orange; medium grained; massive; contacts gradational/irregular	1199031	142.00	143.00	1.00	0.111	4	12	14	134	71
						1199032	143.00	144.00	1.00	0.116	4	16	17	123	68
144.24	187.25	VT GB			Varitextured Gabbro	1199033	144.00	145.00	1.00	0.126	3	20	19	138	70
					Mix of gabbro, leucogabbro and melagabbro; not as much variation in texture as typically seen (usually somewhat more chaotic-looking, heterogeneous); medium to coarse grained; massive; very little sulphides - looks like all chalcopyrite but only less than a dozen fine grained flecks observed	1199034	145.00	146.00	1.00	0.156	3	35	30	137	71
						1199035	146.00	147.00	1.00	0.146	4	28	30	132	68
						1199036	147.00	148.00	1.00	0.130	1	22	25	141	64
						1199037	148.00	149.00	1.00	0.124	3	24	30	68	68
						1199038	149.00	150.00	1.00	0.168	8	38	33	131	74
						1199039	150.00	151.00	1.00	0.183	6	43	43	134	77
						1199040	Standard CDN-ME-9			4.940	117	684	1330	6210	8240
						1199041	151.00	152.00	1.00	0.148	7	28	26	153	65
						1199042	152.00	153.00	1.00	0.204	14	42	31	238	82
						1199043	153.00	154.00	1.00	0.187	9	41	34	189	77
						1199044	154.00	155.00	1.00	0.163	10	24	21	223	73
						1199045	155.00	156.00	1.00	0.153	7	26	19	189	76
						1199046	156.00	157.00	1.00	0.152	3	31	24	151	84
						1199047	157.00	158.00	1.00	0.139	5	21	21	184	66
						1199048	158.00	159.00	1.00	0.135	3	28	25	124	66
						1199049	159.00	160.00	1.00	0.158	4	40	32	113	70
						1199050	Blank			#VALUE!	< 2	< 5	< 5	10	7
						1199051	160.00	161.00	1.00	0.181	4	51	40	130	65
						1199052	161.00	162.00	1.00	0.202	4	60	54	109	67
						1199053	162.00	163.00	1.00	0.160	4	48	34	106	57
						1199054	163.00	164.00	1.00	0.146	5	27	33	129	70
						1199055	164.00	165.00	1.00	0.155	4	28	37	149	74
						1199056	165.00	166.00	1.00	0.135	6	27	17	137	75
						1199057	166.00	167.00	1.00	0.146	9	28	19	154	79

Drillhole: EB-21-73

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
144.24	187.25	VT GB			Varitextured Gabbro (continued)	1199058	167.00	168.00	1.00	0.142	3	32	29	116	73
						1199059	168.00	169.00	1.00	0.112	3	19	14	128	69
						1199060	Duplicate of 1199059			0.095	1	14	12	107	66
						1199061	169.00	170.00	1.00	0.088	1	9	9	122	61
						1199062	170.00	171.00	1.00	0.106	4	15	11	133	65
						1199063	171.00	172.00	1.00	0.141	3	38	22	110	69
						1199064	172.00	173.00	1.00	0.121	3	25	19	100	75
						1199065	173.00	174.00	1.00	0.134	3	25	20	146	72
						1199066	174.00	175.00	1.00	0.124	4	20	17	134	79
						1199067	175.00	176.00	1.00	0.099	1	10	15	110	76
						1199068	176.00	177.00	1.00	0.125	5	17	23	130	76
						1199069	177.00	178.00	1.00	0.108	3	16	18	97	72
						1199070	Standard CDN-ME-9			5.031	131	698	1390	6200	8200
						1199071	178.00	179.00	1.00	0.133	5	18	19	169	76
						1199072	179.00	180.00	1.00	0.122	3	16	21	140	73
						1199073	180.00	181.00	1.00	0.148	5	26	25	173	71
						1199074	181.00	182.00	1.00	0.123	3	17	19	148	72
						1199075	182.00	183.00	1.00	0.123	3	16	18	159	71
						1199076	183.00	184.00	1.00	0.107	1	15	18	118	68
						1199077	184.00	185.00	1.00	0.124	1	23	20	132	70
						1199078	185.00	186.00	1.00	0.115	1	20	22	109	70
					Lower contact sharp and regular at 70° to c.a.	1199079	186.00	187.00	1.00	0.117	1	21	22	114	66
						1199080	Blank			#VALUE!	< 2	< 5	< 5	< 1	1
187.25	227.00	MD/MV			Mafic Dyke (Volcanic?)	1199081	187.00	188.00	1.00	0.095	1	9	8	111	79
					Medium grey-green; begins very fine grained, becoming fine to medium in a few metres; massive; first metre exhibits 1-2% rounded pyrrhotite blebs up to 3-4mm	1199082	188.00	189.00	1.00	0.079	1	6	3	115	69
						1199083	189.00	190.00	1.00	0.081	1	3	3	149	67
						1199084	190.00	191.00	1.00	0.080	1	3	3	140	64
					Get trace sulphides below ~215m looks like predominantly pyrite but some chalcopyrite and pyrrhotite below 221m	1199085	215.00	216.00	1.00	0.069	2	3	3	93	69
						1199086	216.00	217.00	1.00	0.071	1	3	3	108	62
			217.20	220.40	Fault Zone; moderately to strongly broken core with local rubbly/ground core and gouge	1199087	217.00	218.00	1.00	0.131	6	3	3	178	203
						1199088	218.00	219.00	1.00	0.253	6	32	94	155	205
						1199089	219.00	220.00	1.00	0.142	4	12	14	150	211

Drillhole: EB-21-73

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
			221.00	227.00	Occasional (trace) sulphides; appears to be pyrite, chalcopyrite and pyrrhotite; fine grained disseinated with one coarse (~1 cm) bleb at 222m; last cpy noted at 226.6m	1199090	220.00	221.00	1.00	2.211	68	428	1300	816	390
						1199091	221.00	222.00	1.00	0.686	17	144	244	708	279
						1199092	222.00	223.00	1.00	2.138	90	357	1010	1890	611
						1199093	Duplicate of 1199092			1.988	95	302	930	1880	590
						1199094	223.00	224.00	1.00	0.285	13	44	60	276	292
						1199095	224.00	225.00	1.00	0.402	29	19	67	773	352
					Last metre appears to exhibit moderate fledspar alteration(?); ~40-50% irregular white-grey blebs/splotches of felspar up to several centimetres with diffuse boundaries	1199096	225.00	226.00	1.00	0.085	1	3	8	62	132
						1199097	226.00	227.00	1.00	0.064	1	3	3	65	102
227.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	180067
Target:	VALHALLA GARDEN GAP; DOWN PLUNGE
Hole Number:	**EB-21-74**
Length:	281m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	404191
UTM Northing:	5141541
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	348m (? Gps reading - I think its wrong)
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-08-28
Date Completed:	2021-08-30
Drilling Company:	Vital Drilling
Date Logged:	August 29 to 31
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	189.9	-59.5		corrected az. = 180.7
104m	-60.1	316.3		corrected az. = 307.1*
200m	-61.7	195.2		corrected az. = 186.0
281m	-61.2	197.2		corrected az. = 188.0

Core Storage:	61 Mailloux Rd., Walford, Ontario
Comments:	*there's obviously something wrong with this test

Drillhole: EB-21-74

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.30	CAS			Casing / Overburden										
1.30	38.30	GB/LG			Gabbro/Leucogabbro										
					Medium to light grey-green; medium to coarse grained; massive; no sulphides; lower contact sharp and regular at 45° to c.a.										
38.30	54.70	MD			Mafic Dyke										
					Medium green-grey; fine grained to locally medium grained; massive; no sulphides; lower contact sharp and regular at 45° to c.a.										
54.70	238.85	GB/LG			As from 1.30 to 38.30m; very rare/fine grained flecks of sulphide (py/cpy?); local coarse magnetite										
			60.24	60.92	Mafic dyke as from 38.30 to 54.70m; conatcts sharp and regular at 60° to c.a.										
					Becomes predominantly gabbroic below ~112m - massive; homogeneous; medium grained; medium green-grey; below ~209m becomes a mix of gabbro and leucogabbro again and appears to be predominantly leucogabbro										
						1199098	205.00	206.00	1.00	0.122	7	5	9	213	87
					206.45: one bleb of chalcopyrite ~5mm in a calcite vein	1199099	206.00	207.00	1.00	0.174	10	17	26	286	83
						1199100	Standard CDN-ME-9			4.992	151	694	1300	6280	8270
					lower contact gradational	1199101	207.00	208.00	1.00	0.202	11	30	38	283	81
238.85	281.00	VT GB			Varitextured Gabbro	1199102	236.00	237.00	1.00	0.134	4	27	31	109	64
					Mix of gabbro, leucogabbro and melagabbro; variably light to dark green-grey; coarse to medium grained, locally fine; massive to locally weakly to moderately foliated at 70° to c.a.; trace chalcopyrite, pyrrhotite and pyrite, with cpy first noted at 239.40m	1199103	237.00	238.00	1.00	0.113	1	22	23	97	65
						1199104	238.00	239.00	1.00	0.314	7	62	138	206	73
			238.85	245.70	Altered zone; light green-grey; appears bleached (silicified/albitized?0; common coarse zoned/altered feldspar clasts or clusters; trace chalcopyrite overall; includes 243.58-243.70: 1-2% medium grained disseminated cpy	1199105	239.00	240.00	1.00	0.566	9	58	381	316	70
						1199106	240.00	241.00	1.00	0.365	10	34	247	155	88
						1199107	241.00	242.00	1.00	0.026	1	3	3	7	44
						1199108	242.00	243.00	1.00	0.059	1	11	8	58	45
						1199109	243.00	244.00	1.00	0.409	17	8	32	1420	62
						1199110	Blank			#VALUE!	< 2	< 5	< 5	8	1

Drillhole: EB-21-74

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
238.85	281.00	VT GB			Varitextured Gabbro (continued)	1199111	244.00	245.00	1.00	0.122	1	11	77	55	39
						1199112	245.00	246.00	1.00	0.267	10	20	101	478	45
						1199113	246.00	247.00	1.00	0.183	4	31	43	141	164
						1199114	247.00	248.00	1.00	0.096	2	11	5	143	94
						1199115	248.00	249.00	1.00	0.055	1	3	3	44	82
						1199116	249.00	250.00	1.00	0.059	1	8	3	44	78
						1199117	250.00	251.00	1.00	0.099	1	3	3	179	99
						1199118	251.00	252.00	1.00	0.090	1	13	8	71	97
						1199119	252.00	253.00	1.00	0.057	1	3	5	41	87
						1199120	Duplicate of 1199119			0.061	1	6	3	56	87
						1199121	253.00	254.00	1.00	0.076	2	6	7	73	100
						1199122	254.00	255.00	1.00	0.103	1	10	15	56	159
						1199123	255.00	256.00	1.00	0.142	1	8	7	49	341
			257.60	277.00	Interval of increased mineralization - still trace overall; coincides with numerous narrow fault zones (<10cm) with vuggy/pitted core and moderately broken core; moderate foliation at 70° to c.a.	1199124	256.00	257.00	1.00	0.185	2	12	31	76	402
						1199125	257.00	258.00	1.00	1.065	72	63	284	1780	811
						1199126	258.00	259.00	1.00	1.167	32	149	564	905	659
						1199127	259.00	260.00	1.00	2.261	117	245	897	3240	741
						1199128	260.00	261.00	1.00	0.256	7	25	98	206	183
						1199129	261.00	262.00	1.00	0.686	24	82	316	633	342
						1199130	Standard CDN-ME-9			5.115	197	705	1340	6300	8270
						1199131	262.00	263.00	1.00	1.407	64	146	579	1870	655
						1199132	263.00	264.00	1.00	0.985	22	86	293	1870	650
						1199133	264.00	265.00	1.00	0.475	19	43	188	456	430
						1199134	265.00	266.00	1.00	0.731	33	114	355	447	301
			267.00	267.10	7-10% net-textured and stringer pyrrhotite and chalcopyrite	1199135	266.00	267.00	1.00	0.771	32	97	350	697	407
						1199136	267.00	268.00	1.00	2.358	92	274	1210	2110	864
						1199137	268.00	269.00	1.00	0.790	21	109	388	563	444
						1199138	269.00	270.00	1.00	4.619	133	766	2650	2600	1190
						1199139	270.00	271.00	1.00	0.872	23	126	438	425	646
						1199140	Blank			#VALUE!	2	< 5	7	4	5
						1199141	271.00	272.00	1.00	0.701	40	53	215	909	682
					appears to be increasing pyrite below ~272m	1199142	272.00	273.00	1.00	0.565	23	64	230	547	464
						1199143	273.00	274.00	1.00	1.406	82	215	646	1070	543
						1199144	274.00	275.00	1.00	2.783	71	671	1470	976	627
						1199145	275.00	276.00	1.00	1.934	64	391	1030	831	647
						1199146	276.00	277.00	1.00	2.072	87	308	1110	1570	517

Drillhole: EB-21-74

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
238.85	281.00	VT GB			Varitextured Gabbro (continued)	1199147	277.00	278.00	1.00	0.317	4	30	114	381	227
						1199148	278.00	279.00	1.00	0.185	15	28	50	22	222
						1199149	279.00	280.00	1.00	0.095	1	3	30	12	149
						1199150	280.00	281.00	1.00	0.956	43	182	457	641	272
					Looks like varitextured gabbro to end of hole, with decreasing but still trace sulphides										
281.00		E.O.H.													

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	319525 & 180067
Target:	VALHALLA / GARDEN GAP; DOWN PLUNGE
Hole Number:	**EB-21-75**
Length:	300m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	404205
UTM Northing:	5141634
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	357m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-08-31
Date Completed:	2021-09-02
Drilling Company:	Vital Drilling
Date Logged:	September 1 to 3
Logged By:	D.Cullen

Downhole Surveys				
Instrument: Reflex				
Depth	Dip	Azimuth	Mag	Comment
12m	-61.5	194.4		corrected az. = 185.2
102m	-61.5	195.4		corrected az. = 186.2
201m	-62.3	197.6		corrected az. = 188.4
300m	-62.4	200.4		corrected az. = 192.2

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments: They're not able to get the magnetic field reading from the Reflex instrument

No samples in this hole; no VT GB intersected

Drillhole: EB-21-75

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.20	CAS			Casing / Overburden										
2.20	77.80	GB(LG)			Gabbro (Leucogabbro)										
					Predominantly gabbro with local narrow intervals of leucogabbro; medium to dark green-grey to locally light green-grey; gabbro is generally medium grained with leucogabbro intervals being coarse grained; massive; very rare, very fine grained flecks of sulphide (chalcopyrite?); bottom 3-4m are leucogabbro; lower contact obscured by broken core										
77.80	81.00	SYEN			Syenite Dyke										
					Reddish-orange; medium grained; massive; moderately broken core; lower contact obscured by broken core										
81.00	138.50	MD			Mafic Dyke										
					Medium green-grey; fine grained; massive										
			91.50	93.60	Gabbro/leucogabbro dyke/inclusion; upper contact obscured by broken core, lower contact sharp at ~15-20° to c.a.										
					Lower contact sharp and regular at 30° to c.a.										
138.50	290.73	GB(LG)			Gabbro (Leucogabbro) - as from 2.20 to 77.80m; very little leucogabbro below 213m										
290.73	300.00	MD			Mafic Dyke - as from 81.00 to 138.50; trace rounded pyrite blebs in top 2-3m										
300.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	EOH Zone drilling north, from the south
Hole Number:	**EB-21-76**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403712
UTM Northing:	5141156
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	371m (?GPS reading)
Planned Collar Orientation:	Az: 360/0; Dip: -70
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-09-03
Date Completed:	2021-09-05
Drilling Company:	Vital Drilling
Date Logged:	September 4 to 6
Logged By:	D.Cullen

Downhole Surveys

Instrument: Reflex

Depth	Dip	Azimuth	Mag	Comment
11m	-69.9	40.2		corrected az. = 31.0
32m	-70.3	4.9		corrected az. = 355.7
101m	-70.2	10.6		corrected az. = 1.4
200m	-69.5	11.5		corrected az. = 2.3
251m	-69.4	11.5		corrected az. = 2.3

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-76

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						1199151	2.00	3.00	1.00	0.143	10	17	17	189	114
0.00	2.00	CAS			Casing / Overburden	1199152	3.00	4.00	1.00	0.098	1	7	7	83	172
						1199153	4.00	5.00	1.00	0.145	5	7	9	207	208
2.00	80.65	VT GB			Varitextured Gabbro	1199154	5.00	6.00	1.00	0.089	1	3	11	34	185
					Mix of gabbro, leucogabbro and melagabbro; top 4-5m could be leucogabbro but difficult to say as contact is gradational; occasional quartz (+/-carb +/-fspr) veins and fractures; fien to coarse grained; medium to light green-grey; massive to locally sheared/foliated; trace chalcopyrite and pyrrhotite, locally up to 2-3% over tens of centimeters, generally fine grained disseminated with local blebs and stringers	1199155	6.00	7.00	1.00	0.098	4	7	26	75	108
						1199156	7.00	8.00	1.00	0.148	7	17	36	197	110
			8.00	19.00	Appears to be a zone of somewhat increased mineralization - locally 2-3% over tens of centimeters; sulphides first noted just below 8m	1199157	8.00	9.00	1.00	0.245	3	66	53	85	258
						1199158	9.00	10.00	1.00	0.157	1	6	36	46	300
						1199159	10.00	11.00	1.00	0.124	1	14	33	38	178
						1199160	Standard CDN-ME-9			7.438	2040	236	1690	6040	8120
						1199161	11.00	12.00	1.00	0.117	5	11	15	112	144
						1199162	12.00	13.00	1.00	0.545	18	109	177	580	266
						1199163	13.00	14.00	1.00	0.508	35	33	100	1080	228
						1199164	14.00	15.00	1.00	0.556	36	29	151	980	321
						1199165	15.00	16.00	1.00	0.837	55	83	282	1060	426
						1199166	16.00	17.00	1.00	0.486	18	57	193	532	237
						1199167	17.00	18.00	1.00	0.602	23	77	271	658	204
						1199168	18.00	19.00	1.00	0.425	14	62	213	298	126
						1199169	19.00	20.00	1.00	0.519	10	69	289	248	253
						1199170	Blank			#VALUE!	< 2	< 5	< 5	3	3
						1199171	20.00	21.00	1.00	0.168	9	12	35	236	156
						1199172	21.00	22.00	1.00	0.193	13	3	12	516	131
						1199173	22.00	23.00	1.00	0.570	16	78	266	515	245
						1199174	23.00	24.00	1.00	0.632	7	111	374	148	284
						1199175	24.00	25.00	1.00	0.315	12	42	138	178	232
						1199176	25.00	26.00	1.00	0.258	9	27	99	254	184
						1199177	26.00	27.00	1.00	0.067	1	3	12	57	115
						1199178	27.00	28.00	1.00	0.063	1	3	14	49	111
						1199179	28.00	29.00	1.00	0.062	1	3	8	56	106
						1199180	29.00	30.00	1.00	0.498	13	64	240	406	264
						1199181	30.00	31.00	1.00	1.598	55	201	734	1740	599
						1199182	Duplicate of 1199181			1.303	70	145	531	1630	503

Drillhole: EB-21-76

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
2.00	80.65	VT GB			Varitextured Gabbro (continued)	1199183	31.00	32.00	1.00	0.205	7	10	21	505	91
						1199184	32.00	33.00	1.00	0.200	3	25	66	244	100
						1199185	33.00	34.00	1.00	0.402	27	28	127	591	202
						1199186	34.00	35.00	1.00	0.067	1	5	3	68	133
						1199187	35.00	36.00	1.00	0.321	6	30	118	397	191
						1199188	36.00	37.00	1.00	0.057	1	8	3	31	124
						1199189	37.00	38.00	1.00	0.091	1	3	3	139	147
						1199190	Standard CDN-ME-9			5.067	143	699	1380	6240	8350
						1199191	38.00	39.00	1.00	0.076	1	7	3	85	142
						1199192	39.00	40.00	1.00	0.081	1	7	3	103	137
						1199193	40.00	41.00	1.00	0.162	1	14	46	164	177
						1199194	41.00	42.00	1.00	0.100	1	3	3	154	176
						1199195	42.00	43.00	1.00	0.077	1	3	9	54	131
						1199196	43.00	44.00	1.00	0.048	1	8	3	12	82
						1199197	44.00	45.00	1.00	0.046	1	6	3	26	77
						1199198	45.00	46.00	1.00	0.067	1	11	6	101	64
						1199199	46.00	47.00	1.00	0.283	29	34	84	336	131
						1199200	Blank			#VALUE!	< 2	< 5	< 5	< 1	1
						1199201	47.00	48.00	1.00	0.063	3	3	3	60	127
						1199202	48.00	49.00	1.00	0.123	7	10	16	209	126
						1199203	49.00	50.00	1.00	0.094	5	3	12	157	118
						1199204	50.00	51.00	1.00	0.064	1	3	8	32	119
						1199205	51.00	52.00	1.00	0.069	1	9	9	21	99
						1199206	52.00	53.00	1.00	0.078	3	9	10	42	99
						1199207	53.00	54.00	1.00	0.101	2	10	12	81	117
						1199208	54.00	55.00	1.00	0.085	1	7	10	76	98
						1199209	55.00	56.00	1.00	0.277	17	29	68	417	176
						1199210	Duplicate of 1199209			0.268	19	32	93	268	152
						1199211	56.00	57.00	1.00	0.057	1	6	14	43	82
						1199212	57.00	58.00	1.00	0.045	1	3	3	7	129
						1199213	58.00	59.00	1.00	0.058	1	3	7	28	126
						1199214	59.00	60.00	1.00	0.217	36	15	38	242	223
						1199215	60.00	61.00	1.00	0.050	1	3	3	27	92
						1199216	61.00	62.00	1.00	0.080	7	3	3	127	104
						1199217	62.00	63.00	1.00	0.111	15	3	3	190	121
						1199218	63.00	64.00	1.00	0.083	15	3	7	91	72
						1199219	64.00	65.00	1.00	0.346	22	66	110	324	132
						1199220	Standard CDN-ME-9			5.018	205	667	1300	6210	8250

Drillhole: EB-21-76

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
2.00	80.65	VT GB			Varitextured Gabbro (continued)	1199221	65.00	66.00	1.00	0.164	15	7	7	235	241
						1199222	66.00	67.00	1.00	0.294	47	11	19	439	265
						1199223	67.00	68.00	1.00	0.508	89	37	25	1010	203
						1199224	68.00	69.00	1.00	0.444	91	12	15	840	233
						1199225	69.00	70.00	1.00	0.441	49	84	17	637	320
						1199226	70.00	71.00	1.00	0.759	132	58	32	1530	403
						1199227	71.00	72.00	1.00	0.253	38	8	8	579	116
						1199228	72.00	73.00	1.00	0.215	25	5	3	603	94
						1199229	73.00	74.00	1.00	0.304	51	7	19	581	144
						1199230	Blank			#VALUE!	< 2	< 5	< 5	3	1
						1199231	74.00	75.00	1.00	0.377	70	13	28	596	243
						1199232	75.00	76.00	1.00	0.601	103	73	83	927	198
						1199233	76.00	77.00	1.00	0.299	52	44	51	275	128
						1199234	77.00	78.00	1.00	0.067	4	3	3	61	86
						1199235	78.00	79.00	1.00	0.196	39	3	3	451	84
						1199236	79.00	80.00	1.00	0.475	105	12	18	972	234
80.65	107.15	MV/VTGB			Mafic Volcanic / Varitextured Gabbro Transition Zone	1199237	80.00	81.00	1.00	0.137	10	3	8	151	251
					It appears the hole was going sub-parallel to the contact between the mafic volcanic below and the varitextured gabbro above - getting a mix of the two with local brecciation and irregular to low-angle contacts; common pyrite mineralization in the mafic volcanic component and a mix of magnetite, pyrite, chalcopyrite and pyrrhotite in the varitextured gabbro (trace overall, locally 3-5% over 2m)	1199238	81.00	82.00	1.00	0.111	2	3	3	110	190
						1199239	82.00	83.00	1.00	0.108	1	3	3	64	210
						1199240	83.00	84.00	1.00	0.109	4	3	3	107	164
						1199241	84.00	85.00	1.00	1.459	166	3	15	4610	757
						1199242	Duplicate of 1199241			1.352	120	3	16	4360	820
						1199243	85.00	86.00	1.00	0.557	28	3	3	1820	312
						1199244	86.00	87.00	1.00	0.128	6	3	3	198	165
						1199245	87.00	88.00	1.00	0.116	9	9	3	160	116
						1199246	88.00	89.00	1.00	0.157	10	18	3	282	119
						1199247	89.00	90.00	1.00	0.128	7	5	3	268	114
						1199248	90.00	91.00	1.00	0.089	5	6	3	115	87
						1199249	91.00	92.00	1.00	0.194	26	3	3	465	98
						1199250	Standard CDN-ME-9			5.040	110	666	1300	6640	8700
						1199251	92.00	93.00	1.00	0.091	3	3	3	105	122
						1199252	93.00	94.00	1.00	0.101	7	7	6	187	63
						1199253	94.00	95.00	1.00	0.173	11	16	12	198	178

Drillhole: EB-21-76

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
80.65	107.15	MV/VTGB			Mafic Volcanic / Varitextured Gabbro Transition Zone (continued)	1199254	95.00	96.00	1.00	0.116	5	12	7	121	118
						1199255	96.00	97.00	1.00	0.068	4	3	3	108	35
						1199256	97.00	98.00	1.00	0.187	24	9	11	281	139
						1199257	98.00	99.00	1.00	0.361	60	13	10	752	211
						1199258	99.00	100.00	1.00	0.857	234	26	15	1510	489
						1199259	100.00	101.00	1.00	0.606	133	26	11	1160	370
						1199260	Blank			#VALUE!	< 2	< 5	< 5	3	2
						1199261	101.00	102.00	1.00	0.177	11	5	3	301	203
						1199262	102.00	103.00	1.00	0.115	9	3	3	138	168
						1199263	103.00	104.00	1.00	0.073	1	3	3	32	149
			104.80	107.15	3-5% magnetite > pyrite > pyrrhotite > chalcopyrite	1199264	104.00	105.00	1.00	0.363	19	5	7	1000	340
						1199265	105.00	106.00	1.00	1.156	45	8	17	2470	1730
					Lower contact sharp and regular at 50° to c.a.; somewhat subjective due to mixing of mafic volcanic and varitextured gabbro	1199266	106.00	107.00	1.00	1.357	106	17	14	4270	722
						1199267	Duplicate of 1199266			1.363	92	12	21	4290	804
107.15	152.42	MV			Mafic Volcanic	1199268	107.00	108.00	1.00	0.392	18	3	7	856	411
					Medium green-grey; fine to medium grained; massive; trace disseminated and stringer pyrite throughout, including one large oval-shaped pod 4-5cm in a quartz pod at 119.7m	1199269	108.00	109.00	1.00	0.084	1	3	3	47	146
						1199270	Standard CDN-ME-9			5.003	138	618	1340	6480	8540
			111.00	115.00	Several narrow intervals/inclusions of syenite; reddish-pink; fine to medium grained; massive	1199271	109.00	110.00	1.00	0.060	1	3	3	2	141
						1199272	110.00	111.00	1.00	0.060	1	3	3	13	130
					Below ~131m get several small inclusions of gabbro/leucogabbro and irregular quartz veins, local magnetite	1199273	111.00	112.00	1.00	0.150	20	3	3	344	53
						1199274	112.00	113.00	1.00	0.134	6	3	3	210	177
					Lower contact sharp and regular at 70° to c.a.										
						1199275	151.00	152.00	1.00	0.331	66	32	42	443	106
152.42	160.60	LG			Leucogabbro Dyke (EOH Zone?)	1199276	152.00	153.00	1.00	0.135	5	13	17	224	71
					Doesn't look like the EOH Zone from previous holes - more leucocratic than the massive mafic dyke seen previously; medium grey; medium to coarse grained with coarse plagioclase; massive with what looks like some mafic inclusions (breccia clasts?); top 0.5m is light bluish-gey siliceous; trace pyrrhotite and chalcopyrite, disseminated and stringers; local magnetite; lower contact gradational	1199277	153.00	154.00	1.00	0.858	85	57	198	1790	226
						1199278	154.00	155.00	1.00	0.085	2	3	3	142	57
						1199279	155.00	156.00	1.00	0.074	1	3	3	99	46
						1199280	Blank			#VALUE!	< 2	3	3	2	< 1

Drillhole: EB-21-76

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
152.42	160.60	LG			Leucogabbro Dyke (EOH Zone?) (continued)	1199281	156.00	157.00	1.00	0.083	3	3	3	100	46
						1199282	157.00	158.00	1.00	0.076	1	3	3	102	32
						1199283	158.00	159.00	1.00	0.122	7	3	3	281	37
						1199284	159.00	160.00	1.00	0.118	3	18	19	117	95
160.60	251.00	FP			Feldspar Porphyry	1199285	160.00	161.00	1.00	0.295	3	100	76	89	204
					Medium green-grey; medium grained with up to 5% irregular greenish-white feldspar phenocrysts up to 2cm; massive; trace chalcopyrite in first 0.5m	1199286	161.00	162.00	1.00	0.159	4	32	43	88	111
									0.00						
						1199287	198.00	199.00	1.00	0.180	3	39	35	174	72
			199.75	200.10	Up to 1% pyrite/chalcopyrite associated with small pods of potassic feldspar (up to 5cm); sampling the interval to check	1199288	199.00	200.00	1.00	0.213	15	33	34	284	85
						1199289	200.00	201.00	1.00	0.211	24	23	19	348	79
						1199290	201.00	202.00	1.00	0.153	3	30	36	100	82
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	EOH ZONE
Hole Number:	**EB-21-77 and Extension**
Length:	200m, extended to 269m Sept 15
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403712
UTM Northing:	5141156
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	371m
Planned Collar Orientation:	Az: 315; Dip: -70
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-09-05, and September 14, 2021
Date Completed:	2021-09-06, and September 15, 2021
Drilling Company:	Vital Drilling
Date Logged:	September 6 to 7, and September 15
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-69.51	330.3		corrected az. = 321.1
101m	-69.9	330.9		corrected az. = 321.7
200m	-69.9	332.6		corrected az. = 323.4
266m	-68.5	334.8		corrected az. = 325.6

Core Storage:	61 Mailloux Rd., Walford, Ontario
Comments:	**Note 2: Hole was extended on September 14-15, 2021**

Drillhole: EB-21-77 and Extension

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						1199291	2.80	4.00	1.20	0.087	1	2.50	12.00	35	171
0.00	2.80	CAS			Casing / Overburden	1199292	4.00	5.00	1.00	0.128	1	8.00	10.00	42	274
						1199293	5.00	6.00	1.00	0.209	1	16.00	46.00	81	372
2.80	79.80	VT GB			Varitextured Gabbro	1199294	6.00	7.00	1.00	0.216	2	32.00	40.00	90	343
					Mix of gabbro, leucogabbro and melagabbro; medium to light grey-green; fine to coarse grained; massive with local weak brecciation and quartz +/- carb +/- fspr veining; looks like could be occasional inclusions of mafic volcanic; trace chalcopyrite and pyrrhotite as fine grained disseminated, stringers and blebs up to 2cm, locally associated with veins	1199295	7.00	8.00	1.00	0.087	1	2.50	22.00	33	135
						1199296	8.00	9.00	1.00	0.103	1	9.00	32.00	41	126
					First chalcopyrite noted at 11.4m, best mineralized zone is ~11.4 to 23m	1199297	9.00	10.00	1.00	0.105	2	6.00	17.00	67	174
						1199298	10.00	11.00	1.00	0.288	3	91.00	59.00	156	232
						1199299	11.00	12.00	1.00	2.136	48	333.00	######	381	403
						1199300	Standard CDN-ME-9			4.995	171	649.00	######	6410	8480
						1199301	12.00	13.00	1.00	1.774	148	278.00	725.00	1590	656
						1199302	13.00	14.00	1.00	1.505	127	175.00	459.00	2350	602
						1199303	14.00	15.00	1.00	0.509	29	66.00	228.00	381	226
						1199304	15.00	16.00	1.00	1.208	66	238.00	423.00	1100	643
						1199305	16.00	17.00	1.00	1.887	49	306.00	907.00	1660	745
						1199306	17.00	18.00	1.00	1.175	43	163.00	563.00	1130	422
						1199307	18.00	19.00	1.00	1.551	70	233.00	667.00	1600	622
						1199308	19.00	20.00	1.00	2.102	152	229.00	770.00	2830	950
						1199309	20.00	21.00	1.00	1.291	79	154.00	571.00	1370	482
						1199310	Blank			#VALUE!	< 2	< 5	< 5	6	3
						1199311	21.00	22.00	1.00	0.825	30	93.00	400.00	822	326
						1199312	22.00	23.00	1.00	0.421	7	74.00	230.00	88	217
						1199313	23.00	24.00	1.00	0.807	13	148.00	478.00	218	278
						1199314	24.00	25.00	1.00	0.454	17	62.00	188.00	402	185
						1199315	25.00	26.00	1.00	0.269	6	21.00	67.00	416	147
						1199316	26.00	27.00	1.00	1.076	46	115.00	378.00	1630	504
						1199317	27.00	28.00	1.00	1.012	31	143.00	491.00	817	440
						1199318	28.00	29.00	1.00	1.340	64	180.00	593.00	1350	505
						1199319	29.00	30.00	1.00	1.219	32	200.00	715.00	543	355
						1199320	Duplicate of 1199319			1.090	34	175.00	618.00	527	360
						1199321	30.00	31.00	1.00	0.978	40	143.00	558.00	513	277
						1199322	31.00	32.00	1.00	0.062	1	2.50	11.00	7	128
						1199323	32.00	33.00	1.00	0.061	1	2.50	11.00	7	129
						1199324	33.00	34.00	1.00	0.103	1	2.50	13.00	152	135

Drillhole: EB-21-77 and Extension

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
2.80	79.80	VT GB			Varitextured Gabbro (continued)	1199325	34.00	35.00	1.00	0.088	1	7.00	14.00	13	158
						1199326	35.00	36.00	1.00	0.117	1	8.00	31.00	24	182
						1199327	36.00	37.00	1.00	0.084	1	8.00	6.00	5	164
						1199328	37.00	38.00	1.00	0.063	1	2.50	7.00	8	124
						1199329	38.00	39.00	1.00	0.168	3	22.00	52.00	66	187
						1199330	Standard CDN-ME-9			4.913	145	637.00	######	6130	8290
						1199331	39.00	40.00	1.00	0.132	8	30.00	30.00	27	120
						1199332	40.00	41.00	1.00	0.176	5	25.00	25.00	229	138
						1199333	41.00	42.00	1.00	0.087	4	2.50	2.50	111	115
						1199334	42.00	43.00	1.00	0.325	28	41.00	48.00	533	190
						1199335	43.00	44.00	1.00	0.113	1	30.00	11.00	62	117
						1199336	44.00	45.00	1.00	0.126	9	10.00	15.00	159	124
						1199337	45.00	46.00	1.00	0.096	6	10.00	11.00	85	108
						1199338	46.00	47.00	1.00	0.121	4	10.00	29.00	123	116
						1199339	47.00	48.00	1.00	0.196	17	2.50	2.50	429	152
						1199340	Blank			#VALUE!	< 2	< 5	< 5	5	1
						1199341	48.00	49.00	1.00	0.813	25	124.00	393.00	641	352
						1199342	49.00	50.00	1.00	0.095	1	6.00	16.00	99	132
						1199343	50.00	51.00	1.00	0.455	21	51.00	175.00	530	254
						1199344	51.00	52.00	1.00	1.460	125	203.00	662.00	1090	556
						1199345	52.00	53.00	1.00	0.474	20	67.00	218.00	357	223
						1199346	53.00	54.00	1.00	0.115	3	10.00	37.00	51	154
						1199347	54.00	55.00	1.00	0.078	7	2.50	11.00	47	136
						1199348	55.00	56.00	1.00	0.175	40	8.00	22.00	136	143
						1199349	56.00	57.00	1.00	0.088	4	2.50	2.50	104	137
						1199350	Duplicate of 1199349			0.095	6	2.50	2.50	112	142
						1199351	57.00	58.00	1.00	0.101	4	8.00	7.00	99	121
						1199352	58.00	59.00	1.00	0.091	4	8.00	8.00	85	108
						1199353	59.00	60.00	1.00	0.082	1	2.50	2.50	82	140
						1199354	60.00	61.00	1.00	0.086	1	2.50	2.50	99	131
						1199355	61.00	62.00	1.00	0.079	2	2.50	2.50	81	128
						1199356	62.00	63.00	1.00	0.103	6	2.50	2.50	135	130
						1199357	63.00	64.00	1.00	0.095	1	5.00	2.50	39	216
						1199358	64.00	65.00	1.00	0.069	1	2.50	2.50	32	136
						1199359	65.00	66.00	1.00	0.102	3	2.50	2.50	86	255
						1199360	Standard CDN-ME-9			4.998	148	664.00	######	6330	8440
						1199361	66.00	67.00	1.00	0.088	4	2.50	2.50	163	66
						1199362	67.00	68.00	1.00	0.178	17	22.00	14.00	289	100

Drillhole: EB-21-77 and Extension															
Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
2.80	79.80	VT GB			Varitextured Gabbro (continued)	1199363	68.00	69.00	1.00	0.292	55	29.00	9.00	461	147
						1199364	69.00	70.00	1.00	0.119	2	14.00	8.00	27	194
						1199365	70.00	71.00	1.00	0.294	43	46.00	21.00	478	106
						1199366	71.00	72.00	1.00	0.141	12	2.50	2.50	343	72
						1199367	72.00	73.00	1.00	0.125	14	2.50	2.50	284	56
						1199368	73.00	74.00	1.00	0.077	2	2.50	2.50	163	46
						1199369	74.00	75.00	1.00	0.090	4	2.50	2.50	168	57
						1199370	Blank			#VALUE!	< 2	2.50	2.50	2	< 1
						1199371	75.00	76.00	1.00	0.108	8	2.50	2.50	207	62
						1199372	76.00	77.00	1.00	0.316	57	24.00	14.00	558	130
						1199373	77.00	78.00	1.00	0.494	94	39.00	37.00	852	214
						1199374	78.00	79.00	1.00	1.381	648	7.00	2.50	1720	138
79.80	107.20	MV/VTGB			Mafic Volcanic / Varitextured Gabbro - Transition Zone?	1199375	79.00	80.00	1.00	0.295	46	23.00	7.00	498	244
					Mix of the varitextured gabbro as described above and medium green, fine grained massive mafic volcanic; sulphides are mainly pyrite in the mafic volcanic component, with sparse pyrrhotite and chalcopyrite in the VT GB, local cpy blebs in quartz veins	1199376	80.00	81.00	1.00	0.057	3	2.50	2.50	66	77
						1199377	81.00	82.00	1.00	0.077	3	2.50	2.50	72	121
						1199378	82.00	83.00	1.00	0.229	35	2.50	2.50	542	153
						1199379	83.00	84.00	1.00	0.354	44	10.00	12.00	827	214
						1199380	Duplicate of 1199379			0.695	114	45.00	74.00	1070	305
						1199381	84.00	85.00	1.00	0.250	48	2.50	2.50	692	50
						1199382	85.00	86.00	1.00	0.047	2	2.50	2.50	112	42
						1199383	86.00	87.00	1.00	0.053	1	2.50	2.50	145	43
						1199384	87.00	88.00	1.00	0.113	8	2.50	2.50	306	51
						1199385	88.00	89.00	1.00	0.123	9	2.50	2.50	331	51
						1199386	89.00	90.00	1.00	0.296	20	6.00	6.00	926	126
						1199387	90.00	91.00	1.00	0.370	51	2.50	2.50	732	202
						1199388	91.00	92.00	1.00	0.024	1	2.50	2.50	27	17
						1199389	92.00	93.00	1.00	0.271	53	6.00	2.50	707	64
						1199390	Standard CDN-ME-9			5.014	107	687.00	######	6220	8860
						1199391	93.00	94.00	1.00	0.125	13	2.50	2.50	286	51
						1199392	94.00	95.00	1.00	0.084	6	6.00	6.00	100	59
						1199393	95.00	96.00	1.00	0.069	8	2.50	2.50	83	34
						1199394	96.00	97.00	1.00	0.205	32	6.00	2.50	417	123
						1199395	97.00	98.00	1.00	0.158	19	9.00	2.50	194	115
						1199396	98.00	99.00	1.00	1.779	1190	2.50	2.50	121	81
						1199397	99.00	100.00	1.00	0.114	19	2.50	2.50	164	79

Drillhole: EB-21-77 and Extension															
Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
79.80	107.20	MV/VTGB			Mafic Volcanic / Varitextured Gabbro - Transition Zone? (continued)	1199398	100.00	101.00	1.00	0.072	15	2.50	2.50	95	33
						1199399	101.00	102.00	1.00	0.117	11	2.50	2.50	118	226
						1199400	Blank			#VALUE!	1	2.50	2.50	2	2
						1199401	102.00	103.00	1.00	0.053	1	2.50	2.50	6	114
						1199402	103.00	104.00	1.00	0.060	1	2.50	2.50	8	135
						1199403	104.00	105.00	1.00	0.063	1	2.50	6.00	11	136
						1199404	105.00	106.00	1.00	0.058	1	2.50	2.50	4	122
						1199405	106.00	107.00	1.00	0.285	15	7.00	8.00	346	488
107.20	167.27	MV			Mafic Volcanic	1199406	107.00	108.00	1.00	0.175	7	2.50	2.50	269	217
					Host is medium green-grey, fine grained, massive, with common purplish-pink siliceous flooding (feldspar?) down to ~152m; brecciated towards lower contact; trace disseminated and stringer pyrite; lower contact sharp and somewhat regular at 30° to c.a.	1199407	108.00	109.00	1.00	0.078	4	2.50	2.50	110	99
						1199408	109.00	110.00	1.00	0.080	3	2.50	2.50	79	124
167.27	200.00	MD			Mafic Dyke (EOH Zone)	1199409	164.00	165.00	1.00	0.076	6	2.50	2.50	150	38
					Looks more like the EOH Zone in hole 52, i.e. massive mafic dyke with ~10% fine to medium grained white-grey grains 2-3mm; occasional clast/inclusions of mafic to intermediate material; trace chalcopyrite and pyrrhotite - generally as patches of disseminated grains and stringers up to 2-3cm; sulphides first noted at 169m, and occur in the last metre of the hole	1199410	Duplicate of 1199409			0.079	6	2.50	2.50	148	42
						1199411	165.00	166.00	1.00	0.082	3	2.50	2.50	125	59
						1199412	166.00	167.00	1.00	0.118	8	2.50	2.50	225	65
						1199413	167.00	168.00	1.00	0.109	7	5.00	2.50	259	49
						1199414	168.00	169.00	1.00	0.110	3	12.00	17.00	163	58
						1199415	169.00	170.00	1.00	0.188	8	17.00	35.00	336	81
						1199416	170.00	171.00	1.00	0.409	26	35.00	111.00	749	129
						1199417	171.00	172.00	1.00	0.129	4	15.00	18.00	183	76
						1199418	172.00	173.00	1.00	0.247	6	52.00	85.00	179	104
						1199419	173.00	174.00	1.00	0.336	5	73.00	126.00	282	115
						1199420	Standard CDN-ME-9			5.005	107	700.00	######	6320	8260
						1199421	174.00	175.00	1.00	0.295	8	62.00	70.00	403	76
						1199422	175.00	176.00	1.00	0.221	2	54.00	71.00	154	96
						1199423	176.00	177.00	1.00	0.164	2	28.00	56.00	87	115
						1199424	177.00	178.00	1.00	0.121	1	20.00	19.00	96	120
						1199425	178.00	179.00	1.00	0.202	48	29.00	25.00	131	68
						1199426	179.00	180.00	1.00	0.254	56	28.00	40.00	185	109
						1199427	180.00	181.00	1.00	0.284	8	40.00	79.00	368	143

Drillhole: EB-21-77 and Extension															
Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						1199428	181.00	182.00	1.00	0.219	5	31.00	58.00	252	126
167.27	200.00	MD			Mafic Dyke (EOH Zone) (continued)	1199429	182.00	183.00	1.00	0.274	7	43.00	88.00	281	133
						1199430	Blank			#VALUE!	< 2	< 5	< 5	4	< 1
						1199431	183.00	184.00	1.00	0.309	14	39.00	89.00	412	147
						1199432	184.00	185.00	1.00	0.257	6	35.00	94.00	238	131
						1199433	185.00	186.00	1.00	0.377	23	41.00	108.00	563	145
						1199434	186.00	187.00	1.00	0.218	13	22.00	49.00	293	130
						1199435	187.00	188.00	1.00	0.374	12	44.00	121.00	546	159
						1199436	188.00	189.00	1.00	0.179	6	19.00	46.00	223	110
						1199437	189.00	190.00	1.00	0.251	6	28.00	73.00	345	137
						1199438	190.00	191.00	1.00	0.267	9	28.00	82.00	358	141
						1199439	191.00	192.00	1.00	0.491	24	57.00	135.00	812	200
						1199440	Duplicate of 1199439			0.466	20	44.00	122.00	842	218
						1199441	192.00	193.00	1.00	0.209	5	31.00	69.00	182	123
						1199442	193.00	194.00	1.00	0.756	71	79.00	296.00	865	177
						1199443	194.00	195.00	1.00	0.864	54	84.00	225.00	1700	249
						1199444	195.00	196.00	1.00	0.672	25	78.00	223.00	1090	220
						1199445	196.00	197.00	1.00	0.648	28	53.00	155.00	1390	223
						1199446	197.00	198.00	1.00	0.405	18	32.00	106.00	790	166
						1199447	198.00	199.00	1.00	0.738	34	108.00	165.00	1390	243
						1199448	199.00	200.00	1.00	0.604	27	58.00	173.00	1130	206
200.00		E.O.H.			**End of Hole; Note: hole ended in the mineralized EOH Zone**										
						905139	200.00	201.00		0.957	41	79.00	300.00	1880	274
					Note 2: Hole was extended on September 14-15, 2021	905140	Standard CDN-ME-9			4.979	143	690.00	######	6320	8230
						905141	201.00	202.00		1.261	55	104.00	355.00	2710	327
200.00	239.15	MD			Mafic Dyke (EOH Zone)	905142		203.00		1.340	60	101.00	379.00	2920	348
					Continued from 167.27 to 200m above	905143		204.00		0.970	39	125.00	309.00	1550	351
						905144		205.00		0.565	23	39.00	168.00	1100	219
					Looks like mineralization could be 0.5 to 1% overall down to ~233m, with occasional intervals that could be 3-5% pyrrhotite and chalcopyrite over intervals varying from 10cm to 1m; po and cpy are often net-textured, stringers and irregular blebs up to several centimetres in length	905145		206.00		0.833	49	94.00	229.00	1550	231
						905146		207.00		0.543	23	52.00	129.00	1130	156
						905147		208.00		0.725	28	69.00	187.00	1480	233
						905148		209.00		0.974	39	75.00	254.00	2150	281
						905149		210.00		1.012	44	65.00	297.00	2170	306
						905150	Blank			#VALUE!	< 2	< 5	< 5	5	< 1
						905151	210.00	211.00		0.920	36	71.00	237.00	2030	288

Drillhole: EB-21-77 and Extension

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
200.00	239.15	MD			Mafic Dyke (EOH Zone) (continued)	905152		212.00		1.552	54	121.00	430.00	3580	351
						905153		213.00		0.697	27	42.00	169.00	1610	198
						905154		214.00		1.337	38	115.00	432.00	2790	336
						905155		215.00		0.956	36	85.00	276.00	2190	173
						905156		216.00		1.779	106	127.00	410.00	4290	388
						905157		217.00		0.866	35	96.00	326.00	1380	169
						905158		218.00		0.879	37	79.00	265.00	1680	282
						905159		219.00		0.197	15	10.00	51.00	290	107
						905160		220.00		1.719	73	137.00	481.00	3820	434
						905161		221.00		1.962	90	145.00	501.00	4540	540
						905162		222.00		1.644	40	120.00	440.00	3540	704
						905163		223.00		0.671	23	67.00	185.00	1360	208
			223.00	227.00	Looks like this interval could be up to 2-3% po and cpy overall	905164		224.00		1.278	55	98.00	338.00	2860	365
						905165		225.00		1.769	57	146.00	545.00	3720	507
						905166	Duplicate of 905165			2.070	175	172.00	573.00	4030	510
						905167	225.00	226.00		2.307	85	207.00	634.00	5150	587
						905168		227.00		1.682	48	163.00	617.00	3060	408
						905169		228.00		2.512	93	238.00	937.00	4880	553
						905170	Standard CDN-ME-9			3.773	131	635.00	######	6260	8280
						905171	228.00	229.00		1.697	49	164.00	643.00	3250	454
						905172		230.00		0.386	11	45.00	144.00	573	187
						905173		231.00		0.893	39	104.00	300.00	1620	276
						905174		232.00		2.045	115	182.00	617.00	4380	519
						905175		233.00		0.612	32	58.00	169.00	1250	227
						905176		234.00		0.404	14	41.00	121.00	762	183
						905177		235.00		0.517	14	72.00	166.00	874	217
			236.00	242.00	Zone of moderately broken/blocky core; doesn't exhibit other features typical of a fault such as gouge or ground/rubbly/pitted core	905178		236.00		0.531	14	56.00	172.00	1040	168
						905179		237.00		0.715	24	92.00	248.00	1260	187
						905180	Blank			#VALUE!	< 2	< 5	< 5	8	2
					Lower contact looks somewhat gradational, obscured by broken core	905181	237.00	238.00		0.852	48	91.00	263.00	1660	197
						905182		239.00		0.314	7	41.00	90.00	543	143
						905183		240.00		0.303	12	26.00	82.00	676	99
						905184		241.00		0.046	1	2.50	5.00	128	16
						905185		242.00		0.175	5	13.00	39.00	482	19
						905186		243.00		0.124	4	10.00	33.00	309	24
						905187		244.00		0.014	1	2.50	2.50	8	6
						905188		245.00		0.019	1	2.50	2.50	25	5

Drillhole: EB-21-77 and Extension															
Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
239.15	269.00	MV			Mafic Volcanic (altered)	905189		246.00		0.023	1	2.50	2.50	23	2
					Variably medium to light grey-greenish-pinkish; fine to medium grained, locally weakly porphyritic with irregular phenocrysts up to 5mm; local moderate to strong epidote alteration; trace pyrite throughout, and chalcopyrite and pyrrhotite mineralization appears to continue from the mafic dyke above, patchy disseminated and stringers/blebs, last noted at 249.2m - trace overall, locally up to 1% over 1m	905190		247.00		0.358	4	32.00	99.00	937	78
						905191	Duplicate of 905190			0.590	8	65.00	196.00	1340	73
						905192	247.00	248.00		1.534	24	119.00	387.00	4310	453
						905193		249.00		1.152	15	119.00	368.00	2770	76
						905194		250.00		0.111	3	7.00	23.00	289	26
						905195		251.00		0.025	1	2.50	2.50	51	4
						905196		252.00		0.019	1	2.50	2.50	24	4
269.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	EOH ZONE
Hole Number:	**EB-21-78**
Length:	338m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403858
UTM Northing:	5141319
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	357m
Planned Collar Orientation:	Az: 315; Dip: -70
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-09-07
Date Completed:	2021-09-10
Drilling Company:	Vital Drilling
Date Logged:	September 8 to 11
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
11m	-68.7	327.5		corrected az. = 318.3
101m	-68.6	331.9		corrected az. = 322.7
200m	-68.5	334.1		corrected az. = 324.9
302m	-68.2	339.2		corrected az. = 330.0
326.4	-68.3	326.4		corrected az. = 317.2
338m	-68.3	337.8		corrected az. = 328.6

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-78

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	5.60	CAS			Casing / Overburden										
5.60	246.30	LG			Leucogabbro										
					Medium to locally lighter grey-green, becoming generally lighter downhole; coarse to medium grained; massive; common leucoxene(?) throughout; very rare fine grained sulphides - less than half a dozen grains noted										
			88.50	90.44	Mafic Dyke; medium grey; very fine grained - aphanitic; massive; upper contact sharp and irregular - subparallel to c.a., lower contact obscured by broken core										
			90.19	90.50	As above; contacts sharp and regular at 60° to c.a.										
						1199449	244.00	245.00	1.00	0.101	1.00	9.00	15.00	42	159
					Lower contact faulted, obscured by broken core	1199450	245.00	246.00	1.00	0.098	1.00	6.00	15.00	52	152
						1199451	246.00	247.00	1.00	0.176	10.00	12.00	24.00	67	336
246.30	312.13	VT GB			Varitextured Gabbro	1199452	247.00	248.00	1.00	0.186	3.00	25.00	38.00	7	294
					Looks like predominantly gabbro/melagabbro with small amount of leucogabbro, mainly in the fault zone at the upper contact (see below); medium to dark green-grey; medium to fine grained; massive with local weak fabric at low core angles; trace chalcopyrite and pyrrhotite overall, fine grained disseminated and occasional medium to coarse blebs and stringers - first noted at 254.1m; trace pyrite towards lower contact	1199453	248.00	249.00	1.00	0.169	1.00	36.00	29.00	14	247
						1199454	249.00	250.00	1.00	0.094	1.00	8.00	18.00	19	173
			246.30		Fault Zone; local brecciation; quartz-carbonate veing and cavity-filling; moderately broken/ground core; 10cm gouge seam at 253.9m; fault zone looks like it could be a mix of leucogabbro, gabbro and melagabbro, so I'm calling it the start of the VT GB	1199455	250.00	251.00	1.00	0.172	1.00	14.00	43.00	16	336
						1199456	251.00	252.00	1.00	0.212	1.00	6.00	74.00	12	407
						1199457	252.00	253.00	1.00	0.180	1.00	8.00	40.00	8	370
						1199458	253.00	254.00	1.00	0.286	5.00	72.00	79.00	26	336
						1199459	254.00	255.00	1.00	2.618	122.00	400.00	1330.00	2270	509
						1199460	Standard CDN-ME-9			5.159	210.00	655.00	1340.00	6350	8790
						1199461	255.00	256.00	1.00	1.560	91.00	211.00	717.00	1560	475
						1199462	256.00	257.00	1.00	0.922	25.00	144.00	521.00	584	201
						1199463	257.00	258.00	1.00	1.233	43.00	223.00	595.00	936	354
						1199464	258.00	259.00	1.00	0.814	53.00	126.00	384.00	606	260
						1199465	259.00	260.00	1.00	1.279	103.00	199.00	417.00	1660	500
						1199466	260.00	261.00	1.00	0.681	108.00	91.00	74.00	1060	492
						1199467	261.00	262.00	1.00	1.881	97.00	237.00	675.00	2960	562
						1199468	262.00	263.00	1.00	3.849	112.00	671.00	2240.00	1800	1070

Drillhole: EB-21-78

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
246.30	312.13	VT GB			Varitextured Gabbro (continued)	1199469	263.00	264.00	1.00	2.008	62.00	397.00	1180.00	595	459
						1199470	Blank			#VALUE!	< 2	< 5	5.00	2	2
						1199471	264.00	265.00	1.00	0.184	3.00	8.00	83.00	42	162
						1199472	265.00	266.00	1.00	0.143	11.00	12.00	12.00	126	169
						1199473	266.00	267.00	1.00	5.055	182.00	1150.00	2920.00	1650	286
						1199474	267.00	268.00	1.00	4.887	208.00	1050.00	2830.00	1560	451
						1199475	268.00	269.00	1.00	2.384	90.00	406.00	1380.00	1170	482
						1199476	269.00	270.00	1.00	5.940	273.00	1040.00	3460.00	2990	679
						1199477	270.00	271.00	1.00	3.156	90.00	509.00	1940.00	1530	503
						1199478	271.00	272.00	1.00	3.992	211.00	677.00	2310.00	1880	537
						1199479	272.00	273.00	1.00	3.216	315.00	520.00	1570.00	2040	445
						1199480	Duplicate of 1199479			6.032	301.00	1070.00	3620.00	2490	435
						1199481	273.00	274.00	1.00	0.097	3.00	2.50	7.00	32	201
						1199482	274.00	275.00	1.00	0.443	10.00	2.50	14.00	1550	174
						1199483	275.00	276.00	1.00	0.558	37.00	69.00	224.00	498	268
						1199484	276.00	277.00	1.00	3.154	192.00	452.00	1770.00	1970	469
						1199485	277.00	278.00	1.00	2.489	112.00	428.00	1340.00	1550	469
						1199486	278.00	279.00	1.00	0.957	146.00	138.00	149.00	1540	296
						1199487	279.00	280.00	1.00	0.172	16.00	27.00	20.00	133	156
						1199488	280.00	281.00	1.00	0.447	15.00	94.00	194.00	225	157
						1199489	281.00	282.00	1.00	0.548	36.00	75.00	256.00	302	250
						1199490	Standard CDN-ME-9			5.150	175.00	710.00	1340.00	6490	8380
						1199491	282.00	283.00	1.00	6.880	341.00	1220.00	4000.00	3360	632
						1199492	283.00	284.00	1.00	0.362	31.00	34.00	94.00	410	323
						1199493	284.00	285.00	1.00	4.017	141.00	738.00	2440.00	1630	398
						1199494	285.00	286.00	1.00	0.923	49.00	177.00	423.00	534	325
						1199495	286.00	287.00	1.00	4.135	187.00	879.00	2370.00	1340	431
						1199496	287.00	288.00	1.00	1.344	72.00	223.00	714.00	690	351
						1199497	288.00	289.00	1.00	0.875	67.00	100.00	369.00	858	281
						1199498	289.00	290.00	1.00	2.969	124.00	538.00	1680.00	1460	464
						1199499	290.00	291.00	1.00	2.001	58.00	460.00	1190.00	212	436
						1199500	Blank			#VALUE!	3.00	< 5	< 5	1	1
						905001	291.00	292.00	1.00	3.544	201.00	892.00	1670.00	1650	483
						905002	292.00	293.00	1.00	0.432	28.00	56.00	155.00	373	249
						905003	293.00	294.00	1.00	0.341	43.00	45.00	45.00	405	261
						905004	294.00	295.00	1.00	0.227	8.00	34.00	73.00	77	227
						905005	295.00	296.00	1.00	0.678	20.00	185.00	308.00	125	233
						905006	296.00	297.00	1.00	0.531	40.00	97.00	153.00	537	207

Drillhole: EB-21-78

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
246.30	312.13	VT GB			Varitextured Gabbro (continued)	905007	297.00	298.00	1.00	0.214	6.00	47.00	58.00	45	191
						905008	298.00	299.00	1.00	1.136	307.00	123.00	383.00	384	194
						905009	Duplicate of 905008			1.591	59.00	314.00	956.00	390	194
			298.50	300.50	Up to 10% coarse grained magnetite	905010	299.00	300.00	1.00	0.435	27.00	82.00	111.00	495	170
						905011	300.00	301.00	1.00	0.326	12.00	77.00	81.00	208	181
						905012	301.00	302.00	1.00	0.152	6.00	21.00	13.00	123	166
						905013	302.00	303.00	1.00	0.155	9.00	8.00	19.00	201	155
						905014	303.00	304.00	1.00	0.213	18.00	11.00	2.50	482	141
						905015	304.00	305.00	1.00	0.098	1.00	11.00	9.00	16	113
						905016	305.00	306.00	1.00	0.094	1.00	2.50	13.00	21	150
						905017	306.00	307.00	1.00	0.127	1.00	18.00	30.00	20	151
					The chalcopyrite content appears to peter out towards lower conatct, with increasing pyrite	905018	307.00	308.00	1.00	0.091	1.00	13.00	10.00	11	96
						905019	308.00	309.00	1.00	0.126	4.00	17.00	18.00	111	68
						905020	Standard CDN-ME-9			4.904	144.00	600.00	1310.00	6250	8510
						905021	309.00	310.00	1.00	0.120	5.00	11.00	20.00	90	84
						905022	310.00	311.00	1.00	0.111	10.00	2.50	2.50	177	58
						905023	311.00	312.00	1.00	0.069	1.00	2.50	14.00	22	61
312.16	338.00	MV			Mafic Volcanic	905024	312.00	313.00	1.00	0.113	5.00	2.50	2.50	256	109
					Medium grey-green; fine grained; massive; moderate irregular variable quartz-carbonate-feldspar veining, with introduction of irregular bluish-grey quartz veining and pods below 320m; several chalcopyrite blebs in veins near upper contact; last possible cpy noted at 322.6m; trace fine to medium grained disseminated pyrite	905025	313.00	314.00	1.00	0.145	10.00	2.50	2.50	400	121
						905026	314.00	315.00	1.00	0.067	3.00	2.50	2.50	97	112
						905027	315.00	316.00	1.00	0.055	1.00	2.50	2.50	72	75
						905028	316.00	317.00	1.00	0.074	4.00	2.50	2.50	140	76
						905029	317.00	318.00	1.00	0.162	6.00	2.50	35.00	326	122
						905030	Blank			#VALUE!	< 2	2.50	< 5	2	< 1
						905031	318.00	319.00	1.00	0.375	18.00	57.00	183.00	250	135
						905032	319.00	320.00	1.00	0.061	1.00	2.50	2.50	48	100
						905033	320.00	321.00	1.00	0.253	5.00	45.00	105.00	38	188
						905034	321.00	322.00	1.00	0.456	20.00	63.00	164.00	479	228
						905035	322.00	323.00	1.00	0.145	10.00	2.50	9.00	286	85
						905036	323.00	324.00	1.00	0.062	1.00	2.50	2.50	81	17
						905037	324.00	325.00	1.00	0.047	1.00	2.50	2.50	33	16
						905038	325.00	326.00	1.00	0.049	1.00	2.50	2.50	52	20
338.00					EOH										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	186833
Target:	GARDEN ZONE
Hole Number:	**EB-21-79**
Length:	272m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	403937
UTM Northing:	5141349
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	355m
Planned Collar Orientation:	Az: 180; Dip: -70
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-09-10
Date Completed:	2021-09-13
Drilling Company:	Vital Drilling
Date Logged:	September 12 to 14
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
8m	-69.6	192.4		corrected az. = 183.2
101m	-68.9	194.9		corrected az. = 185.7
200m	-68.3	193.6		corrected az. = 184.4
251m	-67.2	172.2		corrected az. = 163.0
272m	-67.1	199.2		corrected az. = 190.0

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-79

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.00	CAS			Casing / Overburden										
1.00	160.17	LG/GB			Leucogabbro / Gabbro										
					Looks like variable composition from gabbro to leucogabbro, becoming more leucocratic downhole; medium grey-green; coarse to medium grained; massive; common leucoxene increasing downhole; trace / rare very fine grained sulphide flecks										
					Below ~70m unit appears to be entirely leucogabbro with common leucoxene (up to 2-3%)										
						905039	155.00	156.00	1.00	0.203	7.0	28.0	38.0	103	293
			135.50	141.40	Mafic Dyke; medium green-grey; fine grained to aphanitic; massive with local weak brecciation/fracturing with minor epidote; contacts sharp and regular at 60° to c.a.	905040	156.00	157.00	1.00	0.085	1.0	7.0	9.0	23	139
						905041	157.00	158.00	1.00	0.083	1.0	8.0	9.0	51	141
					Lower contact gradational	905042	158.00	159.00	1.00	0.131	1.0	7.0	34.0	59	209
						905043	159.00	160.00	1.00	0.111	1.0	14.0	22.0	24	193
160.17	204.40	VT GB			Varitextured Gabbro	905044	160.00	161.00	1.00	0.104	1.0	6.0	15.0	36	181
					Appears to be primarily gabbro and melagabbro with lesser leucogabbro - mainly towards top of unit; medium to dark green-grey; fine to coarse grained; massive to locally weakly foliated at 30-40° to c.a.; trace chalcopyrite, pyrrhotite and pyrite, mainly fine grained disseminated with occasional medium to coarse blebs and stringers; cpy first noted at 162m, with more significant mineralization beginning ~166m; pyrite appears to begin ~182m	905045	161.00	162.00	1.00	0.105	1.0	15.0	13.0	30	178
						905046	162.00	163.00	1.00	0.117	1.0	27.0	12.0	43	168
						905047	163.00	164.00	1.00	0.124	1.0	30.0	12.0	55	181
						905048	164.00	165.00	1.00	1.188	30.0	220.0	659.0	534	353
						905049	165.00	166.00	1.00	2.240	54.0	301.0	1430.0	838	689
						905050	Standard CDN-ME-9			4.879	143.0	610.0	1290.0	6340	8260
						905051	166.00	167.00	1.00	2.967	161.0	382.0	1630.0	2090	762
						905052	167.00	168.00	1.00	0.722	39.0	72.0	319.0	695	398
						905053	168.00	169.00	1.00	0.840	28.0	128.0	397.0	564	452
			169.35	175.25	Fault Zone; moderately broken/blocky/ground core; local pitted/vuggy core; occasional narrow gouge seam	905054	169.00	170.00	1.00	0.797	25.0	118.0	416.0	441	384
						905055	170.00	171.00	1.00	1.704	55.0	163.0	700.0	2380	898
						905056	171.00	172.00	1.00	1.690	64.0	165.0	806.0	1860	793
						905057	172.00	173.00	1.00	1.536	65.0	127.0	647.0	2220	618
						905058	173.00	174.00	1.00	1.468	82.0	156.0	629.0	1860	516
						905059	174.00	175.00	1.00	1.530	66.0	167.0	655.0	1910	703

Drillhole: EB-21-79

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
160.17	204.40	VT GB			Varitextured Gabbro (continued)	905060	Blank			#VALUE!	< 2	< 5	< 5	10	5
						905061	175.00	176.00	1.00	1.123	41.0	118.0	499.0	1430	484
						905062	176.00	177.00	1.00	1.496	53.0	192.0	756.0	1410	469
						905063	177.00	178.00	1.00	0.325	28.0	21.0	71.0	501	239
						905064	178.00	179.00	1.00	1.454	79.0	230.0	682.0	1180	481
						905065	179.00	180.00	1.00	0.532	29.0	74.0	242.0	419	212
						905066	180.00	181.00	1.00	1.155	64.0	151.0	533.0	1090	412
						905067	181.00	182.00	1.00	1.259	102.0	132.0	572.0	1220	417
						905068	182.00	183.00	1.00	0.611	25.0	88.0	269.0	496	306
						905069	183.00	184.00	1.00	0.732	35.0	97.0	354.0	575	253
						905070	184.00	185.00	1.00	1.492	67.0	211.0	703.0	1340	468
						905071	Duplicate of 905070			1.567	76.0	214.0	771.0	1340	455
						905072	185.00	186.00	1.00	0.790	39.0	100.0	315.0	833	307
						905073	186.00	187.00	1.00	0.221	13.0	26.0	70.0	285	95
						905074	187.00	188.00	1.00	1.072	47.0	152.0	511.0	946	318
						905075	188.00	189.00	1.00	0.792	29.0	107.0	254.0	1190	329
						905076	189.00	190.00	1.00	0.325	16.0	44.0	75.0	429	198
						905077	190.00	191.00	1.00	0.441	15.0	70.0	132.0	537	182
						905078	191.00	192.00	1.00	0.248	12.0	23.0	42.0	440	151
						905079	192.00	193.00	1.00	0.167	6.0	10.0	18.0	228	112
						905080	Standard CDN-ME-9			4.873	171.0	704.0	1300.0	5910	7730
						905081	193.00	194.00	1.00	0.138	4.0	22.0	24.0	82	108
						905082	194.00	195.00	1.00	0.279	24.0	16.0	24.0	537	180
						905083	195.00	196.00	1.00	0.389	31.0	23.0	53.0	794	205
						905084	196.00	197.00	1.00	0.284	26.0	9.0	23.0	583	155
						905085	197.00	198.00	1.00	0.315	32.0	10.0	24.0	654	195
						905086	198.00	199.00	1.00	0.393	37.0	16.0	45.0	763	246
						905087	199.00	200.00	1.00	0.395	38.0	28.0	74.0	601	225
						905088	200.00	201.00	1.00	0.378	38.0	28.0	85.0	526	177
						905089	201.00	202.00	1.00	0.494	65.0	10.0	26.0	1150	218
						905090	Blank			#VALUE!	< 2	< 5	< 5	2	< 1
					Lower contact gradational	905091	202.00	203.00	1.00	0.255	24.0	15.0	36.0	344	184
						905092	203.00	204.00	1.00	0.162	19.0	2.5	8.0	305	79
						905093	204.00	205.00	1.00	0.036	1.0	2.5	2.5	31	9
						905094	205.00	206.00	1.00	0.128	17.0	2.5	8.0	247	75
						905095	206.00	207.00	1.00	0.038	3.0	2.5	2.5	75	8
						905096	207.00	208.00	1.00	0.046	5.0	2.5	2.5	119	3

Drillhole: EB-21-79

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
204.40	261.06	MV			Mafic Volcanic	905097	234.00	235.00		0.023	1.0	2.5	2.5	6	12
					Medium green-grey; fine grained with occasional narrow (<1m) coarser grained intervals that appear granitic-gabbroic (there appears to be quartz in them as well as feldspar); massive to locally weakly to moderately foliated at 30-45° to c.a.; common bluish quartz veins and flooding, irregualr to parallel to foliation; trace pyrite throughout, with chalcopyrite and pyrrhotite mineralization beginning at 236.3m, commonly fine to medium blebs - generally less than 1 cm but up to 2 cm	905098		236.00		0.165	22.0	30.0	66.0	81	8
						905099		237.00		0.187	29.0	30.0	76.0	74	19
						905100	Duplicate of 905099			0.221	37.0	31.0	90.0	111	18
						905101	237.00	238.00		0.046	1.0	2.5	2.5	1	64
						905102		239.00		0.059	8.0	2.5	2.5	72	34
						905103		240.00		0.192	41.0	2.5	2.5	460	23
						905104		241.00		0.050	1.0	2.5	2.5	26	55
						905105		242.00		0.023	1.0	2.5	2.5	10	3
						905106		243.00		0.022	2.0	2.5	2.5	7	2
						905107		244.00		0.046	12.0	2.5	2.5	54	5
			245.00	261.06	Appears to be the more significant sulphide mineralization	905108		245.00		0.027	1.0	2.5	2.5	34	4
						905109		246.00		0.025	1.0	2.5	2.5	27	4
						905110	Standard CDN-ME-9			5.004	122.0	707.0	1300.0	6450	8270
						905111	246.00	247.00		0.042	6.0	2.5	2.5	66	2
						905112		248.00		0.058	12.0	2.5	2.5	73	7
						905113		249.00		0.269	74.0	2.5	9.0	451	70
						905114		250.00		0.080	20.0	2.5	2.5	135	7
						905115		251.00		0.121	32.0	2.5	2.5	248	6
						905116		252.00		0.067	18.0	2.5	2.5	107	7
						905117		253.00		0.157	70.0	5.0	6.0	126	10
						905118		254.00		0.246	52.0	2.5	2.5	591	23
						905119		255.00		0.178	58.0	2.5	6.0	301	12
						905120	Blank			#VALUE!	< 2	2.5	2.5	2	< 1
						905121	255.00	256.00		0.340	109.0	2.5	2.5	650	29
						905122		257.00		1.071	306.0	2.5	2.5	2670	41
						905123		258.00		0.185	48.0	2.5	2.5	388	17
						905124		259.00		0.334	80.0	2.5	2.5	761	37
					Lower contact gradational / obscured by broken core	905125		260.00		0.218	36.0	2.5	2.5	458	63
						905126		261.00		0.168	20.0	2.5	2.5	350	62
						905127		262.00		0.120	3.0	20.0	15.0	129	40
						905128		263.00		0.134	4.0	21.0	18.0	199	35

Drillhole: EB-21-79

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
261.06	268.90	MD			Mafic Dyke	905129		264.00		0.138	6.0	22.0	17.0	206	33
					Medium green-grey; fine grained; massive; looks typical of the mafic dyke previously hosting the EOH Zone, but there is less chalcopyrite and pyrrhotite in smaller rounded blebs - blebs are up to 3-5mm; trace cpy + po overall	905130	Duplicate of 905129			0.133	7.0	22.0	16.0	184	34
						905131	264.00	265.00		0.134	4.0	23.0	18.0	196	34
						905132		266.00		0.125	5.0	22.0	20.0	127	37
						905133		267.00		0.118	4.0	22.0	16.0	133	33
						905134		268.00		0.145	8.0	23.0	16.0	229	32
268.90	272.00	MV			Mafic Volcanic; as from 204.40 to 261.06; still some cpy and po, but sulphides appear to be mainly pyrite, and decreasing	905135		269.00		0.289	35.0	20.0	16.0	714	34
						905136		270.00		0.589	110.0	2.5	2.5	1710	32
						905137		271.00		0.385	74.0	2.5	2.5	1080	39
						905138		272.00		0.450	96.0	12.0	28.0	1050	43
272.00		E.O.H.			End of Hole										
					Note: the EOH Zone in this hole appears to straddle the mafic volcanic and the mafic dyke, as opposed to being hosted in onlt the mafic dyke as seen in previous holes										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	319526
Target:	GAP ZONE
Hole Number:	**EB-21-80**
Length:	200m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405204
UTM Northing:	5141462
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	366m
Planned Collar Orientation:	Az: 280; Dip: -45
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-09-16
Date Completed:	2021-09-18
Drilling Company:	Vital Drilling
Date Logged:	September 17 to 19
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-46.7	287.2		corrected az. = 278.0
101m	-47.1	293.3		corrected az. = 284.1
200m	-47.4	296.3		corrected az. = 287.1
				corrected az. =

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-80

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.40	CAS			Casing / Overburden										
1.40	25.55	GB/LG			Gabbro / Leucogabbro	905197	23.00	24.00	1.00	3.559	41	1210	1810	494	310
					Appears to be predominantly leucogabbro; medium to light grey-green; medium to coarse grained; massive; no sulphides; lower contact brecciated	905198	24.00	25.00	1.00	0.227	3	34	94	143	150
						905199	25.00	26.00	1.00	0.111	2	12	24	116	90
25.55	114.80	MD			Mafic (Intermediate?) Dyke	905200	26.00	27.00	1.00	0.146	2	22	31	188	96
					Medium to light grey-green; fine grained with numerous inclusions of leucogabbro and gabbro; massive to locally weakly foliated at 45° to c.a.; chalcopyrite first noted at 29.20m, trace overall occurring with pyrrhotite as fine grained disseminated and occasional blebs generall up to ~1 cm	905201	27.00	28.00	1.00	0.320	1	60	145	85	291
						905202	28.00	29.00	1.00	0.162	1	20	66	114	124
			25.55	26.00	Fault Zone; moderately broken/blocky core with moderate iron oxide staining in fractures	905203	29.00	30.00	1.00	0.247	4	38	86	196	224
						905204	30.00	31.00	1.00	0.135	3	12	29	100	220
						905205	31.00	32.00	1.00	0.253	3	30	80	89	494
						905206	32.00	33.00	1.00	0.137	1	7	16	19	476
						905207	33.00	34.00	1.00	0.784	8	180	448	55	335
						905208	34.00	35.00	1.00	0.177	2	30	51	45	254
						905209	35.00	36.00	1.00	0.210	13	7	15	522	148
						905210	Standard CDN-ME-9			4.947	151	669	1300	6280	8160
						905211	36.00	37.00	1.00	1.386	52	184	534	1970	519
						905212	37.00	38.00	1.00	1.109	41	211	383	1340	477
						905213	38.00	39.00	1.00	0.466	10	79	203	273	365
					The more significant mineralization starts about 40m, and goes to ~71m	905214	39.00	40.00	1.00	0.307	10	28	114	409	172
						905215	40.00	41.00	1.00	0.880	32	124	370	1060	269
						905216	41.00	42.00	1.00	0.140	5	17	37	227	63
						905217	42.00	43.00	1.00	0.165	12	18	12	322	100
						905218	43.00	44.00	1.00	0.415	19	40	115	687	236
						905219	44.00	45.00	1.00	1.119	52	148	94	2880	535
						905220	Blank			#VALUE!	1	2..5	3	2	1
						905221	45.00	46.00	1.00	1.325	35	389	155	2360	447
						905222	46.00	47.00	1.00	0.552	14	84	143	936	218
						905223	47.00	48.00	1.00	0.942	79	123	260	1470	296
						905224	48.00	49.00	1.00	0.372	21	48	94	503	218
						905225	49.00	50.00	1.00	0.162	8	3	3	320	179
						905226	50.00	51.00	1.00	0.227	9	13	36	381	220

Drillhole: EB-21-80

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
25.55	114.80	MD			Mafic (Intermediate?) Dyke	905227	51.00	52.00	1.00	0.447	17	53	84	858	251
						905228	52.00	53.00	1.00	0.735	40	121	179	1220	254
						905229	53.00	54.00	1.00	0.271	6	106	53	37	182
						905230	Duplicate of 905229			0.207	4	78	31	23	179
						905231	54.00	55.00	1.00	0.161	9	44	20	23	186
						905232	55.00	56.00	1.00	0.119	9	11	10	53	177
						905233	56.00	57.00	1.00	0.271	6	50	114	63	163
						905234	57.00	58.00	1.00	0.503	14	97	193	429	196
						905235	58.00	59.00	1.00	0.222	8	40	31	263	163
						905236	59.00	60.00	1.00	0.209	11	11	14	493	144
						905237	60.00	61.00	1.00	0.172	4	17	45	248	127
						905238	61.00	62.00	1.00	0.083	4	3	10	121	87
						905239	62.00	63.00	1.00	0.074	3	3	8	99	91
						905240	Standard CDN-ME-9			4.983	171	685	1310	6240	8080
						905241	63.00	64.00	1.00	0.061	3	3	3	49	112
						905242	64.00	65.00	1.00	0.049	1	3	3	21	104
						905243	65.00	66.00	1.00	0.096	2	6	12	120	123
						905244	66.00	67.00	1.00	0.051	1	3	3	22	111
						905245	67.00	68.00	1.00	0.094	5	3	9	159	107
						905246	68.00	69.00	1.00	0.224	10	46	28	293	125
					Chalcopyrite and pyrrhotite mineralization appears to be absent from 70.6m to 90.3m, with increasing pyrite, disseminted and in thin (1-2mm) low angle seams and fractures	905247	69.00	70.00	1.00	0.367	19	41	63	665	243
						905248	70.00	71.00	1.00	0.155	10	6	21	306	137
						905249	71.00	72.00	1.00	0.081	4	3	6	131	105
						905250	Blank			#VALUE!	1	3	3	2	1
						905251	72.00	73.00	1.00	0.107	5	3	13	206	108
			80.00	107.00	Modertely to locally strongly broken/blocky core; locally sheared at variable core angles; local quartz-carbonate veining, irregular and at variable core angles										
						905252	89.00	90.00	1.00	0.047	2	3	3	4	79
			90.30	90.60	~25% chalcopyrite and pyrrhotite in large irregular massive pod up to 20cm in length	905253	90.00	91.00	1.00	#VALUE!	316	2980	9760	> 10000	3620
						905254	91.00	92.00	1.00	0.314	11	45	135	262	145
					Lower contact sharp and irregular										

Drillhole: EB-21-80

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
114.80	154.00	VT GB			Varitextured Gabbro	905255	113.00	114.00	1.00	0.060	1	3	3	29	107
					Mix of gabbro, leucogabbro and melagabbro; medium to light grey-green; medium to coarse grained; massive to commonly moderately foliated at variable core angles from 45° to sub-parallel to core axis; trace chalcopyrite and pyrrhotite overall, starting just below upper contact, fine grained disseminated with occasional coarse blebs up to several centimetres	905256	114.00	115.00	1.00	0.083	3	3	3	149	89
						905257	115.00	116.00	1.00	0.124	5	3	3	233	99
						905258	116.00	117.00	1.00	0.170	7	3	6	412	107
						905259	117.00	118.00	1.00	0.253	13	7	9	675	132
						905260	Duplicate of 905259			0.265	14	7	7	719	139
						905261	118.00	119.00	1.00	0.142	5	3	3	290	109
						905262	119.00	120.00	1.00	0.123	4	3	3	246	94
						905263	120.00	121.00	1.00	0.109	3	3	3	212	80
						905264	121.00	122.00	1.00	0.106	3	3	3	205	82
						905265	122.00	123.00	1.00	0.103	3	3	6	178	77
						905266	123.00	124.00	1.00	0.122	4	3	5	260	83
						905267	124.00	125.00	1.00	0.106	3	3	3	207	85
						905268	125.00	126.00	1.00	0.101	1	3	3	201	81
						905269	126.00	127.00	1.00	0.117	3	3	3	245	88
						905270	Standard CDN-ME-9			4.955	147	697	1280	6280	8160
						905271	127.00	128.00	1.00	0.118	4	3	6	217	99
						905272	128.00	129.00	1.00	0.125	8	3	3	270	68
						905273	129.00	130.00	1.00	0.115	4	3	3	237	86
						905274	130.00	131.00	1.00	0.157	8	3	3	373	105
						905275	131.00	132.00	1.00	0.194	11	3	3	510	115
						905276	132.00	133.00	1.00	0.220	10	11	7	547	125
						905277	133.00	134.00	1.00	0.137	7	3	3	309	106
						905278	134.00	135.00	1.00	0.173	11	7	6	357	121
						905279	135.00	136.00	1.00	0.911	59	124	83	2100	377
						905280	Blank			#VALUE!	< 2	< 5	< 5	2	1
						905281	136.00	137.00	1.00	0.686	36	142	67	1320	294
						905282	137.00	138.00	1.00	0.952	59	80	85	2430	509
						905283	138.00	139.00	1.00	0.786	47	91	71	1820	470
						905284	139.00	140.00	1.00	0.949	77	160	117	1740	473
						905285	140.00	141.00	1.00	0.854	47	94	97	1900	520
						905286	Duplicate of 905285			0.829	45	87	85	1920	495
						905287	141.00	142.00	1.00	0.832	48	101	100	1800	503
						905288	142.00	143.00	1.00	0.673	35	65	55	1530	542

Drillhole: EB-21-80

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
						905289	143.00	144.00	1.00	0.134	8	3	3	294	87
	154.00	VT GB			Varitextured Gabbro (continued)	905290	144.00	145.00	1.00	0.105	3	13	12	151	80
114.80						905291	145.00	146.00	1.00	0.218	22	13	18	417	149
						905292	146.00	147.00	1.00	0.902	60	27	34	2960	310
						905293	147.00	148.00	1.00	0.389	14	30	34	799	321
						905294	148.00	149.00	1.00	0.491	11	65	84	723	613
						905295	149.00	150.00	1.00	1.538	25	44	47	1820	1850
						905296	150.00	151.00	1.00	0.507	22	56	57	1090	344
						905297	151.00	152.00	1.00	0.341	13	31	37	739	258
						905298	152.00	153.00	1.00	0.117	6	3	8	251	105
	185.15	MD			Mafic Dyke	905299	153.00	154.00	1.00	0.310	11	16	37	708	218
154.00					Medium grey-green; fine grained to locally aphanitic (appears to be aphanitic inclusions - volcanic?); massive; trace pyrite, disseminated and stringers; lower contact sharp and regular at 60° to c.a.	905300	Standard CDN-ME-9			4.899	116	652	1320	6300	8150
						905301	154.00	155.00	1.00	0.344	10	29	80	587	265
						905302	155.00	156.00	1.00	1.291	85	133	373	2530	296
						905303	156.00	157.00	1.00	0.197	9	15	34	451	74
						905304	157.00	158.00	1.00	0.230	14	35	50	302	82
	197.15	FI(?)			Felsic Intrusive(?) Dyke?										
185.15					Looks like a highly siliceaous, banded felsic dyke - possibly intruding mafic volcanic; common bands of mafic volcanic-looking material; siliceous material varies from buff-pink feldspar to grey and bluish-grey quartz makes up ~60% of unit; banding commonly at 50-60° to c.a.; trace disseminated pyrite; lower contact obscured by broken core										
	200.00	MV			Mafic Volcanic										
197.15					Medium to dark green; fine grained; massive; trace pyrite										
		E.O.H.			End of Hole										
200.00															

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	319526
Target:	GAP ZONE
Hole Number:	**EB-21-81**
Length:	161.6m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405207
UTM Northing:	5141492
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	361m
Planned Collar Orientation:	Az: 280; Dip: -45
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-10-05
Date Completed:	2021-10-07
Drilling Company:	Vital Drilling
Date Logged:	October 23 to 24
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	-45.9	290.4	54088	corrected az. = 281.2
100m	-45.5	287.0	54428	corrected az. = 277.8
				corrected az. =
				corrected az. =

Core Storage:	61 Mailloux Rd., Walford, Ontario
Comments:	Hole abandoned due to bad ground

Drillhole: EB-21-81

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.00	CAS			Casing / Overburden										
2.00	24.38	LG			Leucogabbro										
					Medium to light grey-green; medium to coarse grained; no sulphides; lower contact sharp and regular at 80-85° to c.a.										
24.38	40.90	M/DD			Mafic / Diabase Dyke										
					Medium to light green-grey; fine grained, with rare phenocrysts several mm to 1cm; massive, becoming weakly to moderately foliated at 35m, foliation at 45° to c.a.; appears to be mix of massive fine grained mafic dyke and typical salt and pepper textured diabase; trace pyrite stringers and blebs parallel to folaition, with quartz veinlets; upper contact zone broken/blocky with hematite staining and occasional small leucogabbro inclusions; lower contact sharp and irregular										
40.90	74.35	LG			Leucogabbro as from 2.00 to 24.38m, generally all coarse grained; lower contact sharp and regular at 45° to c.a.										
74.35	108.00	DD			Diabase Dyke	905548	106.00	107.00	1.00	0.041	1	9	9	241	34
					As from 24.38 to 40.90m but much more predominantly diabase; locally weakly porhyritic with small (~5mm) rounded plagioclase/epidote phenocrysts; lower contact obscured by broken core	905549	107.00	108.00	1.00	0.050	3	10	11	214	45
						905550	Blank			#VALUE!	< 2	< 5	< 5	< 1	< 1
108.00	161.60	VT GB			Varitextured Gabbro	905551	108.00	109.00	1.00	0.241	1	29	115	46	327
					Mix of leucogabbro, gabbro and lesser melagabbro; medium to light green-grey (rarely dark); medium to coarse grained, locally fine; massive; trace/rare fine grained disseminated chalcopyrite and pyrrhotite	905552	109.00	110.00	1.00	0.135	7	13	11	40	374
						905553	110.00	111.00	1.00	0.200	1	32	52	42	344
161.60		E.O.H.			End of Hole	905554	111.00	112.00	1.00	0.145	1	26	41	53	286
						905555	112.00	113.00	1.00	1.823	25	728	709	73	504
					Note: Hole was stopped early due to squeezing in the hole	905556	113.00	114.00	1.00	0.979	7	465	204	40	421
						905557	114.00	115.00	1.00	2.890	51	779	1480	34	332
						905558	115.00	116.00	1.00	0.214	7	82	55	160	99
						905559	116.00	117.00	1.00	0.176	3	61	40	97	103
						905560	Duplicate of 905559			0.198	4	69	43	89	100
						905561	117.00	118.00	1.00	0.193	9	66	41	43	106
						905562	118.00	119.00	1.00	0.411	10	118	149	103	150
						905563	119.00	120.00	1.00	0.156	3	56	29	88	101

Drillhole: EB-21-81

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
108.00	161.60	VT GB			Varitextured Gabbro (continued)	905564	120.00	121.00	1.00	0.526	10	200	141	231	172
						905565	121.00	122.00	1.00	0.109	10	11	18	246	104
						905566	122.00	123.00	1.00	0.130	8	10	19	237	61
						905567	123.00	124.00	1.00	0.080	13	12	15	220	75
						905568	124.00	125.00	1.00	0.080	6	16	22	204	73
						905569	125.00	126.00	1.00	0.753	43	211	394	603	115
						905570	Standard CDN-ME-9			3.686	190	695	1310	6040	7950
						905571	126.00	127.00	1.00	0.544	22	141	296	590	128
						905572	127.00	128.00	1.00	1.725	32	742	599	619	213
						905573	128.00	129.00	1.00	0.628	13	89	179	423	330
						905574	129.00	130.00	1.00	0.412	9	36	40	458	364
						905575	130.00	131.00	1.00	1.868	79	382	978	2680	650
						905576	131.00	132.00	1.00	1.402	49	327	673	1960	512
						905577	132.00	133.00	1.00	0.612	17	142	127	678	340
						905578	133.00	134.00	1.00	0.544	29	120	58	573	368
						905579	134.00	135.00	1.00	0.484	22	47	32	328	284
						905580	Blank			#VALUE!	< 2	< 5	< 5	1	< 1
						905581	135.00	136.00	1.00	0.515	3	30	34	172	266
						905582	136.00	137.00	1.00	0.635	15	103	95	706	421
						905583	137.00	138.00	1.00	0.522	8	44	31	392	387
						905584	138.00	139.00	1.00	0.608	39	123	100	2250	670
						905585	139.00	140.00	1.00	0.444	20	94	76	948	435
						905586	140.00	141.00	1.00	0.612	27	153	93	1050	498
						905587	141.00	142.00	1.00	0.995	55	225	256	2370	742
						905588	142.00	143.00	1.00	0.674	65	85	92	2920	948
						905589	143.00	144.00	1.00	0.744	65	99	105	3230	894
						905590	Duplicate of 905589			0.683	71	90	103	3560	936
						905591	144.00	145.00	1.00	0.954	75	168	156	3330	1200
						905592	145.00	146.00	1.00	0.774	69	83	90	3090	1250
						905593	146.00	147.00	1.00	0.668	50	83	92	2070	816
						905594	147.00	148.00	1.00	0.582	35	73	78	1660	613
						905595	148.00	149.00	1.00	0.582	42	73	81	1760	566
						905596	149.00	150.00	1.00	0.526	44	52	66	1700	538
						905597	150.00	151.00	1.00	0.724	58	83	108	2400	716
						905598	151.00	152.00	1.00	0.585	30	59	66	1420	600
						905599	152.00	153.00	1.00	0.568	27	76	72	1240	576
						905600	Standard CDN-ME-9			3.658	142	706	1320	6130	8010
						905601	153.00	154.00	1.00	0.725	46	79	90	1770	633

Drillhole: EB-21-81

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
108.00	161.60	VT GB			Varitextured Gabbro (continued)	905602	154.00	155.00	1.00	0.800	48	106	109	2050	860
						905603	155.00	156.00	1.00	0.723	37	127	99	1510	723
						905604	156.00	157.00	1.00	0.745	19	78	62	837	548
						905605	157.00	158.00	1.00	0.364	9	3	3	324	227
						905606	158.00	159.00	1.00	0.458	9	16	17	351	368
						905607	159.00	160.00	1.00	0.827	27	106	95	1170	594
						905608	160.00	161.00	1.00	0.616	11	52	40	597	421
						905609	161.00	161.60	0.60	0.660	15	76	87	784	520
161.60		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	319526
Target:	GAP ZONE
Hole Number:	**EB-21-81a**
Length:	144m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405207
UTM Northing:	5141492
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	
Planned Collar Orientation:	Az: 280; Dip: -45
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-10-08
Date Completed:	2021-10-10
Drilling Company:	Vital Drilling
Date Logged:	October 14 to 15
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
11m	-47.3	287.5	54304	corrected az. = 278.3
101m	-47.4	289.4	54414	corrected az. = 280.2
				corrected az. =
				corrected az. =

Core Storage:	61 Mailloux Rd., Walford, Ontario
Comments:	**Note: Hole abandoned early due to bad ground/squeezing**

Drillhole: EB-21-81a

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.40	CAS			Casing / Overburden										
1.40	25.10	LG			Leucogabbro										
					Medium to light grey-green; coarse to medium grained; massive; no sulphides; lower contact obscured by broken core										
25.10	42.40	M/DD			Mafic / Diabase Dyke										
					Medium to light green-grey; fine grained; massive to locally moderately foliated at ~50 ° to c.a.; trace disseminated and stringer pyrite; appears to be a mix of typical salt and pepper textured diabase and massive mafic dyke; upper contact is moderately sheared with broken/blocky core and iron oxide staining; lower contact gradational										
42.40	75.60	LG			Leucogabbro										
					As from 1.40 to 25.10m with local intervals more gabbroic in composition; no sulphides; lower contact sharp and regular at 45° to c.a.										
75.60	107.30	DD			Diabase / Mafic Dyke	905305	104.00	105.00	1.00	0.075	18	10	18	324	34
					As from 25.10 to 42.40m above, but much more predominantly diabase; locally weakly porphyritic with small (~5mm) rounded plagiocalse/epidote phenocrysts - locally appear to be replaced by pyrite/pyrrhotite; lower contact sharp and somewhat regular at 30-35° to c.a.	905306	105.00	106.00	1.00	0.064	14	11	10	343	34
						905307	106.00	107.00	1.00	0.109	12	21	18	325	58
107.30	143.65	VT GB			Varitextured Gabbro	905308	107.00	108.00	1.00	1.715	54	324	796	1050	435
					Mix of leucogabbro, gabbro and melagabbro; medium green-grey; medium to coarse grained, locally fine; massive; trace, somewhat rare chalcopyrite and pyrrhotite, fine grained disseminated with rare coarser blebs up to ~1cm, and stringers	905309	108.00	109.00	1.00	1.316	60	265	193	522	471
						905310	109.00	110.00	1.00	0.639	26	118	58	184	241
143.65		E.O.H.			End of Hole	905311	110.00	111.00	1.00	0.335	19	111	133	344	78
						905312	111.00	112.00	1.00	0.205	7	66	76	159	82
					Note: Hole abandoned early due to bad ground/squeezing	905313	112.00	113.00	1.00	0.167	6	43	62	122	90
						905314	113.00	114.00	1.00	0.145	6	56	36	97	88
						905315	114.00	115.00	1.00	2.590	35	948	1330	228	86
						905316	115.00	116.00	1.00	0.173	15	56	44	364	81
						905317	116.00	117.00	1.00	10.000	169	2390	6450	2620	607
						905318	117.00	118.00	1.00	0.671	28	153	84	1010	525
						905319	118.00	119.00	1.00	1.007	27	146	388	732	430

Drillhole: EB-21-81a

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
107.30	143.65	VT GB			Varitextured Gabbro	905320	Standard CDN-ME-9			3.756	170	676	1330	6300	8420
						905321	119.00	120.00	1.00	0.301	3	50	34	110	214
						905322	120.00	121.00	1.00	0.399	12	79	81	239	245
						905323	121.00	122.00	1.00	0.836	7	212	242	42	310
						905324	122.00	123.00	1.00	0.279	1	22	16	42	232
						905325	123.00	124.00	1.00	0.293	8	44	39	189	173
						905326	124.00	125.00	1.00	0.336	3	67	49	95	250
						905327	125.00	126.00	1.00	0.388	13	52	83	414	187
						905328	126.00	127.00	1.00	0.370	11	41	55	293	256
						905329	127.00	128.00	1.00	0.256	1	29	36	38	205
						905330	Blank			#VALUE!	< 2	< 5	< 5	6	2
						905331	128.00	129.00	1.00	0.256	4	22	36	94	227
						905332	129.00	130.00	1.00	0.569	1	149	142	59	274
						905333	130.00	131.00	1.00	0.408	15	88	94	607	308
						905334	131.00	132.00	1.00	0.223	1	10	13	75	215
						905335	132.00	133.00	1.00	0.193	1	10	18	90	215
						905336	133.00	134.00	1.00	0.166	4	6	13	290	324
						905337	134.00	135.00	1.00	0.316	11	40	60	370	217
						905338	135.00	136.00	1.00	0.393	21	20	18	664	237
						905339	136.00	137.00	1.00	1.223	20	311	554	798	355
						905340	Duplicate of 905340			0.987	24	212	384	979	383
						905341	137.00	138.00	1.00	1.039	48	228	237	1950	696
						905342	138.00	139.00	1.00	0.393	13	65	52	553	324
						905343	139.00	140.00	1.00	0.443	12	71	41	604	347
						905344	140.00	141.00	1.00	0.476	19	71	60	1010	505
						905345	141.00	142.00	1.00	0.482	23	69	69	1300	528
						905346	142.00	143.00	1.00	0.515	20	86	82	1000	527
						905347	143.00	143.65	0.65	0.471	24	70	85	1100	525

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	125378 & 226068
Target:	VALHALLA EXTENSION
Hole Number:	**EB-21-82**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	405864
UTM Northing:	5141674
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	372m
Planned Collar Orientation:	Az: 180; Dip: -45
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-10-14
Date Completed:	2021-10-16
Drilling Company:	Vital Drilling
Date Logged:	October 16 to 17
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	46.1	193.3	54951	corrected az. = 184.1
101m	47.1	191.1	54144	corrected az. = 181.9
200m	47.1	193.8	54091	corrected az. = 184.6
251m	-46.9	193.8	54298	corrected az. = 184.6

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-82

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	2.00	CAS			Casing / Overburden										
2.00	82.50	GB			Gabbro										
					Medium grey-green to locally reddish due to hematite staining; medium grained; massive; common fracturing at variable core angles - core is very blocky overall with poor RQDs; local narrow mafic dykes (<1m); no sulphides;										
			46.00	50.00	Within this interval there are 2 blocks labelled "Bad Ground - 2 Feet Missing"; broken/blocky/ground core; local quartz veining and quartz-feldspar brecciation; 10cm gouge seam										
					Unit appears to be becoming more leucocratic towards lower contact; coarser grained; lower contact irregular, brecciated										
						905348	93.00	94.00	1.00	0.075	1	3	3	46	78
82.50	94.80	MD			Mafic Dyke	905349	94.00	95.00	1.00	0.085	1	3	3	96	90
					Medium grey; fine grained; massive with common fractures (irregular) with quartz-carbonate +/- hematite; trace pyrite in coarse blebs; lower contact appears somewhat gradational - obscured by broken core	905350	Standard CDN-ME-9			3.640	136	666	1340	6320	8300
						905351	95.00	96.00	1.00	0.065	1	3	3	45	106
94.80	98.30	MG			Melagabbro (Varitextured Gabbro?)	905352	96.00	97.00	1.00	0.112	1	8	21	247	130
					Appears to be a dark green-grey melagabbro; fine to medium grained; massive; trace chalcopyrite in small blebs up to several centimetres - no other sulphides noted; lower contact sharp and irregular at ~80° to c.a.	905353	97.00	98.00	1.00	0.052	1	3	10	130	82
						905354	98.00	99.00	1.00	0.076	1	3	6	152	55
98.30	104.56	DD			Diabase Dyke	905355	99.00	100.00	1.00	0.118	2	6	5	388	53
					Medium grey; fine to medium grained; massive, with typical salt and pepper texture; trace chalcopyrite in several blebs up to 1cm, and stringers with fractures	905356	100.00	101.00	1.00	0.085	1	5	5	200	54
						905357	101.00	102.00	1.00	0.097	4	5	6	253	55
104.56	121.65	MV			Mafic Volcanic	905358	102.00	103.00	1.00	0.094	1	5	6	161	55
					Medium green-grey; fine to medium grained - more medium grained in middle of unit - possibly a dyke(?); massive to weakly foliated/flow-banded at 60-80 ° to c.a. down to ~113m; blue quartz veins parallel to flow banding in top of unit										
			105.70	107.50	Strongly broken/blocky/ground core										
					Lower contact sharp and regular at 85° to c.a.										

Drillhole: EB-21-82

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
121.65	132.04	DD			Diabase Dyke as from 98.30 to 104.56m; massive; no sulphides; lower contact marked by quartz vein ~2cm wide with coarse pyrite at 60° to c.a.										
						905359	148.00	149.00	1.00	#VALUE!	<2	< 5	< 5	48	108
132.04	224.50	MV			Mafic Volcanic	905360	Blank			0.009	1	3	3	6	2
					Medium green-grey; fine grained; massive; local narrow zones of alteration consisting of +/- quartz +/- feldspar +/- epidote; local patches of massive to semi-massive pyrrhotite and pyrite (no chalcopyrite noted), often associated with the alteration zones	905361	149.00	150.00	1.00	0.062	3	3	5	168	138
						905362	150.00	151.00	1.00	0.092	1	3	6	377	143
			149.00	165.00	3-5% pyrrhotite and pyrite overall, mainly in patches of massive to semi-massive, and also stringers and disseminated; po>>py	905363	151.00	152.00	1.00	0.075	1	3	3	53	88
					includes: 153.52 - 153.80: 40-45% massive to semi-massive po>>py with blue quartz	905364	152.00	153.00	1.00	0.108	4	11	10	758	168
					161.80 - 162.85: ~40% massive to semi-massive po>>py	905365	153.00	154.00	1.00	0.144	1	3	8	322	546
						905366	154.00	155.00	1.00	0.146	2	7	12	685	270
			170.00	178.00	Porphyry - possibly a dyke or separateflow; <5% irregular plagioclase phenocrysts up to 3cm	905367	155.00	156.00	1.00	0.358	2	24	60	1220	486
						905368	156.00	157.00	1.00	0.273	1	3	15	245	220
					Sulphides largely absent by ~185m	905369	157.00	158.00	1.00	0.111	3	10	18	774	195
					Lower contact somewhat sharp/regular at 60° to c.a.	905370	158.00	159.00	1.00	0.082	1	3	7	436	183
						905371	159.00	160.00	1.00	0.058	1	3	3	38	86
						905372	160.00	161.00	1.00	0.048	1	3	3	74	62
						905373	161.00	162.00	1.00	0.103	1	9	11	423	337
						905374	162.00	163.00	1.00	0.507	6	35	95	1970	1390
						905375	Duplicate of 905374			0.491	4	35	94	2200	1370
						905376	163.00	164.00	1.00	0.050	1	3	8	841	184
						905377	164.00	165.00	1.00	0.119	1	6	10	738	251
						905378	165.00	166.00	1.00	0.132	1	3	3	49	134
224.50	251.00	GB			Gabbro										
					Medium green-grey; medium grained; massive										
251.00		E.O.H.			End of Hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	292705
Target:	VALHALLA EXT
Hole Number:	**EB-21-83**
Length:	242m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	406358
UTM Northing:	5141836
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	378m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-10-17
Date Completed:	2021-10-19
Drilling Company:	Vital Drilling
Date Logged:	October 18 to 20
Logged By:	D.Cullen

Downhole Surveys

Instrument:

Depth	Dip	Azimuth	Mag	Comment
14m	59.8	190.0	55209	corrected az. = 180.2
101m	-59.9	193.3	54501	corrected az. = 184.1
200m	-59.7	196.3	54703	corrected az. = 187.1
242m	-58.4	198.5	55323	corrected az. = 189.3

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments: Hole was supposed to stop at 251m but hit bad ground

Hole ended in weakly mineralized VT GB

Drillhole: EB-21-83

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	1.30	CAS			Casing / Overburden										
1.30	11.25	LG(GB?)			Leucogabbro (Gabbro?)										
					Light to medium grey-pink (due to either potassic feldpsar or potassic/hematite alteration); coarse to medium grained; massive; no sulphides; lower contact sharp and regular at 35° to c.a.										
11.25	23.95	MD			Mafic Dyke										
					Possibly diabase; locally weakly porphyritic with vague/ghost phenocrysts up to ~1cm; medium grey; massive; generally blocky/broken core, with strongly broken core from 21m to 23.95m; lower contact obscured by broken core										
23.95	28.90	LG(GB?)			Leucogabbro as from 1.30 to 11.25m but no coarse grained material - medium grained; lower contact sharp and regular at 35° to c.a.										
			27.90	28.70	Fault zone; vuggy, pitted, sheared, soft crumbly core										
28.90	37.25	MD			Mafic Dyke as from 11.25 to 23.95m with phenocrysts more common and up to several centimetres in size; lower contact sharp and somewhat regular at 40° to c.a.										
37.25	153.43	LG			Leucogabbro as from 23.95 to 28.90m (i.e. medium grained); common irregular quartz-carbonate fractures and veins/veinlets at variable core angles; downhole unit begins to look more like a typical East Bull leucogabbro - coarser grained, light to medium grey-green (pink colour is gone by 100m); lower contact sharp and regular at 55° to c.a.										
153.43	172.40	M/DD			Mafic / Diabase Dyke										
					Medium grey; fine to medium grained; massive; commonly exhibits typical salt and pepper texture; no sulphides; lower contact obscured by broken/ground core										
172.40	191.70	LG			Leucogabbro										
					As from 37.25 to 153.43m; lower contact sharp and regular										
						905379	188.00	189.00	1.00	0.147	21	7	21	88	137
						905380	Standard CDN-ME-9			3.684	144	696	1330	6240	8210
						905381	189.00	190.00	1.00	0.268	9	79	78	178	139
						905382	190.00	191.00	1.00	1.586	11	305	1130	362	145
						905383	191.00	192.00	1.00	1.451	12	462	725	139	253

Drillhole: EB-21-83

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
191.70	242.00	VT GB			Varitextured Gabbro	905384	192.00	193.00	1.00	0.841	32	166	368	36	225
					Mix of leucogabbro, gabbro and melagabbro; light to dark green-grey; fine to coarse grained; massive; local narrow fault seams up to several centimetres wide; trace chalcopyrite and pyrite first noted at 197.4m, fine grained disseminated with rare stringers	905385	193.00	194.00	1.00	0.692	51	141	201	14	226
						905386	194.00	195.00	1.00	0.345	30	62	74	60	204
						905387	195.00	196.00	1.00	0.591	24	111	204	198	299
						905388	196.00	197.00	1.00	0.955	16	242	463	345	378
						905389	197.00	198.00	1.00	1.759	110	681	592	352	296
						905390	Blank			#VALUE!	< 2	< 5	< 5	< 1	2
						905391	198.00	199.00	1.00	0.746	47	191	255	524	215
						905392	199.00	200.00	1.00	1.045	45	289	349	663	512
						905393	200.00	201.00	1.00	2.488	158	568	971	2010	677
						905394	201.00	202.00	1.00	1.047	41	283	406	725	222
						905395	202.00	203.00	1.00	3.579	217	682	1500	3200	1150
						905396	203.00	204.00	1.00	1.402	58	198	455	2140	769
						905397	204.00	205.00	1.00	0.583	48	67	127	958	384
						905398	205.00	206.00	1.00	1.676	90	234	388	3190	818
						905399	Duplicate of 905398			2.214	98	378	688	3320	908
						905400	206.00	207.00	1.00	1.529	96	438	331	1740	542
						905401	207.00	208.00	1.00	1.236	85	229	246	2010	612
					Below ~209m common intervals of up to 2m of moderately to strongly broken/blocky core with local seams of fault gouge; appear to get intermittent volcanics mixed with varitextured gabbro, with blue-grey quartz veins/beds parallel to bedding/foliation at 50-60 ° to c.a.	905402	208.00	209.00	1.00	1.103	62	206	235	1800	560
						905403	209.00	210.00	1.00	0.344	21	48	77	558	162
						905404	210.00	211.00	1.00	0.044	1	3	3	28	59
						905405	211.00	212.00	1.00	0.071	1	6	17	44	69
						905406	212.00	213.00	1.00	0.077	1	3	3	84	73
						905407	213.00	214.00	1.00	0.045	1	3	3	6	56
						905408	214.00	215.00	1.00	0.073	1	3	6	78	125
						905409	215.00	216.00	1.00	0.089	1	3	3	124	129
						905410	Standard CDN-ME-9			4.994	183	641	1320	6270	8290
						905411	216.00	217.00	1.00	0.076	1	3	7	84	89
						905412	217.00	218.00	1.00	0.096	1	10	32	56	71
						905413	218.00	219.00	1.00	0.109	4	3	9	193	120
						905414	219.00	220.00	1.00	0.136	6	3	12	257	87
						905415	220.00	221.00	1.00	0.088	1	3	11	108	72

Drillhole: EB-21-83

Major		Code	Minor		Description	Samples				Pd Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
191.70	242.00	VT GB			Varitextured Gabbro (continued)	905416	221.00	222.00	1.00	0.441	10	85	173	411	131
						905417	222.00	223.00	1.00	0.269	9	26	32	589	180
						905418	223.00	224.00	1.00	0.217	8	10	27	466	151
						905419	224.00	225.00	1.00	0.388	15	10	25	944	166
						905420	Blank			#VALUE!	< 2	< 5	< 5	4	1
						905421	225.00	226.00	1.00	0.099	4	3	3	207	55
						905422	226.00	227.00	1.00	0.113	1	3	6	197	186
						905423	227.00	228.00	1.00	0.092	1	3	8	124	189
						905424	228.00	229.00	1.00	0.112	1	8	14	81	260
						905425	229.00	230.00	1.00	0.061	1	3	3	58	138
						905426	230.00	231.00	1.00	0.190	6	12	35	387	106
						905427	231.00	232.00	1.00	0.251	10	18	48	536	92
						905428	232.00	233.00	1.00	0.668	17	27	34	2140	327
						905429	233.00	234.00	1.00	0.647	25	57	54	1770	319
						905430	Duplicate of 905429			0.515	20	45	42	1380	266
						905431	234.00	235.00	1.00	0.406	12	38	43	1030	227
						905432	235.00	236.00	1.00	0.225	5	15	31	477	180
						905433	236.00	237.00	1.00	0.172	4	7	13	382	153
						905434	237.00	238.00	1.00	0.152	2	3	6	363	125
						905435	238.00	239.00	1.00	0.144	5	3	3	336	121
						905436	239.00	240.00	1.00	0.134	3	5	3	317	110
					Last chalcopyrite noted at ~241m	905437	240.00	241.00	1.00	0.290	9	23	24	694	182
						905438	241.00	242.00	1.00	0.128	3	8	9	230	138
242.00		E.O.H.			End of Hole										
					Note: Hole stopped in weakly mineralized VT GB, about 8m before planned depth due to bad ground in the hole further up; prevented them from getting back down the hole										

Clark Exploration Consulting Inc.

Diamond Drill Core Logging Sheet - Header Page

Company / Owner / Optionee:	Canadian Palladium
Property:	East Bull
Project Number:	
Claim Number(s):	292705
Target:	VALHALLA EXT
Hole Number:	**EB-21-84**
Length:	251m
Core Size:	NQ
Grid East:	
Grid North:	
UTM Easting:	406460
UTM Northing:	5141819
Datum and UTM Zone:	NAD 83 Zone 17
Elevation:	369m
Planned Collar Orientation:	Az: 180; Dip: -60
Surveyed Collar Orientation:	
Magnetic Declination:	9.2 west
Date Started:	2021-10-19
Date Completed:	2021-10-21
Drilling Company:	Vital Drilling
Date Logged:	October 21 to 23
Logged By:	D.Cullen

Downhole Surveys				
Instrument:				
Depth	Dip	Azimuth	Mag	Comment
14m	-59.4	184.2	54084	corrected az. = 175.0
101m	-59.5	189.5	54400	corrected az. = 180.3
200m	-59.3	191.9	54321	corrected az. = 182.7
251m	-58.9	193.9	53094	corrected az. = 184.7

Core Storage: 61 Mailloux Rd., Walford, Ontario

Comments:

Drillhole: EB-21-84

Major		Code	Minor		Description	Samples				PD Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
0.00	3.00	CAS			Casing / Overburden										
3.00	134.56	LG			Leucogabbro (Gabbro?)										
					Medium to light grey-pink (pink colour due to potassic feldspar and/or potassic/hemitite alteration); medium grained; massive; down to ~13m core is strongly broken/blocky/pitted/vuggy due to surface weathering(?), but also exhibits moderate to strong irregular fracturing and quartz-carbonate veins/veinlets; numerous narrow mafic and syenite dykes with irregular contacts down to 22.50m										
					Below 86m unit becomes more typically coarser grained, and pink colour is largely gone by ~90m										
134.56	155.20	M/DD			Mafic / Diabase Dyke										
					Medium green-grey; fine to medium grained with local irregular phenocrysts generally 1-2cm; massive; trace pyrite usually in rounded blebs up to several millimetres										
			135.75	137.30	Leucogabbro dyke as above, contacts sharp and regular at 40-45° to c.a.	905439	152.00	153.00	1.00	0.071	1	3	3	87	61
					Lower contact sharp and regular at 45° to c.a.	905440	153.00	154.00	1.00	0.086	1	3	3	154	62
						905441	154.00	155.00	1.00	0.087	1	3	3	162	57
155.20	251.00	VT GB			Varitextured Gabbro	905442	155.00	156.00	1.00	0.135	1	9	15	94	272
					Mix of leucogabbro, gabbro and melagabbro; light to dark grey-green; coarse to medium grained; massive to locally chaotic-looking, brecciated and fractured and locally foliated at 45-55° to c.a.; local narrow intervals of broken/blocky core with rare narrow fault gouge; trace chalcopyrite and pyrite (no pyrrhotite noted), first noted at 159.50m, occurring as coarse blebs up to several centimetres in the leucogabbro at the top of unit, to fine grained disseminated and stringers; occasional magnetite	905443	156.00	157.00	1.00	0.203	1	19	16	53	543
						905444	157.00	158.00	1.00	0.628	11	111	277	449	395
			155.20	173.00	Predominantly leucogabbro with numerous coarse blebs/pods of chalcopyrite up to several centimtres, usually associated with quartz veins - still trace	905445	158.00	159.00	1.00	0.407	14	37	123	484	463
						905446	159.00	160.00	1.00	1.367	48	140	626	1660	596
						905447	160.00	161.00	1.00	0.978	47	142	466	815	434
						905448	161.00	162.00	1.00	2.409	72	180	733	5240	1130
						905449	162.00	163.00	1.00	0.929	37	107	314	1520	533
						905450	Standard CDN-ME-9			4.985	182	614	1310	6420	8310
						905451	163.00	164.00	1.00	1.455	49	168	537	2480	530
						905452	164.00	165.00	1.00	1.326	68	184	516	1650	678

Drillhole: EB-21-84

Major		Code	Minor		Description	Samples				PD Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
155.20	251.00	VT GB			Varitextured Gabbro	905453	165.00	166.00	1.00	2.529	122	326	1030	3370	1040
						905454	166.00	167.00	1.00	1.997	16	156	640	4550	808
						905455	167.00	168.00	1.00	1.451	72	165	583	2010	653
						905456	168.00	169.00	1.00	0.932	74	110	345	1170	462
						905457	169.00	170.00	1.00	0.872	42	133	427	668	331
						905458	170.00	171.00	1.00	1.829	63	415	762	1540	575
						905459	171.00	172.00	1.00	3.119	137	735	1630	1270	460
						905460	Blank			#VALUE!	< 2	< 5	< 5	4	2
						905461	172.00	173.00	1.00	2.578	79	529	1500	933	422
						905462	173.00	174.00	1.00	0.441	14	70	126	232	654
						905463	174.00	175.00	1.00	1.597	111	197	465	2130	1340
						905464	175.00	176.00	1.00	0.987	17	262	414	437	551
						905465	176.00	177.00	1.00	0.595	42	96	238	1160	468
						905466	177.00	178.00	1.00	0.582	38	110	202	1180	508
						905467	178.00	179.00	1.00	0.342	29	34	98	693	434
						905468	179.00	180.00	1.00	0.610	35	99	235	1600	635
						905469	180.00	181.00	1.00	0.483	25	24	50	861	381
						905470	Duplicate of 905469			0.215	20	19	44	829	439
						905471	181.00	182.00	1.00	0.444	36	55	120	1110	653
						905472	182.00	183.00	1.00	0.538	41	82	142	1850	1090
					Below ~173m the sulphides are all fine grained disseminated and occasional stringers, and appear to be predominantly pyrite	905473	183.00	184.00	1.00	0.531	68	95	198	2130	676
						905474	184.00	185.00	1.00	0.628	41	130	254	2100	709
						905475	185.00	186.00	1.00	0.834	31	203	312	2310	921
						905476	186.00	187.00	1.00	0.690	35	170	264	2240	776
						905477	187.00	188.00	1.00	0.233	6	6	17	739	215
						905478	188.00	189.00	1.00	0.107	10	9	14	1180	259
						905479	189.00	190.00	1.00	0.294	21	40	57	832	427
						905480	Standard CDN-ME-9			3.505	156	657	1310	6270	8180
						905481	190.00	191.00	1.00	0.304	15	100	84	1270	446
						905482	191.00	192.00	1.00	0.183	7	26	38	259	173
						905483	192.00	193.00	1.00	0.363	9	60	87	525	237
						905484	193.00	194.00	1.00	0.151	7	35	42	283	156
						905485	194.00	195.00	1.00	0.049	4	9	10	328	161
						905486	195.00	196.00	1.00	0.019	1	3	3	89	86
						905487	196.00	197.00	1.00	0.025	2	3	3	34	118
						905488	197.00	198.00	1.00	0.041	14	3	3	54	112
						905489	198.00	199.00	1.00	0.086	4	23	25	408	195

Drillhole: EB-21-84

Major		Code	Minor		Description	Samples				PD Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
155.20	251.00	VT GB			Varitextured Gabbro	905490	Blank			#VALUE!	< 2	< 5	< 5	< 1	1
						905491	199.00	200.00	1.00	0.071	9	12	16	426	201
						905492	200.00	201.00	1.00	0.067	3	15	22	250	166
						905493	201.00	202.00	1.00	0.033	6	3	7	106	108
						905494	202.00	203.00	1.00	0.356	30	87	132	1580	537
						905495	203.00	204.00	1.00	0.043	11	3	5	759	138
						905496	204.00	205.00	1.00	0.026	1	3	3	91	137
						905497	205.00	206.00	1.00	0.039	3	3	6	233	189
						905498	206.00	207.00	1.00	0.099	1	18	17	3	427
						905499	207.00	208.00	1.00	0.086	1	6	9	91	498
						905500	Duplicate of 905490			0.084	9	3	7	152	448
						905501	208.00	209.00	1.00	0.078	7	12	22	439	228
						905502	209.00	210.00	1.00	0.024	1	3	3	26	123
						905503	210.00	211.00	1.00	0.070	1	3	3	32	465
						905504	211.00	212.00	1.00	0.290	16	85	61	1170	740
						905505	212.00	213.00	1.00	0.805	47	342	241	3000	532
						905506	213.00	214.00	1.00	0.242	46	77	53	1170	202
						905507	214.00	215.00	1.00	0.048	6	6	13	1550	137
						905508	215.00	216.00	1.00	0.028	1	3	3	92	157
						905509	216.00	217.00	1.00	0.158	19	58	39	868	146
						905510	Standard CDN-ME-9			3.505	142	673	1340	6320	8290
						905511	217.00	218.00	1.00	0.831	72	361	208	3030	532
						905512	218.00	219.00	1.00	0.202	34	72	28	953	262
						905513	219.00	220.00	1.00	0.025	1	3	3	55	131
						905514	220.00	221.00	1.00	0.038	4	3	8	306	157
						905515	221.00	222.00	1.00	0.045	9	3	3	789	198
						905516	222.00	223.00	1.00	0.137	31	27	21	1530	279
						905517	223.00	224.00	1.00	0.162	39	30	28	1970	300
						905518	224.00	225.00	1.00	0.036	1	6	7	194	151
						905519	225.00	226.00	1.00	0.047	1	9	18	175	118
						905520	Blank			#VALUE!	< 2	< 5	< 5	< 1	1
						905521	226.00	227.00	1.00	0.030	1	3	6	209	143
						905522	227.00	228.00	1.00	0.045	1	3	9	240	229
						905523	228.00	229.00	1.00	0.070	1	3	11	492	402
						905524	229.00	230.00	1.00	0.031	1	3	7	252	145
						905525	230.00	231.00	1.00	0.026	1	3	3	43	140
						905526	231.00	232.00	1.00	0.026	1	3	3	199	142
						905527	232.00	233.00	1.00	0.027	1	3	3	84	150

AGAT Laboratories

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CANADA L4Z 1N9
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FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T704861

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Mar 17, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155195 (2023190)	1.83
155196 (2023191)	2.62
155197 (2023192)	2.23
155198 (2023193)	2.30
155199 (2023194)	2.30
155200 (2023195)	0.11
155201 (2023196)	2.34
155202 (2023197)	2.62
155203 (2023198)	2.62
155204 (2023199)	2.56
155205 (2023200)	2.32
155206 (2023201)	2.40
155207 (2023202)	2.51
155208 (2023203)	2.28
155209 (2023204)	2.41
155210 (2023205)	0.84
155211 (2023206)	2.37
155212 (2023207)	2.56
155213 (2023208)	2.42
155214 (2023209)	2.63
155215 (2023210)	2.34
155216 (2023211)	2.48
155217 (2023212)	2.44
155218 (2023213)	2.60
155219 (2023214)	1.10
155220 (2023215)	1.11
155221 (2023216)	2.57
155222 (2023217)	2.43
155223 (2023218)	2.45
155224 (2023219)	2.61
155225 (2023220)	2.44

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories
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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155226 (2023221)	2.51
155227 (2023222)	2.53
155228 (2023223)	2.32
155229 (2023224)	2.60
155230 (2023225)	0.11
155231 (2023226)	2.52
155232 (2023227)	2.41
155233 (2023228)	2.21
155234 (2023229)	2.20
155235 (2023230)	2.31
155236 (2023231)	2.20
155237 (2023232)	2.44
155238 (2023233)	2.58
155239 (2023234)	2.77
155240 (2023235)	0.75
155241 (2023236)	2.54
155242 (2023237)	2.72
155243 (2023238)	2.59
155244 (2023239)	2.53
155245 (2023240)	2.61
155246 (2023241)	2.54
155247 (2023242)	2.64
155248 (2023243)	2.44
155249 (2023244)	1.20
155250 (2023245)	1.10
155251 (2023246)	2.46
155252 (2023247)	2.51
155253 (2023248)	2.54
155254 (2023249)	2.24
155255 (2023250)	2.34
155256 (2023251)	2.51

Certified By:

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AGAT Laboratories
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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155257 (2023252)	2.45
155258 (2023253)	2.66
155259 (2023254)	2.75
155260 (2023255)	0.11
155261 (2023256)	2.26
155262 (2023257)	2.35
155263 (2023258)	2.28
155264 (2023259)	2.34
155265 (2023260)	2.24
155266 (2023261)	2.41

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155195 (2023190)	<0.5	7.41	<1	176	<0.5	<1	5.67	<0.5	27	49.3	53.5	135	10.1	17
155196 (2023191)	<0.5	8.59	<1	253	0.6	<1	5.67	<0.5	33	33.3	48.4	99.8	7.92	20
155197 (2023192)	<0.5	9.43	<1	268	0.6	<1	5.34	<0.5	30	26.2	64.6	45.0	6.54	19
155198 (2023193)	<0.5	7.73	<1	259	0.5	<1	6.26	<0.5	24	39.8	49.3	84.8	9.15	17
155199 (2023194)	<0.5	7.11	<1	259	<0.5	<1	5.73	<0.5	24	42.8	39.6	118	9.69	16
155200 (2023195)	3.6	6.60	<1	265	0.7	<1	3.91	0.5	25	164	230	7100	14.7	<5
155201 (2023196)	<0.5	7.38	<1	271	<0.5	<1	5.97	<0.5	24	42.2	52.5	125	9.03	18
155202 (2023197)	<0.5	6.97	<1	216	<0.5	<1	6.18	<0.5	27	44.9	47.0	153	9.55	19
155203 (2023198)	<0.5	7.62	<1	137	<0.5	<1	5.70	<0.5	22	45.2	55.5	133	9.53	17
155204 (2023199)	<0.5	7.22	<1	66	<0.5	<1	5.39	<0.5	25	44.4	48.0	256	8.26	15
155205 (2023200)	<0.5	7.33	<1	54	<0.5	<1	7.02	<0.5	21	31.7	54.4	65.4	7.16	14
155206 (2023201)	<0.5	7.45	<1	50	<0.5	<1	5.88	<0.5	21	42.0	45.4	163	8.42	16
155207 (2023202)	<0.5	8.50	<1	146	<0.5	<1	5.60	<0.5	24	38.3	58.7	111	7.80	18
155208 (2023203)	<0.5	10.9	<1	490	0.6	<1	5.29	<0.5	29	19.6	52.8	73.4	4.77	20
155209 (2023204)	<0.5	10.2	<1	262	<0.5	<1	6.27	<0.5	25	31.3	60.7	112	6.51	20
155210 (2023205)	<0.5	0.04	<1	652	<0.5	<1	19.2	<0.5	<1	<0.5	7.2	<0.5	0.05	<5
155211 (2023206)	<0.5	8.06	1	201	<0.5	<1	5.78	<0.5	26	40.5	51.4	157	8.46	18
155212 (2023207)	<0.5	12.0	<1	650	<0.5	<1	5.63	<0.5	12	16.3	62.3	38.7	3.92	21
155213 (2023208)	<0.5	9.99	<1	345	<0.5	<1	5.70	<0.5	22	30.5	54.7	81.1	6.35	18
155214 (2023209)	<0.5	6.66	<1	187	<0.5	<1	6.44	<0.5	18	49.9	44.2	169	9.92	17
155215 (2023210)	<0.5	9.64	<1	138	<0.5	<1	5.61	<0.5	19	34.1	48.4	82.0	6.85	18
155216 (2023211)	<0.5	8.82	<1	118	<0.5	<1	5.59	<0.5	18	36.8	44.9	102	7.12	18
155217 (2023212)	<0.5	7.48	<1	176	<0.5	<1	5.88	<0.5	15	51.5	47.7	143	9.73	19
155218 (2023213)	<0.5	8.52	<1	133	<0.5	<1	5.22	<0.5	20	40.9	39.5	88.5	7.95	18
155219 (2023214)	<0.5	8.69	<1	138	<0.5	<1	5.34	<0.5	15	41.1	53.6	113	8.20	18
155220 (2023215)	<0.5	8.48	<1	125	<0.5	<1	6.25	<0.5	16	37.8	56.9	138	7.85	18
155221 (2023216)	<0.5	8.28	<1	158	<0.5	<1	5.98	<0.5	16	43.4	41.3	139	8.92	17
155222 (2023217)	<0.5	7.70	<1	132	<0.5	<1	6.04	<0.5	18	47.7	45.2	110	9.53	18
155223 (2023218)	<0.5	7.17	<1	200	<0.5	<1	6.41	<0.5	19	48.9	39.7	150	9.20	15
155224 (2023219)	<0.5	7.24	<1	236	<0.5	<1	6.80	<0.5	18	50.9	42.5	187	9.84	17
155225 (2023220)	<0.5	7.15	<1	238	<0.5	<1	6.54	<0.5	18	49.9	38.9	221	9.72	17
155226 (2023221)	<0.5	6.89	<1	224	<0.5	<1	6.38	<0.5	18	52.3	37.1	237	10.1	16

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155227 (2023222)	<0.5	6.70	<1	250	<0.5	<1	6.48	<0.5	18	52.3	35.2	237	10.4	16
155228 (2023223)	<0.5	6.67	<1	260	<0.5	<1	6.46	<0.5	19	53.5	39.2	238	10.5	16
155229 (2023224)	<0.5	6.25	<1	239	<0.5	<1	5.91	<0.5	22	54.1	35.9	257	11.2	18
155230 (2023225)	3.3	6.64	1	268	0.6	<1	3.85	0.8	26	170	235	6840	14.2	<5
155231 (2023226)	<0.5	6.91	<1	253	<0.5	<1	6.11	<0.5	19	50.4	40.1	223	10.5	18
155232 (2023227)	<0.5	8.64	<1	259	<0.5	<1	6.55	<0.5	20	41.0	39.0	154	8.64	19
155233 (2023228)	<0.5	6.42	<1	190	<0.5	<1	6.02	<0.5	22	50.2	43.5	185	10.1	17
155234 (2023229)	<0.5	6.78	1	190	<0.5	<1	6.37	<0.5	18	53.0	39.7	195	10.1	16
155235 (2023230)	<0.5	9.46	<1	240	<0.5	<1	6.46	<0.5	15	33.8	41.9	138	7.22	19
155236 (2023231)	<0.5	8.59	<1	437	<0.5	<1	6.43	<0.5	19	37.8	39.7	171	8.08	16
155237 (2023232)	<0.5	7.12	<1	261	<0.5	<1	6.70	<0.5	22	49.6	82.5	224	9.69	16
155238 (2023233)	<0.5	7.34	<1	197	<0.5	<1	6.49	<0.5	17	49.6	129	236	9.72	17
155239 (2023234)	<0.5	5.56	<1	1010	<0.5	<1	7.99	<0.5	63	49.9	328	153	8.07	11
155240 (2023235)	<0.5	0.17	<1	2640	<0.5	<1	17.1	<0.5	<1	<0.5	6.8	<0.5	0.14	<5
155241 (2023236)	<0.5	8.46	<1	422	<0.5	<1	6.31	<0.5	35	32.8	75.4	96.9	6.96	18
155242 (2023237)	<0.5	9.36	<1	198	<0.5	<1	5.91	<0.5	25	27.3	43.2	46.0	6.58	18
155243 (2023238)	<0.5	7.16	<1	237	<0.5	<1	6.13	<0.5	23	44.1	47.8	154	8.60	17
155244 (2023239)	<0.5	8.18	<1	252	<0.5	<1	6.87	<0.5	22	39.2	38.1	116	8.33	16
155245 (2023240)	<0.5	7.21	<1	468	<0.5	<1	6.80	<0.5	41	40.1	157	232	8.01	16
155246 (2023241)	<0.5	6.82	<1	401	<0.5	<1	6.38	<0.5	32	45.8	76.0	219	8.98	16
155247 (2023242)	<0.5	8.95	<1	377	<0.5	<1	6.76	<0.5	26	33.9	49.3	121	7.73	17
155248 (2023243)	<0.5	7.55	<1	215	<0.5	<1	6.40	<0.5	23	43.4	38.4	148	8.78	17
155249 (2023244)	<0.5	7.41	<1	214	<0.5	<1	6.31	<0.5	22	44.8	40.9	159	9.04	16
155250 (2023245)	<0.5	7.18	<1	209	<0.5	<1	6.28	<0.5	23	44.5	36.3	150	9.04	17
155251 (2023246)	<0.5	8.63	<1	257	<0.5	<1	5.95	<0.5	22	41.8	40.7	116	8.50	17
155252 (2023247)	<0.5	8.55	2	47	<0.5	<1	5.58	<0.5	19	40.2	45.3	39.9	8.45	16
155253 (2023248)	<0.5	9.04	<1	343	<0.5	<1	5.45	<0.5	19	36.1	32.4	100	7.23	17
155254 (2023249)	<0.5	8.78	<1	511	<0.5	<1	6.89	<0.5	31	35.3	140	81.0	6.90	15
155255 (2023250)	<0.5	4.24	<1	1660	0.9	<1	9.12	<0.5	101	47.8	488	54.6	6.57	6
155256 (2023251)	<0.5	7.53	<1	204	<0.5	<1	6.45	<0.5	22	45.6	45.7	152	9.25	18
155257 (2023252)	<0.5	7.09	<1	194	<0.5	<1	6.13	<0.5	23	46.4	40.9	147	9.28	17
155258 (2023253)	<0.5	7.27	<1	211	<0.5	<1	6.49	<0.5	22	47.4	43.1	138	9.66	16

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155259 (2023254)	<0.5	7.85	<1	249	<0.5	<1	6.39	<0.5	22	43.8	43.9	134	8.86	16
155260 (2023255)	3.2	6.81	1	279	0.6	<1	4.00	<0.5	27	170	235	7180	14.8	<5
155261 (2023256)	<0.5	9.90	1	283	<0.5	<1	6.40	<0.5	19	30.6	45.1	97.5	6.36	17
155262 (2023257)	<0.5	9.82	<1	315	<0.5	<1	6.66	<0.5	18	32.8	38.6	76.0	6.95	18
155263 (2023258)	<0.5	9.45	<1	278	<0.5	<1	6.41	<0.5	19	34.2	47.7	65.6	6.94	18
155264 (2023259)	<0.5	9.50	<1	280	<0.5	<1	6.70	<0.5	23	32.3	39.9	77.6	6.95	18
155265 (2023260)	<0.5	7.78	<1	247	<0.5	<1	6.15	<0.5	19	43.3	44.7	181	8.78	16
155266 (2023261)	<0.5	7.75	<1	224	<0.5	<1	6.29	<0.5	22	44.7	42.6	133	8.95	17

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155195 (2023190)	<1	0.49	11	17	2.88	1470	<0.5	2.07	41.7	493	6	18	0.15	<1
155196 (2023191)	<1	0.61	14	16	1.95	1140	<0.5	2.63	27.9	649	3	23	0.10	<1
155197 (2023192)	<1	0.71	13	20	1.58	931	<0.5	2.72	21.7	562	2	28	0.09	<1
155198 (2023193)	<1	0.74	9	17	2.61	1470	<0.5	1.82	36.5	450	6	27	0.11	<1
155199 (2023194)	<1	0.80	9	17	2.75	1490	<0.5	1.56	40.3	429	6	30	0.10	<1
155200 (2023195)	<1	0.63	10	12	3.81	1110	2.1	1.79	9830	610	50	16	2.59	<1
155201 (2023196)	<1	0.77	9	17	2.51	1440	<0.5	1.69	40.0	453	5	30	0.12	<1
155202 (2023197)	<1	0.68	10	14	2.66	1490	<0.5	1.54	42.7	499	6	27	0.14	<1
155203 (2023198)	<1	0.49	8	14	3.11	1490	<0.5	2.48	49.4	404	4	19	0.12	<1
155204 (2023199)	<1	0.23	10	11	2.89	1270	<0.5	2.71	45.9	446	3	<10	0.16	<1
155205 (2023200)	<1	0.14	8	9	2.53	1270	<0.5	3.04	36.9	398	4	<10	0.12	<1
155206 (2023201)	<1	0.14	8	11	2.86	1350	<0.5	2.48	51.7	412	3	<10	0.13	<1
155207 (2023202)	<1	0.36	10	15	2.58	1240	<0.5	2.67	42.6	430	3	13	0.13	<1
155208 (2023203)	<1	0.89	13	18	1.18	664	<0.5	3.20	16.7	547	<1	31	0.12	<1
155209 (2023204)	<1	0.71	10	18	1.81	995	<0.5	2.58	33.1	446	4	25	0.19	<1
155210 (2023205)	<1	0.01	<2	5	12.8	418	<0.5	0.02	6.5	53	3	<10	0.34	<1
155211 (2023206)	<1	0.65	10	15	2.63	1250	<0.5	2.78	46.0	476	5	27	0.19	<1
155212 (2023207)	<1	0.97	5	19	1.16	536	<0.5	3.29	17.8	200	<1	31	0.10	<1
155213 (2023208)	<1	0.73	9	18	2.16	947	<0.5	2.95	31.2	417	1	24	0.15	<1
155214 (2023209)	<1	0.68	6	12	3.17	1520	<0.5	1.65	66.9	318	5	27	0.20	<1
155215 (2023210)	<1	0.38	7	18	2.40	990	<0.5	3.16	42.6	357	1	13	0.12	<1
155216 (2023211)	<1	0.35	7	14	2.51	1020	<0.5	3.18	48.4	324	2	14	0.16	<1
155217 (2023212)	<1	0.65	4	15	3.27	1340	<0.5	2.36	70.6	266	9	28	0.22	<1
155218 (2023213)	<1	0.40	7	18	3.00	1140	<0.5	3.10	56.4	384	2	16	0.12	<1
155219 (2023214)	<1	0.38	6	22	3.11	1190	<0.5	3.12	52.6	283	2	15	0.12	<1
155220 (2023215)	<1	0.33	6	19	2.71	1140	<0.5	2.72	49.6	264	3	13	0.15	<1
155221 (2023216)	<1	0.48	5	18	2.81	1280	<0.5	2.41	59.8	277	4	19	0.14	<1
155222 (2023217)	<1	0.44	6	18	3.02	1420	<0.5	1.92	64.4	324	7	17	0.13	<1
155223 (2023218)	<1	0.67	7	14	3.27	1390	<0.5	1.53	62.5	353	5	26	0.16	<1
155224 (2023219)	<1	0.77	6	16	3.50	1440	<0.5	1.52	69.5	321	6	29	0.16	<1
155225 (2023220)	<1	0.79	6	14	3.15	1350	<0.5	1.54	66.9	316	6	29	0.18	<1
155226 (2023221)	<1	0.80	6	15	3.28	1430	<0.5	1.58	69.0	302	6	28	0.17	<1

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AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155227 (2023222)	<1	0.82	6	17	3.20	1510	<0.5	1.49	66.2	322	6	31	0.17	<1
155228 (2023223)	<1	0.89	6	17	3.48	1570	<0.5	1.35	65.4	352	7	34	0.16	<1
155229 (2023224)	<1	0.87	7	15	2.93	1460	<0.5	1.45	65.1	410	6	31	0.17	<1
155230 (2023225)	<1	0.64	10	12	3.82	1100	2.9	1.82	9870	624	52	17	2.80	<1
155231 (2023226)	<1	0.78	6	16	2.78	1400	<0.5	1.55	61.8	335	5	28	0.18	<1
155232 (2023227)	<1	0.75	7	16	2.41	1180	<0.5	2.10	45.5	369	2	24	0.14	<1
155233 (2023228)	<1	0.64	7	14	3.10	1460	<0.5	1.65	55.7	388	5	21	0.15	<1
155234 (2023229)	<1	0.64	6	14	3.49	1530	<0.5	1.62	60.5	321	6	22	0.16	<1
155235 (2023230)	<1	0.61	5	18	2.10	1040	<0.5	2.30	39.3	278	<1	21	0.13	<1
155236 (2023231)	<1	0.87	7	16	2.38	1150	<0.5	2.09	40.1	381	3	27	0.14	<1
155237 (2023232)	<1	0.61	8	16	3.37	1410	<0.5	1.79	75.9	430	3	19	0.15	<1
155238 (2023233)	<1	0.59	6	13	3.10	1410	1.2	1.90	110	318	3	18	0.14	<1
155239 (2023234)	<1	1.56	28	33	5.56	1250	<0.5	1.11	208	1380	2	64	0.21	<1
155240 (2023235)	3	0.11	<2	18	12.1	454	<0.5	0.04	1.2	168	2	<10	0.37	<1
155241 (2023236)	<1	0.75	16	18	2.34	984	<0.5	2.58	50.2	728	1	26	0.14	<1
155242 (2023237)	<1	0.52	11	17	1.82	903	<0.5	2.59	29.3	433	3	18	0.11	<1
155243 (2023238)	<1	0.88	8	14	3.02	1310	<0.5	1.52	53.2	413	4	34	0.12	<1
155244 (2023239)	<1	0.81	9	15	2.75	1300	<0.5	2.00	43.5	423	4	29	0.13	<1
155245 (2023240)	<1	1.02	17	20	3.25	1260	<0.5	1.84	81.9	843	2	34	0.16	<1
155246 (2023241)	<1	1.06	13	20	3.16	1460	<0.5	1.43	70.8	643	6	37	0.15	<1
155247 (2023242)	<1	0.85	11	18	2.58	1200	<0.5	2.29	41.3	485	1	27	0.13	<1
155248 (2023243)	<1	0.71	9	14	2.95	1340	<0.5	1.84	49.8	430	3	24	0.13	<1
155249 (2023244)	<1	0.70	8	14	3.09	1390	<0.5	1.68	52.0	410	4	25	0.13	<1
155250 (2023245)	<1	0.67	9	14	3.03	1390	<0.5	1.72	51.3	414	3	24	0.13	<1
155251 (2023246)	<1	0.82	8	18	2.88	1260	<0.5	1.88	46.0	404	3	29	0.12	<1
155252 (2023247)	<1	0.13	7	22	2.83	1290	<0.5	2.31	45.5	336	4	<10	0.10	<1
155253 (2023248)	<1	1.16	7	22	2.60	1110	<0.5	2.16	40.9	342	2	45	0.11	<1
155254 (2023249)	<1	1.29	13	27	3.63	1110	<0.5	2.45	101	645	2	39	0.16	<1
155255 (2023250)	<1	2.35	46	41	8.82	1140	0.5	0.77	344	2340	9	91	0.25	<1
155256 (2023251)	<1	0.65	8	13	3.12	1430	<0.5	1.86	51.7	405	4	21	0.13	<1
155257 (2023252)	<1	0.60	9	14	3.22	1420	<0.5	1.77	53.1	425	5	18	0.13	<1
155258 (2023253)	<1	0.68	8	13	3.31	1510	<0.5	1.74	54.0	412	4	21	0.13	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155259 (2023254)	<1	0.75	8	15	3.04	1370	<0.5	1.78	51.4	405	5	25	0.13	<1
155260 (2023255)	<1	0.67	10	13	3.93	1150	2.4	1.90	9680	620	50	16	2.80	<1
155261 (2023256)	<1	0.72	8	17	2.18	951	<0.5	2.38	37.9	363	<1	24	0.12	<1
155262 (2023257)	<1	0.84	7	20	2.30	1030	<0.5	2.25	40.0	350	<1	28	0.12	<1
155263 (2023258)	<1	0.76	7	19	2.49	1060	<0.5	2.24	39.4	360	2	25	0.12	<1
155264 (2023259)	<1	0.78	10	21	2.30	1080	<0.5	2.23	35.5	457	3	27	0.13	<1
155265 (2023260)	<1	0.77	7	23	3.09	1330	<0.5	1.61	47.7	365	4	27	0.14	<1
155266 (2023261)	<1	0.65	8	16	3.05	1370	<0.5	1.87	51.2	420	5	21	0.12	<1

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155195 (2023190)	36	<10	<5	198	<10	<10	<5	0.64	<5	<5	272	<1	21	101
155196 (2023191)	26	<10	<5	274	<10	<10	<5	0.50	<5	<5	190	<1	22	77.0
155197 (2023192)	21	<10	<5	314	<10	<10	<5	0.43	<5	<5	136	<1	19	68.9
155198 (2023193)	35	<10	<5	229	<10	<10	<5	0.43	<5	<5	186	<1	20	99.8
155199 (2023194)	36	<10	<5	192	<10	<10	<5	0.57	<5	<5	233	<1	20	109
155200 (2023195)	11	<10	<5	278	<10	<10	<5	0.59	<5	<5	108	1	11	112
155201 (2023196)	34	<10	<5	212	<10	<10	<5	0.55	<5	<5	231	<1	19	96.8
155202 (2023197)	36	<10	<5	211	<10	<10	<5	0.61	<5	<5	274	<1	21	97.4
155203 (2023198)	36	<10	<5	195	<10	<10	<5	0.61	<5	<5	312	<1	18	107
155204 (2023199)	34	<10	<5	189	<10	<10	<5	0.52	<5	<5	253	<1	19	91.9
155205 (2023200)	35	<10	<5	210	<10	<10	<5	0.58	<5	<5	291	<1	17	77.4
155206 (2023201)	35	<10	<5	221	<10	<10	<5	0.53	<5	<5	313	<1	17	99.0
155207 (2023202)	31	<10	<5	269	<10	<10	<5	0.41	<5	<5	209	<1	18	99.0
155208 (2023203)	12	<10	<5	345	<10	<10	<5	0.36	<5	<5	91.8	<1	16	54.9
155209 (2023204)	22	<10	<5	341	<10	<10	<5	0.50	<5	<5	202	<1	16	80.0
155210 (2023205)	<1	<10	<5	134	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	17.1
155211 (2023206)	33	<10	<5	213	<10	<10	<5	0.69	<5	<5	361	<1	18	116
155212 (2023207)	13	<10	<5	372	<10	<10	<5	0.23	<5	<5	110	<1	8	42.0
155213 (2023208)	26	<10	<5	294	<10	<10	<5	0.35	<5	<5	164	<1	16	68.2
155214 (2023209)	40	<10	<5	186	<10	<10	<5	0.72	<5	<5	482	<1	17	102
155215 (2023210)	24	<10	<5	281	<10	<10	<5	0.34	<5	<5	206	<1	13	72.9
155216 (2023211)	30	<10	<5	236	<10	<10	<5	0.54	<5	<5	376	<1	13	74.1
155217 (2023212)	36	<10	<5	164	<10	<10	<5	0.76	<5	<5	591	<1	14	138
155218 (2023213)	32	<10	<5	197	<10	<10	<5	0.55	<5	<5	400	<1	15	88.7
155219 (2023214)	29	<10	<5	178	<10	<10	<5	0.60	<5	<5	427	<1	12	96.4
155220 (2023215)	27	<10	<5	209	<10	<10	<5	0.62	<5	<5	426	<1	12	92.5
155221 (2023216)	32	<10	<5	231	<10	<10	<5	0.76	<5	<5	559	<1	13	115
155222 (2023217)	34	<10	<5	218	<10	<10	<5	0.65	<5	<5	476	<1	14	105
155223 (2023218)	38	<10	<5	193	<10	<10	<5	0.59	<5	<5	404	<1	15	95.6
155224 (2023219)	39	<10	<5	188	<10	<10	<5	0.66	<5	<5	475	<1	15	101
155225 (2023220)	38	<10	<5	184	<10	<10	<5	0.72	<5	<5	521	<1	15	104
155226 (2023221)	40	<10	<5	178	<10	<10	<5	0.76	<5	<5	555	<1	15	103

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155227 (2023222)	39	<10	<5	193	<10	<10	<5	0.78	<5	<5	567	<1	15	106
155228 (2023223)	42	<10	<5	183	<10	<10	<5	0.72	<5	<5	520	<1	16	109
155229 (2023224)	39	<10	<5	157	<10	<10	<5	0.96	<5	<5	693	<1	18	113
155230 (2023225)	11	<10	<5	280	<10	<10	<5	0.59	<5	6	112	<1	11	119
155231 (2023226)	37	<10	<5	192	<10	<10	<5	0.79	<5	<5	618	<1	15	104
155232 (2023227)	31	<10	<5	245	<10	<10	<5	0.66	<5	<5	438	<1	15	88.6
155233 (2023228)	40	<10	<5	175	<10	<10	<5	0.70	<5	<5	465	<1	17	103
155234 (2023229)	41	<10	<5	180	<10	<10	<5	0.63	<5	<5	431	<1	16	104
155235 (2023230)	27	<10	<5	305	<10	<10	<5	0.61	<5	<5	420	<1	12	74.5
155236 (2023231)	31	<10	<5	256	<10	<10	<5	0.54	<5	<5	326	<1	15	84.5
155237 (2023232)	40	<10	<5	231	<10	<10	<5	0.73	<5	<5	497	<1	15	100
155238 (2023233)	40	<10	<5	204	<10	<10	<5	0.66	<5	<5	474	<1	15	97.6
155239 (2023234)	34	<10	<5	440	<10	<10	<5	0.79	<5	<5	322	<1	14	83.0
155240 (2023235)	<1	<10	<5	175	<10	<10	<5	<0.01	<5	<5	4.2	<1	<1	34.3
155241 (2023236)	25	<10	<5	363	<10	<10	<5	0.53	<5	<5	283	<1	15	78.6
155242 (2023237)	23	<10	<5	294	<10	<10	<5	0.46	<5	<5	233	<1	16	64.5
155243 (2023238)	37	<10	<5	195	<10	<10	<5	0.54	<5	<5	336	<1	18	95.8
155244 (2023239)	32	<10	<5	227	<10	<10	<5	0.45	<5	<5	258	<1	17	89.5
155245 (2023240)	30	<10	<5	332	<10	<10	<5	0.71	<5	<5	331	<1	19	89.5
155246 (2023241)	34	<10	<5	231	<10	<10	<5	0.67	<5	<5	416	<1	19	99.9
155247 (2023242)	28	<10	<5	303	<10	<10	<5	0.51	<5	<5	256	<1	15	80.4
155248 (2023243)	37	<10	<5	211	<10	<10	<5	0.51	<5	<5	301	<1	18	96.1
155249 (2023244)	36	<10	<5	202	<10	<10	<5	0.55	<5	<5	333	<1	17	91.8
155250 (2023245)	36	<10	<5	201	<10	<10	<5	0.55	<5	<5	321	<1	17	90.1
155251 (2023246)	31	<10	<5	268	<10	<10	<5	0.45	<5	<5	250	<1	16	89.9
155252 (2023247)	28	<10	<5	253	<10	<10	<5	0.45	<5	<5	243	<1	13	97.3
155253 (2023248)	27	<10	<5	266	<10	<10	<5	0.39	<5	<5	222	<1	13	77.0
155254 (2023249)	27	<10	<5	426	<10	<10	<5	0.49	<5	<5	239	<1	13	78.4
155255 (2023250)	25	<10	<5	727	<10	<10	<5	0.81	<5	<5	163	<1	13	75.5
155256 (2023251)	37	<10	<5	210	<10	<10	<5	0.54	<5	<5	316	<1	17	98.3
155257 (2023252)	38	<10	<5	191	<10	<10	<5	0.54	<5	<5	316	<1	17	97.2
155258 (2023253)	38	<10	<5	196	<10	<10	<5	0.56	<5	<5	312	<1	18	102

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AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155259 (2023254)	36	<10	<5	216	<10	<10	<5	0.52	<5	<5	295	<1	17	91.8
155260 (2023255)	11	<10	<5	293	<10	<10	<5	0.60	<5	6	111	<1	11	120
155261 (2023256)	23	<10	<5	297	<10	<10	<5	0.39	<5	<5	190	<1	13	68.9
155262 (2023257)	26	<10	<5	306	<10	<10	<5	0.43	<5	<5	235	<1	13	68.9
155263 (2023258)	29	<10	<5	282	<10	<10	<5	0.29	<5	<5	175	<1	14	71.1
155264 (2023259)	26	<10	<5	290	<10	<10	<5	0.40	<5	<5	202	<1	16	78.2
155265 (2023260)	34	<10	<5	224	<10	<10	<5	0.50	<5	<5	296	<1	15	89.0
155266 (2023261)	34	<10	<5	224	<10	<10	<5	0.54	<5	<5	317	<1	16	90.3

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155195 (2023190)	58
155196 (2023191)	77
155197 (2023192)	68
155198 (2023193)	54
155199 (2023194)	51
155200 (2023195)	53
155201 (2023196)	57
155202 (2023197)	59
155203 (2023198)	48
155204 (2023199)	55
155205 (2023200)	42
155206 (2023201)	53
155207 (2023202)	57
155208 (2023203)	67
155209 (2023204)	61
155210 (2023205)	<5
155211 (2023206)	73
155212 (2023207)	22
155213 (2023208)	54
155214 (2023209)	43
155215 (2023210)	46
155216 (2023211)	42
155217 (2023212)	35
155218 (2023213)	49
155219 (2023214)	36
155220 (2023215)	34
155221 (2023216)	31
155222 (2023217)	43
155223 (2023218)	45
155224 (2023219)	40
155225 (2023220)	45
155226 (2023221)	44

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155227 (2023222)	45
155228 (2023223)	44
155229 (2023224)	55
155230 (2023225)	51
155231 (2023226)	48
155232 (2023227)	49
155233 (2023228)	49
155234 (2023229)	44
155235 (2023230)	34
155236 (2023231)	48
155237 (2023232)	44
155238 (2023233)	46
155239 (2023234)	92
155240 (2023235)	<5
155241 (2023236)	69
155242 (2023237)	51
155243 (2023238)	59
155244 (2023239)	52
155245 (2023240)	82
155246 (2023241)	68
155247 (2023242)	48
155248 (2023243)	52
155249 (2023244)	53
155250 (2023245)	56
155251 (2023246)	52
155252 (2023247)	32
155253 (2023248)	43
155254 (2023249)	61
155255 (2023250)	121
155256 (2023251)	51
155257 (2023252)	61
155258 (2023253)	55

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155259 (2023254)	49
155260 (2023255)	52
155261 (2023256)	47
155262 (2023257)	37
155263 (2023258)	46
155264 (2023259)	59
155265 (2023260)	41
155266 (2023261)	55

Comments: RDL - Reported Detection Limit

2023190-2023261 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155195 (2023190)	4	6	<5
155196 (2023191)	3	6	7
155197 (2023192)	1	2	<5
155198 (2023193)	1	4	<5
155199 (2023194)	3	3	<5
155200 (2023195)	144	1460	749
155201 (2023196)	11	5	5
155202 (2023197)	5	12	9
155203 (2023198)	3	58	70
155204 (2023199)	9	27	28
155205 (2023200)	3	69	64
155206 (2023201)	6	26	52
155207 (2023202)	4	7	9
155208 (2023203)	2	9	9
155209 (2023204)	2	21	11
155210 (2023205)	2	<1	<5
155211 (2023206)	4	26	16
155212 (2023207)	2	12	13
155213 (2023208)	2	8	10
155214 (2023209)	8	20	17
155215 (2023210)	3	32	22
155216 (2023211)	5	44	36
155217 (2023212)	8	96	99
155218 (2023213)	7	138	124
155219 (2023214)	6	75	84
155220 (2023215)	6	54	58
155221 (2023216)	7	62	60
155222 (2023217)	7	140	92
155223 (2023218)	8	188	119
155224 (2023219)	13	136	205
155225 (2023220)	21	9	124
155226 (2023221)	26	13	69

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155227 (2023222)	28	21	41
155228 (2023223)	25	29	34
155229 (2023224)	24	28	24
155230 (2023225)	155	1460	737
155231 (2023226)	16	109	56
155232 (2023227)	8	54	50
155233 (2023228)	13	47	52
155234 (2023229)	13	56	67
155235 (2023230)	6	59	61
155236 (2023231)	7	40	47
155237 (2023232)	13	39	66
155238 (2023233)	12	27	50
155239 (2023234)	7	13	18
155240 (2023235)	<1	<1	<5
155241 (2023236)	7	22	45
155242 (2023237)	3	15	22
155243 (2023238)	5	19	16
155244 (2023239)	5	12	19
155245 (2023240)	7	12	17
155246 (2023241)	6	17	9
155247 (2023242)	4	19	32
155248 (2023243)	11	15	21
155249 (2023244)	5	16	16
155250 (2023245)	4	15	18
155251 (2023246)	11	16	11
155252 (2023247)	6	12	19
155253 (2023248)	5	17	17
155254 (2023249)	3	17	13
155255 (2023250)	2	4	<5
155256 (2023251)	4	17	19
155257 (2023252)	7	17	21
155258 (2023253)	5	18	23

Certified By:

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AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155259 (2023254)	26	20	24
155260 (2023255)	192	1380	761
155261 (2023256)	4	16	29
155262 (2023257)	3	20	17
155263 (2023258)	3	17	30
155264 (2023259)	4	19	25
155265 (2023260)	6	23	25
155266 (2023261)	4	26	24

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155195 (2023190)	80.4
155214 (2023209)	84.8
155234 (2023229)	84.4
155239 (2023234)	81.8
155254 (2023249)	83

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 17, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155195 (2023190)	89.17
155213 (2023208)	85.96
155232 (2023227)	86.10
155250 (2023245)	87.91

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2023190	< 0.5	< 0.5	0.0%	2023205	< 0.5	< 0.5	0.0%	2023215	< 0.5	< 0.5	0.0%	2023230	< 0.5	< 0.5	0.0%
Al	2023190	7.41	7.12	4.0%	2023205	0.04	0.04	0.0%	2023215	8.48	8.65	2.0%	2023230	9.46	9.41	0.5%
As	2023190	< 1	< 1	0.0%	2023205	< 1	< 1	0.0%	2023215	< 1	< 1	0.0%	2023230	< 1	< 1	0.0%
Ba	2023190	176	170	3.5%	2023205	652	614	6.0%	2023215	125	124	0.8%	2023230	240	239	0.4%
Be	2023190	< 0.5	< 0.5	0.0%	2023205	< 0.5	< 0.5	0.0%	2023215	< 0.5	< 0.5	0.0%	2023230	< 0.5	< 0.5	0.0%
Bi	2023190	< 1	< 1	0.0%	2023205	< 1	< 1	0.0%	2023215	< 1	< 1	0.0%	2023230	< 1	< 1	0.0%
Ca	2023190	5.67	5.39	5.1%	2023205	19.2	18.0	6.5%	2023215	6.25	6.38	2.1%	2023230	6.46	6.59	2.0%
Cd	2023190	< 0.5	< 0.5	0.0%	2023205	< 0.5	< 0.5	0.0%	2023215	< 0.5	< 0.5	0.0%	2023230	< 0.5	< 0.5	0.0%
Ce	2023190	27	27	0.0%	2023205	< 1	< 1	0.0%	2023215	16	16	0.0%	2023230	15	15	0.0%
Co	2023190	49.3	48.9	0.8%	2023205	< 0.5	< 0.5	0.0%	2023215	37.8	39.1	3.4%	2023230	33.8	33.0	2.4%
Cr	2023190	53.5	50.2	6.4%	2023205	7.2	6.8	5.7%	2023215	56.9	52.3	8.4%	2023230	41.9	41.8	0.2%
Cu	2023190	135	129	4.5%	2023205	< 0.5	< 0.5	0.0%	2023215	138	138	0.0%	2023230	138	137	0.7%
Fe	2023190	10.1	9.59	5.2%	2023205	0.048	0.045	6.5%	2023215	7.85	8.07	2.8%	2023230	7.22	7.22	0.0%
Ga	2023190	17	19	11.1%	2023205	< 5	< 5	0.0%	2023215	18	18	0.0%	2023230	19	17	11.1%
In	2023190	< 1	< 1	0.0%	2023205	< 1	< 1	0.0%	2023215	< 1	< 1	0.0%	2023230	< 1	< 1	0.0%
K	2023190	0.49	0.48	2.1%	2023205	0.01	0.01	0.0%	2023215	0.33	0.33	0.0%	2023230	0.610	0.605	0.8%
La	2023190	11	11	0.0%	2023205	< 2	< 2	0.0%	2023215	6	6	0.0%	2023230	5	5	0.0%
Li	2023190	17	16	6.1%	2023205	5	5	0.0%	2023215	19	20	5.1%	2023230	18	18	0.0%
Mg	2023190	2.88	2.76	4.3%	2023205	12.8	12.0	6.5%	2023215	2.71	2.85	5.0%	2023230	2.10	2.10	0.0%
Mn	2023190	1470	1390	5.6%	2023205	418	407	2.7%	2023215	1140	1160	1.7%	2023230	1040	1050	1.0%
Mo	2023190	< 0.5	< 0.5	0.0%	2023205	< 0.5	< 0.5	0.0%	2023215	< 0.5	< 0.5	0.0%	2023230	< 0.5	< 0.5	0.0%
Na	2023190	2.07	2.00	3.4%	2023205	0.02	0.02	0.0%	2023215	2.72	2.78	2.2%	2023230	2.30	2.34	1.7%
Ni	2023190	41.7	40.8	2.2%	2023205	6.5	5.6	14.9%	2023215	49.6	51.0	2.8%	2023230	39.3	38.4	2.3%
P	2023190	493	476	3.5%	2023205	53	42	23.2%	2023215	264	269	1.9%	2023230	278	273	1.8%
Pb	2023190	6	6	0.0%	2023205	3	2		2023215	3	2		2023230	< 1	< 1	0.0%
Rb	2023190	18	18	0.0%	2023205	< 10	< 10	0.0%	2023215	13	14	7.4%	2023230	21	20	4.9%
S	2023190	0.152	0.145	4.7%	2023205	0.335	0.319	4.9%	2023215	0.15	0.15	0.0%	2023230	0.13	0.13	0.0%
Sb	2023190	< 1	< 1	0.0%	2023205	< 1	< 1	0.0%	2023215	< 1	< 1	0.0%	2023230	< 1	< 1	0.0%
Sc	2023190	36	36	0.0%	2023205	< 1	< 1	0.0%	2023215	27	29	7.1%	2023230	27	26	3.8%
Se	2023190	< 10	< 10	0.0%	2023205	< 10	< 10	0.0%	2023215	< 10	< 10	0.0%	2023230	< 10	< 10	0.0%
Sn	2023190	< 5	< 5	0.0%	2023205	< 5	< 5	0.0%	2023215	< 5	< 5	0.0%	2023230	< 5	< 5	0.0%

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AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2023190	198	188	5.2%	2023205	134	125	6.9%	2023215	209	211	1.0%	2023230	305	311	1.9%
Ta	2023190	< 10	< 10	0.0%	2023205	< 10	< 10	0.0%	2023215	< 10	< 10	0.0%	2023230	< 10	< 10	0.0%
Te	2023190	< 10	< 10	0.0%	2023205	< 10	< 10	0.0%	2023215	< 10	< 10	0.0%	2023230	< 10	< 10	0.0%
Th	2023190	< 5	< 5	0.0%	2023205	< 5	< 5	0.0%	2023215	< 5	< 5	0.0%	2023230	< 5	< 5	0.0%
Ti	2023190	0.636	0.577	9.7%	2023205	< 0.01	< 0.01	0.0%	2023215	0.620	0.655	5.5%	2023230	0.61	0.61	0.0%
Tl	2023190	< 5	< 5	0.0%	2023205	< 5	< 5	0.0%	2023215	< 5	< 5	0.0%	2023230	< 5	< 5	0.0%
U	2023190	< 5	< 5	0.0%	2023205	< 5	< 5	0.0%	2023215	< 5	< 5	0.0%	2023230	< 5	< 5	0.0%
V	2023190	272	263	3.4%	2023205	< 0.5	< 0.5	0.0%	2023215	426	445	4.4%	2023230	420	409	2.7%
W	2023190	< 1	< 1	0.0%	2023205	< 1	< 1	0.0%	2023215	< 1	< 1	0.0%	2023230	< 1	< 1	0.0%
Y	2023190	21	21	0.0%	2023205	< 1	< 1	0.0%	2023215	12	12	0.0%	2023230	12	12	0.0%
Zn	2023190	101	96.8	4.2%	2023205	17.1	15.4	10.5%	2023215	92.5	96.8	4.5%	2023230	74.5	74.8	0.4%
Zr	2023190	58	54	7.1%	2023205	< 5	< 5	0.0%	2023215	34	33	3.0%	2023230	34	37	8.5%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2023240	< 0.5	< 0.5	0.0%	2023256	< 0.5	< 0.5	0.0%								
Al	2023240	7.21	7.13	1.1%	2023256	9.90	9.96	0.6%								
As	2023240	< 1	< 1	0.0%	2023256	1	< 1									
Ba	2023240	468	465	0.6%	2023256	283	284	0.4%								
Be	2023240	< 0.5	< 0.5	0.0%	2023256	< 0.5	< 0.5	0.0%								
Bi	2023240	< 1	< 1	0.0%	2023256	< 1	< 1	0.0%								
Ca	2023240	6.80	6.81	0.1%	2023256	6.40	6.54	2.2%								
Cd	2023240	< 0.5	< 0.5	0.0%	2023256	< 0.5	< 0.5	0.0%								
Ce	2023240	41	40	2.5%	2023256	19	19	0.0%								
Co	2023240	40.1	39.2	2.3%	2023256	30.6	30.1	1.6%								
Cr	2023240	157	152	3.2%	2023256	45.1	44.6	1.1%								
Cu	2023240	232	232	0.0%	2023256	97.5	95.9	1.7%								
Fe	2023240	8.01	7.94	0.9%	2023256	6.36	6.37	0.2%								
Ga	2023240	16	15	6.5%	2023256	17	18	5.7%								
In	2023240	< 1	< 1	0.0%	2023256	< 1	< 1	0.0%								
K	2023240	1.02	1.01	1.0%	2023256	0.722	0.728	0.8%								
La	2023240	17	17	0.0%	2023256	8	8	0.0%								
Li	2023240	20	20	0.0%	2023256	17	17	0.0%								
Mg	2023240	3.25	3.21	1.2%	2023256	2.18	2.18	0.0%								
Mn	2023240	1260	1240	1.6%	2023256	951	953	0.2%								

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2023240	< 0.5	< 0.5	0.0%	2023256	< 0.5	< 0.5	0.0%								
Na	2023240	1.84	1.81	1.6%	2023256	2.38	2.44	2.5%								
Ni	2023240	81.9	77.8	5.1%	2023256	37.9	37.0	2.4%								
P	2023240	843	818	3.0%	2023256	363	362	0.3%								
Pb	2023240	2	3		2023256	< 1	1									
Rb	2023240	34	33	3.0%	2023256	24	24	0.0%								
S	2023240	0.16	0.16	0.0%	2023256	0.12	0.12	0.0%								
Sb	2023240	< 1	< 1	0.0%	2023256	< 1	< 1	0.0%								
Sc	2023240	30	28	6.9%	2023256	23	23	0.0%								
Se	2023240	< 10	< 10	0.0%	2023256	< 10	< 10	0.0%								
Sn	2023240	< 5	< 5	0.0%	2023256	< 5	< 5	0.0%								
Sr	2023240	332	334	0.6%	2023256	297	304	2.3%								
Ta	2023240	< 10	< 10	0.0%	2023256	< 10	< 10	0.0%								
Te	2023240	< 10	< 10	0.0%	2023256	< 10	< 10	0.0%								
Th	2023240	< 5	< 5	0.0%	2023256	< 5	< 5	0.0%								
Ti	2023240	0.706	0.682	3.5%	2023256	0.391	0.396	1.3%								
Tl	2023240	< 5	< 5	0.0%	2023256	< 5	< 5	0.0%								
U	2023240	< 5	< 5	0.0%	2023256	< 5	< 5	0.0%								
V	2023240	331	317	4.3%	2023256	190	191	0.5%								
W	2023240	< 1	< 1	0.0%	2023256	< 1	< 1	0.0%								
Y	2023240	19	18	5.4%	2023256	13	13	0.0%								
Zn	2023240	89.5	90.5	1.1%	2023256	68.9	68.0	1.3%								
Zr	2023240	82	76	7.6%	2023256	47	42	11.2%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2023190	4	3	28.6%	2023205	2	< 1		2023215	6	7	15.4%	2023230	6	5	18.2%
Pd	2023190	6	6	0.0%	2023205	< 1	< 1	0.0%	2023215	54	61	12.2%	2023230	59	60	1.7%
Pt	2023190	< 5	6		2023205	< 5	< 5	0.0%	2023215	58	62	6.7%	2023230	61	64	4.8%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2023240	7	7	0.0%	2023256	4	4	0.0%								
Pd	2023240	12	13	8.0%	2023256	16	17	6.1%								
Pt	2023240	17	12		2023256	29	28	3.5%								

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AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	2.96	98%	90% - 110%				
Al	8.47	8.36	99%	90% - 110%	6.96	6.79	98%	90% - 110%	4.75	4.77	101%	90% - 110%	8.47	8.01	95%	90% - 110%
As	26	28	107%	90% - 110%	124	117	95%	90% - 110%					26	25	97%	90% - 110%
Ba	540	516	96%	90% - 110%	186	179	96%	90% - 110%	216	217	100%	90% - 110%	540	506	94%	90% - 110%
Be	4.0	3.3	82%	90% - 110%									4.0	3.1	78%	90% - 110%
Ca	0.907	0.897	99%	90% - 110%	4.01	3.74	93%	90% - 110%	10	9	90%	90% - 110%	0.907	0.847	93%	90% - 110%
Ce	98	96	98%	90% - 110%	24	22	92%	90% - 110%					98	98	100%	90% - 110%
Co	13	13	99%	90% - 110%	22.1	23	104%	90% - 110%	191	173	91%	90% - 110%	13	12	96%	90% - 110%
Cr	60.3	64.6	107%	90% - 110%					670	616	91%	90% - 110%	60.3	57.4	95%	90% - 110%
Cu	150	148	99%	90% - 110%	88.6	83.2	94%	90% - 110%	7120	6892	97%	90% - 110%	150	143	95%	90% - 110%
Fe	3.77	3.76	100%	90% - 110%	7.56	7.14	94%	90% - 110%	12.71	11.85	93%	90% - 110%	3.77	3.69	98%	90% - 110%
K					2.021	2.079	103%	90% - 110%	0.1021	0.1101	108%	90% - 110%				
La	44	42	96%	90% - 110%									44	43	99%	90% - 110%
Li	47	47	100%	90% - 110%									47	47	101%	90% - 110%
Mg	1.10	1.07	97%	90% - 110%	2.412	2.304	96%	90% - 110%	7.41	7.02	95%	90% - 110%	1.10	1.04	94%	90% - 110%
Mn	780	740	95%	90% - 110%	1510	1383	92%	90% - 110%					780	721	92%	90% - 110%
Mo	14	14	99%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.672	103%	90% - 110%	0.617	0.616	100%	90% - 110%	0.112	0.122	109%	90% - 110%	1.624	1.659	102%	90% - 110%
Ni	32	33	103%	90% - 110%	77.1	71	92%	90% - 110%	2480	2359	95%	90% - 110%	32	32	100%	90% - 110%
P	750	778	104%	90% - 110%	892	907	102%	90% - 110%	731	721	99%	90% - 110%	750	773	103%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	151	105%	90% - 110%									143	143	100%	90% - 110%
S					0.348	0.379	109%	90% - 110%								
Sc	12	12	98%	90% - 110%					21.33	19.34	91%	90% - 110%	12	11	96%	90% - 110%
Sr	144	149	103%	90% - 110%	92.8	87.4	94%	90% - 110%	39	38	96%	90% - 110%	144	145	101%	90% - 110%
Ti	0.53	0.5	94%	90% - 110%					0.419	0.413	98%	90% - 110%	0.53	0.53	100%	90% - 110%
V	77	80	104%	90% - 110%					158	158	100%	90% - 110%	77	79	102%	90% - 110%
W	5	5	103%	90% - 110%									5	5	91%	90% - 110%
Y									12.67	11.77	93%	90% - 110%				
Zn	130	123	95%	90% - 110%	208	201	96%	90% - 110%	112	111	99%	90% - 110%	130	123	95%	90% - 110%
Zr									35.7	37.7	105%	90% - 110%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	2028	107%	90% - 110%	1897	2054	108%	90% - 110%	1897	2058	108%	90% - 110%				
Pd	1660	1822	110%	90% - 110%	1660	1765	106%	90% - 110%	1660	1776	106%	90% - 110%				
Pt	223	233	104%	90% - 110%	223	235	105%	90% - 110%	223	244	109%	90% - 110%				

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T704861

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T704863

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Mar 25, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155267 (2023297)	2.80
155268 (2023298)	2.34
155269 (2023299)	2.69
155270 (2023300)	0.77
155271 (2023301)	2.52
155272 (2023302)	2.47
155273 (2023303)	2.48
155274 (2023304)	2.50
155275 (2023305)	2.50
155276 (2023306)	2.45
155277 (2023307)	2.54
155278 (2023308)	2.49
155279 (2023309)	2.60
155280 (2023310)	2.44
155281 (2023311)	2.42
155282 (2023312)	2.42
155283 (2023313)	1.22
155284 (2023314)	1.13
155285 (2023315)	2.56
155286 (2023316)	2.55
155287 (2023317)	2.38
155288 (2023318)	2.21
155289 (2023319)	2.57
155290 (2023320)	0.11
155291 (2023321)	2.51
155292 (2023322)	2.45
155293 (2023323)	2.33
155294 (2023324)	2.48
155295 (2023325)	2.54
155296 (2023326)	2.69
155297 (2023327)	2.71

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155298 (2023328)	2.45
155299 (2023329)	2.51
155300 (2023330)	0.82
155301 (2023331)	2.61
155302 (2023332)	2.48
155303 (2023333)	2.38
155304 (2023334)	2.55
155305 (2023335)	2.46
155306 (2023336)	2.50
155307 (2023337)	2.52
155308 (2023338)	2.45
155309 (2023339)	1.23
155310 (2023340)	1.22
155311 (2023341)	2.46
155312 (2023342)	2.34
155313 (2023343)	2.44
155314 (2023344)	2.33
155315 (2023345)	2.42
155316 (2023346)	2.51
155317 (2023347)	2.30
155318 (2023348)	2.38
155319 (2023349)	2.49
155320 (2023350)	0.11
155321 (2023351)	2.45
155322 (2023352)	2.53
155323 (2023353)	2.62
155324 (2023354)	2.36
155325 (2023355)	2.43
155326 (2023356)	2.38
155327 (2023357)	2.55
155328 (2023358)	2.52

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155329 (2023359)	2.52
155330 (2023360)	0.86
155331 (2023361)	2.44
155332 (2023362)	2.45
155333 (2023363)	2.50
155334 (2023364)	2.40
155335 (2023365)	2.59
155336 (2023366)	2.49
155337 (2023367)	2.36
155338 (2023368)	2.49

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155267 (2023297)	<0.5	7.61	<1	234	<0.5	<1	6.65	<0.5	17	47.5	47.2	157	9.05	17
155268 (2023298)	<0.5	7.02	<1	197	<0.5	<1	6.40	<0.5	22	50.4	41.7	146	9.16	18
155269 (2023299)	<0.5	9.75	<1	322	<0.5	<1	6.62	<0.5	19	34.9	40.8	116	6.74	21
155270 (2023300)	<0.5	0.03	<1	1490	<0.5	<1	18.3	<0.5	<1	<0.5	13.1	<0.5	0.06	<5
155271 (2023301)	<0.5	7.31	<1	162	<0.5	<1	7.05	<0.5	13	52.1	36.0	125	9.30	17
155272 (2023302)	<0.5	7.43	<1	169	<0.5	<1	6.98	<0.5	14	53.3	41.2	103	9.43	17
155273 (2023303)	<0.5	7.76	<1	165	<0.5	<1	7.05	<0.5	13	52.6	52.7	117	9.21	17
155274 (2023304)	<0.5	7.21	<1	162	<0.5	<1	6.94	<0.5	12	53.8	23.5	128	9.60	16
155275 (2023305)	<0.5	7.05	<1	223	<0.5	<1	7.16	<0.5	15	55.8	32.9	222	10.4	17
155276 (2023306)	<0.5	7.29	<1	201	<0.5	<1	6.63	<0.5	19	51.0	34.8	199	9.61	19
155277 (2023307)	<0.5	7.33	<1	150	<0.5	<1	6.68	<0.5	20	51.1	33.4	169	9.60	17
155278 (2023308)	<0.5	7.18	<1	153	<0.5	<1	6.79	<0.5	19	48.3	31.1	208	9.12	18
155279 (2023309)	<0.5	7.52	<1	189	<0.5	<1	6.57	<0.5	16	49.8	27.1	135	9.59	19
155280 (2023310)	<0.5	6.80	<1	238	<0.5	<1	6.58	<0.5	21	52.0	35.4	180	9.22	18
155281 (2023311)	<0.5	6.77	<1	231	<0.5	<1	6.79	<0.5	25	52.6	45.0	287	9.21	19
155282 (2023312)	<0.5	7.77	<1	202	<0.5	<1	6.78	<0.5	13	48.7	39.3	110	8.55	18
155283 (2023313)	<0.5	7.57	<1	266	<0.5	<1	7.09	<0.5	18	49.4	28.1	278	8.96	17
155284 (2023314)	<0.5	7.71	<1	266	<0.5	<1	7.45	<0.5	19	48.2	30.9	379	9.23	19
155285 (2023315)	<0.5	7.47	<1	254	<0.5	<1	6.86	<0.5	22	48.7	39.2	150	8.74	19
155286 (2023316)	<0.5	7.57	<1	190	<0.5	<1	7.11	<0.5	21	45.8	39.7	127	8.35	18
155287 (2023317)	<0.5	6.61	<1	76	<0.5	<1	5.69	<0.5	19	45.7	44.5	86.2	8.23	15
155288 (2023318)	<0.5	7.31	<1	27	<0.5	<1	5.68	<0.5	22	47.9	34.6	111	8.70	19
155289 (2023319)	0.5	6.65	<1	22	<0.5	<1	6.27	<0.5	16	55.1	35.3	2750	8.92	15
155290 (2023320)	3.4	6.68	<1	277	0.6	<1	3.94	0.9	26	163	239	6820	14.5	<5
155291 (2023321)	<0.5	6.99	<1	28	<0.5	<1	5.96	<0.5	16	43.3	30.3	18.9	7.79	15
155292 (2023322)	<0.5	7.05	<1	56	<0.5	<1	5.79	<0.5	16	46.0	38.2	21.8	7.91	15
155293 (2023323)	<0.5	7.85	<1	331	<0.5	<1	6.62	<0.5	12	49.0	40.1	66.7	8.46	18
155294 (2023324)	<0.5	8.43	<1	169	<0.5	<1	7.69	<0.5	16	46.7	45.8	107	7.86	18
155295 (2023325)	<0.5	7.95	<1	184	<0.5	<1	6.88	<0.5	17	47.1	34.6	72.4	7.87	17
155296 (2023326)	<0.5	7.42	<1	201	<0.5	<1	6.73	<0.5	16	47.8	32.9	120	8.35	16
155297 (2023327)	<0.5	7.70	<1	230	<0.5	<1	6.58	<0.5	20	46.8	29.2	107	7.89	18
155298 (2023328)	<0.5	7.67	<1	178	<0.5	<1	7.07	<0.5	18	47.5	36.7	92.4	8.24	16

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155299 (2023329)	<0.5	7.44	<1	200	<0.5	<1	6.95	<0.5	24	46.8	31.7	142	8.85	18
155300 (2023330)	<0.5	0.03	<1	927	<0.5	<1	18.5	<0.5	<1	<0.5	4.1	<0.5	0.05	<5
155301 (2023331)	<0.5	7.44	<1	245	<0.5	<1	6.75	<0.5	20	48.4	38.1	122	8.63	20
155302 (2023332)	<0.5	7.47	<1	226	<0.5	<1	6.26	<0.5	20	49.1	45.7	84.8	8.35	18
155303 (2023333)	<0.5	6.94	<1	126	<0.5	<1	5.73	<0.5	20	51.8	28.0	75.6	8.87	19
155304 (2023334)	<0.5	7.42	<1	117	<0.5	<1	7.49	<0.5	23	46.0	34.1	203	8.85	18
155305 (2023335)	<0.5	7.13	<1	209	<0.5	<1	6.60	<0.5	25	46.6	32.5	164	8.34	18
155306 (2023336)	<0.5	7.73	<1	222	<0.5	<1	7.70	<0.5	19	46.3	46.2	133	8.45	18
155307 (2023337)	<0.5	8.11	<1	180	<0.5	<1	7.35	<0.5	18	48.3	46.5	90.6	8.27	17
155308 (2023338)	<0.5	7.66	<1	285	<0.5	<1	7.28	<0.5	15	50.6	35.3	111	8.89	18
155309 (2023339)	<0.5	7.38	<1	323	<0.5	<1	6.85	<0.5	18	49.9	45.4	148	8.59	18
155310 (2023340)	<0.5	7.65	<1	327	<0.5	<1	7.14	<0.5	20	49.4	50.7	142	8.81	17
155311 (2023341)	<0.5	7.70	<1	241	<0.5	<1	6.78	<0.5	24	44.7	57.3	116	8.31	18
155312 (2023342)	<0.5	7.62	<1	194	<0.5	<1	6.53	<0.5	25	43.9	39.8	134	8.25	17
155313 (2023343)	<0.5	7.78	<1	216	<0.5	<1	6.45	<0.5	25	45.9	36.8	131	8.60	18
155314 (2023344)	<0.5	7.64	<1	305	<0.5	<1	6.26	<0.5	19	45.0	40.3	136	8.46	17
155315 (2023345)	<0.5	7.17	<1	272	<0.5	<1	6.57	<0.5	23	40.9	43.7	139	7.84	17
155316 (2023346)	<0.5	7.86	<1	310	<0.5	<1	6.71	<0.5	25	44.3	40.4	173	8.61	20
155317 (2023347)	<0.5	8.09	<1	358	<0.5	<1	6.22	<0.5	16	51.1	38.9	83.1	9.63	17
155318 (2023348)	<0.5	7.18	<1	365	<0.5	<1	6.15	<0.5	18	47.9	32.2	118	8.48	16
155319 (2023349)	<0.5	7.83	<1	412	<0.5	<1	6.07	<0.5	18	46.4	44.7	74.1	8.17	18
155320 (2023350)	3.4	6.57	<1	274	0.6	<1	3.80	0.6	26	164	228	6910	14.7	<5
155321 (2023351)	<0.5	7.49	<1	290	<0.5	<1	6.68	<0.5	15	47.3	43.9	93.6	8.01	17
155322 (2023352)	<0.5	7.67	<1	368	<0.5	<1	7.01	<0.5	13	47.5	43.2	149	8.43	15
155323 (2023353)	<0.5	7.62	<1	368	<0.5	<1	6.93	<0.5	12	50.6	33.2	178	8.68	18
155324 (2023354)	<0.5	7.35	<1	369	<0.5	<1	6.73	<0.5	12	50.1	40.1	183	8.49	17
155325 (2023355)	<0.5	7.83	<1	444	<0.5	<1	7.24	<0.5	15	48.4	36.1	367	9.07	19
155326 (2023356)	<0.5	6.95	<1	506	<0.5	<1	6.47	<0.5	41	47.4	36.3	381	10.1	21
155327 (2023357)	<0.5	7.57	<1	496	0.6	<1	7.46	<0.5	23	56.4	38.4	232	10.6	18
155328 (2023358)	<0.5	7.26	<1	439	<0.5	<1	7.05	<0.5	23	46.1	48.2	201	8.76	17
155329 (2023359)	<0.5	7.88	<1	356	<0.5	<1	7.12	<0.5	17	44.8	47.3	85.6	7.97	17
155330 (2023360)	<0.5	0.04	<1	1030	<0.5	<1	18.1	<0.5	<1	<0.5	15.1	<0.5	0.06	<5

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AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155331 (2023361)	<0.5	7.28	<1	188	<0.5	<1	6.81	<0.5	18	49.0	39.7	137	8.44	19
155332 (2023362)	<0.5	7.61	<1	138	<0.5	<1	6.83	<0.5	17	45.4	39.4	136	8.22	16
155333 (2023363)	<0.5	7.47	<1	212	<0.5	<1	6.82	<0.5	19	43.1	54.0	123	8.15	18
155334 (2023364)	<0.5	7.65	<1	227	<0.5	<1	7.14	<0.5	21	46.7	40.4	166	8.21	18
155335 (2023365)	<0.5	7.63	<1	277	<0.5	<1	7.20	<0.5	17	44.7	47.7	145	8.00	17
155336 (2023366)	<0.5	7.75	<1	308	<0.5	<1	7.53	<0.5	16	48.0	47.5	170	8.44	17
155337 (2023367)	<0.5	8.16	<1	258	<0.5	<1	7.52	<0.5	16	44.6	56.7	150	7.94	17
155338 (2023368)	<0.5	8.33	<1	266	0.7	<1	7.54	<0.5	23	46.2	44.2	130	8.20	19

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Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155267 (2023297)	<1	0.68	8	16	3.24	1430	3.1	1.68	57.5	318	<1	25	0.11	<1
155268 (2023298)	<1	0.58	9	16	3.42	1460	2.9	1.70	57.6	373	2	22	0.11	<1
155269 (2023299)	<1	0.79	9	19	2.26	1030	4.2	2.35	41.9	361	<1	28	0.10	<1
155270 (2023300)	4	0.01	3	7	12.6	452	1.9	0.02	0.7	34	1	<10	0.29	<1
155271 (2023301)	<1	0.44	6	15	3.54	1470	2.5	1.66	66.2	237	<1	16	0.11	<1
155272 (2023302)	<1	0.42	6	15	3.71	1480	2.4	1.76	71.2	262	<1	15	0.11	<1
155273 (2023303)	<1	0.41	5	14	3.71	1450	3.8	1.84	70.2	248	<1	14	0.11	<1
155274 (2023304)	<1	0.41	5	13	3.74	1500	1.0	1.71	72.4	222	<1	14	0.11	<1
155275 (2023305)	<1	0.51	6	13	3.67	1590	1.1	1.60	69.5	282	1	17	0.12	<1
155276 (2023306)	<1	0.48	8	17	3.54	1510	1.3	1.90	64.9	333	1	17	0.11	<1
155277 (2023307)	<1	0.35	9	17	3.61	1540	1.7	2.06	64.7	364	3	11	0.11	<1
155278 (2023308)	<1	0.38	9	16	3.57	1480	1.3	1.95	67.1	350	2	13	0.12	<1
155279 (2023309)	<1	0.45	7	18	3.57	1490	1.1	1.95	64.0	277	1	15	0.10	<1
155280 (2023310)	<1	0.54	9	13	3.42	1470	1.8	1.58	68.5	378	2	19	0.11	<1
155281 (2023311)	<1	0.53	11	14	3.54	1460	1.4	1.57	73.1	425	<1	19	0.13	<1
155282 (2023312)	<1	0.51	6	17	3.67	1380	2.2	1.86	64.7	228	<1	17	0.11	<1
155283 (2023313)	<1	0.64	8	15	3.43	1430	1.1	1.62	67.3	302	<1	22	0.13	<1
155284 (2023314)	<1	0.64	8	16	3.44	1460	1.7	1.61	68.0	344	1	22	0.15	<1
155285 (2023315)	<1	0.63	9	16	3.36	1410	1.7	1.58	63.8	388	<1	21	0.12	<1
155286 (2023316)	<1	0.47	9	13	3.23	1370	2.1	1.65	61.2	376	<1	15	0.11	<1
155287 (2023317)	<1	0.19	8	14	3.54	1360	2.5	1.91	65.4	314	<1	<10	0.09	<1
155288 (2023318)	<1	0.08	10	16	3.74	1300	1.5	2.45	65.6	361	<1	<10	0.09	<1
155289 (2023319)	<1	0.07	7	9	3.80	1300	<0.5	2.59	82.3	301	2	<10	0.37	<1
155290 (2023320)	<1	0.63	11	13	3.78	1090	2.6	1.84	9560	591	40	17	2.33	<1
155291 (2023321)	<1	0.06	7	9	3.67	1220	0.8	2.92	71.2	286	<1	<10	0.09	<1
155292 (2023322)	<1	0.11	7	11	3.68	1280	1.3	2.68	66.1	275	<1	<10	0.08	<1
155293 (2023323)	<1	0.36	5	16	3.77	1410	0.6	1.92	72.2	194	<1	<10	0.10	<1
155294 (2023324)	<1	0.39	7	14	3.51	1360	2.4	1.64	70.9	294	<1	13	0.11	<1
155295 (2023325)	<1	0.49	7	16	3.68	1350	1.6	1.62	70.2	292	<1	17	0.11	<1
155296 (2023326)	<1	0.63	7	19	3.60	1380	1.2	1.48	72.0	297	<1	22	0.11	<1
155297 (2023327)	<1	0.71	10	17	3.44	1390	1.2	1.85	66.8	357	<1	27	0.11	<1
155298 (2023328)	<1	0.47	8	13	3.48	1460	1.6	1.72	70.8	302	<1	16	0.11	<1

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PROJECT: East Bull

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ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155299 (2023329)	<1	0.46	11	14	3.38	1500	1.6	1.70	67.8	416	<1	14	0.11	<1
155300 (2023330)	<1	0.01	3	13	12.3	434	0.8	0.03	0.8	35	<1	<10	0.28	<1
155301 (2023331)	<1	0.60	9	16	3.52	1450	2.6	1.63	69.6	335	<1	21	0.11	<1
155302 (2023332)	<1	0.55	9	17	3.59	1370	2.4	1.93	67.0	355	<1	19	0.10	<1
155303 (2023333)	<1	0.32	9	18	3.76	1420	1.1	1.91	69.7	327	<1	11	0.09	<1
155304 (2023334)	<1	0.30	10	14	3.41	1460	1.3	1.54	67.1	420	<1	<10	0.13	<1
155305 (2023335)	<1	0.51	11	14	3.33	1360	1.7	1.60	63.5	443	<1	17	0.11	<1
155306 (2023336)	<1	0.53	8	14	3.53	1440	2.5	1.53	69.0	338	<1	17	0.12	<1
155307 (2023337)	<1	0.42	8	15	3.74	1390	2.2	1.68	69.9	311	<1	13	0.11	<1
155308 (2023338)	<1	0.71	7	15	3.72	1420	1.0	1.45	78.3	264	<1	24	0.11	<1
155309 (2023339)	<1	0.75	8	17	3.50	1360	1.7	1.48	68.8	333	<1	25	0.11	<1
155310 (2023340)	<1	0.74	8	17	3.53	1390	2.9	1.53	70.1	329	<1	26	0.11	<1
155311 (2023341)	<1	0.53	11	15	3.13	1340	4.1	1.69	57.2	400	<1	17	0.11	<1
155312 (2023342)	<1	0.42	11	17	3.20	1370	2.1	1.98	56.1	430	<1	14	0.13	<1
155313 (2023343)	<1	0.45	11	18	3.33	1410	2.5	1.99	54.8	438	<1	15	0.16	<1
155314 (2023344)	<1	0.68	8	20	3.45	1370	1.7	1.80	59.7	327	2	23	0.17	<1
155315 (2023345)	<1	0.65	10	20	3.03	1310	2.7	1.73	52.7	391	1	21	0.14	<1
155316 (2023346)	<1	0.72	11	19	3.19	1370	1.8	1.83	59.8	417	<1	27	0.15	<1
155317 (2023347)	<1	0.98	7	24	4.16	1560	0.9	2.26	68.8	281	<1	32	0.11	<1
155318 (2023348)	<1	0.97	8	23	3.61	1330	0.8	1.59	69.4	311	<1	36	0.10	<1
155319 (2023349)	<1	1.09	8	23	3.53	1300	2.1	1.84	64.3	299	<1	41	0.09	<1
155320 (2023350)	<1	0.64	11	13	3.67	1070	2.3	1.83	9630	577	40	17	2.34	<1
155321 (2023351)	<1	0.73	6	14	3.54	1300	1.6	1.54	71.0	232	<1	25	0.11	<1
155322 (2023352)	<1	0.90	5	15	3.46	1330	1.8	1.49	71.0	223	<1	30	0.12	<1
155323 (2023353)	<1	0.90	5	16	3.50	1370	1.0	1.52	74.3	228	<1	30	0.12	<1
155324 (2023354)	<1	0.95	5	16	3.58	1360	0.9	1.44	74.2	189	<1	31	0.12	<1
155325 (2023355)	<1	1.06	6	18	3.08	1320	<0.5	1.41	68.6	313	<1	36	0.15	<1
155326 (2023356)	<1	1.15	18	20	2.57	1380	3.2	1.55	51.3	801	4	41	0.14	<1
155327 (2023357)	<1	1.14	10	18	3.81	1660	1.1	1.60	79.0	402	<1	41	0.14	<1
155328 (2023358)	<1	1.06	10	16	3.35	1340	1.7	1.38	70.3	416	<1	37	0.13	<1
155329 (2023359)	<1	0.85	8	14	3.63	1260	1.4	1.53	72.0	292	<1	26	0.11	<1
155330 (2023360)	1	0.01	2	7	11.8	406	2.1	0.02	1.8	42	1	<10	0.28	<1

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AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155331 (2023361)	<1	0.47	8	14	3.47	1330	1.4	1.55	71.4	303	<1	16	0.14	<1
155332 (2023362)	<1	0.31	8	15	3.31	1320	0.7	1.73	66.0	313	<1	<10	0.13	<1
155333 (2023363)	<1	0.47	9	15	3.30	1280	2.7	1.55	62.6	343	1	15	0.12	<1
155334 (2023364)	<1	0.52	9	14	3.17	1310	1.4	1.52	66.0	381	<1	16	0.18	<1
155335 (2023365)	<1	0.64	7	14	3.22	1280	1.7	1.49	65.0	296	<1	21	0.15	<1
155336 (2023366)	<1	0.72	7	13	3.46	1340	0.9	1.34	68.5	279	<1	23	0.14	<1
155337 (2023367)	<1	0.59	7	13	3.30	1300	1.4	1.55	63.6	269	<1	18	0.13	<1
155338 (2023368)	<1	0.58	11	14	3.39	1450	1.9	1.73	68.0	423	<1	18	0.18	<1

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155267 (2023297)	37	<10	<5	218	<10	<10	<5	0.62	<5	<5	391	<1	15	90.0
155268 (2023298)	43	<10	<5	195	<10	<10	<5	0.55	<5	<5	361	<1	18	90.9
155269 (2023299)	27	<10	<5	316	<10	<10	<5	0.51	<5	5	304	<1	14	67.7
155270 (2023300)	<1	<10	<5	126	<10	<10	<5	<0.01	<5	8	<0.5	<1	<1	13.3
155271 (2023301)	44	<10	<5	219	<10	<10	<5	0.59	<5	<5	460	<1	14	89.4
155272 (2023302)	42	<10	<5	207	<10	<10	<5	0.55	<5	<5	448	<1	14	87.7
155273 (2023303)	41	<10	<5	219	<10	<10	<5	0.54	<5	<5	455	1	13	85.6
155274 (2023304)	41	<10	<5	203	<10	<10	<5	0.61	<5	<5	520	<1	12	87.4
155275 (2023305)	45	<10	<5	184	<10	<10	<5	0.74	<5	<5	505	<1	15	105
155276 (2023306)	44	<10	<5	198	<10	<10	<5	0.80	<5	<5	483	<1	16	97.7
155277 (2023307)	42	<10	<5	200	<10	<10	<5	0.61	<5	<5	366	<1	16	98.5
155278 (2023308)	43	<10	<5	206	<10	<10	<5	0.70	<5	<5	397	<1	17	95.3
155279 (2023309)	41	<10	<5	212	<10	<10	<5	0.55	<5	<5	369	<1	15	92.9
155280 (2023310)	43	<10	<5	194	<10	<10	<5	0.62	<5	5	403	<1	18	86.1
155281 (2023311)	42	<10	<5	192	<10	10	<5	0.75	<5	<5	462	<1	19	88.6
155282 (2023312)	42	<10	<5	218	<10	<10	<5	0.40	<5	<5	311	<1	13	87.8
155283 (2023313)	42	<10	<5	228	<10	<10	<5	0.58	<5	6	429	<1	16	90.7
155284 (2023314)	40	<10	<5	234	<10	<10	<5	0.73	<5	<5	478	<1	16	94.1
155285 (2023315)	41	<10	<5	234	<10	<10	<5	0.56	<5	<5	385	<1	17	85.5
155286 (2023316)	40	<10	<5	252	<10	<10	<5	0.48	<5	<5	306	<1	17	82.1
155287 (2023317)	39	<10	<5	190	<10	10	<5	0.42	<5	<5	283	<1	15	84.1
155288 (2023318)	38	<10	<5	237	<10	<10	<5	0.44	<5	<5	286	<1	17	83.6
155289 (2023319)	40	<10	<5	221	<10	<10	<5	0.56	<5	5	305	<1	14	85.1
155290 (2023320)	11	<10	<5	290	<10	<10	<5	0.58	<5	<5	109	1	11	111
155291 (2023321)	43	<10	<5	215	<10	<10	<5	0.44	<5	<5	286	<1	13	77.0
155292 (2023322)	41	<10	<5	194	<10	<10	<5	0.43	<5	<5	276	<1	14	81.1
155293 (2023323)	41	<10	<5	230	<10	<10	<5	0.35	<5	<5	265	<1	13	87.1
155294 (2023324)	40	<10	<5	255	<10	<10	<5	0.46	<5	<5	315	<1	14	81.8
155295 (2023325)	38	<10	<5	235	<10	<10	<5	0.41	<5	<5	281	<1	14	85.5
155296 (2023326)	39	<10	<5	221	<10	<10	<5	0.55	<5	<5	384	<1	14	85.5
155297 (2023327)	41	<10	<5	237	<10	<10	<5	0.40	<5	<5	274	<1	16	83.0
155298 (2023328)	43	<10	<5	246	<10	10	<5	0.39	<5	6	265	<1	15	86.5

Certified By:

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AGAT Laboratories

5623 McADAM ROAD
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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155299 (2023329)	41	<10	<5	232	<10	<10	<5	0.47	<5	<5	306	<1	18	89.8
155300 (2023330)	<1	<10	<5	114	<10	<10	<5	<0.01	<5	6	<0.5	<1	<1	13.2
155301 (2023331)	41	<10	<5	222	<10	<10	<5	0.53	<5	<5	362	<1	16	90.1
155302 (2023332)	40	<10	<5	212	<10	<10	<5	0.39	<5	<5	294	<1	16	87.8
155303 (2023333)	41	<10	<5	172	<10	<10	<5	0.47	<5	<5	363	<1	16	91.8
155304 (2023334)	38	<10	<5	244	<10	<10	<5	0.77	<5	<5	491	<1	17	88.0
155305 (2023335)	41	<10	<5	210	<10	<10	<5	0.59	<5	<5	360	<1	19	84.3
155306 (2023336)	43	<10	<5	233	<10	<10	<5	0.59	<5	<5	385	<1	16	85.2
155307 (2023337)	41	<10	<5	226	<10	10	<5	0.38	<5	<5	259	<1	15	87.8
155308 (2023338)	43	<10	<5	211	<10	<10	<5	0.50	<5	5	394	<1	14	88.4
155309 (2023339)	42	<10	<5	209	<10	<10	<5	0.50	<5	6	375	<1	16	86.2
155310 (2023340)	42	<10	<5	216	<10	<10	<5	0.56	<5	<5	393	<1	16	85.4
155311 (2023341)	38	<10	<5	238	<10	<10	<5	0.43	<5	<5	252	<1	18	81.0
155312 (2023342)	39	<10	<5	224	<10	<10	<5	0.45	<5	<5	274	<1	18	82.1
155313 (2023343)	40	<10	<5	220	<10	<10	<5	0.44	<5	<5	275	<1	19	90.7
155314 (2023344)	39	<10	<5	214	<10	<10	<5	0.47	<5	<5	284	<1	16	95.4
155315 (2023345)	37	<10	<5	213	<10	<10	<5	0.49	<5	<5	288	<1	18	77.7
155316 (2023346)	40	<10	<5	242	<10	<10	<5	0.60	<5	<5	339	<1	18	84.4
155317 (2023347)	42	<10	<5	173	<10	<10	<5	0.42	<5	7	299	<1	15	88.9
155318 (2023348)	39	<10	<5	196	<10	<10	<5	0.48	<5	<5	358	<1	15	74.5
155319 (2023349)	41	<10	<5	213	<10	<10	<5	0.33	<5	<5	258	<1	15	77.4
155320 (2023350)	11	<10	<5	287	<10	11	<5	0.57	<5	<5	108	2	11	111
155321 (2023351)	40	<10	<5	200	<10	<10	<5	0.45	<5	<5	361	<1	13	79.0
155322 (2023352)	39	<10	<5	210	<10	<10	<5	0.52	<5	<5	418	<1	12	84.2
155323 (2023353)	41	<10	<5	204	<10	<10	<5	0.56	<5	<5	467	<1	12	83.5
155324 (2023354)	41	<10	<5	197	<10	<10	<5	0.51	<5	5	438	<1	12	84.7
155325 (2023355)	38	<10	<5	221	<10	<10	<5	0.88	<5	<5	603	<1	13	83.8
155326 (2023356)	37	<10	<5	200	<10	<10	<5	0.81	<5	<5	436	<1	26	89.1
155327 (2023357)	47	<10	<5	189	<10	<10	<5	0.66	<5	6	450	<1	19	94.4
155328 (2023358)	41	<10	<5	205	<10	<10	<5	0.59	<5	<5	396	<1	18	82.2
155329 (2023359)	40	<10	<5	223	<10	<10	<5	0.39	<5	<5	261	<1	15	80.5
155330 (2023360)	<1	<10	<5	119	<10	<10	<5	<0.01	<5	7	<0.5	<1	<1	16.8

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155331 (2023361)	41	<10	<5	198	<10	<10	<5	0.57	<5	5	367	<1	15	82.5
155332 (2023362)	38	<10	<5	206	<10	<10	<5	0.51	<5	<5	319	<1	15	80.0
155333 (2023363)	37	<10	<5	213	<10	<10	<5	0.54	<5	<5	332	<1	15	78.9
155334 (2023364)	39	<10	<5	219	<10	<10	<5	0.65	<5	<5	367	<1	16	77.3
155335 (2023365)	40	<10	<5	224	<10	<10	<5	0.51	<5	<5	341	<1	14	76.0
155336 (2023366)	41	<10	<5	218	<10	<10	<5	0.58	<5	<5	376	<1	15	79.3
155337 (2023367)	40	<10	<5	237	<10	<10	<5	0.51	<5	5	329	<1	14	78.4
155338 (2023368)	43	<10	<5	255	<10	<10	<5	0.50	<5	8	312	<1	19	79.3

Certified By:

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ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155267 (2023297)	45
155268 (2023298)	56
155269 (2023299)	51
155270 (2023300)	<5
155271 (2023301)	38
155272 (2023302)	38
155273 (2023303)	36
155274 (2023304)	34
155275 (2023305)	42
155276 (2023306)	46
155277 (2023307)	52
155278 (2023308)	51
155279 (2023309)	43
155280 (2023310)	53
155281 (2023311)	58
155282 (2023312)	34
155283 (2023313)	48
155284 (2023314)	50
155285 (2023315)	52
155286 (2023316)	48
155287 (2023317)	46
155288 (2023318)	51
155289 (2023319)	42
155290 (2023320)	51
155291 (2023321)	42
155292 (2023322)	37
155293 (2023323)	30
155294 (2023324)	44
155295 (2023325)	43
155296 (2023326)	44
155297 (2023327)	55
155298 (2023328)	51

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155299 (2023329)	58
155300 (2023330)	<5
155301 (2023331)	50
155302 (2023332)	50
155303 (2023333)	47
155304 (2023334)	66
155305 (2023335)	56
155306 (2023336)	48
155307 (2023337)	47
155308 (2023338)	37
155309 (2023339)	46
155310 (2023340)	49
155311 (2023341)	64
155312 (2023342)	65
155313 (2023343)	59
155314 (2023344)	45
155315 (2023345)	57
155316 (2023346)	64
155317 (2023347)	41
155318 (2023348)	50
155319 (2023349)	43
155320 (2023350)	53
155321 (2023351)	34
155322 (2023352)	34
155323 (2023353)	35
155324 (2023354)	32
155325 (2023355)	38
155326 (2023356)	89
155327 (2023357)	59
155328 (2023358)	60
155329 (2023359)	37
155330 (2023360)	<5

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155331 (2023361)	46
155332 (2023362)	45
155333 (2023363)	47
155334 (2023364)	63
155335 (2023365)	42
155336 (2023366)	39
155337 (2023367)	40
155338 (2023368)	67

Comments: RDL - Reported Detection Limit

2023297-2023368 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories
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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155267 (2023297)	5	29	27
155268 (2023298)	5	38	36
155269 (2023299)	5	49	47
155270 (2023300)	<1	<1	<5
155271 (2023301)	5	36	41
155272 (2023302)	7	51	47
155273 (2023303)	8	73	64
155274 (2023304)	12	133	89
155275 (2023305)	8	33	35
155276 (2023306)	6	33	31
155277 (2023307)	7	38	34
155278 (2023308)	11	33	40
155279 (2023309)	9	24	49
155280 (2023310)	12	25	24
155281 (2023311)	21	27	35
155282 (2023312)	6	25	32
155283 (2023313)	14	37	43
155284 (2023314)	15	38	44
155285 (2023315)	10	30	26
155286 (2023316)	6	32	42
155287 (2023317)	4	25	32
155288 (2023318)	4	21	30
155289 (2023319)	11	21	20
155290 (2023320)	171	1480	705
155291 (2023321)	<1	23	21
155292 (2023322)	1	19	18
155293 (2023323)	3	24	22
155294 (2023324)	5	17	14
155295 (2023325)	3	17	16
155296 (2023326)	3	18	21
155297 (2023327)	4	20	24
155298 (2023328)	4	15	17

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155299 (2023329)	6	28	27
155300 (2023330)	<1	<1	<5
155301 (2023331)	5	44	37
155302 (2023332)	3	21	26
155303 (2023333)	8	39	45
155304 (2023334)	11	34	40
155305 (2023335)	6	44	42
155306 (2023336)	7	20	20
155307 (2023337)	4	16	17
155308 (2023338)	5	45	40
155309 (2023339)	7	59	47
155310 (2023340)	8	71	55
155311 (2023341)	4	12	13
155312 (2023342)	5	13	12
155313 (2023343)	3	19	17
155314 (2023344)	3	23	25
155315 (2023345)	4	16	25
155316 (2023346)	5	18	24
155317 (2023347)	4	17	28
155318 (2023348)	4	23	21
155319 (2023349)	6	18	16
155320 (2023350)	171	1320	719
155321 (2023351)	5	58	62
155322 (2023352)	7	110	95
155323 (2023353)	14	50	91
155324 (2023354)	19	40	61
155325 (2023355)	23	46	51
155326 (2023356)	14	20	20
155327 (2023357)	9	17	20
155328 (2023358)	6	20	13
155329 (2023359)	4	14	11
155330 (2023360)	<1	<1	<5

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155331 (2023361)	6	36	30
155332 (2023362)	6	29	44
155333 (2023363)	5	23	27
155334 (2023364)	11	21	23
155335 (2023365)	6	19	22
155336 (2023366)	7	19	21
155337 (2023367)	5	16	23
155338 (2023368)	4	11	14

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155267 (2023297)	80
155286 (2023316)	76.8
155306 (2023336)	92.4
155326 (2023356)	82.6

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155267 (2023297)	86.77
155285 (2023315)	86.25
155304 (2023334)	85.96
155322 (2023352)	86.53

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2023297	< 0.5	< 0.5	0.0%	2023312	< 0.5	< 0.5	0.0%	2023322	< 0.5	< 0.5	0.0%	2023337	< 0.5	< 0.5	0.0%
Al	2023297	7.61	7.79	2.3%	2023312	7.77	7.86	1.2%	2023322	7.05	7.32	3.8%	2023337	8.11	7.67	5.6%
As	2023297	< 1	< 1	0.0%	2023312	< 1	< 1	0.0%	2023322	< 1	< 1	0.0%	2023337	< 1	< 1	0.0%
Ba	2023297	234	243	3.8%	2023312	202	206	2.0%	2023322	56	55	1.8%	2023337	180	174	3.4%
Be	2023297	< 0.5	< 0.5	0.0%	2023312	< 0.5	< 0.5	0.0%	2023322	< 0.5	< 0.5	0.0%	2023337	< 0.5	< 0.5	0.0%
Bi	2023297	< 1	< 1	0.0%	2023312	< 1	< 1	0.0%	2023322	< 1	< 1	0.0%	2023337	< 1	< 1	0.0%
Ca	2023297	6.65	6.76	1.6%	2023312	6.78	6.86	1.2%	2023322	5.79	5.98	3.2%	2023337	7.35	6.98	5.2%
Cd	2023297	< 0.5	< 0.5	0.0%	2023312	< 0.5	< 0.5	0.0%	2023322	< 0.5	< 0.5	0.0%	2023337	< 0.5	< 0.5	0.0%
Ce	2023297	17	18	5.7%	2023312	13	12	8.0%	2023322	16	16	0.0%	2023337	18	17	5.7%
Co	2023297	47.5	48.4	1.9%	2023312	48.7	48.6	0.2%	2023322	46.0	45.2	1.8%	2023337	48.3	48.0	0.6%
Cr	2023297	47.2	48.0	1.7%	2023312	39.3	35.1	11.3%	2023322	38.2	35.0	8.7%	2023337	46.5	56.2	18.9%
Cu	2023297	157	152	3.2%	2023312	110	112	1.8%	2023322	21.8	20.5	6.1%	2023337	90.6	83.1	8.6%
Fe	2023297	9.05	9.24	2.1%	2023312	8.55	8.53	0.2%	2023322	7.91	8.21	3.7%	2023337	8.27	8.02	3.1%
Ga	2023297	17	19	11.1%	2023312	18	18	0.0%	2023322	15	15	0.0%	2023337	17	17	0.0%
In	2023297	< 1	< 1	0.0%	2023312	< 1	< 1	0.0%	2023322	< 1	< 1	0.0%	2023337	< 1	< 1	0.0%
K	2023297	0.68	0.70	2.9%	2023312	0.51	0.52	1.9%	2023322	0.11	0.11	0.0%	2023337	0.421	0.404	4.1%
La	2023297	8	8	0.0%	2023312	6	6	0.0%	2023322	7	7	0.0%	2023337	8	8	0.0%
Li	2023297	16	17	6.1%	2023312	17	17	0.0%	2023322	11	12	8.7%	2023337	15	15	0.0%
Mg	2023297	3.24	3.28	1.2%	2023312	3.67	3.71	1.1%	2023322	3.68	3.71	0.8%	2023337	3.74	3.62	3.3%
Mn	2023297	1430	1460	2.1%	2023312	1380	1380	0.0%	2023322	1280	1340	4.6%	2023337	1390	1350	2.9%
Mo	2023297	3.1	3.5	12.1%	2023312	2.2	2.2	0.0%	2023322	1.32	1.49	12.1%	2023337	2.2	2.7	20.4%
Na	2023297	1.68	1.72	2.4%	2023312	1.86	1.87	0.5%	2023322	2.68	2.77	3.3%	2023337	1.68	1.63	3.0%
Ni	2023297	57.5	58.1	1.0%	2023312	64.7	64.3	0.6%	2023322	66.1	64.6	2.3%	2023337	69.9	68.6	1.9%
P	2023297	318	328	3.1%	2023312	228	225	1.3%	2023322	275	265	3.7%	2023337	311	310	0.3%
Pb	2023297	< 1	< 1	0.0%	2023312	< 1	< 1	0.0%	2023322	< 1	< 1	0.0%	2023337	< 1	< 1	0.0%
Rb	2023297	25	26	3.9%	2023312	17	17	0.0%	2023322	< 10	< 10	0.0%	2023337	13	13	0.0%
S	2023297	0.11	0.11	0.0%	2023312	0.11	0.11	0.0%	2023322	0.083	0.086	3.6%	2023337	0.111	0.104	6.5%
Sb	2023297	< 1	< 1	0.0%	2023312	< 1	< 1	0.0%	2023322	< 1	< 1	0.0%	2023337	< 1	< 1	0.0%
Sc	2023297	37	38	2.7%	2023312	42	42	0.0%	2023322	41	39	5.0%	2023337	41	40	2.5%
Se	2023297	< 10	< 10	0.0%	2023312	< 10	< 10	0.0%	2023322	< 10	< 10	0.0%	2023337	< 10	< 10	0.0%
Sn	2023297	< 5	< 5	0.0%	2023312	< 5	< 5	0.0%	2023322	< 5	< 5	0.0%	2023337	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark

Sr	2023297	218	222	1.8%	2023312	218	220	0.9%	2023322	194	202	4.0%	2023337	226	214	5.5%
Ta	2023297	< 10	< 10	0.0%	2023312	< 10	< 10	0.0%	2023322	< 10	< 10	0.0%	2023337	< 10	< 10	0.0%
Te	2023297	< 10	< 10	0.0%	2023312	< 10	< 10	0.0%	2023322	< 10	< 10	0.0%	2023337	10	8	22.2%
Th	2023297	< 5	< 5	0.0%	2023312	< 5	< 5	0.0%	2023322	< 5	< 5	0.0%	2023337	< 5	< 5	0.0%
Ti	2023297	0.624	0.643	3.0%	2023312	0.40	0.40	0.0%	2023322	0.432	0.435	0.7%	2023337	0.38	0.38	0.0%
Tl	2023297	< 5	< 5	0.0%	2023312	< 5	< 5	0.0%	2023322	< 5	< 5	0.0%	2023337	< 5	< 5	0.0%
U	2023297	< 5	< 5	0.0%	2023312	< 5	< 5	0.0%	2023322	< 5	< 5	0.0%	2023337	< 5	< 5	0.0%
V	2023297	391	405	3.5%	2023312	311	308	1.0%	2023322	276	267	3.3%	2023337	259	254	1.9%
W	2023297	< 1	< 1	0.0%	2023312	< 1	< 1	0.0%	2023322	< 1	< 1	0.0%	2023337	< 1	< 1	0.0%
Y	2023297	15	15	0.0%	2023312	13	13	0.0%	2023322	14	14	0.0%	2023337	15	14	6.9%
Zn	2023297	90.0	90.5	0.6%	2023312	87.8	89.6	2.0%	2023322	81.1	83.6	3.0%	2023337	87.8	82.8	5.9%
Zr	2023297	45	49	8.5%	2023312	34	33	3.0%	2023322	37	34	8.5%	2023337	47	47	0.0%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2023347	< 0.5	< 0.5	0.0%	2023362	< 0.5	< 0.5	0.0%								
Al	2023347	8.09	7.46	8.1%	2023362	7.61	7.58	0.4%								
As	2023347	< 1	< 1	0.0%	2023362	< 1	< 1	0.0%								
Ba	2023347	358	339	5.5%	2023362	138	138	0.0%								
Be	2023347	< 0.5	< 0.5	0.0%	2023362	< 0.5	< 0.5	0.0%								
Bi	2023347	< 1	< 1	0.0%	2023362	< 1	< 1	0.0%								
Ca	2023347	6.22	5.56	11.2%	2023362	6.83	6.76	1.0%								
Cd	2023347	< 0.5	< 0.5	0.0%	2023362	< 0.5	< 0.5	0.0%								
Ce	2023347	16	15	6.5%	2023362	17	18	5.7%								
Co	2023347	51.1	45.3	12.0%	2023362	45.4	45.7	0.7%								
Cr	2023347	38.9	31.3	21.7%	2023362	39.4	40.9	3.7%								
Cu	2023347	83.1	70.5	16.4%	2023362	136	138	1.5%								
Fe	2023347	9.63	8.43	13.3%	2023362	8.22	8.14	1.0%								
Ga	2023347	17	16	6.1%	2023362	16	17	6.1%								
In	2023347	< 1	< 1	0.0%	2023362	< 1	< 1	0.0%								
K	2023347	0.975	0.938	3.9%	2023362	0.31	0.31	0.0%								
La	2023347	7	6	15.4%	2023362	8	8	0.0%								
Li	2023347	24	24	0.0%	2023362	15	15	0.0%								
Mg	2023347	4.16	3.69	12.0%	2023362	3.31	3.31	0.0%								
Mn	2023347	1560	1340	15.2%	2023362	1320	1330	0.8%								

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ATTENTION TO: Garry Clark

Mo	2023347	0.9	< 0.5		2023362	0.7	0.7	0.0%								
Na	2023347	2.26	2.14	5.5%	2023362	1.73	1.73	0.0%								
Ni	2023347	68.8	60.7	12.5%	2023362	66.0	68.0	3.0%								
P	2023347	281	252	10.9%	2023362	313	318	1.6%								
Pb	2023347	< 1	< 1	0.0%	2023362	< 1	< 1	0.0%								
Rb	2023347	32	29	9.8%	2023362	< 10	< 10	0.0%								
S	2023347	0.106	0.091	15.2%	2023362	0.131	0.137	4.5%								
Sb	2023347	< 1	< 1	0.0%	2023362	< 1	< 1	0.0%								
Sc	2023347	42	38	10.0%	2023362	38	39	2.6%								
Se	2023347	< 10	< 10	0.0%	2023362	< 10	< 10	0.0%								
Sn	2023347	< 5	< 5	0.0%	2023362	< 5	< 5	0.0%								
Sr	2023347	173	171	1.2%	2023362	206	205	0.5%								
Ta	2023347	< 10	< 10	0.0%	2023362	< 10	< 10	0.0%								
Te	2023347	< 10	< 10	0.0%	2023362	< 10	< 10	0.0%								
Th	2023347	< 5	< 5	0.0%	2023362	< 5	< 5	0.0%								
Ti	2023347	0.42	0.37	12.7%	2023362	0.506	0.505	0.2%								
Tl	2023347	< 5	< 5	0.0%	2023362	< 5	< 5	0.0%								
U	2023347	7	< 5		2023362	< 5	< 5	0.0%								
V	2023347	299	270	10.2%	2023362	319	326	2.2%								
W	2023347	< 1	< 1	0.0%	2023362	< 1	< 1	0.0%								
Y	2023347	15	13	14.3%	2023362	15	15	0.0%								
Zn	2023347	88.9	80.1	10.4%	2023362	80.0	81.6	2.0%								
Zr	2023347	41	33	21.6%	2023362	45	47	4.3%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2023297	5	4	22.2%	2023312	6	5	18.2%	2023322	1	1	0.0%	2023337	4	4	0.0%
Pd	2023297	29	28	3.5%	2023312	25	25	0.0%	2023322	19	21	10.0%	2023337	16	16	0.0%
Pt	2023297	27	25	7.7%	2023312	32	31	3.2%	2023322	18	21	15.4%	2023337	17	21	21.1%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2023347	4	5	22.2%	2023362	6	6	0.0%								
Pd	2023347	17	17	0.0%	2023362	29	30	3.4%								
Pt	2023347	28	27	3.6%	2023362	44	36	20.0%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.WMG-1a)				CRM #3 (ref.GTS-2a)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					3.03	3.3	109%	90% - 110%								
Al	8.47	8.27	98%	90% - 110%	4.75	4.9	103%	90% - 110%	6.96	7.05	101%	90% - 110%	8.47	8.41	99%	90% - 110%
As	26	26	99%	90% - 110%					124	126	102%	90% - 110%	26	25	96%	90% - 110%
Ba	540	519	96%	90% - 110%	216	226	105%	90% - 110%	186	189	102%	90% - 110%	540	541	100%	90% - 110%
Be	4.0	3.2	81%	90% - 110%									4.0	3.2	80%	90% - 110%
Ca	0.907	0.896	99%	90% - 110%	10	9	92%	90% - 110%	4.01	3.86	96%	90% - 110%	0.907	0.885	98%	90% - 110%
Ce	98	102	104%	90% - 110%					24	23	96%	90% - 110%	98	99	101%	90% - 110%
Co	13	13	99%	90% - 110%	191	178	93%	90% - 110%	22.1	20	91%	90% - 110%	13	13	97%	90% - 110%
Cr	60.3	59	98%	90% - 110%	670	673	100%	90% - 110%					60.3	58.9	98%	90% - 110%
Cu	150	150	100%	90% - 110%	7120	6933	97%	90% - 110%	88.6	87	98%	90% - 110%	150	146	97%	90% - 110%
Fe	3.77	3.61	96%	90% - 110%	12.71	11.54	91%	90% - 110%	7.56	7.09	94%	90% - 110%	3.77	3.6	96%	90% - 110%
K					0.1021	0.1078	106%	90% - 110%	2.021	2.089	103%	90% - 110%				
La	44	46	104%	90% - 110%	8.47	5.97	71%	90% - 110%					44	44	99%	90% - 110%
Li	47	49	103%	90% - 110%									47	51	108%	90% - 110%
Mg	1.10	1.07	97%	90% - 110%	7.41	6.96	94%	90% - 110%	2.412	2.277	94%	90% - 110%	1.10	1.04	94%	90% - 110%
Mn	780	736	94%	90% - 110%					1510	1395	92%	90% - 110%	780	714	91%	90% - 110%
Mo	14	13	92%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.667	103%	90% - 110%	0.112	0.122	109%	90% - 110%	0.617	0.647	105%	90% - 110%	1.624	1.739	107%	90% - 110%
Ni	32	32	101%	90% - 110%	2480	2316	93%	90% - 110%	77.1	75.2	98%	90% - 110%	32	32	100%	90% - 110%
P	750	735	98%	90% - 110%	731	696	95%	90% - 110%	892	898	101%	90% - 110%	750	711	95%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	151	105%	90% - 110%									143	143	100%	90% - 110%
S									0.348	0.336	97%	90% - 110%				
Sc	12	12	102%	90% - 110%	21.33	20.49	96%	90% - 110%					12	12	100%	90% - 110%
Sr	144	151	105%	90% - 110%	39	39	100%	90% - 110%	92.8	92.9	100%	90% - 110%	144	156	108%	90% - 110%
Ta	1.9	1.8	95%	90% - 110%												
Th	18.4	17.3	94%	90% - 110%									18.4	19	103%	90% - 110%
Ti	0.53	0.48	90%	90% - 110%	0.419	0.409	98%	90% - 110%					0.53	0.49	92%	90% - 110%
U	5.7	4.8	84%	90% - 110%									5.7	5.7	100%	90% - 110%
V	77	79	103%	90% - 110%	158	161	102%	90% - 110%					77	76	98%	90% - 110%
W	5	4	89%	90% - 110%									5	5	97%	90% - 110%

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AGAT WORK ORDER: 21T704863

PROJECT: East Bull

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ATTENTION TO: Garry Clark

Y					12.67	12.19	96%	90% - 110%								
Zn	130	120	92%	90% - 110%	112	106	94%	90% - 110%	208	200	96%	90% - 110%	130	118	91%	90% - 110%
Zr					35.7	38.8	109%	90% - 110%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.GTS-2a)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1794	95%	90% - 110%	1897	1998	105%	90% - 110%								
Pd	1660	1632	98%	90% - 110%	1660	1747	105%	90% - 110%								
Pt	223	213	95%	90% - 110%	223	244	109%	90% - 110%								

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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AGAT Laboratories

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TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T704863

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T704865

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Feb 24, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155339 (2023401)	1.18
155340 (2023402)	1.13
155341 (2023403)	2.46
155342 (2023404)	2.54
155343 (2023405)	2.53
155344 (2023406)	2.50
155345 (2023407)	2.61
155346 (2023408)	2.43
155347 (2023409)	2.54
155348 (2023410)	2.34
155349 (2023411)	2.60
155350 (2023412)	0.11
155351 (2023413)	2.58
155352 (2023414)	2.54
155353 (2023415)	2.27
155354 (2023416)	2.29
155355 (2023417)	2.41
155356 (2023418)	2.62
155357 (2023419)	2.65
155358 (2023420)	2.51
155359 (2023421)	2.59
155360 (2023422)	0.81
155361 (2023423)	2.45
155362 (2023424)	2.51
155363 (2023425)	2.32
155364 (2023426)	2.52
155365 (2023427)	2.54
155366 (2023428)	2.51
155367 (2023429)	2.47
155368 (2023430)	2.43
155369 (2023431)	1.20

Certified By:

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AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155370 (2023432)	1.16
155371 (2023433)	2.48
155372 (2023434)	2.45
155373 (2023435)	2.49
155374 (2023436)	2.50
155375 (2023437)	2.36
155376 (2023438)	2.49
155377 (2023439)	2.42
155378 (2023440)	2.39
155379 (2023441)	2.39
155380 (2023442)	0.11
155381 (2023443)	2.44
155382 (2023444)	2.59
155383 (2023445)	2.55
155384 (2023446)	2.41
155385 (2023447)	2.40
155386 (2023448)	2.25
155387 (2023449)	2.32
155388 (2023450)	2.34
155389 (2023451)	2.38
155390 (2023452)	0.71
155391 (2023453)	2.48
155392 (2023454)	2.43
155393 (2023455)	2.37
155394 (2023456)	2.32
155395 (2023457)	2.39
155396 (2023458)	2.42
155397 (2023459)	2.38
155398 (2023460)	2.34
155399 (2023461)	1.16
155400 (2023462)	1.10

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155401 (2023463)	2.32
155402 (2023464)	2.36
155403 (2023465)	2.40
155404 (2023466)	2.46
155405 (2023467)	2.54
155406 (2023468)	2.33
155407 (2023469)	2.38
155408 (2023470)	2.33
155409 (2023471)	2.28
155410 (2023472)	0.11
155411 (2023473)	2.30
155412 (2023474)	2.38
155413 (2023475)	2.35
155414 (2023476)	2.47
155415 (2023477)	2.31
155416 (2023478)	2.18
155417 (2023479)	2.34

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155339 (2023401)	<0.5	7.64	<1	180	<0.5	<1	6.78	<0.5	33	48.3	82.7	169	8.69	22
155340 (2023402)	<0.5	7.80	<1	186	<0.5	<1	6.61	<0.5	31	48.1	75.6	170	8.73	22
155341 (2023403)	<0.5	7.95	2	94	<0.5	<1	6.34	<0.5	22	43.8	83.7	148	8.42	20
155342 (2023404)	<0.5	8.05	2	140	<0.5	<1	6.48	<0.5	23	45.2	80.9	135	8.54	21
155343 (2023405)	<0.5	7.94	7	163	<0.5	<1	7.10	<0.5	18	48.2	70.8	132	8.26	18
155344 (2023406)	<0.5	7.73	8	148	<0.5	<1	5.84	<0.5	28	50.0	96.4	135	8.82	23
155345 (2023407)	<0.5	6.29	<1	35	<0.5	<1	9.05	<0.5	94	8.0	103	46.1	5.59	29
155346 (2023408)	<0.5	7.32	<1	30	<0.5	<1	7.97	<0.5	47	27.2	108	52.3	7.48	23
155347 (2023409)	<0.5	7.17	<1	24	<0.5	<1	9.87	<0.5	51	23.9	83.5	56.2	7.95	28
155348 (2023410)	0.6	8.01	1	110	0.6	<1	5.84	<0.5	36	47.7	97.4	90.8	8.82	24
155349 (2023411)	<0.5	7.97	7	91	<0.5	<1	6.24	<0.5	27	48.2	206	68.7	8.71	21
155350 (2023412)	3.3	6.99	<1	286	0.7	<1	4.13	<0.5	30	156	240	6660	13.5	<5
155351 (2023413)	<0.5	7.92	2	51	<0.5	<1	7.02	<0.5	25	41.4	89.7	108	8.34	22
155352 (2023414)	<0.5	8.02	13	68	<0.5	<1	6.29	<0.5	26	47.1	80.7	67.0	8.52	22
155353 (2023415)	<0.5	7.10	6	44	<0.5	<1	6.03	<0.5	23	39.9	98.0	113	7.84	22
155354 (2023416)	<0.5	8.03	13	73	0.5	<1	5.86	<0.5	28	48.0	78.1	130	9.31	22
155355 (2023417)	<0.5	8.07	8	170	<0.5	<1	6.50	<0.5	28	42.1	92.9	107	8.29	19
155356 (2023418)	<0.5	7.74	2	194	<0.5	<1	7.26	<0.5	25	44.7	84.6	119	8.25	21
155357 (2023419)	<0.5	7.82	<1	240	<0.5	<1	7.11	<0.5	25	45.3	87.6	110	8.31	22
155358 (2023420)	<0.5	7.60	1	238	<0.5	<1	7.22	<0.5	23	49.5	101	109	8.30	18
155359 (2023421)	<0.5	7.62	<1	204	<0.5	<1	6.69	<0.5	24	47.1	73.3	153	8.68	20
155360 (2023422)	<0.5	0.05	<1	1410	<0.5	<1	18.7	<0.5	<1	<0.5	11.3	<0.5	0.09	<5
155361 (2023423)	<0.5	7.96	<1	171	<0.5	<1	7.46	<0.5	26	44.7	85.4	160	8.66	18
155362 (2023424)	<0.5	7.45	7	118	<0.5	<1	6.31	<0.5	23	50.7	77.7	110	8.72	20
155363 (2023425)	<0.5	7.25	8	113	<0.5	<1	6.33	<0.5	25	49.5	77.1	101	9.09	19
155364 (2023426)	<0.5	7.18	7	178	<0.5	<1	7.31	<0.5	25	42.7	81.2	89.1	8.10	21
155365 (2023427)	<0.5	7.61	15	250	<0.5	<1	6.90	<0.5	27	53.3	81.9	119	8.34	20
155366 (2023428)	<0.5	8.19	2	248	<0.5	<1	7.47	<0.5	26	46.7	89.5	137	8.89	22
155367 (2023429)	<0.5	7.43	1	196	<0.5	<1	6.94	<0.5	25	45.7	73.8	149	8.82	21
155368 (2023430)	<0.5	7.85	<1	256	0.5	<1	7.11	<0.5	30	44.9	85.2	150	8.70	21
155369 (2023431)	<0.5	8.23	<1	343	<0.5	<1	7.11	<0.5	28	44.2	77.1	159	8.81	20
155370 (2023432)	<0.5	8.22	<1	341	<0.5	<1	7.18	<0.5	28	45.1	75.5	168	8.94	21

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155371 (2023433)	<0.5	8.12	<1	217	<0.5	<1	6.52	<0.5	31	41.3	74.1	117	7.88	23
155372 (2023434)	<0.5	8.30	<1	207	<0.5	<1	7.16	<0.5	29	41.5	73.2	183	7.96	23
155373 (2023435)	<0.5	8.27	14	134	<0.5	<1	7.36	<0.5	17	57.4	140	71.0	7.42	20
155374 (2023436)	<0.5	7.72	<1	158	0.5	<1	6.50	<0.5	33	41.6	72.3	124	7.19	20
155375 (2023437)	<0.5	8.21	<1	92	<0.5	<1	5.75	<0.5	20	52.5	161	36.4	9.18	18
155376 (2023438)	<0.5	6.95	<1	31	0.7	<1	8.19	<0.5	54	22.8	70.6	181	7.52	26
155377 (2023439)	<0.5	7.65	<1	50	<0.5	<1	5.85	<0.5	31	50.1	68.2	239	8.76	17
155378 (2023440)	<0.5	7.98	<1	36	<0.5	<1	8.34	<0.5	18	47.2	114	173	8.54	27
155379 (2023441)	<0.5	7.62	<1	61	<0.5	<1	6.43	<0.5	21	37.0	123	50.6	7.15	17
155380 (2023442)	3.3	7.30	<1	289	0.7	<1	4.19	<0.5	30	155	241	6970	13.5	<5
155381 (2023443)	<0.5	7.91	<1	89	<0.5	<1	7.56	<0.5	15	37.7	134	29.9	6.93	15
155382 (2023444)	<0.5	8.35	<1	164	<0.5	<1	7.98	<0.5	14	43.4	140	51.4	6.58	14
155383 (2023445)	<0.5	8.14	<1	170	<0.5	<1	7.60	<0.5	20	44.0	123	69.5	6.55	18
155384 (2023446)	<0.5	7.46	4	158	<0.5	<1	7.48	<0.5	16	49.4	129	41.1	7.14	15
155385 (2023447)	<0.5	8.80	<1	174	<0.5	<1	7.65	<0.5	14	40.7	125	32.3	6.41	17
155386 (2023448)	<0.5	8.98	4	129	<0.5	<1	7.24	<0.5	12	46.1	112	58.0	6.42	16
155387 (2023449)	<0.5	10.5	<1	108	<0.5	<1	7.84	<0.5	13	35.2	98.4	58.0	5.12	21
155388 (2023450)	<0.5	11.1	<1	123	<0.5	<1	8.15	<0.5	12	34.7	84.2	54.0	5.22	23
155389 (2023451)	<0.5	10.8	<1	157	<0.5	<1	8.12	<0.5	12	31.3	94.8	31.5	5.11	21
155390 (2023452)	<0.5	0.05	2	873	<0.5	<1	18.4	<0.5	<1	<0.5	9.5	<0.5	0.08	<5
155391 (2023453)	<0.5	10.3	<1	144	<0.5	<1	8.34	<0.5	12	34.1	120	48.3	5.53	17
155392 (2023454)	<0.5	10.7	<1	171	<0.5	<1	8.61	<0.5	18	32.0	113	58.7	5.38	23
155393 (2023455)	<0.5	10.1	<1	118	<0.5	<1	6.93	<0.5	13	34.9	92.3	31.7	5.84	21
155394 (2023456)	<0.5	10.5	<1	132	<0.5	<1	7.30	<0.5	16	36.6	99.8	52.5	6.01	22
155395 (2023457)	<0.5	5.85	4	50	<0.5	<1	5.30	<0.5	9	102	106	32.3	11.5	7
155396 (2023458)	<0.5	9.03	<1	136	<0.5	<1	6.19	<0.5	9	57.6	131	22.5	7.58	16
155397 (2023459)	<0.5	8.30	<1	138	<0.5	<1	6.96	<0.5	11	63.7	149	73.4	7.79	17
155398 (2023460)	<0.5	10.2	<1	157	<0.5	<1	7.52	<0.5	15	44.6	130	74.8	5.96	22
155399 (2023461)	<0.5	10.4	<1	137	<0.5	<1	7.62	<0.5	16	34.8	111	64.5	5.08	22
155400 (2023462)	<0.5	10.9	<1	138	<0.5	<1	7.74	<0.5	16	33.6	117	48.6	5.25	21
155401 (2023463)	<0.5	10.5	<1	151	<0.5	<1	7.70	<0.5	12	38.2	107	32.3	5.31	20
155402 (2023464)	<0.5	10.9	<1	131	<0.5	<1	7.55	<0.5	11	32.2	88.7	10.3	4.79	22

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155403 (2023465)	<0.5	9.45	<1	109	<0.5	<1	7.76	<0.5	9	51.9	109	58.2	6.70	19
155404 (2023466)	<0.5	10.2	<1	106	<0.5	<1	7.68	<0.5	8	45.6	114	55.0	5.81	18
155405 (2023467)	<0.5	10.0	<1	66	<0.5	<1	7.75	<0.5	8	46.3	113	41.3	7.08	24
155406 (2023468)	<0.5	11.1	<1	156	<0.5	<1	7.79	<0.5	9	34.0	142	26.3	5.09	20
155407 (2023469)	<0.5	11.1	1	123	<0.5	<1	7.90	<0.5	9	35.4	143	26.4	5.09	22
155408 (2023470)	<0.5	10.8	<1	115	<0.5	<1	7.82	<0.5	9	33.3	138	22.5	4.89	18
155409 (2023471)	<0.5	9.48	<1	34	<0.5	<1	7.99	<0.5	8	50.1	91.1	17.0	7.03	16
155410 (2023472)	3.8	6.99	<1	282	0.7	<1	4.06	<0.5	30	159	240	6650	13.5	<5
155411 (2023473)	1.6	5.92	<1	32	<0.5	<1	12.3	<0.5	8	61.4	93.7	2250	5.51	9
155412 (2023474)	<0.5	11.7	<1	210	<0.5	<1	3.96	<0.5	5	67.0	115	310	7.69	14
155413 (2023475)	<0.5	9.10	1	86	<0.5	<1	4.40	<0.5	8	117	498	1180	9.18	<5
155414 (2023476)	0.7	7.27	<1	8	<0.5	<1	3.76	<0.5	5	112	610	1920	10.7	<5
155415 (2023477)	0.6	8.43	<1	55	<0.5	<1	3.33	<0.5	10	96.5	368	1480	9.02	6
155416 (2023478)	0.5	4.95	<1	3	<0.5	<1	4.43	<0.5	4	79.9	444	1910	8.98	<5
155417 (2023479)	0.8	4.44	<1	3	<0.5	<1	5.27	<0.5	2	81.6	423	1780	8.43	<5

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AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155339 (2023401)	<1	0.40	14	15	3.44	1420	<0.5	1.84	60.2	519	<1	17	0.11	<1
155340 (2023402)	<1	0.43	13	16	3.49	1440	<0.5	1.84	60.0	513	<1	17	0.08	<1
155341 (2023403)	<1	0.29	9	15	3.75	1390	<0.5	2.55	58.0	353	<1	12	0.06	<1
155342 (2023404)	<1	0.34	10	17	3.86	1460	<0.5	2.08	61.3	364	<1	13	0.05	<1
155343 (2023405)	<1	0.37	7	17	3.54	1410	<0.5	1.71	67.6	257	<1	15	0.05	<1
155344 (2023406)	<1	0.37	12	18	3.61	1350	<0.5	1.75	61.5	364	<1	15	0.03	<1
155345 (2023407)	<1	0.05	43	2	0.73	535	<0.5	0.08	7.8	1640	1	<10	0.03	<1
155346 (2023408)	<1	0.10	21	5	2.67	1050	<0.5	2.17	39.0	992	<1	<10	0.03	<1
155347 (2023409)	<1	0.08	22	3	2.52	1070	<0.5	1.15	31.5	900	<1	<10	0.03	<1
155348 (2023410)	<1	0.25	15	17	3.79	1390	<0.5	2.58	62.7	594	<1	12	0.03	<1
155349 (2023411)	<1	0.24	11	15	3.82	1400	<0.5	2.63	66.5	420	<1	11	0.03	<1
155350 (2023412)	<1	0.64	11	13	3.98	1160	<0.5	1.88	9220	585	36	23	3.02	<1
155351 (2023413)	<1	0.15	11	12	3.65	1330	<0.5	2.63	62.4	410	<1	<10	0.03	<1
155352 (2023414)	<1	0.20	11	15	3.87	1390	<0.5	2.68	65.7	404	<1	10	0.03	<1
155353 (2023415)	<1	0.15	9	10	3.48	1230	<0.5	2.70	60.1	376	<1	<10	0.04	<1
155354 (2023416)	<1	0.23	12	18	3.89	1440	<0.5	2.59	61.0	445	<1	12	0.03	<1
155355 (2023417)	<1	0.45	12	18	3.50	1380	<0.5	2.11	57.7	438	<1	19	0.03	<1
155356 (2023418)	<1	0.54	11	13	3.52	1370	<0.5	1.55	65.7	401	<1	23	0.04	<1
155357 (2023419)	<1	0.74	10	15	3.65	1350	<0.5	1.57	66.5	388	<1	33	0.05	<1
155358 (2023420)	<1	0.79	9	16	3.72	1420	<0.5	1.46	71.7	351	<1	37	0.06	<1
155359 (2023421)	<1	0.62	10	20	3.81	1440	<0.5	1.59	67.5	363	<1	27	0.06	<1
155360 (2023422)	1	0.01	<2	5	12.8	399	<0.5	0.02	0.6	36	<1	<10	0.08	4
155361 (2023423)	<1	0.45	11	17	3.66	1460	<0.5	1.64	66.8	416	<1	20	0.09	<1
155362 (2023424)	<1	0.34	9	19	4.00	1470	<0.5	1.95	63.8	343	<1	17	0.03	<1
155363 (2023425)	<1	0.38	10	20	4.08	1470	<0.5	2.10	64.0	373	2	18	0.03	<1
155364 (2023426)	<1	0.65	10	16	3.55	1360	<0.5	2.02	57.4	394	<1	29	0.05	<1
155365 (2023427)	<1	0.85	11	16	3.50	1360	<0.5	1.59	63.9	413	<1	39	0.06	<1
155366 (2023428)	<1	0.79	11	16	3.73	1480	<0.5	1.66	64.0	392	<1	33	0.05	<1
155367 (2023429)	<1	0.59	10	19	3.81	1530	<0.5	1.85	56.3	384	<1	23	0.04	<1
155368 (2023430)	<1	0.69	13	16	3.39	1400	<0.5	1.72	59.0	474	<1	29	0.07	<1
155369 (2023431)	<1	0.98	11	16	3.15	1430	<0.5	1.54	55.2	427	<1	38	0.08	<1
155370 (2023432)	<1	0.96	12	17	3.23	1450	<0.5	1.57	55.8	428	<1	37	0.09	<1

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AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155371 (2023433)	<1	0.59	13	17	3.22	1310	<0.5	1.93	54.7	495	<1	25	0.05	<1
155372 (2023434)	<1	0.52	12	16	3.24	1320	<0.5	1.77	56.7	453	<1	22	0.06	<1
155373 (2023435)	<1	0.36	7	17	4.30	1440	<0.5	1.69	134	267	<1	15	0.04	<1
155374 (2023436)	<1	0.35	14	15	3.22	1260	<0.5	1.89	64.7	525	<1	15	0.05	<1
155375 (2023437)	<1	0.26	7	24	4.84	1570	<0.5	1.94	133	305	<1	13	0.05	<1
155376 (2023438)	<1	0.10	24	5	2.17	1020	<0.5	1.59	24.0	853	<1	<10	0.12	<1
155377 (2023439)	<1	0.16	13	15	3.67	1300	<0.5	2.66	60.1	467	<1	<10	0.45	<1
155378 (2023440)	<1	0.12	8	10	3.59	1190	<0.5	1.64	58.1	273	<1	<10	0.54	<1
155379 (2023441)	<1	0.20	9	15	4.31	1290	<0.5	2.30	81.6	347	<1	<10	0.07	<1
155380 (2023442)	<1	0.66	11	13	4.14	1200	<0.5	1.91	9090	582	35	23	3.12	<1
155381 (2023443)	<1	0.26	6	14	4.54	1310	<0.5	1.84	87.5	209	<1	12	0.04	<1
155382 (2023444)	<1	0.47	5	12	4.74	1290	<0.5	1.45	96.3	201	<1	21	0.05	<1
155383 (2023445)	<1	0.49	8	13	4.42	1260	<0.5	1.44	88.0	327	<1	23	0.09	<1
155384 (2023446)	<1	0.51	6	14	4.89	1320	<0.5	1.35	100	237	<1	24	0.08	<1
155385 (2023447)	<1	0.58	6	13	4.44	1220	<0.5	1.55	88.1	206	<1	26	0.06	<1
155386 (2023448)	<1	0.34	5	15	4.50	1170	<0.5	1.70	95.1	171	<1	16	0.15	<1
155387 (2023449)	<1	0.25	5	11	3.48	943	<0.5	2.01	73.7	201	<1	12	0.15	<1
155388 (2023450)	<1	0.30	5	12	3.41	934	<0.5	2.11	77.5	190	<1	14	0.13	<1
155389 (2023451)	<1	0.46	5	11	3.32	909	<0.5	1.92	67.9	187	<1	23	0.06	<1
155390 (2023452)	2	0.01	<2	10	13.4	350	<0.5	0.02	1.2	32	<1	<10	0.07	<1
155391 (2023453)	<1	0.41	5	11	3.75	1020	<0.5	1.84	73.3	197	<1	20	0.08	<1
155392 (2023454)	<1	0.49	7	10	3.15	950	<0.5	1.85	64.7	283	<1	23	0.06	<1
155393 (2023455)	<1	0.30	5	15	3.25	964	<0.5	2.52	66.1	213	<1	15	0.04	<1
155394 (2023456)	<1	0.38	7	15	3.63	996	<0.5	2.29	69.1	257	<1	20	0.06	<1
155395 (2023457)	<1	0.23	3	37	8.13	1880	<0.5	0.32	387	127	2	16	0.07	<1
155396 (2023458)	<1	0.43	4	27	5.31	1260	<0.5	1.34	185	134	<1	25	0.02	<1
155397 (2023459)	<1	0.45	4	19	5.08	1240	<0.5	1.36	185	174	<1	27	0.15	<1
155398 (2023460)	<1	0.47	6	13	3.66	978	<0.5	1.95	94.6	243	<1	27	0.13	<1
155399 (2023461)	<1	0.34	7	12	3.10	842	<0.5	2.03	74.0	250	<1	18	0.10	<1
155400 (2023462)	<1	0.35	6	12	3.23	868	<0.5	2.06	74.7	258	<1	18	0.09	<1
155401 (2023463)	<1	0.40	5	14	3.65	917	<0.5	1.91	94.5	180	<1	20	0.05	<1
155402 (2023464)	<1	0.35	4	13	3.15	832	<0.5	2.26	81.3	159	<1	19	0.02	<1

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AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155403 (2023465)	<1	0.29	3	14	4.60	1120	<0.5	1.59	141	137	<1	17	0.15	<1
155404 (2023466)	<1	0.24	3	13	3.96	955	<0.5	1.84	114	119	<1	13	0.13	<1
155405 (2023467)	<1	0.15	3	14	4.25	1110	<0.5	1.50	114	117	<1	<10	0.10	<1
155406 (2023468)	<1	0.38	4	12	3.30	843	<0.5	2.04	85.7	148	<1	18	0.06	<1
155407 (2023469)	<1	0.29	3	12	3.43	850	<0.5	1.96	102	138	<1	14	0.05	<1
155408 (2023470)	<1	0.38	4	14	3.65	871	<0.5	2.26	99.8	137	<1	19	0.03	<1
155409 (2023471)	<1	0.11	3	38	4.92	1130	0.7	2.20	257	214	<1	<10	0.03	<1
155410 (2023472)	<1	0.64	12	13	3.98	1160	<0.5	1.86	8920	592	35	23	2.99	<1
155411 (2023473)	<1	0.13	3	32	3.30	891	<0.5	0.76	312	118	2	11	0.40	<1
155412 (2023474)	<1	0.82	<2	49	5.92	1150	<0.5	1.82	602	86	<1	45	0.15	<1
155413 (2023475)	<1	0.30	<2	41	7.47	1360	<0.5	1.31	1310	144	<1	18	0.52	<1
155414 (2023476)	<1	0.03	<2	47	9.72	1650	<0.5	0.29	1260	49	1	<10	0.44	<1
155415 (2023477)	<1	0.24	4	80	7.91	1320	<0.5	0.95	905	104	<1	14	0.39	<1
155416 (2023478)	<1	0.02	<2	38	8.82	1500	<0.5	0.16	589	56	3	<10	0.31	<1
155417 (2023479)	<1	0.02	<2	33	10.4	1810	<0.5	0.09	623	42	3	<10	0.30	1

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155339 (2023401)	42	<10	<5	213	<10	<10	<5	0.70	<5	<5	373	<1	22	86.9
155340 (2023402)	41	<10	<5	214	<10	<10	<5	0.65	<5	<5	348	<1	22	87.6
155341 (2023403)	39	<10	<5	202	<10	<10	<5	0.51	<5	<5	301	<1	17	83.2
155342 (2023404)	40	<10	<5	221	<10	<10	<5	0.53	<5	<5	301	<1	17	93.6
155343 (2023405)	42	<10	<5	227	<10	<10	<5	0.50	<5	<5	348	<1	15	86.4
155344 (2023406)	38	<10	<5	251	<10	<10	<5	0.53	<5	<5	353	<1	19	93.5
155345 (2023407)	13	<10	<5	769	<10	<10	<5	0.32	<5	<5	47.3	<1	46	16.6
155346 (2023408)	35	<10	<5	373	<10	<10	<5	0.68	<5	<5	317	<1	30	55.2
155347 (2023409)	38	<10	<5	431	<10	<10	<5	0.70	<5	<5	313	<1	34	50.1
155348 (2023410)	46	<10	<5	200	<10	<10	<5	0.52	<5	<5	268	<1	25	88.7
155349 (2023411)	42	<10	<5	226	<10	<10	<5	0.44	<5	<5	232	<1	19	89.2
155350 (2023412)	13	<10	<5	295	<10	<10	<5	0.61	<5	<5	114	<1	12	117
155351 (2023413)	40	<10	<5	227	<10	<10	<5	0.49	<5	<5	268	<1	18	82.4
155352 (2023414)	41	<10	<5	216	<10	<10	<5	0.55	<5	<5	283	<1	18	88.4
155353 (2023415)	40	<10	<5	180	<10	<10	<5	0.44	<5	<5	266	<1	16	80.5
155354 (2023416)	40	<10	<5	196	<10	<10	<5	0.55	<5	<5	308	<1	20	94.0
155355 (2023417)	39	<10	<5	226	<10	<10	<5	0.48	<5	<5	259	<1	19	86.0
155356 (2023418)	41	<10	<5	220	<10	<10	<5	0.46	<5	<5	292	<1	18	79.7
155357 (2023419)	42	<10	<5	209	<10	<10	<5	0.52	<5	<5	330	<1	18	81.3
155358 (2023420)	44	<10	<5	200	<10	<10	<5	0.54	<5	<5	372	<1	17	90.7
155359 (2023421)	41	<10	<5	195	<10	<10	<5	0.55	<5	<5	356	1	17	88.4
155360 (2023422)	<1	<10	<5	124	<10	<10	<5	<0.01	<5	<5	4.3	<1	<1	13.3
155361 (2023423)	41	<10	<5	214	<10	<10	<5	0.60	<5	<5	353	<1	19	89.5
155362 (2023424)	40	<10	<5	170	<10	<10	<5	0.55	<5	<5	335	<1	17	96.4
155363 (2023425)	43	<10	<5	167	<10	<10	<5	0.58	<5	<5	358	<1	18	91.3
155364 (2023426)	39	<10	<5	181	<10	<10	<5	0.54	<5	<5	312	<1	18	80.3
155365 (2023427)	43	<10	<5	219	<10	<10	<5	0.48	<5	<5	289	<1	19	80.7
155366 (2023428)	43	<10	<5	229	<10	<10	<5	0.57	<5	<5	329	<1	19	86.8
155367 (2023429)	37	<10	<5	167	<10	<10	<5	0.52	<5	<5	287	<1	18	93.2
155368 (2023430)	41	<10	<5	211	<10	<10	<5	0.55	<5	<5	302	<1	21	85.0
155369 (2023431)	38	<10	<5	218	<10	<10	<5	0.61	<5	<5	327	<1	20	83.3
155370 (2023432)	39	<10	<5	218	<10	<10	<5	0.62	<5	<5	330	<1	20	85.4

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AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155371 (2023433)	36	<10	<5	205	<10	<10	<5	0.53	<5	<5	263	<1	20	78.8
155372 (2023434)	36	<10	<5	237	<10	<10	<5	0.54	<5	<5	280	<1	20	77.8
155373 (2023435)	39	<10	<5	200	<10	<10	<5	0.33	<5	<5	205	<1	13	81.8
155374 (2023436)	32	<10	<5	206	<10	<10	<5	0.49	<5	<5	238	<1	22	74.0
155375 (2023437)	40	<10	<5	158	<10	<10	<5	0.31	<5	<5	192	<1	14	98.8
155376 (2023438)	35	<10	<5	413	<10	<10	<5	0.92	<5	<5	344	<1	35	49.7
155377 (2023439)	38	<10	<5	171	<10	<10	<5	0.68	<5	<5	354	<1	21	72.8
155378 (2023440)	29	<10	<5	261	<10	<10	<5	0.32	<5	<5	187	<1	14	60.0
155379 (2023441)	37	<10	<5	174	<10	<10	<5	0.36	<5	<5	202	<1	15	77.7
155380 (2023442)	13	<10	<5	297	<10	<10	<5	0.62	<5	<5	114	3	12	118
155381 (2023443)	39	<10	<5	200	<10	<10	<5	0.28	<5	<5	200	<1	12	73.4
155382 (2023444)	41	<10	<5	197	<10	<10	<5	0.27	<5	<5	194	<1	11	69.6
155383 (2023445)	40	<10	<5	197	<10	<10	<5	0.35	<5	<5	211	<1	15	70.1
155384 (2023446)	41	<10	<5	177	<10	<10	<5	0.28	<5	<5	203	<1	13	76.4
155385 (2023447)	36	<10	<5	210	<10	<10	<5	0.27	<5	<5	180	<1	11	95.0
155386 (2023448)	32	<10	<5	201	<10	<10	<5	0.22	<5	<5	151	<1	9	69.1
155387 (2023449)	29	<10	<5	262	<10	<10	<5	0.22	<5	<5	149	<1	10	55.5
155388 (2023450)	26	<10	<5	285	<10	<10	<5	0.21	<5	<5	135	<1	9	56.8
155389 (2023451)	26	<10	<5	288	<10	<10	<5	0.24	<5	<5	146	<1	9	53.6
155390 (2023452)	<1	<10	<5	108	<10	<10	<5	<0.01	<5	<5	3.3	<1	<1	12.8
155391 (2023453)	32	<10	<5	272	<10	<10	<5	0.27	<5	<5	166	<1	10	59.5
155392 (2023454)	31	<10	<5	324	<10	<10	<5	0.33	<5	<5	182	<1	13	54.1
155393 (2023455)	27	<10	<5	277	<10	<10	<5	0.25	<5	<5	152	<1	10	62.2
155394 (2023456)	26	<10	<5	282	<10	<10	<5	0.30	<5	<5	164	<1	11	61.8
155395 (2023457)	27	<10	<5	35	<10	<10	<5	0.16	<5	<5	124	<1	7	133
155396 (2023458)	26	<10	<5	178	<10	<10	<5	0.16	<5	<5	123	<1	7	90.7
155397 (2023459)	32	<10	<5	192	<10	<10	<5	0.21	<5	<5	154	1	9	85.7
155398 (2023460)	28	<10	<5	267	<10	<10	<5	0.35	<5	<5	216	<1	11	62.7
155399 (2023461)	26	<10	<5	289	<10	<10	<5	0.27	<5	<5	147	<1	11	54.1
155400 (2023462)	26	<10	<5	292	<10	<10	<5	0.23	<5	<5	128	<1	11	55.4
155401 (2023463)	28	<10	<5	274	<10	<10	<5	0.20	<5	<5	135	<1	9	59.6
155402 (2023464)	22	<10	<5	337	<10	<10	<5	0.18	<5	<5	109	<1	8	53.2

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155403 (2023465)	30	<10	<5	240	<10	<10	<5	0.20	<5	<5	141	1	8	70.3
155404 (2023466)	26	<10	<5	259	<10	<10	<5	0.18	<5	<5	127	<1	7	61.9
155405 (2023467)	21	<10	<5	282	<10	<10	<5	0.15	<5	<5	102	<1	6	67.5
155406 (2023468)	24	<10	<5	306	<10	<10	<5	0.18	<5	<5	120	<1	7	54.2
155407 (2023469)	23	<10	<5	303	<10	<10	<5	0.17	<5	<5	113	<1	7	55.2
155408 (2023470)	26	<10	<5	305	<10	<10	<5	0.19	<5	<5	131	<1	7	67.8
155409 (2023471)	12	<10	<5	202	<10	<10	<5	0.17	<5	<5	84.5	<1	6	89.2
155410 (2023472)	13	<10	<5	288	<10	<10	<5	0.59	<5	<5	113	2	12	114
155411 (2023473)	11	<10	<5	97	<10	<10	<5	0.12	<5	<5	57.9	<1	6	85.9
155412 (2023474)	8	<10	<5	178	<10	<10	<5	0.08	<5	<5	50.1	<1	3	105
155413 (2023475)	12	<10	<5	136	<10	<10	<5	0.13	<5	<5	76.0	<1	5	136
155414 (2023476)	15	<10	<5	24	<10	<10	<5	0.08	<5	<5	78.0	<1	3	160
155415 (2023477)	13	<10	<5	71	<10	<10	<5	0.10	<5	<5	76.4	<1	5	103
155416 (2023478)	33	<10	<5	8	<10	<10	<5	0.12	<5	<5	112	<1	4	112
155417 (2023479)	34	<10	<5	7	<10	<10	<5	0.12	<5	<5	115	<1	4	155

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155339 (2023401)	76
155340 (2023402)	69
155341 (2023403)	47
155342 (2023404)	53
155343 (2023405)	42
155344 (2023406)	58
155345 (2023407)	203
155346 (2023408)	93
155347 (2023409)	104
155348 (2023410)	76
155349 (2023411)	63
155350 (2023412)	53
155351 (2023413)	57
155352 (2023414)	60
155353 (2023415)	50
155354 (2023416)	63
155355 (2023417)	63
155356 (2023418)	57
155357 (2023419)	57
155358 (2023420)	49
155359 (2023421)	56
155360 (2023422)	<5
155361 (2023423)	63
155362 (2023424)	50
155363 (2023425)	52
155364 (2023426)	55
155365 (2023427)	62
155366 (2023428)	58
155367 (2023429)	60
155368 (2023430)	72
155369 (2023431)	59
155370 (2023432)	65

Certified By:

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PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155371 (2023433)	68
155372 (2023434)	65
155373 (2023435)	40
155374 (2023436)	75
155375 (2023437)	42
155376 (2023438)	122
155377 (2023439)	66
155378 (2023440)	36
155379 (2023441)	44
155380 (2023442)	53
155381 (2023443)	29
155382 (2023444)	29
155383 (2023445)	43
155384 (2023446)	35
155385 (2023447)	32
155386 (2023448)	22
155387 (2023449)	25
155388 (2023450)	23
155389 (2023451)	24
155390 (2023452)	<5
155391 (2023453)	23
155392 (2023454)	38
155393 (2023455)	24
155394 (2023456)	31
155395 (2023457)	14
155396 (2023458)	16
155397 (2023459)	25
155398 (2023460)	27
155399 (2023461)	32
155400 (2023462)	32
155401 (2023463)	20
155402 (2023464)	16

Certified By:

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AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155403 (2023465)	15
155404 (2023466)	13
155405 (2023467)	13
155406 (2023468)	14
155407 (2023469)	17
155408 (2023470)	14
155409 (2023471)	8
155410 (2023472)	53
155411 (2023473)	9
155412 (2023474)	10
155413 (2023475)	18
155414 (2023476)	8
155415 (2023477)	16
155416 (2023478)	11
155417 (2023479)	9

Comments: RDL - Reported Detection Limit

2023401-2023479 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155339 (2023401)	10	14	11
155340 (2023402)	10	11	9
155341 (2023403)	4	20	23
155342 (2023404)	5	26	22
155343 (2023405)	5	54	46
155344 (2023406)	6	49	62
155345 (2023407)	14	<1	<5
155346 (2023408)	6	29	34
155347 (2023409)	17	21	14
155348 (2023410)	3	12	10
155349 (2023411)	3	11	<5
155350 (2023412)	143	1320	620
155351 (2023413)	8	21	10
155352 (2023414)	3	19	13
155353 (2023415)	7	10	10
155354 (2023416)	7	20	20
155355 (2023417)	62	15	10
155356 (2023418)	6	22	12
155357 (2023419)	6	30	21
155358 (2023420)	8	29	21
155359 (2023421)	9	27	23
155360 (2023422)	<1	<1	<5
155361 (2023423)	6	23	21
155362 (2023424)	6	22	14
155363 (2023425)	6	29	24
155364 (2023426)	8	23	13
155365 (2023427)	6	21	24
155366 (2023428)	7	23	18
155367 (2023429)	8	19	19
155368 (2023430)	5	19	15
155369 (2023431)	6	22	27
155370 (2023432)	6	25	26

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155371 (2023433)	5	16	7
155372 (2023434)	8	18	13
155373 (2023435)	3	13	9
155374 (2023436)	4	15	23
155375 (2023437)	3	10	12
155376 (2023438)	214	8	7
155377 (2023439)	4	16	14
155378 (2023440)	2	11	<5
155379 (2023441)	2	10	11
155380 (2023442)	201	1340	642
155381 (2023443)	1	11	10
155382 (2023444)	4	11	8
155383 (2023445)	2	3	<5
155384 (2023446)	2	5	<5
155385 (2023447)	<1	5	6
155386 (2023448)	1	7	<5
155387 (2023449)	2	6	<5
155388 (2023450)	<1	7	<5
155389 (2023451)	1	8	<5
155390 (2023452)	1	<1	<5
155391 (2023453)	2	8	<5
155392 (2023454)	2	6	<5
155393 (2023455)	2	7	6
155394 (2023456)	3	9	<5
155395 (2023457)	2	22	5
155396 (2023458)	<1	17	10
155397 (2023459)	1	17	9
155398 (2023460)	2	12	<5
155399 (2023461)	2	8	<5
155400 (2023462)	1	8	<5
155401 (2023463)	1	10	<5
155402 (2023464)	1	10	7

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155403 (2023465)	1	24	10
155404 (2023466)	2	14	7
155405 (2023467)	<1	16	17
155406 (2023468)	2	15	8
155407 (2023469)	1	18	20
155408 (2023470)	1	25	20
155409 (2023471)	<1	7	14
155410 (2023472)	163	1340	635
155411 (2023473)	20	274	44
155412 (2023474)	16	489	191
155413 (2023475)	85	2930	721
155414 (2023476)	394	2630	611
155415 (2023477)	74	1290	396
155416 (2023478)	88	1330	443
155417 (2023479)	87	902	308

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155339 (2023401)	90
155358 (2023420)	75.0
155378 (2023440)	78.9

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jan 28, 2021 | DATE RECEIVED: Jan 28, 2021 | DATE REPORTED: Feb 24, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155339 (2023401)	87.86
155356 (2023418)	93.72
155376 (2023438)	92.03
155393 (2023455)	82.36
155412 (2023474)	90.08

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2023401	< 0.5	< 0.5	0.0%	2023416	< 0.5	< 0.5	0.0%	2023426	< 0.5	< 0.5	0.0%	2023441	< 0.5	< 0.5	0.0%
Al	2023401	7.64	7.67	0.4%	2023416	8.03	7.64	5.0%	2023426	7.18	7.20	0.3%	2023441	7.62	8.20	7.3%
As	2023401	< 1	< 1	0.0%	2023416	13	16	20.7%	2023426	7	6	15.4%	2023441	< 1	< 1	0.0%
Ba	2023401	180	181	0.6%	2023416	73	70	4.2%	2023426	178	179	0.6%	2023441	61	65	6.3%
Be	2023401	< 0.5	< 0.5	0.0%	2023416	0.5	< 0.5		2023426	< 0.5	< 0.5	0.0%	2023441	< 0.5	< 0.5	0.0%
Bi	2023401	< 1	< 1	0.0%	2023416	< 1	< 1	0.0%	2023426	< 1	< 1	0.0%	2023441	< 1	< 1	0.0%
Ca	2023401	6.78	6.84	0.9%	2023416	5.86	5.69	2.9%	2023426	7.31	7.33	0.3%	2023441	6.43	6.63	3.1%
Cd	2023401	< 0.5	< 0.5	0.0%	2023416	< 0.5	< 0.5	0.0%	2023426	< 0.5	< 0.5	0.0%	2023441	< 0.5	< 0.5	0.0%
Ce	2023401	33	32	3.1%	2023416	28	28	0.0%	2023426	25	26	3.9%	2023441	21	22	4.7%
Co	2023401	48.3	47.4	1.9%	2023416	48.0	49.8	3.7%	2023426	42.7	41.8	2.1%	2023441	37.0	38.4	3.7%
Cr	2023401	82.7	88.6	6.9%	2023416	78.1	76.7	1.8%	2023426	81.2	80.5	0.9%	2023441	123	133	7.8%
Cu	2023401	169	176	4.1%	2023416	130	122	6.3%	2023426	89.1	87.5	1.8%	2023441	50.6	54.5	7.4%
Fe	2023401	8.69	8.82	1.5%	2023416	9.31	9.02	3.2%	2023426	8.10	8.16	0.7%	2023441	7.15	7.37	3.0%
Ga	2023401	22	21	4.7%	2023416	22	22	0.0%	2023426	21	20	4.9%	2023441	17	17	0.0%
In	2023401	< 1	< 1	0.0%	2023416	< 1	< 1	0.0%	2023426	< 1	< 1	0.0%	2023441	< 1	< 1	0.0%
K	2023401	0.405	0.408	0.7%	2023416	0.226	0.223	1.3%	2023426	0.65	0.65	0.0%	2023441	0.20	0.20	0.0%
La	2023401	14	14	0.0%	2023416	12	12	0.0%	2023426	10	11	9.5%	2023441	9	9	0.0%
Li	2023401	15	15	0.0%	2023416	18	18	0.0%	2023426	16	16	0.0%	2023441	15	16	6.5%
Mg	2023401	3.44	3.45	0.3%	2023416	3.89	3.69	5.3%	2023426	3.55	3.58	0.8%	2023441	4.31	4.62	6.9%
Mn	2023401	1420	1420	0.0%	2023416	1440	1360	5.7%	2023426	1360	1370	0.7%	2023441	1290	1390	7.5%
Mo	2023401	< 0.5	< 0.5	0.0%	2023416	< 0.5	< 0.5	0.0%	2023426	< 0.5	< 0.5	0.0%	2023441	< 0.5	< 0.5	0.0%
Na	2023401	1.84	1.85	0.5%	2023416	2.59	2.51	3.1%	2023426	2.02	2.03	0.5%	2023441	2.30	2.38	3.4%
Ni	2023401	60.2	59.6	1.0%	2023416	61.0	60.3	1.2%	2023426	57.4	57.0	0.7%	2023441	81.6	83.2	1.9%
P	2023401	519	513	1.2%	2023416	445	431	3.2%	2023426	394	395	0.3%	2023441	347	359	3.4%
Pb	2023401	< 1	< 1	0.0%	2023416	< 1	1		2023426	< 1	< 1	0.0%	2023441	< 1	< 1	0.0%
Rb	2023401	17	17	0.0%	2023416	12	11	8.7%	2023426	29	30	3.4%	2023441	10	10	0.0%
S	2023401	0.11	0.11	0.0%	2023416	0.03	0.03	0.0%	2023426	0.05	0.05	0.0%	2023441	0.074	0.078	5.3%
Sb	2023401	< 1	< 1	0.0%	2023416	< 1	< 1	0.0%	2023426	< 1	< 1	0.0%	2023441	< 1	< 1	0.0%
Sc	2023401	42	41	2.4%	2023416	40	40	0.0%	2023426	39	40	2.5%	2023441	37	38	2.7%
Se	2023401	< 10	< 10	0.0%	2023416	< 10	< 10	0.0%	2023426	< 10	< 10	0.0%	2023441	< 10	< 10	0.0%
Sn	2023401	< 5	< 5	0.0%	2023416	< 5	< 5	0.0%	2023426	< 5	< 5	0.0%	2023441	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2023401	213	213	0.0%	2023416	196	191	2.6%	2023426	181	181	0.0%	2023441	174	180	3.4%
Ta	2023401	< 10	< 10	0.0%	2023416	< 10	< 10	0.0%	2023426	< 10	< 10	0.0%	2023441	< 10	< 10	0.0%
Te	2023401	< 10	< 10	0.0%	2023416	< 10	< 10	0.0%	2023426	< 10	< 10	0.0%	2023441	< 10	< 10	0.0%
Th	2023401	< 5	< 5	0.0%	2023416	< 5	< 5	0.0%	2023426	< 5	< 5	0.0%	2023441	< 5	< 5	0.0%
Ti	2023401	0.702	0.710	1.1%	2023416	0.547	0.515	6.0%	2023426	0.544	0.559	2.7%	2023441	0.361	0.388	7.2%
Tl	2023401	< 5	< 5	0.0%	2023416	< 5	< 5	0.0%	2023426	< 5	< 5	0.0%	2023441	< 5	< 5	0.0%
U	2023401	< 5	< 5	0.0%	2023416	< 5	< 5	0.0%	2023426	< 5	< 5	0.0%	2023441	< 5	< 5	0.0%
V	2023401	373	364	2.4%	2023416	308	308	0.0%	2023426	312	316	1.3%	2023441	202	209	3.4%
W	2023401	< 1	< 1	0.0%	2023416	< 1	< 1	0.0%	2023426	< 1	< 1	0.0%	2023441	< 1	< 1	0.0%
Y	2023401	22	22	0.0%	2023416	20	20	0.0%	2023426	18	18	0.0%	2023441	15	16	6.5%
Zn	2023401	86.9	87.7	0.9%	2023416	94.0	94.4	0.4%	2023426	80.3	80.6	0.4%	2023441	77.7	80.3	3.3%
Zr	2023401	76	75	1.3%	2023416	63	62	1.6%	2023426	55	55	0.0%	2023441	44	47	6.6%
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	2023451	< 0.5	< 0.5	0.0%	2023466	< 0.5	< 0.5	0.0%	2023476	0.7	0.8	13.3%				
Al	2023451	10.8	10.7	0.9%	2023466	10.2	9.96	2.4%	2023476	7.27	7.39	1.6%				
As	2023451	< 1	< 1	0.0%	2023466	< 1	< 1	0.0%	2023476	< 1	< 1	0.0%				
Ba	2023451	157	153	2.6%	2023466	106	104	1.9%	2023476	8	8	0.0%				
Be	2023451	< 0.5	< 0.5	0.0%	2023466	< 0.5	< 0.5	0.0%	2023476	< 0.5	< 0.5	0.0%				
Bi	2023451	< 1	< 1	0.0%	2023466	< 1	< 1	0.0%	2023476	< 1	< 1	0.0%				
Ca	2023451	8.12	8.00	1.5%	2023466	7.68	7.56	1.6%	2023476	3.76	3.76	0.0%				
Cd	2023451	< 0.5	< 0.5	0.0%	2023466	< 0.5	< 0.5	0.0%	2023476	< 0.5	< 0.5	0.0%				
Ce	2023451	12	12	0.0%	2023466	8	8	0.0%	2023476	5	4	22.2%				
Co	2023451	31.3	32.1	2.5%	2023466	45.6	44.5	2.4%	2023476	112	113	0.9%				
Cr	2023451	94.8	91.6	3.4%	2023466	114	112	1.8%	2023476	610	640	4.8%				
Cu	2023451	31.5	32.9	4.3%	2023466	55.0	54.3	1.3%	2023476	1920	1870	2.6%				
Fe	2023451	5.11	5.07	0.8%	2023466	5.81	5.69	2.1%	2023476	10.7	10.7	0.0%				
Ga	2023451	21	19	10.0%	2023466	18	17	5.7%	2023476	< 5	< 5	0.0%				
In	2023451	< 1	< 1	0.0%	2023466	< 1	< 1	0.0%	2023476	< 1	< 1	0.0%				
K	2023451	0.46	0.45	2.2%	2023466	0.24	0.24	0.0%	2023476	0.03	0.03	0.0%				
La	2023451	5	5	0.0%	2023466	3	3	0.0%	2023476	< 2	< 2	0.0%				
Li	2023451	11	11	0.0%	2023466	13	12	8.0%	2023476	47	48	2.1%				
Mg	2023451	3.32	3.32	0.0%	2023466	3.96	3.84	3.1%	2023476	9.72	9.92	2.0%				
Mn	2023451	909	905	0.4%	2023466	955	927	3.0%	2023476	1650	1690	2.4%				

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Mo	2023451	< 0.5	< 0.5	0.0%	2023466	< 0.5	< 0.5	0.0%	2023476	< 0.5	< 0.5	0.0%				
Na	2023451	1.92	1.87	2.6%	2023466	1.84	1.83	0.5%	2023476	0.29	0.29	0.0%				
Ni	2023451	67.9	68.2	0.4%	2023466	114	110	3.6%	2023476	1260	1280	1.6%				
P	2023451	187	206	9.7%	2023466	119	124	4.1%	2023476	49	57	15.1%				
Pb	2023451	< 1	< 1	0.0%	2023466	< 1	< 1	0.0%	2023476	1	2					
Rb	2023451	23	22	4.4%	2023466	13	13	0.0%	2023476	< 10	< 10	0.0%				
S	2023451	0.06	0.06	0.0%	2023466	0.13	0.13	0.0%	2023476	0.44	0.44	0.0%				
Sb	2023451	< 1	< 1	0.0%	2023466	< 1	< 1	0.0%	2023476	< 1	< 1	0.0%				
Sc	2023451	26	26	0.0%	2023466	26	25	3.9%	2023476	15	16	6.5%				
Se	2023451	< 10	< 10	0.0%	2023466	< 10	< 10	0.0%	2023476	< 10	< 10	0.0%				
Sn	2023451	< 5	< 5	0.0%	2023466	< 5	< 5	0.0%	2023476	< 5	< 5	0.0%				
Sr	2023451	288	281	2.5%	2023466	259	256	1.2%	2023476	24	24	0.0%				
Ta	2023451	< 10	< 10	0.0%	2023466	< 10	< 10	0.0%	2023476	< 10	< 10	0.0%				
Te	2023451	< 10	< 10	0.0%	2023466	< 10	< 10	0.0%	2023476	< 10	< 10	0.0%				
Th	2023451	< 5	< 5	0.0%	2023466	< 5	< 5	0.0%	2023476	< 5	< 5	0.0%				
Ti	2023451	0.239	0.231	3.4%	2023466	0.18	0.18	0.0%	2023476	0.083	0.087	4.7%				
Tl	2023451	< 5	< 5	0.0%	2023466	< 5	< 5	0.0%	2023476	< 5	< 5	0.0%				
U	2023451	< 5	< 5	0.0%	2023466	< 5	< 5	0.0%	2023476	< 5	< 5	0.0%				
V	2023451	146	144	1.4%	2023466	127	122	4.0%	2023476	78.0	80.3	2.9%				
W	2023451	< 1	< 1	0.0%	2023466	< 1	< 1	0.0%	2023476	< 1	< 1	0.0%				
Y	2023451	9	9	0.0%	2023466	7	7	0.0%	2023476	3	3	0.0%				
Zn	2023451	53.6	53.6	0.0%	2023466	61.9	63.7	2.9%	2023476	160	163	1.9%				
Zr	2023451	24	23	4.3%	2023466	13	14	7.4%	2023476	8	8	0.0%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2023401	10	9	10.5%	2023416	7	6	15.4%	2023426	8	4		2023441	2	1	
Pd	2023476	2630	2490	5.5%	2023416	20	20	0.0%	2023426	23	23	0.0%	2023441	10	10	0.0%
Pt	2023476	611	610	0.2%	2023416	20	20	0.0%	2023426	13	11	16.7%	2023441	11	15	
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2023451	1	6		2023466	2	1									
Pd	2023451	8	9	11.8%	2023466	14	15	6.9%								
Pt	2023451	< 5	< 5	0.0%	2023466	7	< 5									

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.31	109%	90% - 110%				
Al	8.47	8.38	99%	90% - 110%	6.96	7.33	105%	90% - 110%	4.75	4.97	105%	90% - 110%	8.47	8.84	104%	90% - 110%
As	26	25	96%	90% - 110%	124	129	104%	90% - 110%					26	24	91%	90% - 110%
Ba	540	531	98%	90% - 110%	186	191	103%	90% - 110%	216	232	107%	90% - 110%	540	556	103%	90% - 110%
Be	4.0	3.4	84%	90% - 110%									4.0	3.4	86%	90% - 110%
Ca	0.907	0.883	97%	90% - 110%	4.01	3.99	99%	90% - 110%	10	10	95%	90% - 110%	0.907	0.942	104%	90% - 110%
Ce	98	106	109%	90% - 110%	24	26	107%	90% - 110%					98	100	102%	90% - 110%
Co	13	12	93%	90% - 110%	22.1	21.8	99%	90% - 110%	191	175	92%	90% - 110%	13	14	107%	90% - 110%
Cr	60.3	57.8	96%	90% - 110%					670	646	96%	90% - 110%	60.3	55.3	92%	90% - 110%
Cu	150	154	103%	90% - 110%	88.6	87.9	99%	90% - 110%	7120	7239	102%	90% - 110%	150	158	105%	90% - 110%
Fe	3.77	3.54	94%	90% - 110%	7.56	7.25	96%	90% - 110%	12.71	11.83	93%	90% - 110%	3.77	3.77	100%	90% - 110%
K					2.021	2.114	105%	90% - 110%	0.1021	0.1087	106%	90% - 110%				
La	44	47	107%	90% - 110%					8.47	6.05	71%	90% - 110%	44	44	100%	90% - 110%
Li	47	47	101%	90% - 110%									47	50	107%	90% - 110%
Mg	1.10	1.07	97%	90% - 110%	2.412	2.475	103%	90% - 110%	7.41	7.14	96%	90% - 110%	1.10	1.14	103%	90% - 110%
Mn	780	750	96%	90% - 110%	1510	1496	99%	90% - 110%					780	799	102%	90% - 110%
Mo	14	14	100%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.662	102%	90% - 110%	0.617	0.633	103%	90% - 110%	0.112	0.118	106%	90% - 110%	1.624	1.758	108%	90% - 110%
Ni	32	32	99%	90% - 110%	77.1	74	96%	90% - 110%	2480	2375	95%	90% - 110%	32	31	96%	90% - 110%
P	750	732	98%	90% - 110%	892	947	106%	90% - 110%	731	707	97%	90% - 110%	750	724	97%	90% - 110%
Pb	31	29	93%	90% - 110%									31	32	103%	90% - 110%
Rb	143	151	106%	90% - 110%									143	129	90%	90% - 110%
S					0.348	0.362	104%	90% - 110%								
Sc	12	13	105%	90% - 110%					21.33	23.02	108%	90% - 110%	12	12	103%	90% - 110%
Sr	144	151	105%	90% - 110%	92.8	91.6	99%	90% - 110%	39	39	99%	90% - 110%	144	158	110%	90% - 110%
Ti	0.53	0.52	98%	90% - 110%					0.419	0.408	97%	90% - 110%	0.53	0.51	97%	90% - 110%
V	77	79	102%	90% - 110%					158	166	105%	90% - 110%	77	77	100%	90% - 110%
W	5	4	85%	90% - 110%												
Y									12.67	13.53	107%	90% - 110%				
Zn	130	123	95%	90% - 110%	208	212	102%	90% - 110%	112	113	101%	90% - 110%	130	125	97%	90% - 110%
Zr									35.7	38.4	108%	90% - 110%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

	CRM #5 (ref.WMG-1a)															
Parameter	Expect	Actual	Recovery	Limits												
Ag	3.03	2.99	99%	90% - 110%												
Al	4.75	4.82	101%	90% - 110%												
Ba	216	224	103%	90% - 110%												
Ca	10	9	93%	90% - 110%												
Co	191	178	93%	90% - 110%												
Cr	670	647	96%	90% - 110%												
Cu	7120	7021	99%	90% - 110%												
Fe	12.71	11.54	91%	90% - 110%												
K	0.1021	0.1077	105%	90% - 110%												
Mg	7.41	6.96	94%	90% - 110%												
Na	0.112	0.114	102%	90% - 110%												
Ni	2480	2378	95%	90% - 110%												
P	731	712	97%	90% - 110%												
Sc	21.33	23.1	108%	90% - 110%												
Sr	39	38	97%	90% - 110%												
Ti	0.419	0.395	94%	90% - 110%												
V	158	169	107%	90% - 110%												
Y	12.67	13.48	106%	90% - 110%												
Zn	112	109	97%	90% - 110%												
Zr	35.7	38.1	107%	90% - 110%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1963	103%	90% - 110%	1897	2069	109%	90% - 110%	1897	1787	94%	90% - 110%	1897	1951	103%	90% - 110%
Pd	1660	1703	103%	90% - 110%	1660	1678	101%	90% - 110%	1660	1633	98%	90% - 110%	1660	1717	103%	90% - 110%
Pt	223	230	103%	90% - 110%	223	226	101%	90% - 110%	223	216	96%	90% - 110%	223	220	98%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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AGAT Laboratories
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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T704865

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T707848

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Mar 15, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155418 (2056292)	2.85
155419 (2056293)	2.22
155420 (2056294)	1.84
155421 (2056295)	2.37
155422 (2056296)	2.22
155423 (2056297)	2.41
155424 (2056298)	2.48
155425 (2056299)	2.41
155426 (2056300)	2.39
155427 (2056301)	2.57
155428 (2056302)	2.52
155429 (2056303)	2.34
155430 (2056304)	0.11
155431 (2056305)	2.47
155432 (2056306)	2.57
155433 (2056307)	2.24
155434 (2056308)	2.48
155435 (2056309)	2.50
155436 (2056310)	2.10
155437 (2056311)	2.49
155438 (2056312)	2.51
155439 (2056313)	2.31
155440 (2056314)	0.77
155441 (2056315)	2.37
155442 (2056316)	2.50
155443 (2056317)	2.52
155444 (2056318)	2.49
155445 (2056319)	2.48
155446 (2056320)	2.49
155447 (2056321)	2.52
155448 (2056322)	2.46

Certified By:

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AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155449 (2056323)	1.17
155450 (2056324)	1.21
155451 (2056325)	2.43
155452 (2056326)	2.48
155453 (2056327)	2.38
155454 (2056328)	2.43
155455 (2056329)	2.44
155456 (2056330)	2.41
155457 (2056331)	2.54
155458 (2056332)	2.45
155459 (2056333)	1.20
155460 (2056334)	1.19
155461 (2056335)	2.42
155462 (2056336)	2.43
155463 (2056337)	2.64
155464 (2056338)	2.44
155465 (2056339)	2.50
155466 (2056340)	2.39
155467 (2056341)	2.49
155468 (2056342)	2.50
155469 (2056343)	2.54
155470 (2056344)	0.73
155471 (2056345)	2.41
155472 (2056346)	2.41
155473 (2056347)	2.43
155474 (2056348)	2.45
155475 (2056349)	2.49
155476 (2056350)	2.51
155477 (2056351)	2.50
155478 (2056352)	2.55
155479 (2056353)	1.24

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AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155480 (2056354)	1.09
155481 (2056355)	2.32
155482 (2056356)	2.52
155483 (2056357)	2.47
155484 (2056358)	2.67
155485 (2056359)	2.48
155486 (2056360)	2.45
155487 (2056361)	2.57
155488 (2056362)	2.43
155489 (2056363)	2.27

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

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AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155418 (2056292)	<0.5	8.02	<1	186	<0.5	<1	7.32	<0.5	18	48.2	60.3	85.1	7.46	15
155419 (2056293)	<0.5	8.08	<1	216	<0.5	<1	7.29	<0.5	17	47.7	46.8	59.3	7.62	16
155420 (2056294)	<0.5	7.73	<1	219	<0.5	<1	6.30	<0.5	15	47.8	34.2	36.6	7.23	15
155421 (2056295)	<0.5	7.92	<1	205	<0.5	<1	6.87	<0.5	15	50.0	44.4	86.5	7.83	18
155422 (2056296)	<0.5	8.03	<1	177	<0.5	<1	7.04	<0.5	16	46.6	39.5	54.5	7.13	17
155423 (2056297)	<0.5	8.15	<1	172	<0.5	<1	7.23	<0.5	16	47.5	37.9	54.5	7.58	21
155424 (2056298)	<0.5	8.07	<1	141	<0.5	<1	6.29	<0.5	19	52.8	67.8	49.5	8.08	22
155425 (2056299)	<0.5	7.50	<1	128	<0.5	<1	6.81	<0.5	18	45.2	72.1	77.2	7.33	20
155426 (2056300)	<0.5	8.23	<1	154	<0.5	<1	7.13	<0.5	18	50.1	39.4	78.9	7.58	20
155427 (2056301)	<0.5	7.56	<1	162	<0.5	<1	6.66	<0.5	18	50.8	35.1	48.9	7.98	18
155428 (2056302)	<0.5	8.15	<1	183	<0.5	<1	7.02	<0.5	20	47.7	40.2	88.8	7.84	19
155429 (2056303)	<0.5	8.32	<1	217	<0.5	<1	7.21	<0.5	20	48.0	33.4	95.4	8.14	21
155430 (2056304)	3.8	7.04	<1	283	0.7	<1	4.10	<0.5	29	159	243	6730	13.4	<5
155431 (2056305)	<0.5	7.56	<1	222	<0.5	<1	7.18	<0.5	17	54.2	37.7	74.4	8.79	18
155432 (2056306)	<0.5	7.73	<1	224	<0.5	<1	7.20	<0.5	19	52.6	36.1	150	9.19	18
155433 (2056307)	<0.5	7.69	<1	250	<0.5	<1	6.93	<0.5	17	53.9	43.1	70.1	9.08	17
155434 (2056308)	<0.5	7.91	<1	229	<0.5	<1	7.09	<0.5	16	54.0	31.9	107	9.13	17
155435 (2056309)	<0.5	8.11	<1	225	<0.5	<1	6.97	<0.5	18	53.0	26.6	165	9.36	20
155436 (2056310)	<0.5	7.15	<1	247	<0.5	<1	6.27	<0.5	17	59.7	25.8	132	9.65	19
155437 (2056311)	<0.5	7.77	<1	202	<0.5	<1	6.94	<0.5	17	55.9	29.3	211	8.90	19
155438 (2056312)	<0.5	7.66	<1	228	<0.5	<1	7.03	<0.5	19	55.0	30.4	199	9.34	19
155439 (2056313)	<0.5	7.47	<1	233	<0.5	<1	7.06	<0.5	18	53.6	45.3	198	9.17	17
155440 (2056314)	<0.5	0.04	<1	1540	<0.5	<1	19.9	<0.5	<1	<0.5	5.5	<0.5	0.05	<5
155441 (2056315)	<0.5	7.72	<1	236	<0.5	<1	6.91	<0.5	18	51.6	37.2	185	8.88	18
155442 (2056316)	<0.5	9.02	<1	321	<0.5	<1	7.39	<0.5	15	46.2	24.5	185	8.81	19
155443 (2056317)	<0.5	8.85	<1	275	<0.5	<1	7.25	<0.5	14	48.6	33.0	207	8.55	18
155444 (2056318)	<0.5	7.62	<1	217	<0.5	<1	7.26	<0.5	18	55.9	40.7	255	9.17	19
155445 (2056319)	<0.5	7.59	<1	236	<0.5	<1	7.16	<0.5	17	53.7	29.4	238	9.52	20
155446 (2056320)	<0.5	7.79	<1	232	<0.5	<1	7.31	<0.5	17	53.0	34.9	182	9.24	19
155447 (2056321)	<0.5	7.45	<1	226	<0.5	<1	7.07	<0.5	18	54.2	33.1	162	9.32	21
155448 (2056322)	<0.5	7.44	<1	220	<0.5	<1	7.23	<0.5	19	54.1	29.1	191	9.92	19
155449 (2056323)	<0.5	7.66	<1	185	<0.5	<1	6.39	<0.5	31	48.2	33.1	145	9.37	21

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155450 (2056324)	<0.5	7.67	<1	183	<0.5	<1	6.53	<0.5	32	48.0	35.0	164	9.54	22
155451 (2056325)	<0.5	7.48	<1	171	<0.5	<1	6.40	<0.5	21	52.7	31.2	153	9.79	20
155452 (2056326)	<0.5	7.30	<1	167	0.5	<1	6.42	<0.5	23	51.2	30.6	236	9.91	19
155453 (2056327)	<0.5	6.81	<1	184	<0.5	<1	5.46	<0.5	23	52.5	29.6	126	9.50	18
155454 (2056328)	<0.5	7.33	<1	248	<0.5	<1	6.95	<0.5	23	53.4	31.6	247	9.63	20
155455 (2056329)	<0.5	7.33	<1	309	<0.5	<1	7.21	<0.5	24	53.9	34.5	213	9.98	21
155456 (2056330)	<0.5	8.01	<1	265	<0.5	<1	6.98	<0.5	25	47.2	35.3	120	8.67	20
155457 (2056331)	<0.5	7.94	<1	349	<0.5	<1	6.80	<0.5	19	49.9	35.2	163	8.55	20
155458 (2056332)	<0.5	7.51	<1	285	<0.5	<1	6.83	<0.5	19	51.9	38.6	147	8.34	21
155459 (2056333)	<0.5	7.68	<1	284	<0.5	<1	6.88	<0.5	16	48.3	42.0	94.1	8.16	20
155460 (2056334)	<0.5	7.71	<1	267	<0.5	<1	6.98	<0.5	19	49.8	32.0	166	8.30	19
155461 (2056335)	<0.5	7.49	<1	293	0.5	<1	6.48	<0.5	29	47.7	59.2	118	8.42	21
155462 (2056336)	<0.5	7.22	<1	298	<0.5	<1	6.76	<0.5	22	51.6	32.6	107	9.00	18
155463 (2056337)	<0.5	7.78	<1	287	<0.5	<1	7.13	<0.5	19	53.7	37.5	163	9.00	21
155464 (2056338)	<0.5	7.10	<1	443	<0.5	<1	7.64	<0.5	28	53.0	153	203	9.32	19
155465 (2056339)	<0.5	7.34	<1	186	<0.5	<1	6.52	<0.5	22	52.6	31.5	127	8.99	20
155466 (2056340)	<0.5	7.91	<1	171	<0.5	<1	7.39	<0.5	15	48.5	34.3	145	8.11	19
155467 (2056341)	<0.5	7.77	<1	216	<0.5	<1	7.38	<0.5	18	52.4	41.4	139	8.74	19
155468 (2056342)	<0.5	7.80	<1	249	<0.5	<1	7.20	<0.5	18	50.1	26.8	125	8.19	20
155469 (2056343)	<0.5	7.85	<1	367	<0.5	<1	7.12	1.0	27	48.8	116	124	7.88	20
155470 (2056344)	<0.5	0.03	<1	838	<0.5	<1	20.1	<0.5	<1	<0.5	6.2	<0.5	0.04	<5
155471 (2056345)	<0.5	7.96	<1	364	<0.5	<1	6.91	<0.5	24	46.4	53.8	93.7	8.02	21
155472 (2056346)	<0.5	7.84	<1	298	<0.5	<1	7.01	<0.5	25	47.3	44.2	115	8.18	21
155473 (2056347)	<0.5	7.67	<1	213	<0.5	<1	6.70	<0.5	27	49.4	40.2	101	8.18	19
155474 (2056348)	<0.5	8.07	<1	202	<0.5	<1	7.03	<0.5	18	48.1	34.0	76.5	7.55	22
155475 (2056349)	<0.5	8.32	<1	207	<0.5	<1	7.29	<0.5	18	47.9	40.0	94.6	7.74	20
155476 (2056350)	<0.5	8.42	<1	297	<0.5	<1	7.28	<0.5	18	49.0	36.1	100	7.76	22
155477 (2056351)	<0.5	8.41	<1	183	<0.5	<1	7.00	<0.5	17	47.2	39.8	101	8.00	20
155478 (2056352)	<0.5	7.77	<1	214	<0.5	<1	6.60	<0.5	17	50.0	30.5	98.6	8.59	18
155479 (2056353)	<0.5	6.74	<1	696	<0.5	<1	7.55	<0.5	51	53.5	255	187	8.12	16
155480 (2056354)	<0.5	6.49	<1	899	0.6	<1	7.84	<0.5	57	50.2	343	100	7.90	13
155481 (2056355)	<0.5	6.19	<1	1130	0.7	<1	8.11	<0.5	65	47.0	426	94.9	6.71	12

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155482 (2056356)	<0.5	7.76	<1	272	<0.5	<1	6.88	<0.5	23	49.2	41.0	117	8.32	22
155483 (2056357)	<0.5	7.67	<1	190	<0.5	<1	6.80	<0.5	24	45.2	43.2	133	8.22	20
155484 (2056358)	<0.5	7.64	<1	120	<0.5	<1	6.85	<0.5	22	42.0	45.3	124	7.88	17
155485 (2056359)	<0.5	8.53	<1	221	<0.5	<1	6.30	<0.5	17	51.6	42.3	109	8.26	22
155486 (2056360)	<0.5	7.83	<1	171	<0.5	<1	6.01	<0.5	16	48.2	48.1	111	8.44	19
155487 (2056361)	<0.5	7.61	<1	92	<0.5	<1	6.28	<0.5	26	47.1	40.2	180	8.18	20
155488 (2056362)	<0.5	8.25	<1	201	<0.5	<1	5.55	<0.5	17	49.1	43.0	66.4	8.67	21
155489 (2056363)	<0.5	7.76	<1	307	<0.5	<1	5.00	<0.5	24	56.0	40.1	96.0	9.09	19

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155418 (2056292)	<1	0.56	7	15	4.02	1390	2.7	1.59	73.6	260	<1	24	0.02	<1
155419 (2056293)	<1	0.62	7	19	4.59	1410	<0.5	1.56	79.8	267	<1	24	0.02	<1
155420 (2056294)	<1	0.81	6	21	4.23	1400	<0.5	1.69	71.9	223	<1	29	0.02	<1
155421 (2056295)	<1	0.66	6	17	4.27	1440	<0.5	1.60	72.0	219	4	27	0.03	<1
155422 (2056296)	<1	0.52	6	14	3.92	1320	1.1	1.57	65.5	223	<1	21	0.02	<1
155423 (2056297)	<1	0.48	7	14	4.03	1410	<0.5	1.60	66.1	241	<1	21	0.03	<1
155424 (2056298)	<1	0.49	7	22	4.12	1440	0.7	1.50	72.7	270	2	22	0.02	<1
155425 (2056299)	<1	0.52	8	17	3.64	1340	2.7	1.48	63.1	261	<1	22	0.02	<1
155426 (2056300)	<1	0.50	7	16	4.12	1440	<0.5	1.67	70.6	261	<1	20	0.02	<1
155427 (2056301)	<1	0.53	7	19	4.18	1410	<0.5	1.61	67.5	256	<1	22	0.02	<1
155428 (2056302)	<1	0.56	8	16	3.89	1410	1.2	1.71	62.5	296	<1	22	0.03	<1
155429 (2056303)	<1	0.68	8	17	4.11	1450	<0.5	1.70	62.4	296	<1	26	0.03	<1
155430 (2056304)	<1	0.66	11	13	4.00	1170	<0.5	1.85	8910	580	36	23	2.78	<1
155431 (2056305)	<1	0.66	7	16	3.88	1450	<0.5	1.52	73.0	254	<1	27	0.03	<1
155432 (2056306)	<1	0.69	7	19	4.10	1510	<0.5	1.55	73.1	265	1	26	0.04	<1
155433 (2056307)	<1	0.68	7	18	3.88	1430	<0.5	1.73	70.1	237	<1	27	0.02	<1
155434 (2056308)	<1	0.64	6	18	3.99	1500	<0.5	1.78	70.4	224	<1	25	0.03	<1
155435 (2056309)	<1	0.71	7	20	4.07	1540	<0.5	1.88	68.5	258	<1	26	0.03	<1
155436 (2056310)	<1	0.86	6	22	4.29	1510	<0.5	1.74	66.6	221	<1	33	0.03	<1
155437 (2056311)	<1	0.55	7	15	3.82	1450	<0.5	1.80	69.5	236	<1	22	0.04	<1
155438 (2056312)	<1	0.63	7	18	3.74	1540	<0.5	1.72	63.9	274	1	24	0.04	<1
155439 (2056313)	<1	0.59	7	15	3.72	1500	<0.5	1.67	60.6	243	<1	24	0.04	<1
155440 (2056314)	2	0.01	<2	7	13.3	383	<0.5	0.02	<0.5	41	<1	<10	0.09	<1
155441 (2056315)	<1	0.63	7	15	3.61	1480	<0.5	1.75	56.7	266	<1	25	0.04	<1
155442 (2056316)	<1	0.79	6	18	3.18	1400	<0.5	1.98	54.6	194	<1	31	0.04	<1
155443 (2056317)	<1	0.70	5	17	3.30	1390	<0.5	1.92	55.4	194	<1	28	0.04	<1
155444 (2056318)	<1	0.58	7	15	3.78	1520	<0.5	1.58	66.9	249	1	24	0.05	<1
155445 (2056319)	<1	0.62	6	16	3.73	1540	<0.5	1.59	61.1	226	<1	25	0.04	<1
155446 (2056320)	<1	0.58	7	15	3.61	1480	<0.5	1.74	60.6	232	<1	24	0.05	<1
155447 (2056321)	<1	0.60	7	15	3.56	1530	<0.5	1.55	64.6	251	<1	25	0.05	<1
155448 (2056322)	<1	0.61	7	16	3.53	1580	<0.5	1.76	67.0	234	1	25	0.05	<1
155449 (2056323)	<1	0.50	13	16	3.07	1520	<0.5	2.21	50.1	431	<1	20	0.03	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155450 (2056324)	<1	0.50	13	15	3.13	1540	<0.5	2.19	48.9	454	<1	20	0.04	<1
155451 (2056325)	<1	0.48	9	16	3.48	1620	<0.5	2.22	57.2	304	2	19	0.03	<1
155452 (2056326)	<1	0.48	9	17	3.58	1620	<0.5	2.14	63.4	320	1	19	0.04	<1
155453 (2056327)	<1	0.55	9	19	3.55	1490	<0.5	2.27	56.6	323	<1	23	0.03	<1
155454 (2056328)	<1	0.69	9	15	3.50	1590	<0.5	1.64	64.2	334	2	27	0.05	<1
155455 (2056329)	<1	0.82	9	15	3.60	1610	<0.5	1.46	65.0	343	<1	32	0.09	<1
155456 (2056330)	<1	0.68	10	14	3.67	1480	<0.5	1.81	54.0	392	<1	26	0.03	<1
155457 (2056331)	<1	0.98	8	20	4.09	1480	<0.5	1.60	70.4	281	<1	37	0.04	<1
155458 (2056332)	<1	0.77	7	15	3.90	1440	<0.5	1.56	67.0	268	<1	31	0.06	<1
155459 (2056333)	<1	0.85	6	18	4.12	1420	<0.5	1.79	68.9	225	<1	33	0.03	<1
155460 (2056334)	<1	0.83	8	19	4.24	1460	<0.5	1.81	71.1	289	<1	31	0.05	<1
155461 (2056335)	<1	0.80	12	17	3.42	1430	2.1	1.78	59.1	464	<1	31	0.06	<1
155462 (2056336)	<1	0.82	9	19	3.91	1480	<0.5	1.60	68.0	323	1	32	0.11	<1
155463 (2056337)	<1	0.82	7	14	4.04	1530	<0.5	1.65	68.2	248	<1	31	0.08	<1
155464 (2056338)	<1	0.79	11	23	4.78	1470	<0.5	1.35	115	499	4	31	0.13	<1
155465 (2056339)	<1	0.54	9	15	3.79	1470	<0.5	1.88	64.2	315	<1	22	0.06	<1
155466 (2056340)	<1	0.55	6	11	3.84	1420	<0.5	1.73	66.6	195	<1	21	0.05	<1
155467 (2056341)	<1	0.69	7	13	3.93	1490	<0.5	1.65	68.2	247	2	26	0.06	<1
155468 (2056342)	<1	0.74	7	12	3.79	1410	<0.5	1.58	66.2	257	<1	30	0.06	<1
155469 (2056343)	<1	0.92	11	17	4.03	1360	<0.5	1.61	89.4	478	3	36	0.06	<1
155470 (2056344)	3	0.01	3	8	12.7	395	<0.5	0.02	<0.5	68	<1	<10	0.07	<1
155471 (2056345)	<1	1.07	10	17	3.76	1380	<0.5	1.64	68.7	386	<1	43	0.06	<1
155472 (2056346)	<1	1.00	10	15	3.88	1440	<0.5	1.59	64.3	394	<1	39	0.05	<1
155473 (2056347)	<1	0.69	11	14	3.83	1460	<0.5	1.72	64.7	431	<1	29	0.06	<1
155474 (2056348)	<1	0.71	7	14	3.86	1400	<0.5	1.79	68.0	284	<1	27	0.03	<1
155475 (2056349)	<1	0.71	7	13	3.98	1460	<0.5	1.73	68.3	264	<1	27	0.04	<1
155476 (2056350)	<1	1.00	8	14	3.91	1460	<0.5	1.61	70.6	273	<1	37	0.05	<1
155477 (2056351)	<1	0.62	7	14	3.99	1490	<0.5	2.13	68.3	244	<1	23	0.04	<1
155478 (2056352)	<1	0.71	7	18	4.09	1520	<0.5	2.05	66.7	233	<1	26	0.03	<1
155479 (2056353)	<1	1.32	21	24	5.89	1510	<0.5	1.30	168	952	2	55	0.08	<1
155480 (2056354)	<1	1.47	24	29	6.40	1460	<0.5	1.23	199	1150	4	60	0.08	<1
155481 (2056355)	<1	1.54	27	28	7.54	1220	<0.5	1.07	247	1360	5	65	0.08	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155482 (2056356)	<1	0.78	9	15	3.63	1530	<0.5	1.74	64.1	326	<1	30	0.03	<1
155483 (2056357)	<1	0.59	10	14	3.63	1510	<0.5	2.12	60.9	378	<1	21	0.04	<1
155484 (2056358)	<1	0.35	9	12	3.61	1450	<0.5	2.47	63.4	326	<1	14	0.03	<1
155485 (2056359)	<1	0.56	7	19	3.99	1560	<0.5	2.38	68.5	245	<1	21	0.03	<1
155486 (2056360)	<1	0.41	6	18	3.90	1490	<0.5	2.38	69.2	223	<1	15	0.03	<1
155487 (2056361)	<1	0.24	11	13	3.65	1390	<0.5	2.51	66.8	414	<1	10	0.04	<1
155488 (2056362)	<1	0.53	7	19	3.93	1460	<0.5	2.69	71.9	250	<1	19	0.02	<1
155489 (2056363)	<1	0.79	10	21	3.93	1510	<0.5	2.47	68.6	407	1	30	0.03	<1

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155418 (2056292)	44	<10	<5	223	<10	<10	<5	0.33	<5	<5	232	<1	14	76.5
155419 (2056293)	42	<10	<5	214	<10	<10	<5	0.33	<5	<5	216	<1	12	75.5
155420 (2056294)	40	<10	<5	208	<10	<10	<5	0.32	<5	<5	222	<1	13	83.7
155421 (2056295)	42	<10	<5	212	<10	<10	<5	0.33	<5	<5	243	<1	13	83.5
155422 (2056296)	41	<10	<5	220	<10	<10	<5	0.27	<5	<5	204	<1	13	74.7
155423 (2056297)	43	<10	<5	228	<10	<10	<5	0.31	<5	<5	224	<1	13	84.8
155424 (2056298)	45	<10	<5	223	<10	<10	<5	0.34	<5	<5	237	<1	15	91.0
155425 (2056299)	42	<10	<5	230	<10	<10	<5	0.34	<5	<5	238	<1	15	84.3
155426 (2056300)	44	<10	<5	218	<10	<10	<5	0.33	<5	<5	237	<1	14	82.9
155427 (2056301)	40	<10	<5	189	<10	<10	<5	0.35	<5	<5	257	<1	14	83.4
155428 (2056302)	41	<10	<5	213	<10	<10	<5	0.35	<5	<5	225	<1	15	78.1
155429 (2056303)	43	<10	<5	215	<10	<10	<5	0.38	<5	<5	244	<1	15	81.5
155430 (2056304)	13	<10	<5	291	<10	<10	<5	0.60	<5	<5	114	<1	12	118
155431 (2056305)	45	<10	<5	199	<10	<10	<5	0.47	<5	<5	405	<1	14	83.8
155432 (2056306)	44	<10	<5	199	<10	<10	<5	0.70	<5	<5	526	<1	15	85.6
155433 (2056307)	45	<10	<5	208	<10	<10	<5	0.47	<5	<5	428	<1	14	83.6
155434 (2056308)	44	<10	<5	219	<10	<10	<5	0.51	<5	<5	450	<1	13	83.1
155435 (2056309)	45	<10	<5	205	<10	<10	<5	0.61	<5	<5	514	<1	15	90.9
155436 (2056310)	43	<10	<5	148	<10	<10	<5	0.52	<5	<5	484	<1	13	90.6
155437 (2056311)	46	<10	<5	204	<10	<10	<5	0.45	<5	<5	447	<1	14	83.2
155438 (2056312)	45	<10	<5	207	<10	<10	<5	0.50	<5	<5	474	<1	15	88.2
155439 (2056313)	45	<10	<5	204	<10	<10	<5	0.55	<5	<5	465	<1	15	89.5
155440 (2056314)	<1	<10	<5	138	<10	<10	<5	<0.01	<5	<5	4.3	<1	<1	22.1
155441 (2056315)	44	<10	<5	201	<10	<10	<5	0.52	<5	<5	415	<1	15	89.6
155442 (2056316)	38	<10	<5	261	<10	<10	<5	0.60	<5	<5	474	<1	12	84.9
155443 (2056317)	41	<10	<5	253	<10	<10	<5	0.58	<5	<5	455	<1	12	82.4
155444 (2056318)	46	<10	<5	215	<10	<10	<5	0.65	<5	<5	457	<1	15	93.6
155445 (2056319)	45	<10	<5	207	<10	<10	<5	0.64	<5	<5	489	<1	14	92.8
155446 (2056320)	45	<10	<5	220	<10	<10	<5	0.59	<5	<5	407	<1	14	92.1
155447 (2056321)	46	<10	<5	207	<10	<10	<5	0.60	<5	<5	430	<1	15	93.7
155448 (2056322)	46	<10	<5	220	<10	<10	<5	0.71	<5	<5	511	<1	15	102
155449 (2056323)	41	<10	<5	223	<10	<10	<5	0.71	<5	<5	418	<1	21	100

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AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155450 (2056324)	41	<10	<5	222	<10	<10	<5	0.76	<5	<5	385	<1	22	101
155451 (2056325)	44	<10	<5	199	<10	<10	<5	0.67	<5	<5	411	<1	16	109
155452 (2056326)	45	<10	<5	185	<10	<10	<5	0.88	<5	<5	520	<1	18	113
155453 (2056327)	43	<10	<5	131	<10	<10	<5	0.74	<5	<5	442	<1	18	111
155454 (2056328)	46	<10	<5	209	<10	<10	<5	0.71	<5	<5	464	<1	18	106
155455 (2056329)	44	<10	<5	199	<10	<10	<5	0.82	<5	<5	477	<1	18	97.2
155456 (2056330)	42	<10	<5	216	<10	<10	<5	0.40	<5	<5	215	<1	18	90.3
155457 (2056331)	44	<10	<5	237	<10	<10	<5	0.55	<5	<5	352	<1	16	87.5
155458 (2056332)	44	<10	<5	219	<10	<10	<5	0.50	<5	<5	317	<1	16	80.8
155459 (2056333)	44	<10	<5	241	<10	<10	<5	0.38	<5	<5	261	<1	14	78.5
155460 (2056334)	43	<10	<5	231	<10	<10	<5	0.54	<5	<5	319	<1	15	80.3
155461 (2056335)	42	<10	<5	226	<10	<10	<5	0.57	<5	<5	303	<1	21	81.0
155462 (2056336)	45	<10	<5	215	<10	<10	<5	0.69	<5	<5	429	<1	18	84.4
155463 (2056337)	45	<10	<5	213	<10	<10	<5	0.60	<5	<5	417	<1	15	86.3
155464 (2056338)	43	<10	<5	249	<10	<10	<5	0.80	<5	<5	482	<1	15	91.4
155465 (2056339)	43	<10	<5	179	<10	<10	<5	0.55	<5	<5	360	<1	17	88.6
155466 (2056340)	45	<10	<5	219	<10	<10	<5	0.40	<5	<5	300	<1	14	83.5
155467 (2056341)	45	<10	<5	216	<10	<10	<5	0.50	<5	<5	357	<1	15	85.1
155468 (2056342)	43	<10	<5	208	<10	<10	<5	0.44	<5	<5	325	<1	15	82.7
155469 (2056343)	41	<10	<5	237	<10	<10	<5	0.47	<5	<5	274	<1	16	228
155470 (2056344)	<1	<10	<5	156	<10	<10	<5	<0.01	<5	<5	3.4	5	<1	8.5
155471 (2056345)	43	<10	<5	263	<10	<10	<5	0.44	<5	<5	275	<1	16	83.7
155472 (2056346)	41	<10	<5	226	<10	<10	<5	0.41	<5	<5	236	<1	18	89.8
155473 (2056347)	40	<10	<5	183	<10	<10	<5	0.50	<5	<5	284	<1	18	80.0
155474 (2056348)	43	<10	<5	219	<10	<10	<5	0.36	<5	<5	264	<1	15	77.4
155475 (2056349)	42	<10	<5	222	<10	<10	<5	0.40	<5	<5	287	<1	14	77.6
155476 (2056350)	43	<10	<5	253	<10	<10	<5	0.43	<5	<5	317	<1	14	79.8
155477 (2056351)	42	<10	<5	222	<10	<10	<5	0.45	<5	<5	327	<1	14	78.8
155478 (2056352)	42	<10	<5	192	<10	<10	<5	0.44	<5	<5	350	<1	14	84.0
155479 (2056353)	40	<10	<5	374	<10	<10	<5	0.66	<5	<5	386	<1	15	83.1
155480 (2056354)	36	<10	<5	478	<10	<10	<5	0.58	<5	<5	275	<1	13	86.5
155481 (2056355)	33	<10	<5	421	<10	<10	<5	0.69	<5	<5	237	<1	14	64.8

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155482 (2056356)	43	<10	<5	217	<10	<10	<5	0.47	<5	<5	347	<1	17	85.8
155483 (2056357)	43	<10	<5	204	<10	<10	<5	0.58	<5	<5	365	<1	18	81.4
155484 (2056358)	40	<10	<5	193	<10	<10	<5	0.65	<5	<5	439	<1	16	74.9
155485 (2056359)	45	<10	<5	227	<10	<10	<5	0.42	<5	<5	307	<1	14	88.8
155486 (2056360)	42	<10	<5	167	<10	<10	<5	0.60	<5	<5	391	<1	13	91.3
155487 (2056361)	43	<10	<5	185	<10	<10	<5	0.60	<5	<5	362	<1	18	80.4
155488 (2056362)	42	<10	<5	173	<10	<10	<5	0.37	<5	<5	264	<1	14	92.0
155489 (2056363)	42	<10	<5	170	<10	<10	<5	0.52	<5	<5	296	<1	16	106

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155418 (2056292)	36
155419 (2056293)	34
155420 (2056294)	32
155421 (2056295)	30
155422 (2056296)	39
155423 (2056297)	35
155424 (2056298)	37
155425 (2056299)	37
155426 (2056300)	38
155427 (2056301)	38
155428 (2056302)	41
155429 (2056303)	41
155430 (2056304)	53
155431 (2056305)	36
155432 (2056306)	48
155433 (2056307)	37
155434 (2056308)	33
155435 (2056309)	40
155436 (2056310)	36
155437 (2056311)	36
155438 (2056312)	41
155439 (2056313)	34
155440 (2056314)	<5
155441 (2056315)	38
155442 (2056316)	28
155443 (2056317)	35
155444 (2056318)	42
155445 (2056319)	34
155446 (2056320)	36
155447 (2056321)	39
155448 (2056322)	35
155449 (2056323)	63

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155450 (2056324)	77
155451 (2056325)	42
155452 (2056326)	53
155453 (2056327)	45
155454 (2056328)	50
155455 (2056329)	50
155456 (2056330)	59
155457 (2056331)	40
155458 (2056332)	42
155459 (2056333)	33
155460 (2056334)	40
155461 (2056335)	64
155462 (2056336)	50
155463 (2056337)	35
155464 (2056338)	49
155465 (2056339)	53
155466 (2056340)	32
155467 (2056341)	37
155468 (2056342)	41
155469 (2056343)	50
155470 (2056344)	<5
155471 (2056345)	46
155472 (2056346)	49
155473 (2056347)	66
155474 (2056348)	39
155475 (2056349)	41
155476 (2056350)	38
155477 (2056351)	33
155478 (2056352)	39
155479 (2056353)	67
155480 (2056354)	75
155481 (2056355)	98

Certified By:

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AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155482 (2056356)	43
155483 (2056357)	50
155484 (2056358)	50
155485 (2056359)	38
155486 (2056360)	35
155487 (2056361)	57
155488 (2056362)	32
155489 (2056363)	47

Comments: RDL - Reported Detection Limit

2056292-2056363 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155418 (2056292)	5	13	19
155419 (2056293)	4	10	7
155420 (2056294)	3	8	<5
155421 (2056295)	3	9	13
155422 (2056296)	3	7	16
155423 (2056297)	2	9	14
155424 (2056298)	3	11	17
155425 (2056299)	4	8	7
155426 (2056300)	2	10	16
155427 (2056301)	1	13	20
155428 (2056302)	3	10	18
155429 (2056303)	3	11	16
155430 (2056304)	184	1410	752
155431 (2056305)	3	30	52
155432 (2056306)	8	95	128
155433 (2056307)	4	138	141
155434 (2056308)	23	143	157
155435 (2056309)	53	101	101
155436 (2056310)	8	28	54
155437 (2056311)	11	26	33
155438 (2056312)	9	27	29
155439 (2056313)	6	20	32
155440 (2056314)	<1	<1	5
155441 (2056315)	7	25	28
155442 (2056316)	6	30	44
155443 (2056317)	6	28	21
155444 (2056318)	8	24	29
155445 (2056319)	16	28	34
155446 (2056320)	6	28	29
155447 (2056321)	6	41	31
155448 (2056322)	8	42	46
155449 (2056323)	7	46	47

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155450 (2056324)	6	41	35
155451 (2056325)	8	61	52
155452 (2056326)	10	36	36
155453 (2056327)	5	43	44
155454 (2056328)	12	46	57
155455 (2056329)	14	32	45
155456 (2056330)	4	16	16
155457 (2056331)	7	20	25
155458 (2056332)	5	21	14
155459 (2056333)	3	22	20
155460 (2056334)	5	22	14
155461 (2056335)	4	23	23
155462 (2056336)	8	32	23
155463 (2056337)	7	32	28
155464 (2056338)	10	66	54
155465 (2056339)	6	51	53
155466 (2056340)	9	29	57
155467 (2056341)	9	24	26
155468 (2056342)	5	16	19
155469 (2056343)	4	19	17
155470 (2056344)	<1	<1	<5
155471 (2056345)	4	18	15
155472 (2056346)	4	19	20
155473 (2056347)	4	19	22
155474 (2056348)	4	34	28
155475 (2056349)	7	28	31
155476 (2056350)	7	52	59
155477 (2056351)	8	29	48
155478 (2056352)	7	24	24
155479 (2056353)	9	25	26
155480 (2056354)	7	21	26
155481 (2056355)	9	21	18

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155482 (2056356)	10	43	47
155483 (2056357)	10	27	33
155484 (2056358)	9	72	139
155485 (2056359)	748	28	36
155486 (2056360)	6	39	40
155487 (2056361)	5	42	35
155488 (2056362)	3430	10	19
155489 (2056363)	49	10	21

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155418 (2056292)	81.28
155437 (2056311)	80.5
155457 (2056331)	78.78
155477 (2056351)	79.4

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories
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Certificate of Analysis

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155418 (2056292)	86.36
155436 (2056310)	89.13
155455 (2056329)	87.84
155473 (2056347)	87.29

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2056292	< 0.5	< 0.5	0.0%	2056306	< 0.5	< 0.5	0.0%	2056317	< 0.5	< 0.5	0.0%	2056331	< 0.5	< 0.5	0.0%
Al	2056292	8.02	8.23	2.6%	2056306	7.73	7.56	2.2%	2056317	8.85	8.87	0.2%	2056331	7.94	8.01	0.9%
As	2056292	< 1	< 1	0.0%	2056306	< 1	< 1	0.0%	2056317	< 1	< 1	0.0%	2056331	< 1	< 1	0.0%
Ba	2056292	186	182	2.2%	2056306	224	223	0.4%	2056317	275	275	0.0%	2056331	349	358	2.5%
Be	2056292	< 0.5	< 0.5	0.0%	2056306	< 0.5	< 0.5	0.0%	2056317	< 0.5	< 0.5	0.0%	2056331	< 0.5	< 0.5	0.0%
Bi	2056292	< 1	< 1	0.0%	2056306	< 1	< 1	0.0%	2056317	< 1	< 1	0.0%	2056331	< 1	< 1	0.0%
Ca	2056292	7.32	7.26	0.8%	2056306	7.20	7.06	2.0%	2056317	7.25	7.29	0.6%	2056331	6.80	6.90	1.5%
Cd	2056292	< 0.5	< 0.5	0.0%	2056306	< 0.5	< 0.5	0.0%	2056317	< 0.5	< 0.5	0.0%	2056331	< 0.5	< 0.5	0.0%
Ce	2056292	18	18	0.0%	2056306	19	19	0.0%	2056317	14	14	0.0%	2056331	19	20	5.1%
Co	2056292	48.2	47.0	2.5%	2056306	52.6	54.1	2.8%	2056317	48.6	49.6	2.0%	2056331	49.9	48.9	2.0%
Cr	2056292	60.3	59.9	0.7%	2056306	36.1	37.7	4.3%	2056317	33.0	28.7	13.9%	2056331	35.2	36.6	3.9%
Cu	2056292	85.1	84.4	0.8%	2056306	150	147	2.0%	2056317	207	193	7.0%	2056331	163	156	4.4%
Fe	2056292	7.46	7.35	1.5%	2056306	9.19	8.99	2.2%	2056317	8.55	8.63	0.9%	2056331	8.55	8.66	1.3%
Ga	2056292	15	17	12.5%	2056306	18	19	5.4%	2056317	18	22	20.0%	2056331	20	19	5.1%
In	2056292	< 1	< 1	0.0%	2056306	< 1	< 1	0.0%	2056317	< 1	< 1	0.0%	2056331	< 1	< 1	0.0%
K	2056292	0.563	0.577	2.5%	2056306	0.687	0.678	1.3%	2056317	0.70	0.70	0.0%	2056331	0.984	1.00	1.6%
La	2056292	7	7	0.0%	2056306	7	8	13.3%	2056317	5	5	0.0%	2056331	8	8	0.0%
Li	2056292	15	16	6.5%	2056306	19	19	0.0%	2056317	17	17	0.0%	2056331	20	20	0.0%
Mg	2056292	4.02	4.15	3.2%	2056306	4.10	3.99	2.7%	2056317	3.30	3.36	1.8%	2056331	4.09	4.10	0.2%
Mn	2056292	1390	1420	2.1%	2056306	1510	1470	2.7%	2056317	1390	1400	0.7%	2056331	1480	1480	0.0%
Mo	2056292	2.7	2.2	20.4%	2056306	< 0.5	< 0.5	0.0%	2056317	< 0.5	< 0.5	0.0%	2056331	< 0.5	< 0.5	0.0%
Na	2056292	1.59	1.57	1.3%	2056306	1.55	1.54	0.6%	2056317	1.92	1.94	1.0%	2056331	1.60	1.64	2.5%
Ni	2056292	73.6	72.7	1.2%	2056306	73.1	73.8	1.0%	2056317	55.4	55.9	0.9%	2056331	70.4	70.3	0.1%
P	2056292	260	255	1.9%	2056306	265	275	3.7%	2056317	194	202	4.0%	2056331	281	280	0.4%
Pb	2056292	< 1	2		2056306	1	< 1		2056317	< 1	< 1	0.0%	2056331	< 1	< 1	0.0%
Rb	2056292	24	24	0.0%	2056306	26	28	7.4%	2056317	28	28	0.0%	2056331	37	37	0.0%
S	2056292	0.025	0.028	11.3%	2056306	0.04	0.04	0.0%	2056317	0.04	0.04	0.0%	2056331	0.04	0.04	0.0%
Sb	2056292	< 1	< 1	0.0%	2056306	< 1	< 1	0.0%	2056317	< 1	< 1	0.0%	2056331	< 1	< 1	0.0%
Sc	2056292	44	43	2.3%	2056306	44	45	2.2%	2056317	41	42	2.4%	2056331	44	44	0.0%
Se	2056292	< 10	< 10	0.0%	2056306	< 10	< 10	0.0%	2056317	< 10	< 10	0.0%	2056331	< 10	< 10	0.0%
Sn	2056292	< 5	< 5	0.0%	2056306	< 5	< 5	0.0%	2056317	< 5	< 5	0.0%	2056331	< 5	< 5	0.0%

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2056292	223	220	1.4%	2056306	199	197	1.0%	2056317	253	254	0.4%	2056331	237	242	2.1%
Ta	2056292	< 10	< 10	0.0%	2056306	< 10	< 10	0.0%	2056317	< 10	< 10	0.0%	2056331	< 10	< 10	0.0%
Te	2056292	< 10	< 10	0.0%	2056306	< 10	< 10	0.0%	2056317	< 10	< 10	0.0%	2056331	< 10	< 10	0.0%
Th	2056292	< 5	< 5	0.0%	2056306	< 5	< 5	0.0%	2056317	< 5	< 5	0.0%	2056331	< 5	< 5	0.0%
Ti	2056292	0.334	0.335	0.3%	2056306	0.70	0.69	1.4%	2056317	0.575	0.567	1.4%	2056331	0.55	0.56	1.8%
Tl	2056292	< 5	< 5	0.0%	2056306	< 5	< 5	0.0%	2056317	< 5	< 5	0.0%	2056331	< 5	< 5	0.0%
U	2056292	< 5	< 5	0.0%	2056306	< 5	< 5	0.0%	2056317	< 5	< 5	0.0%	2056331	< 5	< 5	0.0%
V	2056292	232	224	3.5%	2056306	526	541	2.8%	2056317	455	441	3.1%	2056331	352	351	0.3%
W	2056292	< 1	< 1	0.0%	2056306	< 1	< 1	0.0%	2056317	< 1	< 1	0.0%	2056331	< 1	< 1	0.0%
Y	2056292	14	13	7.4%	2056306	15	16	6.5%	2056317	12	12	0.0%	2056331	16	16	0.0%
Zn	2056292	76.5	76.4	0.1%	2056306	85.6	83.4	2.6%	2056317	82.4	83.4	1.2%	2056331	87.5	88.5	1.1%
Zr	2056292	36	36	0.0%	2056306	48	43	11.0%	2056317	35	33	5.9%	2056331	40	38	5.1%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2056342	< 0.5	< 0.5	0.0%	2056356	< 0.5	< 0.5	0.0%								
Al	2056342	7.80	8.12	4.0%	2056356	7.76	7.87	1.4%								
As	2056342	< 1	< 1	0.0%	2056356	< 1	< 1	0.0%								
Ba	2056342	249	253	1.6%	2056356	272	280	2.9%								
Be	2056342	< 0.5	< 0.5	0.0%	2056356	< 0.5	< 0.5	0.0%								
Bi	2056342	< 1	< 1	0.0%	2056356	< 1	< 1	0.0%								
Ca	2056342	7.20	7.47	3.7%	2056356	6.88	6.97	1.3%								
Cd	2056342	< 0.5	< 0.5	0.0%	2056356	< 0.5	< 0.5	0.0%								
Ce	2056342	18	18	0.0%	2056356	23	22	4.4%								
Co	2056342	50.1	49.3	1.6%	2056356	49.2	48.6	1.2%								
Cr	2056342	26.8	32.6	19.5%	2056356	41.0	40.0	2.5%								
Cu	2056342	125	126	0.8%	2056356	117	120	2.5%								
Fe	2056342	8.19	8.46	3.2%	2056356	8.32	8.41	1.1%								
Ga	2056342	20	18	10.5%	2056356	22	19	14.6%								
In	2056342	< 1	< 1	0.0%	2056356	< 1	< 1	0.0%								
K	2056342	0.74	0.76	2.7%	2056356	0.78	0.79	1.3%								
La	2056342	7	7	0.0%	2056356	9	9	0.0%								
Li	2056342	12	12	0.0%	2056356	15	15	0.0%								
Mg	2056342	3.79	4.02	5.9%	2056356	3.63	3.66	0.8%								
Mn	2056342	1410	1490	5.5%	2056356	1530	1540	0.7%								

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2056342	< 0.5	< 0.5	0.0%	2056356	< 0.5	< 0.5	0.0%								
Na	2056342	1.58	1.63	3.1%	2056356	1.74	1.77	1.7%								
Ni	2056342	66.2	65.3	1.4%	2056356	64.1	63.4	1.1%								
P	2056342	257	261	1.5%	2056356	326	329	0.9%								
Pb	2056342	< 1	< 1	0.0%	2056356	< 1	< 1	0.0%								
Rb	2056342	30	29	3.4%	2056356	30	30	0.0%								
S	2056342	0.056	0.054	3.6%	2056356	0.03	0.03	0.0%								
Sb	2056342	< 1	< 1	0.0%	2056356	< 1	< 1	0.0%								
Sc	2056342	43	43	0.0%	2056356	43	42	2.4%								
Se	2056342	< 10	< 10	0.0%	2056356	< 10	< 10	0.0%								
Sn	2056342	< 5	< 5	0.0%	2056356	< 5	< 5	0.0%								
Sr	2056342	208	215	3.3%	2056356	217	220	1.4%								
Ta	2056342	< 10	< 10	0.0%	2056356	< 10	< 10	0.0%								
Te	2056342	< 10	< 10	0.0%	2056356	< 10	< 10	0.0%								
Th	2056342	< 5	< 5	0.0%	2056356	< 5	< 5	0.0%								
Ti	2056342	0.444	0.470	5.7%	2056356	0.474	0.484	2.1%								
Tl	2056342	< 5	< 5	0.0%	2056356	< 5	< 5	0.0%								
U	2056342	< 5	< 5	0.0%	2056356	< 5	< 5	0.0%								
V	2056342	325	319	1.9%	2056356	347	338	2.6%								
W	2056342	< 1	< 1	0.0%	2056356	< 1	< 1	0.0%								
Y	2056342	15	15	0.0%	2056356	17	16	6.1%								
Zn	2056342	82.7	85.5	3.3%	2056356	85.8	85.2	0.7%								
Zr	2056342	41	36	13.0%	2056356	43	46	6.7%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2056292	5	5	0.0%	2056306	8	8	0.0%	2056317	6	6	0.0%	2056331	7	7	0.0%
Pd	2056292	13	14	7.4%	2056306	95	94	1.1%	2056317	28	27	3.6%	2056331	20	23	14.0%
Pt	2056292	19	14		2056306	128	129	0.8%	2056317	21	31		2056331	25	26	3.9%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2056342	5	9		2056356	10	11	9.5%								
Pd	2056342	16	17	6.1%	2056356	43	44	2.3%								
Pt	2056342	19	19	0.0%	2056356	47	47	0.0%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.27	108%	90% - 110%				
Al	8.47	8.62	102%	90% - 110%	6.96	7.18	103%	90% - 110%	4.75	5.1	107%	90% - 110%	8.47	8.59	101%	90% - 110%
As	26	25	96%	90% - 110%	124	127	102%	90% - 110%					26	25	96%	90% - 110%
Ba	540	532	98%	90% - 110%	186	187	100%	90% - 110%	216	229	106%	90% - 110%	540	534	99%	90% - 110%
Be	4.0	3.3	83%	90% - 110%									4.0	3.3	82%	90% - 110%
Ca	0.907	0.918	101%	90% - 110%	4.01	3.92	98%	90% - 110%	10	10	96%	90% - 110%	0.907	0.908	100%	90% - 110%
Ce	98	104	106%	90% - 110%	24	25	102%	90% - 110%					98	106	109%	90% - 110%
Co	13	12	91%	90% - 110%	22.1	21.7	98%	90% - 110%	191	177	92%	90% - 110%	13	13	99%	90% - 110%
Cr	60.3	62.6	104%	90% - 110%					670	651	97%	90% - 110%	60.3	55.5	92%	90% - 110%
Cu	150	156	104%	90% - 110%	88.6	85	96%	90% - 110%	7120	7454	105%	90% - 110%	150	154	102%	90% - 110%
Fe	3.77	3.66	97%	90% - 110%	7.56	7.13	94%	90% - 110%	12.71	11.86	93%	90% - 110%	3.77	3.66	97%	90% - 110%
K					2.021	2.13	105%	90% - 110%	0.1021	0.1109	109%	90% - 110%				
La	44	45	102%	90% - 110%									44	47	106%	90% - 110%
Li	47	48	103%	90% - 110%									47	49	103%	90% - 110%
Mg	1.10	1.1	100%	90% - 110%	2.412	2.428	101%	90% - 110%	7.41	7.38	100%	90% - 110%	1.10	1.1	100%	90% - 110%
Mn	780	782	100%	90% - 110%	1510	1477	98%	90% - 110%					780	774	99%	90% - 110%
Mo	14	13	92%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.664	102%	90% - 110%	0.617	0.621	101%	90% - 110%	0.112	0.12	107%	90% - 110%	1.624	1.679	103%	90% - 110%
Ni	32	31	97%	90% - 110%	77.1	71.4	93%	90% - 110%	2480	2304	92%	90% - 110%	32	32	99%	90% - 110%
P	750	720	96%	90% - 110%	892	888	100%	90% - 110%	731	711	97%	90% - 110%	750	750	100%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	152	106%	90% - 110%									143	155	108%	90% - 110%
S					0.348	0.338	97%	90% - 110%								
Sc	12	13	105%	90% - 110%					21.33	22.22	104%	90% - 110%	12	13	107%	90% - 110%
Sr	144	152	105%	90% - 110%	92.8	90	97%	90% - 110%	39	39	99%	90% - 110%	144	152	106%	90% - 110%
Ti	0.53	0.49	93%	90% - 110%					0.419	0.42	100%	90% - 110%	0.53	0.49	92%	90% - 110%
V	77	78	101%	90% - 110%					158	162	103%	90% - 110%	77	81	105%	90% - 110%
W	5	4	87%	90% - 110%									5	4	74%	90% - 110%
Y									12.67	12.93	102%	90% - 110%				
Zn	130	127	98%	90% - 110%	208	205	99%	90% - 110%	112	110	98%	90% - 110%	130	124	95%	90% - 110%
Zr									35.7	36.3	102%	90% - 110%				

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AGAT WORK ORDER: 21T707848

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	2048	107%	90% - 110%	1897	2060	108%	90% - 110%	1897	2017	106%	90% - 110%	1897	2033	107%	90% - 110%
Pd	1660	1813	109%	90% - 110%	1660	1775	106%	90% - 110%	1660	1792	107%	90% - 110%	1660	1698	102%	90% - 110%
Pt	223	236	105%	90% - 110%	223	227	101%	90% - 110%	223	234	105%	90% - 110%	223	218	97%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T707848

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T707884

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Mar 03, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155490 (2056538)	0.11
155491 (2056539)	2.53
155492 (2056540)	2.42
155493 (2056541)	2.32
155494 (2056542)	2.43
155495 (2056543)	2.38
155496 (2056544)	2.55
155497 (2056545)	2.48
155498 (2056546)	2.64
155499 (2056547)	2.35
155500 (2056548)	0.80
155501 (2056549)	2.47
155502 (2056550)	2.53
155503 (2056551)	2.52
155504 (2056552)	2.44
155505 (2056553)	2.34
155506 (2056554)	2.45
155507 (2056555)	2.53
155508 (2056556)	2.59
155509 (2056557)	1.19
155510 (2056558)	1.06
155511 (2056559)	2.49
155512 (2056560)	2.43
155513 (2056561)	2.62
155514 (2056562)	2.56
155515 (2056563)	2.51
155516 (2056564)	2.36
155517 (2056565)	2.46
155518 (2056566)	2.51
155519 (2056567)	2.51
155520 (2056568)	0.11

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155521 (2056569)	2.49
155522 (2056570)	2.51
155523 (2056571)	2.45
155524 (2056572)	2.28
155525 (2056573)	2.40
155526 (2056574)	2.53
155527 (2056575)	2.57
155528 (2056576)	2.57
155529 (2056577)	2.53
155530 (2056578)	0.77
155531 (2056579)	2.37
155532 (2056580)	2.40
155533 (2056581)	2.54
155534 (2056582)	2.56
155535 (2056583)	2.57
155536 (2056584)	2.47
155537 (2056585)	2.41
155538 (2056586)	2.47
155539 (2056587)	1.24
155540 (2056588)	1.15
155541 (2056589)	2.66
155542 (2056590)	2.48
155543 (2056591)	2.61
155544 (2056592)	2.45
155545 (2056593)	2.24
155546 (2056594)	2.15
155547 (2056595)	2.36
155548 (2056596)	2.40
155549 (2056597)	2.45
155550 (2056598)	0.11
155551 (2056599)	2.43

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155552 (2056600)	2.43
155553 (2056601)	2.35
155554 (2056602)	2.46
155555 (2056603)	2.29
155556 (2056604)	2.51
155557 (2056605)	2.42
155558 (2056606)	2.45
155559 (2056607)	2.46
155560 (2056608)	0.85
155561 (2056609)	2.40

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155490 (2056538)	3.2	6.74	<1	276	0.6	<1	4.21	1.1	26	167	236	6720	14.1	<5
155491 (2056539)	<0.5	7.24	<1	204	<0.5	<1	6.15	<0.5	21	50.5	50.9	163	9.82	15
155492 (2056540)	<0.5	6.76	<1	57	<0.5	<1	6.87	<0.5	16	33.7	63.7	40.2	8.03	15
155493 (2056541)	<0.5	7.66	<1	306	<0.5	<1	4.32	<0.5	17	59.2	67.2	105	10.5	13
155494 (2056542)	<0.5	7.41	<1	313	<0.5	<1	6.04	<0.5	25	45.7	63.5	147	8.40	15
155495 (2056543)	<0.5	7.82	<1	667	<0.5	<1	5.75	<0.5	20	43.6	62.8	36.4	8.84	16
155496 (2056544)	<0.5	7.85	<1	296	<0.5	<1	6.34	<0.5	18	39.7	59.3	58.2	8.21	17
155497 (2056545)	<0.5	7.63	<1	193	<0.5	<1	5.75	<0.5	19	44.4	61.1	90.4	8.34	18
155498 (2056546)	<0.5	7.58	<1	192	<0.5	<1	6.03	<0.5	20	44.8	55.1	123	8.49	17
155499 (2056547)	<0.5	7.85	<1	193	<0.5	<1	5.50	<0.5	21	49.3	55.0	121	8.88	16
155500 (2056548)	<0.5	0.04	<1	993	<0.5	<1	17.6	<0.5	<1	<0.5	11.4	<0.5	0.07	<5
155501 (2056549)	<0.5	7.63	<1	273	<0.5	<1	5.27	<0.5	21	49.6	66.3	99.2	8.82	14
155502 (2056550)	<0.5	7.35	<1	188	<0.5	<1	5.89	<0.5	20	44.7	53.6	125	8.65	14
155503 (2056551)	<0.5	7.54	<1	200	<0.5	<1	5.94	<0.5	20	47.7	60.6	96.8	9.00	17
155504 (2056552)	<0.5	7.80	<1	239	<0.5	<1	5.70	<0.5	18	51.7	55.3	79.7	9.84	15
155505 (2056553)	<0.5	6.90	<1	145	<0.5	<1	5.68	<0.5	18	45.1	62.7	124	8.75	17
155506 (2056554)	<0.5	7.62	<1	212	<0.5	<1	6.08	<0.5	22	47.5	54.3	127	9.72	18
155507 (2056555)	<0.5	7.14	<1	141	<0.5	<1	5.42	<0.5	20	46.5	57.0	107	9.21	16
155508 (2056556)	<0.5	6.96	<1	156	<0.5	<1	4.91	<0.5	19	44.2	52.3	83.5	8.75	15
155509 (2056557)	<0.5	7.48	2	182	<0.5	<1	6.12	<0.5	21	47.7	61.0	171	9.74	18
155510 (2056558)	<0.5	7.45	3	189	<0.5	<1	6.17	<0.5	21	49.5	52.2	186	9.73	19
155511 (2056559)	<0.5	7.43	2	181	<0.5	<1	6.10	<0.5	23	47.0	57.5	193	9.45	18
155512 (2056560)	<0.5	7.38	<1	111	<0.5	<1	6.70	<0.5	22	44.4	50.7	149	9.28	16
155513 (2056561)	<0.5	7.44	<1	210	<0.5	<1	6.02	<0.5	22	48.2	61.0	298	9.63	16
155514 (2056562)	<0.5	7.68	<1	263	<0.5	<1	5.95	<0.5	27	47.4	43.0	125	9.54	18
155515 (2056563)	<0.5	7.60	<1	186	<0.5	<1	5.82	<0.5	23	45.7	57.6	167	9.17	16
155516 (2056564)	<0.5	7.83	<1	151	<0.5	<1	5.92	<0.5	23	44.3	55.3	114	9.25	16
155517 (2056565)	<0.5	7.73	<1	164	<0.5	<1	5.94	<0.5	23	46.9	56.2	149	9.47	16
155518 (2056566)	<0.5	7.74	<1	162	<0.5	<1	5.84	<0.5	22	44.2	60.0	134	9.05	18
155519 (2056567)	0.8	7.39	<1	160	<0.5	<1	5.81	<0.5	24	42.7	52.1	113	8.87	16
155520 (2056568)	3.3	6.79	1	272	0.6	<1	4.09	0.7	25	163	221	6920	14.5	<5
155521 (2056569)	<0.5	7.22	<1	131	<0.5	<1	5.73	<0.5	25	42.6	62.6	127	8.40	15

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Certificate of Analysis

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155522 (2056570)	<0.5	7.43	<1	109	<0.5	<1	7.34	<0.5	24	36.9	68.0	34.0	8.00	16
155523 (2056571)	<0.5	7.31	<1	120	<0.5	<1	5.96	<0.5	23	44.1	60.9	117	8.69	16
155524 (2056572)	<0.5	7.45	<1	87	<0.5	<1	6.18	<0.5	25	42.2	54.6	102	8.86	18
155525 (2056573)	<0.5	7.96	2	629	<0.5	<1	6.83	<0.5	25	44.8	67.7	89.5	9.48	18
155526 (2056574)	<0.5	7.63	<1	329	<0.5	<1	6.35	<0.5	24	42.3	69.9	96.4	8.21	16
155527 (2056575)	<0.5	7.34	<1	118	<0.5	<1	6.17	<0.5	24	42.9	71.1	109	8.65	15
155528 (2056576)	<0.5	7.84	<1	74	<0.5	<1	6.30	<0.5	26	45.4	80.5	186	9.07	19
155529 (2056577)	<0.5	8.17	<1	356	<0.5	<1	6.11	<0.5	22	41.4	71.5	89.5	8.48	15
155530 (2056578)	<0.5	0.03	2	1660	<0.5	<1	19.5	<0.5	<1	<0.5	7.9	<0.5	0.05	<5
155531 (2056579)	<0.5	8.06	<1	666	<0.5	<1	6.33	<0.5	21	41.1	74.0	73.9	8.03	15
155532 (2056580)	<0.5	7.38	<1	396	<0.5	<1	6.99	<0.5	33	29.2	69.4	43.3	7.02	15
155533 (2056581)	<0.5	6.98	<1	163	<0.5	<1	6.01	<0.5	35	49.2	66.3	242	8.32	16
155534 (2056582)	<0.5	7.33	<1	180	<0.5	<1	6.75	<0.5	29	42.6	71.2	144	8.66	16
155535 (2056583)	<0.5	7.44	<1	244	<0.5	<1	6.70	<0.5	15	43.3	127	60.2	7.75	13
155536 (2056584)	0.9	8.12	<1	204	<0.5	<1	7.30	<0.5	12	41.8	134	37.7	6.76	13
155537 (2056585)	<0.5	8.10	<1	232	<0.5	<1	7.54	<0.5	26	41.2	93.2	182	7.30	16
155538 (2056586)	<0.5	7.97	<1	76	<0.5	<1	7.04	<0.5	11	62.2	132	20.5	8.78	10
155539 (2056587)	<0.5	9.57	2	161	<0.5	<1	7.90	<0.5	8	63.5	170	27.6	7.59	16
155540 (2056588)	<0.5	9.22	<1	139	<0.5	<1	7.77	<0.5	7	60.0	148	33.9	7.37	11
155541 (2056589)	<0.5	5.32	<1	50	<0.5	2	5.62	<0.5	7	116	72.7	117	11.7	<5
155542 (2056590)	<0.5	6.96	8	118	<0.5	1	6.13	<0.5	5	97.5	55.9	284	9.92	7
155543 (2056591)	<0.5	9.73	2	291	<0.5	<1	6.85	<0.5	11	61.2	54.3	336	7.21	15
155544 (2056592)	<0.5	8.18	<1	742	1.8	<1	5.15	<0.5	29	35.6	81.6	99.1	7.65	14
155545 (2056593)	0.6	6.20	3	170	1.4	<1	1.38	<0.5	53	7.0	43.6	152	1.59	10
155546 (2056594)	<0.5	6.95	2	241	1.5	<1	2.03	0.9	85	11.0	69.8	137	3.21	15
155547 (2056595)	1.5	6.72	2	192	1.6	<1	2.42	2.6	84	23.1	55.8	305	4.71	16
155548 (2056596)	<0.5	6.85	<1	298	1.5	<1	5.49	<0.5	33	44.7	189	557	7.94	16
155549 (2056597)	0.6	6.51	<1	139	<0.5	<1	5.03	<0.5	13	63.7	271	1280	7.63	8
155550 (2056598)	3.4	6.98	<1	279	0.6	<1	4.23	<0.5	26	166	234	6940	14.6	<5
155551 (2056599)	<0.5	8.91	<1	175	<0.5	<1	5.79	<0.5	4	51.9	209	225	6.50	9
155552 (2056600)	<0.5	7.52	<1	140	<0.5	<1	5.54	<0.5	4	62.1	211	416	7.11	9
155553 (2056601)	0.8	7.36	<1	88	1.0	<1	3.44	<0.5	47	38.2	102	747	4.21	13

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155554 (2056602)	0.9	9.14	<1	179	<0.5	<1	5.93	0.8	4	66.0	157	1410	6.65	10
155555 (2056603)	<0.5	6.12	<1	87	<0.5	<1	5.66	<0.5	6	78.2	246	1250	8.16	<5
155556 (2056604)	0.6	4.93	<1	39	<0.5	<1	5.06	0.8	9	81.2	231	1170	8.82	<5
155557 (2056605)	<0.5	6.77	<1	105	<0.5	<1	5.01	<0.5	4	62.7	222	343	7.61	5
155558 (2056606)	<0.5	6.49	<1	104	<0.5	<1	5.21	<0.5	4	66.0	234	674	7.94	<5
155559 (2056607)	<0.5	7.78	<1	149	<0.5	<1	6.52	<0.5	8	52.3	216	234	6.63	10
155560 (2056608)	<0.5	0.05	<1	1060	<0.5	<1	19.3	<0.5	<1	<0.5	8.8	<0.5	0.05	<5
155561 (2056609)	<0.5	8.36	<1	157	<0.5	<1	6.68	<0.5	9	45.1	185	217	5.93	11

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155490 (2056538)	<1	0.66	10	13	3.86	1140	3.0	1.88	9960	615	48	19	2.79	<1
155491 (2056539)	<1	0.56	7	16	4.01	1620	<0.5	2.34	67.0	414	5	18	0.14	<1
155492 (2056540)	<1	0.15	5	6	3.10	1380	<0.5	2.78	40.7	299	4	<10	0.13	<1
155493 (2056541)	<1	0.80	6	26	4.18	1690	<0.5	2.25	81.9	309	5	26	0.10	<1
155494 (2056542)	<1	0.75	10	19	3.49	1460	<0.5	1.93	61.5	462	3	24	0.14	<1
155495 (2056543)	<1	1.69	8	23	3.74	1470	<0.5	1.96	62.7	341	3	54	0.10	<1
155496 (2056544)	<1	0.77	7	18	3.42	1360	<0.5	2.27	59.0	315	1	25	0.10	<1
155497 (2056545)	<1	0.50	7	16	3.65	1370	<0.5	2.93	65.6	345	2	15	0.10	<1
155498 (2056546)	<1	0.52	7	16	3.63	1400	<0.5	2.56	65.9	357	2	17	0.11	<1
155499 (2056547)	<1	0.55	8	19	3.88	1450	<0.5	2.84	70.8	384	2	18	0.10	<1
155500 (2056548)	<1	0.01	<2	13	12.5	375	<0.5	0.03	1.0	72	1	<10	0.29	<1
155501 (2056549)	<1	0.67	8	21	3.77	1460	<0.5	2.49	66.6	374	3	21	0.09	<1
155502 (2056550)	<1	0.53	7	17	3.54	1390	<0.5	2.51	60.5	357	2	17	0.11	<1
155503 (2056551)	<1	0.60	7	18	3.68	1440	<0.5	2.42	63.3	344	2	20	0.10	<1
155504 (2056552)	<1	0.71	7	22	3.96	1520	<0.5	2.65	68.0	328	2	25	0.09	<1
155505 (2056553)	<1	0.47	7	15	3.31	1320	<0.5	2.39	59.2	320	2	16	0.10	<1
155506 (2056554)	<1	0.66	8	17	3.44	1470	<0.5	2.43	63.3	401	4	24	0.11	<1
155507 (2056555)	<1	0.46	7	16	3.40	1390	<0.5	2.64	58.1	363	1	16	0.10	<1
155508 (2056556)	<1	0.55	7	18	3.33	1310	<0.5	2.59	55.7	345	2	18	0.09	<1
155509 (2056557)	<1	0.59	7	16	3.42	1470	<0.5	2.41	60.9	350	3	22	0.13	<1
155510 (2056558)	<1	0.60	8	16	3.44	1470	<0.5	2.41	61.0	359	3	23	0.14	<1
155511 (2056559)	<1	0.55	9	15	3.32	1440	<0.5	2.41	59.6	413	3	20	0.14	<1
155512 (2056560)	<1	0.35	8	14	3.35	1520	<0.5	2.53	55.1	378	2	11	0.14	<1
155513 (2056561)	<1	0.57	8	16	3.30	1490	<0.5	2.61	62.5	393	3	21	0.18	<1
155514 (2056562)	<1	0.87	10	17	3.51	1390	<0.5	2.78	60.6	513	3	33	0.12	<1
155515 (2056563)	<1	0.61	9	16	3.49	1410	<0.5	2.79	62.0	434	3	22	0.13	<1
155516 (2056564)	<1	0.50	8	15	3.51	1430	<0.5	3.01	59.3	396	1	17	0.12	<1
155517 (2056565)	<1	0.54	8	16	3.63	1470	<0.5	2.80	64.4	414	4	19	0.12	<1
155518 (2056566)	<1	0.52	8	16	3.41	1390	<0.5	2.72	58.1	390	2	17	0.11	<1
155519 (2056567)	<1	0.50	9	15	3.27	1350	<0.5	2.63	56.2	443	2	17	0.10	<1
155520 (2056568)	<1	0.66	10	13	3.90	1140	2.6	1.87	9870	597	47	18	2.69	<1
155521 (2056569)	<1	0.43	10	13	3.19	1330	<0.5	2.82	63.0	483	1	14	0.10	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155522 (2056570)	<1	0.32	10	14	3.18	1300	<0.5	2.06	61.5	404	3	<10	0.11	<1
155523 (2056571)	<1	0.34	9	18	3.71	1400	<0.5	2.61	67.0	417	2	10	0.10	<1
155524 (2056572)	<1	0.29	10	21	3.81	1330	<0.5	2.47	61.1	384	3	<10	0.11	<1
155525 (2056573)	<1	1.51	10	23	3.95	1570	<0.5	1.74	64.9	435	3	35	0.13	<1
155526 (2056574)	<1	0.75	9	19	3.45	1370	<0.5	1.78	68.8	439	3	28	0.12	<1
155527 (2056575)	<1	0.31	9	15	3.76	1410	<0.5	2.58	66.2	442	2	<10	0.12	<1
155528 (2056576)	<1	0.21	11	15	4.16	1420	<0.5	2.75	68.3	481	3	<10	0.12	<1
155529 (2056577)	<1	0.67	9	19	3.58	1370	<0.5	2.34	64.4	407	2	20	0.11	<1
155530 (2056578)	1	0.01	<2	6	12.7	408	<0.5	0.02	<0.5	35	<1	<10	0.33	<1
155531 (2056579)	<1	1.28	8	18	3.42	1370	<0.5	1.80	62.9	380	3	34	0.12	<1
155532 (2056580)	<1	0.97	14	9	2.71	1090	<0.5	2.04	44.3	531	4	20	0.12	<1
155533 (2056581)	<1	0.49	14	14	3.21	1320	<0.5	2.17	65.3	673	7	14	0.22	<1
155534 (2056582)	<1	0.53	12	16	3.51	1420	<0.5	1.82	56.4	529	4	17	0.16	<1
155535 (2056583)	<1	0.66	6	18	4.36	1420	<0.5	1.59	93.9	274	2	22	0.11	<1
155536 (2056584)	<1	0.64	5	18	4.32	1270	<0.5	1.59	101	207	1	21	0.11	<1
155537 (2056585)	<1	0.64	11	16	3.73	1240	<0.5	1.68	69.6	489	2	21	0.14	<1
155538 (2056586)	<1	0.25	4	28	5.81	1420	<0.5	1.02	218	200	3	<10	0.11	<1
155539 (2056587)	<1	0.46	4	25	5.79	1260	<0.5	1.25	244	145	3	14	0.11	<1
155540 (2056588)	<1	0.44	2	26	5.52	1230	<0.5	1.19	241	127	<1	14	0.12	<1
155541 (2056589)	<1	0.25	<2	38	9.37	1770	<0.5	0.10	485	132	7	<10	0.10	3
155542 (2056590)	<1	0.43	<2	36	8.39	1510	<0.5	0.53	529	109	5	15	0.13	4
155543 (2056591)	<1	1.00	3	29	4.71	1160	<0.5	1.28	272	215	<1	36	0.14	<1
155544 (2056592)	<1	1.31	11	28	3.86	1200	<0.5	1.88	103	413	12	45	0.10	<1
155545 (2056593)	<1	0.54	23	7	0.35	184	2.1	3.89	3.3	126	22	12	0.10	<1
155546 (2056594)	<1	0.92	36	14	0.81	376	1.5	3.72	3.0	585	42	30	0.11	<1
155547 (2056595)	<1	0.76	36	19	1.33	549	1.5	3.46	4.8	873	110	27	0.31	<1
155548 (2056596)	<1	1.53	13	23	4.04	1160	<0.5	1.57	169	443	14	78	0.27	<1
155549 (2056597)	<1	0.67	5	36	7.57	1500	<0.5	0.93	429	188	20	30	0.23	<1
155550 (2056598)	<1	0.68	10	13	3.95	1150	2.2	1.90	9470	616	50	20	2.71	<1
155551 (2056599)	<1	0.72	<2	38	6.80	1300	<0.5	1.28	223	65	5	32	0.12	3
155552 (2056600)	<1	0.55	<2	38	7.50	1490	<0.5	0.91	261	66	3	24	0.16	2
155553 (2056601)	<1	0.28	20	19	3.05	695	1.5	3.15	168	339	1	12	0.28	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155554 (2056602)	<1	0.67	<2	37	6.03	1230	<0.5	1.51	463	58	69	31	0.41	3
155555 (2056603)	<1	0.38	3	45	8.18	1770	<0.5	0.77	386	75	8	17	0.25	1
155556 (2056604)	<1	0.16	3	36	8.92	1890	<0.5	0.46	384	194	49	<10	0.24	1
155557 (2056605)	<1	0.47	<2	41	7.74	1610	<0.5	0.83	210	70	4	21	0.12	3
155558 (2056606)	<1	0.43	<2	38	7.95	1670	<0.5	0.80	284	67	10	20	0.17	3
155559 (2056607)	<1	0.46	3	24	5.93	1310	<0.5	1.39	188	150	5	20	0.22	<1
155560 (2056608)	4	0.03	<2	21	12.5	430	<0.5	0.05	0.8	33	2	<10	0.32	<1
155561 (2056609)	<1	0.53	4	22	5.03	1180	<0.5	1.60	123	160	<1	25	0.18	<1

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155490 (2056538)	11	<10	<5	293	<10	<10	<5	0.59	<5	6	110	1	11	121
155491 (2056539)	35	<10	<5	202	<10	<10	<5	0.45	<5	<5	270	<1	18	96.4
155492 (2056540)	34	<10	<5	219	<10	<10	<5	0.36	<5	<5	209	<1	16	68.1
155493 (2056541)	40	<10	<5	139	<10	<10	<5	0.37	<5	<5	228	<1	12	112
155494 (2056542)	35	<10	<5	210	<10	<10	<5	0.49	<5	<5	246	<1	18	91.6
155495 (2056543)	37	<10	<5	182	<10	<10	<5	0.33	<5	<5	224	<1	15	82.5
155496 (2056544)	34	<10	<5	216	<10	<10	<5	0.44	<5	<5	247	<1	13	76.8
155497 (2056545)	38	<10	<5	158	<10	<10	<5	0.49	<5	<5	283	<1	15	80.2
155498 (2056546)	38	<10	<5	186	<10	<10	<5	0.57	<5	<5	335	<1	15	81.1
155499 (2056547)	39	<10	<5	162	<10	<10	<5	0.48	<5	<5	308	<1	16	89.1
155500 (2056548)	<1	<10	<5	160	<10	<10	<5	<0.01	<5	<5	1.3	<1	<1	12.5
155501 (2056549)	38	<10	<5	183	<10	<10	<5	0.49	<5	<5	298	<1	16	91.4
155502 (2056550)	36	<10	<5	186	<10	<10	<5	0.50	<5	<5	301	<1	15	80.4
155503 (2056551)	39	<10	<5	189	<10	<10	<5	0.52	<5	<5	327	<1	16	80.6
155504 (2056552)	40	<10	<5	186	<10	<10	<5	0.57	<5	<5	357	<1	15	90.3
155505 (2056553)	34	<10	<5	138	<10	<10	<5	0.52	<5	<5	338	<1	14	76.9
155506 (2056554)	39	<10	<5	201	<10	<10	<5	0.65	<5	<5	398	<1	17	86.1
155507 (2056555)	35	<10	<5	136	<10	<10	<5	0.62	<5	<5	366	<1	15	85.2
155508 (2056556)	36	<10	<5	131	<10	<10	<5	0.49	<5	<5	323	<1	15	81.6
155509 (2056557)	40	<10	<5	169	<10	<10	<5	0.61	<5	<5	390	<1	16	85.3
155510 (2056558)	40	<10	<5	168	<10	<10	<5	0.59	<5	<5	383	<1	16	87.6
155511 (2056559)	37	<10	<5	184	<10	<10	<5	0.65	<5	<5	383	<1	17	84.6
155512 (2056560)	37	<10	<5	175	<10	<10	<5	0.66	<5	<5	381	<1	17	83.6
155513 (2056561)	38	<10	<5	192	<10	<10	<5	0.59	<5	<5	354	<1	16	88.1
155514 (2056562)	39	<10	<5	151	<10	<10	<5	0.66	<5	<5	378	<1	20	79.8
155515 (2056563)	38	<10	<5	168	<10	<10	<5	0.63	<5	<5	333	<1	18	86.5
155516 (2056564)	37	<10	<5	177	<10	<10	<5	0.52	<5	<5	286	<1	17	89.4
155517 (2056565)	39	<10	<5	187	<10	<10	<5	0.56	<5	<5	312	<1	17	89.5
155518 (2056566)	37	<10	<5	184	<10	<10	<5	0.56	<5	<5	295	<1	17	83.2
155519 (2056567)	37	<10	<5	173	<10	<10	<5	0.59	<5	<5	297	<1	18	79.8
155520 (2056568)	11	<10	<5	278	<10	<10	<5	0.59	<5	<5	107	<1	11	113
155521 (2056569)	36	<10	<5	186	<10	<10	<5	0.55	<5	<5	258	<1	18	74.4

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155522 (2056570)	36	<10	<5	551	<10	<10	<5	0.45	<5	<5	252	<1	17	68.6
155523 (2056571)	39	<10	<5	175	<10	<10	<5	0.57	<5	<5	310	<1	17	82.4
155524 (2056572)	35	<10	<5	173	<10	<10	<5	0.47	<5	<5	279	<1	17	75.1
155525 (2056573)	39	<10	<5	209	<10	<10	<5	0.63	<5	<5	302	<1	19	89.4
155526 (2056574)	37	<10	<5	230	<10	<10	<5	0.45	<5	<5	255	<1	17	82.3
155527 (2056575)	38	<10	<5	187	<10	<10	<5	0.57	<5	<5	279	<1	18	86.3
155528 (2056576)	37	<10	<5	166	<10	<10	<5	0.53	<5	<5	268	<1	19	86.5
155529 (2056577)	35	<10	<5	222	<10	<10	<5	0.45	<5	<5	249	<1	16	86.6
155530 (2056578)	<1	<10	<5	122	<10	<10	<5	<0.01	<5	<5	0.9	<1	<1	41.0
155531 (2056579)	35	<10	<5	214	<10	<10	<5	0.45	<5	<5	251	<1	16	86.8
155532 (2056580)	25	<10	<5	188	<10	<10	<5	0.44	<5	<5	186	<1	20	67.6
155533 (2056581)	33	<10	<5	157	<10	<10	<5	0.66	<5	<5	251	<1	23	89.1
155534 (2056582)	34	<10	<5	188	<10	<10	<5	0.60	<5	<5	271	<1	20	85.5
155535 (2056583)	37	<10	<5	169	<10	<10	<5	0.37	<5	<5	225	<1	13	92.0
155536 (2056584)	34	<10	<5	204	<10	<10	<5	0.26	<5	<5	174	<1	10	78.8
155537 (2056585)	32	<10	<5	209	<10	<10	<5	0.49	<5	<5	222	<1	18	78.6
155538 (2056586)	23	<10	<5	156	<10	<10	<5	0.21	<5	<5	133	<1	9	102
155539 (2056587)	23	<10	<5	223	<10	<10	<5	0.17	<5	6	116	<1	7	90.1
155540 (2056588)	21	<10	<5	204	<10	<10	<5	0.16	<5	<5	105	<1	6	90.4
155541 (2056589)	19	<10	<5	25	<10	<10	<5	0.16	<5	7	99.4	<1	6	142
155542 (2056590)	14	<10	<5	90	<10	<10	<5	0.11	<5	6	70.1	<1	4	121
155543 (2056591)	17	<10	<5	221	<10	<10	<5	0.24	<5	<5	106	<1	8	91.9
155544 (2056592)	25	<10	<5	146	<10	<10	<5	0.33	<5	<5	150	<1	26	115
155545 (2056593)	3	<10	<5	142	<10	<10	7	0.15	<5	<5	12.3	<1	43	66.5
155546 (2056594)	9	<10	<5	144	<10	<10	8	0.33	<5	<5	31.0	<1	70	163
155547 (2056595)	12	<10	<5	105	<10	<10	<5	0.44	<5	<5	41.1	<1	61	290
155548 (2056596)	29	<10	<5	129	<10	<10	<5	0.53	<5	<5	283	<1	28	113
155549 (2056597)	27	<10	<5	74	<10	<10	<5	0.17	<5	<5	116	<1	12	147
155550 (2056598)	11	<10	<5	288	<10	<10	<5	0.61	<5	<5	111	2	11	116
155551 (2056599)	22	<10	<5	145	<10	<10	<5	0.11	<5	<5	89.8	<1	3	102
155552 (2056600)	25	<10	<5	101	<10	<10	<5	0.10	<5	<5	98.4	<1	4	87.4
155553 (2056601)	13	<10	<5	118	<10	<10	<5	0.33	<5	<5	41.9	<1	39	57.6

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155554 (2056602)	21	<10	<5	168	<10	<10	<5	0.10	<5	5	85.6	<1	4	213
155555 (2056603)	28	<10	<5	69	<10	<10	<5	0.14	<5	<5	118	<1	8	100
155556 (2056604)	31	<10	<5	30	<10	<10	<5	0.18	<5	<5	122	<1	10	278
155557 (2056605)	27	<10	<5	81	<10	<10	<5	0.12	<5	<5	108	<1	5	106
155558 (2056606)	28	<10	<5	78	<10	<10	<5	0.13	<5	<5	114	<1	5	137
155559 (2056607)	29	<10	<5	162	<10	<10	<5	0.18	<5	<5	133	<1	7	96.1
155560 (2056608)	<1	<10	<5	109	<10	<10	<5	<0.01	<5	<5	1.2	<1	<1	10.7
155561 (2056609)	30	<10	<5	195	<10	<10	<5	0.26	<5	<5	163	<1	8	80.3

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155490 (2056538)	51
155491 (2056539)	48
155492 (2056540)	40
155493 (2056541)	42
155494 (2056542)	64
155495 (2056543)	43
155496 (2056544)	41
155497 (2056545)	49
155498 (2056546)	46
155499 (2056547)	52
155500 (2056548)	<5
155501 (2056549)	57
155502 (2056550)	44
155503 (2056551)	42
155504 (2056552)	40
155505 (2056553)	41
155506 (2056554)	51
155507 (2056555)	48
155508 (2056556)	45
155509 (2056557)	50
155510 (2056558)	45
155511 (2056559)	54
155512 (2056560)	47
155513 (2056561)	46
155514 (2056562)	63
155515 (2056563)	56
155516 (2056564)	53
155517 (2056565)	51
155518 (2056566)	50
155519 (2056567)	61
155520 (2056568)	50
155521 (2056569)	66

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155522 (2056570)	51
155523 (2056571)	57
155524 (2056572)	52
155525 (2056573)	56
155526 (2056574)	64
155527 (2056575)	65
155528 (2056576)	59
155529 (2056577)	50
155530 (2056578)	<5
155531 (2056579)	53
155532 (2056580)	94
155533 (2056581)	90
155534 (2056582)	71
155535 (2056583)	40
155536 (2056584)	30
155537 (2056585)	58
155538 (2056586)	24
155539 (2056587)	19
155540 (2056588)	13
155541 (2056589)	25
155542 (2056590)	13
155543 (2056591)	21
155544 (2056592)	61
155545 (2056593)	133
155546 (2056594)	195
155547 (2056595)	235
155548 (2056596)	78
155549 (2056597)	31
155550 (2056598)	51
155551 (2056599)	9
155552 (2056600)	12
155553 (2056601)	118

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PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155554 (2056602)	9
155555 (2056603)	14
155556 (2056604)	30
155557 (2056605)	12
155558 (2056606)	12
155559 (2056607)	18
155560 (2056608)	<5
155561 (2056609)	19

Comments: RDL - Reported Detection Limit

2056538-2056609 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155490 (2056538)	168	1420	690
155491 (2056539)	4	9	10
155492 (2056540)	6	13	16
155493 (2056541)	2	14	13
155494 (2056542)	3	14	10
155495 (2056543)	<1	12	13
155496 (2056544)	2	13	8
155497 (2056545)	1	17	9
155498 (2056546)	3	25	20
155499 (2056547)	2	22	16
155500 (2056548)	<1	<1	<5
155501 (2056549)	2	21	16
155502 (2056550)	3	20	21
155503 (2056551)	4	28	23
155504 (2056552)	3	49	48
155505 (2056553)	5	39	37
155506 (2056554)	5	40	43
155507 (2056555)	5	50	49
155508 (2056556)	2	28	35
155509 (2056557)	6	28	31
155510 (2056558)	6	26	29
155511 (2056559)	6	27	28
155512 (2056560)	5	26	26
155513 (2056561)	4	27	16
155514 (2056562)	3	33	22
155515 (2056563)	4	24	22
155516 (2056564)	4	21	18
155517 (2056565)	4	18	22
155518 (2056566)	5	18	20
155519 (2056567)	3	17	22
155520 (2056568)	174	1470	773
155521 (2056569)	2	18	12

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155522 (2056570)	<1	19	16
155523 (2056571)	4	19	20
155524 (2056572)	2	17	21
155525 (2056573)	1	23	16
155526 (2056574)	2	21	14
155527 (2056575)	2	21	14
155528 (2056576)	4	20	12
155529 (2056577)	2	17	18
155530 (2056578)	<1	<1	<5
155531 (2056579)	2	17	14
155532 (2056580)	<1	10	8
155533 (2056581)	4	11	19
155534 (2056582)	2	18	16
155535 (2056583)	2	64	54
155536 (2056584)	<1	9	<5
155537 (2056585)	4	8	10
155538 (2056586)	<1	8	6
155539 (2056587)	<1	14	<5
155540 (2056588)	<1	16	<5
155541 (2056589)	3	30	10
155542 (2056590)	127	9560	3920
155543 (2056591)	106	3370	753
155544 (2056592)	3	71	38
155545 (2056593)	<1	2	<5
155546 (2056594)	<1	<1	<5
155547 (2056595)	<1	<1	<5
155548 (2056596)	30	36	25
155549 (2056597)	36	345	81
155550 (2056598)	151	1460	759
155551 (2056599)	9	131	36
155552 (2056600)	15	229	77
155553 (2056601)	41	291	95

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155554 (2056602)	59	546	170
155555 (2056603)	78	479	164
155556 (2056604)	65	513	143
155557 (2056605)	18	135	50
155558 (2056606)	31	263	130
155559 (2056607)	17	384	91
155560 (2056608)	<1	<1	<5
155561 (2056609)	9	34	18

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155490 (2056538)	86.17
155491 (2056539)	86
155509 (2056557)	87.8
155529 (2056577)	88
155549 (2056597)	86.4

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Mar 03, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155490 (2056538)	88
155491 (2056539)	87.11
155507 (2056555)	89.56
155526 (2056574)	85.23
155544 (2056592)	88.89

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2056539	< 0.5	< 0.5	0.0%	2056552	< 0.5	< 0.5	0.0%	2056563	< 0.5	< 0.5	0.0%	2056577	< 0.5	< 0.5	0.0%
Al	2056539	7.24	6.93	4.4%	2056552	7.80	7.39	5.4%	2056563	7.60	7.45	2.0%	2056577	8.17	8.02	1.9%
As	2056539	< 1	< 1	0.0%	2056552	< 1	< 1	0.0%	2056563	< 1	< 1	0.0%	2056577	< 1	< 1	0.0%
Ba	2056539	204	197	3.5%	2056552	239	221	7.8%	2056563	186	184	1.1%	2056577	356	347	2.6%
Be	2056539	< 0.5	< 0.5	0.0%	2056552	< 0.5	< 0.5	0.0%	2056563	< 0.5	< 0.5	0.0%	2056577	< 0.5	< 0.5	0.0%
Bi	2056539	< 1	< 1	0.0%	2056552	< 1	< 1	0.0%	2056563	< 1	< 1	0.0%	2056577	< 1	< 1	0.0%
Ca	2056539	6.15	5.98	2.8%	2056552	5.70	5.25	8.2%	2056563	5.82	5.73	1.6%	2056577	6.11	5.94	2.8%
Cd	2056539	< 0.5	< 0.5	0.0%	2056552	< 0.5	< 0.5	0.0%	2056563	< 0.5	< 0.5	0.0%	2056577	< 0.5	< 0.5	0.0%
Ce	2056539	21	20	4.9%	2056552	18	18	0.0%	2056563	23	24	4.3%	2056577	22	22	0.0%
Co	2056539	50.5	48.8	3.4%	2056552	51.7	52.7	1.9%	2056563	45.7	46.1	0.9%	2056577	41.4	41.3	0.2%
Cr	2056539	50.9	56.1	9.7%	2056552	55.3	58.0	4.8%	2056563	57.6	54.8	5.0%	2056577	71.5	70.2	1.8%
Cu	2056539	163	170	4.2%	2056552	79.7	76.9	3.6%	2056563	167	160	4.3%	2056577	89.5	89.7	0.2%
Fe	2056539	9.82	9.53	3.0%	2056552	9.84	9.06	8.3%	2056563	9.17	9.08	1.0%	2056577	8.48	8.22	3.1%
Ga	2056539	15	15	0.0%	2056552	15	15	0.0%	2056563	16	16	0.0%	2056577	15	16	6.5%
In	2056539	< 1	< 1	0.0%	2056552	< 1	< 1	0.0%	2056563	< 1	< 1	0.0%	2056577	< 1	< 1	0.0%
K	2056539	0.558	0.532	4.8%	2056552	0.71	0.67	5.8%	2056563	0.61	0.61	0.0%	2056577	0.67	0.66	1.5%
La	2056539	7	8	13.3%	2056552	7	6	15.4%	2056563	9	9	0.0%	2056577	9	9	0.0%
Li	2056539	16	16	0.0%	2056552	22	21	4.7%	2056563	16	16	0.0%	2056577	19	20	5.1%
Mg	2056539	4.01	3.87	3.6%	2056552	3.96	3.76	5.2%	2056563	3.49	3.44	1.4%	2056577	3.58	3.52	1.7%
Mn	2056539	1620	1570	3.1%	2056552	1520	1410	7.5%	2056563	1410	1390	1.4%	2056577	1370	1340	2.2%
Mo	2056539	< 0.5	< 0.5	0.0%	2056552	< 0.5	< 0.5	0.0%	2056563	< 0.5	< 0.5	0.0%	2056577	< 0.5	< 0.5	0.0%
Na	2056539	2.34	2.25	3.9%	2056552	2.65	2.44	8.3%	2056563	2.79	2.74	1.8%	2056577	2.34	2.27	3.0%
Ni	2056539	67.0	63.6	5.2%	2056552	68.0	67.8	0.3%	2056563	62.0	61.6	0.6%	2056577	64.4	63.9	0.8%
P	2056539	414	394	5.0%	2056552	328	316	3.7%	2056563	434	436	0.5%	2056577	407	395	3.0%
Pb	2056539	5	5	0.0%	2056552	2	3		2056563	3	2		2056577	2	3	
Rb	2056539	18	17	5.7%	2056552	25	25	0.0%	2056563	22	23	4.4%	2056577	20	20	0.0%
S	2056539	0.14	0.14	0.0%	2056552	0.09	0.09	0.0%	2056563	0.13	0.13	0.0%	2056577	0.11	0.11	0.0%
Sb	2056539	< 1	< 1	0.0%	2056552	< 1	< 1	0.0%	2056563	< 1	< 1	0.0%	2056577	< 1	< 1	0.0%
Sc	2056539	35	34	2.9%	2056552	40	39	2.5%	2056563	38	38	0.0%	2056577	35	35	0.0%
Se	2056539	< 10	< 10	0.0%	2056552	< 10	< 10	0.0%	2056563	< 10	< 10	0.0%	2056577	< 10	< 10	0.0%
Sn	2056539	< 5	< 5	0.0%	2056552	< 5	< 5	0.0%	2056563	< 5	< 5	0.0%	2056577	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark

Sr	2056539	202	195	3.5%	2056552	186	170	9.0%	2056563	168	164	2.4%	2056577	222	216	2.7%
Ta	2056539	< 10	< 10	0.0%	2056552	< 10	< 10	0.0%	2056563	< 10	< 10	0.0%	2056577	< 10	< 10	0.0%
Te	2056539	< 10	< 10	0.0%	2056552	< 10	< 10	0.0%	2056563	< 10	< 10	0.0%	2056577	< 10	< 10	0.0%
Th	2056539	< 5	< 5	0.0%	2056552	< 5	< 5	0.0%	2056563	< 5	< 5	0.0%	2056577	< 5	< 5	0.0%
Ti	2056539	0.449	0.455	1.3%	2056552	0.57	0.53	7.3%	2056563	0.626	0.603	3.7%	2056577	0.45	0.44	2.2%
Tl	2056539	< 5	< 5	0.0%	2056552	< 5	< 5	0.0%	2056563	< 5	< 5	0.0%	2056577	< 5	< 5	0.0%
U	2056539	< 5	< 5	0.0%	2056552	< 5	< 5	0.0%	2056563	< 5	< 5	0.0%	2056577	< 5	< 5	0.0%
V	2056539	270	266	1.5%	2056552	357	356	0.3%	2056563	333	335	0.6%	2056577	249	251	0.8%
W	2056539	< 1	< 1	0.0%	2056552	< 1	< 1	0.0%	2056563	< 1	< 1	0.0%	2056577	< 1	< 1	0.0%
Y	2056539	18	18	0.0%	2056552	15	15	0.0%	2056563	18	18	0.0%	2056577	16	16	0.0%
Zn	2056539	96.4	96.4	0.0%	2056552	90.3	84.6	6.5%	2056563	86.5	86.3	0.2%	2056577	86.6	85.4	1.4%
Zr	2056539	48	44	8.7%	2056552	40	42	4.9%	2056563	56	60	6.9%	2056577	50	52	3.9%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2056588	< 0.5	< 0.5	0.0%	2056602	0.9	0.9	0.0%								
Al	2056588	9.22	9.25	0.3%	2056602	9.14	9.08	0.7%								
As	2056588	< 1	1		2056602	< 1	< 1	0.0%								
Ba	2056588	139	142	2.1%	2056602	179	177	1.1%								
Be	2056588	< 0.5	< 0.5	0.0%	2056602	< 0.5	< 0.5	0.0%								
Bi	2056588	< 1	< 1	0.0%	2056602	< 1	< 1	0.0%								
Ca	2056588	7.77	7.46	4.1%	2056602	5.93	5.91	0.3%								
Cd	2056588	< 0.5	< 0.5	0.0%	2056602	0.76	0.73	4.0%								
Ce	2056588	7	7	0.0%	2056602	4	4	0.0%								
Co	2056588	60.0	62.4	3.9%	2056602	66.0	65.9	0.2%								
Cr	2056588	148	164	10.3%	2056602	157	154	1.9%								
Cu	2056588	33.9	34.6	2.0%	2056602	1410	1410	0.0%								
Fe	2056588	7.37	7.32	0.7%	2056602	6.65	6.61	0.6%								
Ga	2056588	11	11	0.0%	2056602	10	9	10.5%								
In	2056588	< 1	< 1	0.0%	2056602	< 1	< 1	0.0%								
K	2056588	0.44	0.45	2.2%	2056602	0.67	0.67	0.0%								
La	2056588	2	2	0.0%	2056602	< 2	< 2	0.0%								
Li	2056588	26	26	0.0%	2056602	37	37	0.0%								
Mg	2056588	5.52	5.48	0.7%	2056602	6.03	6.01	0.3%								
Mn	2056588	1230	1210	1.6%	2056602	1230	1230	0.0%								

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2056588	< 0.5	< 0.5	0.0%	2056602	< 0.5	< 0.5	0.0%								
Na	2056588	1.19	1.21	1.7%	2056602	1.51	1.50	0.7%								
Ni	2056588	241	248	2.9%	2056602	463	451	2.6%								
P	2056588	127	128	0.8%	2056602	58	56	3.5%								
Pb	2056588	< 1	1		2056602	69	68	1.5%								
Rb	2056588	14	15	6.9%	2056602	31	30	3.3%								
S	2056588	0.12	0.12	0.0%	2056602	0.406	0.405	0.2%								
Sb	2056588	< 1	< 1	0.0%	2056602	3	2									
Sc	2056588	21	21	0.0%	2056602	21	20	4.9%								
Se	2056588	< 10	< 10	0.0%	2056602	< 10	< 10	0.0%								
Sn	2056588	< 5	< 5	0.0%	2056602	< 5	< 5	0.0%								
Sr	2056588	204	198	3.0%	2056602	168	167	0.6%								
Ta	2056588	< 10	< 10	0.0%	2056602	< 10	< 10	0.0%								
Te	2056588	< 10	< 10	0.0%	2056602	< 10	< 10	0.0%								
Th	2056588	< 5	< 5	0.0%	2056602	< 5	< 5	0.0%								
Ti	2056588	0.16	0.16	0.0%	2056602	0.10	0.10	0.0%								
Tl	2056588	< 5	< 5	0.0%	2056602	< 5	< 5	0.0%								
U	2056588	< 5	< 5	0.0%	2056602	5	4	22.2%								
V	2056588	105	108	2.8%	2056602	85.6	85.4	0.2%								
W	2056588	< 1	< 1	0.0%	2056602	< 1	< 1	0.0%								
Y	2056588	6	6	0.0%	2056602	4	4	0.0%								
Zn	2056588	90.4	89.8	0.7%	2056602	213	213	0.0%								
Zr	2056588	13	15	14.3%	2056602	9	9	0.0%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2056539	4	3	28.6%	2056552	3	3	0.0%	2056563	4	4	0.0%	2056577	2	1	
Pd	2056539	9	9	0.0%	2056552	49	50	2.0%	2056563	24	24	0.0%	2056577	17	17	0.0%
Pt	2056539	10	17		2056552	48	43	11.0%	2056563	22	24	8.7%	2056577	18	17	5.7%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2056588	< 1	< 1	0.0%	2056602	59	66	11.2%								
Pd	2056588	16	16	0.0%	2056602	546	591	7.9%								
Pt	2056588	< 5	5		2056602	170	177	4.0%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.18	105%	90% - 110%				
Al	8.47	8.14	96%	90% - 110%	6.96	6.96	100%	90% - 110%	4.75	4.86	102%	90% - 110%	8.47	8.36	99%	90% - 110%
As	26	27	106%	90% - 110%	124	122	98%	90% - 110%					26	24	92%	90% - 110%
Ba	540	507	94%	90% - 110%	186	185	99%	90% - 110%	216	222	103%	90% - 110%	540	512	95%	90% - 110%
Be	4.0	3.2	79%	90% - 110%									4.0	3.3	83%	90% - 110%
Ca	0.907	0.887	98%	90% - 110%	4.01	3.97	99%	90% - 110%	10	9	94%	90% - 110%	0.907	0.919	101%	90% - 110%
Ce	98	92	94%	90% - 110%	24	23	97%	90% - 110%					98	96	98%	90% - 110%
Co	13	12	95%	90% - 110%	22.1	18.9	86%	90% - 110%	191	170	89%	90% - 110%	13	12	95%	90% - 110%
Cr	60.3	56.8	94%	90% - 110%					670	514	77%	90% - 110%	60.3	56.2	93%	90% - 110%
Cu	150	145	96%	90% - 110%	88.6	86.3	97%	90% - 110%	7120	7024	99%	90% - 110%	150	153	102%	90% - 110%
Fe	3.77	3.73	99%	90% - 110%	7.56	7.56	100%	90% - 110%	12.71	12.03	95%	90% - 110%	3.77	3.64	96%	90% - 110%
K					2.021	1.931	96%	90% - 110%	0.1021	0.112	110%	90% - 110%				
La	44	40	91%	90% - 110%									44	42	95%	90% - 110%
Li	47	49	103%	90% - 110%									47	49	104%	90% - 110%
Mg	1.10	1.05	95%	90% - 110%	2.412	2.363	98%	90% - 110%	7.41	7.14	96%	90% - 110%	1.10	1.07	97%	90% - 110%
Mn	780	738	95%	90% - 110%	1510	1454	96%	90% - 110%					780	739	95%	90% - 110%
Mo	14	12	84%	90% - 110%									14	12	84%	90% - 110%
Na	1.624	1.67	103%	90% - 110%	0.617	0.643	104%	90% - 110%	0.112	0.123	110%	90% - 110%	1.624	1.687	104%	90% - 110%
Ni	32	32	99%	90% - 110%	77.1	71.4	93%	90% - 110%	2480	2106	85%	90% - 110%	32	31	97%	90% - 110%
P	750	754	100%	90% - 110%	892	916	103%	90% - 110%	731	708	97%	90% - 110%	750	738	98%	90% - 110%
Pb	31	22	71%	90% - 110%									31	22	72%	90% - 110%
Rb	143	162	114%	90% - 110%									143	109	76%	90% - 110%
S					0.348	0.372	107%	90% - 110%								
Sc	12	12	97%	90% - 110%					21.33	19.54	92%	90% - 110%	12	12	96%	90% - 110%
Sr	144	145	101%	90% - 110%	92.8	88.8	96%	90% - 110%	39	37	95%	90% - 110%	144	146	102%	90% - 110%
Ti	0.53	0.47	89%	90% - 110%					0.419	0.416	99%	90% - 110%	0.53	0.48	90%	90% - 110%
V	77	77	101%	90% - 110%					158	156	99%	90% - 110%	77	77	100%	90% - 110%
W	5	5	93%	90% - 110%									5	5	91%	90% - 110%
Y									12.67	11.78	93%	90% - 110%				
Zn	130	121	93%	90% - 110%	208	205	99%	90% - 110%	112	106	95%	90% - 110%	130	125	96%	90% - 110%
Zr									35.7	38.4	108%	90% - 110%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1997	105%	90% - 110%	1897	2054	108%	90% - 110%	1897	1977	104%	90% - 110%	1897	2082	110%	90% - 110%
Pd	1660	1758	106%	90% - 110%	1660	1725	104%	90% - 110%	1660	1770	106%	90% - 110%	1660	1778	107%	90% - 110%
Pt	223	240	107%	90% - 110%	223	237	106%	90% - 110%	223	240	107%	90% - 110%	223	243	109%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T707884

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T707901

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Feb 25, 2021

PAGES (INCLUDING COVER): 15

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155562 (2056653)	2.67
155563 (2056654)	2.45
155564 (2056655)	2.59
155565 (2056656)	1.19
155566 (2056657)	1.09
155567 (2056658)	2.26
155568 (2056659)	2.18
155569 (2056660)	2.35
155570 (2056661)	2.25
155571 (2056662)	2.16
155572 (2056663)	2.41
155573 (2056664)	2.41
155574 (2056665)	2.36
155575 (2056666)	2.33
155576 (2056667)	2.36
155577 (2056668)	2.03
155578 (2056669)	2.50
155579 (2056670)	2.50
155580 (2056671)	0.11
155581 (2056672)	2.34
155582 (2056673)	2.31
155583 (2056674)	2.38
155584 (2056675)	2.42

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155562 (2056653)	<0.5	6.21	<1	72	<0.5	<1	6.17	<0.5	5	65.7	275	788	8.19	5
155563 (2056654)	1.1	8.28	<1	134	<0.5	<1	6.47	<0.5	8	66.9	205	1760	6.88	10
155564 (2056655)	2.1	8.47	<1	152	<0.5	<1	5.59	3.1	6	78.4	158	3730	7.04	8
155565 (2056656)	<0.5	11.5	<1	296	<0.5	<1	5.64	<0.5	8	45.6	89.6	1390	5.38	19
155566 (2056657)	0.5	10.9	<1	286	<0.5	<1	5.94	<0.5	8	49.7	82.6	2210	5.06	19
155567 (2056658)	<0.5	9.57	<1	194	1.0	<1	4.05	<0.5	38	19.8	62.3	810	3.42	24
155568 (2056659)	<0.5	7.21	<1	63	1.0	<1	3.00	<0.5	53	23.4	36.5	864	4.07	20
155569 (2056660)	<0.5	8.05	2	66	1.0	<1	2.47	<0.5	49	25.3	68.2	495	3.66	21
155570 (2056661)	0.6	9.50	<1	120	0.9	<1	3.65	<0.5	43	47.8	84.9	1160	6.70	25
155571 (2056662)	<0.5	6.88	<1	36	1.1	<1	2.67	<0.5	57	23.1	84.2	999	3.25	16
155572 (2056663)	<0.5	11.0	<1	179	<0.5	<1	5.10	<0.5	4	49.5	87.8	846	5.99	23
155573 (2056664)	<0.5	8.08	<1	55	0.6	<1	3.93	<0.5	8	66.2	98.3	761	8.15	12
155574 (2056665)	<0.5	5.61	<1	6	0.6	<1	4.05	<0.5	10	84.8	160	1080	9.89	9
155575 (2056666)	0.9	5.75	<1	18	0.6	<1	3.41	<0.5	15	69.8	136	1040	8.99	7
155576 (2056667)	2.8	5.66	4	24	0.9	<1	2.50	6.6	40	53.2	80.6	1250	2.94	8
155577 (2056668)	0.9	7.89	4	88	0.9	<1	3.28	<0.5	8	74.6	137	2130	8.11	9
155578 (2056669)	0.7	7.19	1	38	0.8	<1	4.13	<0.5	9	80.7	149	1970	8.90	9
155579 (2056670)	<0.5	7.50	<1	54	<0.5	<1	6.39	<0.5	15	57.1	132	601	7.20	15
155580 (2056671)	3.4	6.83	<1	277	0.7	<1	4.01	<0.5	29	156	243	6520	12.9	<5
155581 (2056672)	<0.5	9.22	<1	87	<0.5	<1	7.69	<0.5	5	51.8	82.9	260	7.09	17
155582 (2056673)	<0.5	9.70	<1	142	<0.5	<1	6.68	<0.5	6	51.9	93.4	411	6.58	16
155583 (2056674)	<0.5	9.21	<1	133	<0.5	<1	6.94	<0.5	6	42.9	98.9	298	6.40	15
155584 (2056675)	<0.5	9.64	<1	80	<0.5	<1	6.71	<0.5	8	45.8	81.5	275	7.38	17

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155562 (2056653)	<1	0.26	<2	30	8.60	1850	<0.5	0.81	306	66	1	13	0.12	<1
155563 (2056654)	<1	0.58	3	27	5.86	1340	<0.5	1.53	468	106	5	25	0.41	<1
155564 (2056655)	<1	0.81	<2	32	6.17	1330	<0.5	1.53	771	58	216	35	0.57	<1
155565 (2056656)	<1	1.30	3	33	4.12	1010	<0.5	2.36	325	78	<1	54	0.21	<1
155566 (2056657)	<1	1.30	4	33	3.78	978	<0.5	2.25	368	62	<1	55	0.34	<1
155567 (2056658)	<1	0.82	18	22	1.85	536	4.9	2.84	84.8	119	<1	32	0.17	<1
155568 (2056659)	<1	0.36	23	22	2.18	630	2.6	2.64	93.4	222	2	18	0.20	<1
155569 (2056660)	<1	0.22	21	18	1.87	531	7.0	3.78	100	167	<1	11	0.11	<1
155570 (2056661)	<1	0.61	19	41	4.08	1040	1.6	1.83	218	169	3	29	0.21	<1
155571 (2056662)	<1	0.10	25	11	1.86	514	10.7	3.55	122	345	2	<10	0.16	<1
155572 (2056663)	<1	0.75	<2	37	4.20	1010	<0.5	2.43	243	57	56	34	0.21	1
155573 (2056664)	<1	0.34	3	46	6.22	1400	<0.5	1.67	267	27	10	15	0.11	<1
155574 (2056665)	<1	0.04	3	35	8.35	1720	<0.5	0.62	347	52	6	<10	0.15	<1
155575 (2056666)	<1	0.08	5	32	7.19	1540	<0.5	0.92	263	60	131	<10	0.15	<1
155576 (2056667)	<1	0.08	16	17	1.85	431	21.2	3.46	130	189	513	<10	0.77	<1
155577 (2056668)	<1	0.40	3	36	6.17	1330	<0.5	1.90	540	53	36	20	0.31	<1
155578 (2056669)	<1	0.19	3	50	6.70	1400	<0.5	1.51	594	40	11	11	0.35	<1
155579 (2056670)	<1	0.27	6	50	5.32	1230	<0.5	1.27	211	93	<1	15	0.24	<1
155580 (2056671)	<1	0.64	11	13	3.91	1140	<0.5	1.81	8660	584	38	23	2.81	<1
155581 (2056672)	<1	0.39	<2	24	4.91	1300	<0.5	1.86	166	56	8	19	0.22	<1
155582 (2056673)	<1	0.63	2	22	4.77	1170	<0.5	1.98	173	68	<1	29	0.27	<1
155583 (2056674)	<1	0.66	2	21	4.81	1200	<0.5	1.96	138	68	<1	32	0.16	<1
155584 (2056675)	<1	0.34	3	29	4.90	1270	<0.5	2.22	138	96	<1	19	0.14	<1

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155562 (2056653)	34	<10	<5	83	<10	<10	<5	0.14	<5	<5	128	<1	5	117
155563 (2056654)	33	<10	<5	194	<10	<10	<5	0.16	<5	<5	138	<1	7	121
155564 (2056655)	26	<10	<5	183	<10	<10	<5	0.12	<5	<5	106	<1	6	730
155565 (2056656)	17	<10	<5	291	<10	<10	<5	0.11	<5	<5	78.0	<1	6	78.9
155566 (2056657)	16	<10	<5	282	<10	<10	<5	0.11	<5	<5	74.2	<1	7	78.2
155567 (2056658)	9	<10	<5	273	<10	<10	<5	0.12	<5	<5	43.0	<1	32	62.7
155568 (2056659)	12	<10	<5	155	<10	<10	<5	0.23	<5	<5	100	<1	37	71.6
155569 (2056660)	9	<10	<5	165	<10	<10	<5	0.16	<5	<5	54.2	<1	34	105
155570 (2056661)	18	<10	<5	228	<10	<10	<5	0.19	<5	<5	101	<1	25	85.9
155571 (2056662)	11	<10	<5	152	<10	<10	<5	0.24	<5	<5	52.1	<1	43	59.1
155572 (2056663)	21	<10	<5	326	<10	<10	<5	0.10	<5	<5	99.2	<1	3	206
155573 (2056664)	22	<10	<5	126	<10	<10	<5	0.16	<5	<5	138	<1	6	107
155574 (2056665)	35	<10	<5	15	<10	<10	<5	0.27	<5	<5	167	1	11	133
155575 (2056666)	30	<10	<5	21	<10	<10	<5	0.15	<5	<5	121	<1	12	271
155576 (2056667)	7	<10	<5	57	<10	<10	<5	0.16	<5	<5	26.6	<1	35	1330
155577 (2056668)	26	<10	<5	123	<10	<10	<5	0.10	<5	<5	103	<1	6	196
155578 (2056669)	27	<10	<5	67	<10	<10	<5	0.11	<5	<5	100	<1	8	157
155579 (2056670)	35	<10	<5	142	<10	<10	<5	0.17	<5	<5	155	<1	13	65.3
155580 (2056671)	13	<10	<5	285	<10	<10	<5	0.59	<5	<5	113	<1	12	115
155581 (2056672)	39	<10	<5	213	<10	<10	<5	0.17	<5	<5	156	<1	7	104
155582 (2056673)	31	<10	<5	235	<10	<10	<5	0.15	<5	<5	128	<1	6	89.0
155583 (2056674)	38	<10	<5	231	<10	<10	<5	0.18	<5	<5	148	<1	7	109
155584 (2056675)	33	<10	<5	212	<10	<10	<5	0.22	<5	<5	168	<1	8	125

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155562 (2056653)	9
155563 (2056654)	16
155564 (2056655)	7
155565 (2056656)	7
155566 (2056657)	7
155567 (2056658)	67
155568 (2056659)	96
155569 (2056660)	91
155570 (2056661)	83
155571 (2056662)	125
155572 (2056663)	6
155573 (2056664)	<5
155574 (2056665)	26
155575 (2056666)	24
155576 (2056667)	118
155577 (2056668)	8
155578 (2056669)	9
155579 (2056670)	23
155580 (2056671)	48
155581 (2056672)	8
155582 (2056673)	9
155583 (2056674)	9
155584 (2056675)	11

Comments: RDL - Reported Detection Limit

2056653-2056675 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155562 (2056653)	45	167	126
155563 (2056654)	89	1240	441
155564 (2056655)	257	2500	886
155565 (2056656)	88	665	207
155566 (2056657)	78	779	244
155567 (2056658)	22	78	18
155568 (2056659)	16	53	16
155569 (2056660)	24	143	40
155570 (2056661)	48	337	97
155571 (2056662)	23	241	62
155572 (2056663)	28	416	140
155573 (2056664)	30	323	107
155574 (2056665)	83	384	117
155575 (2056666)	51	194	58
155576 (2056667)	51	152	44
155577 (2056668)	86	806	220
155578 (2056669)	85	746	223
155579 (2056670)	24	79	72
155580 (2056671)	180	1420	716
155581 (2056672)	10	87	56
155582 (2056673)	19	127	89
155583 (2056674)	13	63	40
155584 (2056675)	14	83	59

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155562 (2056653)	88
155581 (2056672)	90

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 04, 2021 | DATE RECEIVED: Feb 02, 2021 | DATE REPORTED: Feb 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155562 (2056653)	85.45
155581 (2056672)	85.71

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2056667	2.83	2.74	3.2%												
Al	2056667	5.66	5.75	1.6%												
As	2056667	4	< 1													
Ba	2056667	24	24	0.0%												
Be	2056667	0.9	0.9	0.0%												
Bi	2056667	< 1	< 1	0.0%												
Ca	2056667	2.50	2.51	0.4%												
Cd	2056667	6.64	6.86	3.3%												
Ce	2056667	40	40	0.0%												
Co	2056667	53.2	51.6	3.1%												
Cr	2056667	80.6	84.2	4.4%												
Cu	2056667	1250	1270	1.6%												
Fe	2056667	2.94	2.96	0.7%												
Ga	2056667	8	8	0.0%												
In	2056667	< 1	< 1	0.0%												
K	2056667	0.08	0.08	0.0%												
La	2056667	16	16	0.0%												
Li	2056667	17	17	0.0%												
Mg	2056667	1.85	1.87	1.1%												
Mn	2056667	431	435	0.9%												
Mo	2056667	21.2	22.3	5.1%												
Na	2056667	3.46	3.48	0.6%												
Ni	2056667	130	129	0.8%												
P	2056667	189	182	3.8%												
Pb	2056667	513	511	0.4%												
Rb	2056667	< 10	< 10	0.0%												
S	2056667	0.77	0.77	0.0%												
Sb	2056667	< 1	< 1	0.0%												
Sc	2056667	7	7	0.0%												
Se	2056667	< 10	< 10	0.0%												
Sn	2056667	< 5	< 5	0.0%												

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2056667	57	57	0.0%												
Ta	2056667	< 10	< 10	0.0%												
Te	2056667	< 10	< 10	0.0%												
Th	2056667	< 5	< 5	0.0%												
Ti	2056667	0.164	0.165	0.6%												
Tl	2056667	< 5	< 5	0.0%												
U	2056667	< 5	< 5	0.0%												
V	2056667	26.6	26.1	1.9%												
W	2056667	< 1	< 1	0.0%												
Y	2056667	35	35	0.0%												
Zn	2056667	1330	1340	0.7%												
Zr	2056667	118	117	0.9%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2056653	45	48	6.5%	2056667	51	52	1.9%								
Pd	2056653	167	166	0.6%	2056667	152	161	5.8%								
Pt	2056653	126	138	9.1%	2056667	44	50	12.8%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.PGMS30)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	8.47	8.35	99%	90% - 110%												
As	26	28	109%	90% - 110%												
Ba	540	523	97%	90% - 110%												
Be	4.0	3.5	87%	90% - 110%												
Ca	0.907	0.87	96%	90% - 110%												
Ce	98	103	105%	90% - 110%												
Co	13	12	94%	90% - 110%												
Cr	60.3	63.7	106%	90% - 110%												
Cu	150	150	100%	90% - 110%												
Fe	3.77	3.67	97%	90% - 110%												
La	44	45	103%	90% - 110%												
Li	47	48	103%	90% - 110%												
Mg	1.10	1.07	97%	90% - 110%												
Mn	780	745	95%	90% - 110%												
Mo	14	12	84%	90% - 110%												
Na	1.624	1.755	108%	90% - 110%												
Ni	32	32	102%	90% - 110%												
P	750	735	98%	90% - 110%												
Pb	31	22	73%	90% - 110%												
Rb	143	139	97%	90% - 110%												
Sc	12	13	107%	90% - 110%												
Sr	144	155	107%	90% - 110%												
Ti	0.53	0.48	90%	90% - 110%												
V	77	81	105%	90% - 110%												
W	5	4	86%	90% - 110%												
Zn	130	118	91%	90% - 110%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	1897	1976	104%	90% - 110%	1897	1991	105%	90% - 110%								
Pd	1660	1766	106%	90% - 110%	1660	1746	105%	90% - 110%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Pt	223	240	107%	90% - 110%	223	238	107%	90% - 110%								

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
AGAT WORK ORDER: 21T707901
PROJECT: East Bull
ATTENTION TO: Garry Clark
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T707901

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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AGAT Laboratories

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FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT:

AGAT WORK ORDER: 21T709700

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Mar 21, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155585 (2089074)	2.43
155586 (2089075)	2.40
155587 (2089076)	2.51
155588 (2089077)	2.61
155589 (2089078)	2.48
155590 (2089079)	0.10
155591 (2089080)	2.43
155592 (2089081)	2.50
155593 (2089082)	2.61
155594 (2089083)	2.44
155595 (2089084)	2.45
155596 (2089085)	2.53
155597 (2089086)	2.53
155598 (2089087)	2.50
155599 (2089088)	2.53
155600 (2089089)	0.77
155601 (2089090)	2.55
155602 (2089091)	2.65
155603 (2089092)	2.46
155604 (2089093)	2.51
155605 (2089094)	2.19
155606 (2089095)	2.54
155607 (2089096)	2.54
155608 (2089097)	1.85
155609 (2089098)	2.40
155610 (2089099)	1.28
155611 (2089100)	1.15
155612 (2089101)	2.72
155613 (2089102)	2.56
155614 (2089103)	2.49
155615 (2089104)	2.41

Certified By:

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155616 (2089105)	2.44
155617 (2089106)	2.39
155618 (2089107)	2.38
155619 (2089108)	2.69
155620 (2089109)	0.11
155621 (2089110)	2.48
155622 (2089111)	2.52
155623 (2089112)	2.52
155624 (2089113)	2.74
155625 (2089114)	2.28
155626 (2089115)	2.59
155627 (2089116)	2.56
155628 (2089117)	2.45
155629 (2089118)	2.54
155630 (2089119)	0.67
155631 (2089120)	2.26
155632 (2089121)	2.37
155633 (2089122)	2.26
155634 (2089123)	2.32
155635 (2089124)	2.71
155636 (2089125)	2.35
155637 (2089126)	2.42
155638 (2089127)	2.27
155639 (2089128)	1.16
155640 (2089129)	1.09
155641 (2089130)	2.38
155642 (2089131)	2.41
155643 (2089132)	2.64
155644 (2089133)	2.49
155645 (2089134)	2.47
155646 (2089135)	2.52

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155647 (2089136)	2.43
155648 (2089137)	2.44
155649 (2089138)	2.62
155650 (2089139)	0.11
155651 (2089140)	2.61
155652 (2089141)	2.42
155653 (2089142)	2.39
155654 (2089143)	2.57
155655 (2089144)	2.49
155656 (2089145)	2.48

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155585 (2089074)	<0.5	6.99	<1	258	1.0	<1	6.94	<0.5	15	49.8	48.6	103	9.12	30
155586 (2089075)	<0.5	7.09	<1	256	0.9	<1	6.86	<0.5	17	50.2	44.8	69.7	9.07	30
155587 (2089076)	<0.5	7.14	<1	241	1.0	<1	6.82	<0.5	16	52.9	41.0	57.7	9.42	31
155588 (2089077)	<0.5	7.08	<1	217	0.8	<1	6.82	<0.5	15	51.0	42.3	139	8.66	29
155589 (2089078)	<0.5	7.25	<1	229	1.0	<1	7.09	<0.5	15	49.9	44.0	266	9.24	31
155590 (2089079)	3.2	6.55	<1	271	0.9	<1	3.96	1.6	26	158	259	6460	13.3	28
155591 (2089080)	<0.5	7.12	<1	179	0.9	<1	6.76	<0.5	18	49.2	44.5	214	8.96	29
155592 (2089081)	<0.5	7.18	<1	183	0.8	<1	6.97	<0.5	16	49.1	49.9	180	8.49	29
155593 (2089082)	<0.5	7.33	<1	185	0.8	<1	7.24	<0.5	13	50.4	41.4	161	8.50	30
155594 (2089083)	<0.5	7.42	<1	205	0.8	<1	7.28	<0.5	12	51.3	44.5	165	9.01	29
155595 (2089084)	<0.5	7.29	<1	242	0.8	<1	6.93	<0.5	14	47.1	39.4	170	8.27	29
155596 (2089085)	<0.5	7.61	2	199	0.7	<1	7.13	<0.5	13	48.0	45.5	131	8.43	29
155597 (2089086)	<0.5	7.31	<1	208	0.8	<1	7.25	<0.5	13	49.9	39.7	227	9.04	29
155598 (2089087)	<0.5	6.95	<1	238	0.9	<1	6.96	<0.5	16	51.4	38.1	191	9.33	31
155599 (2089088)	<0.5	7.44	<1	218	0.8	<1	7.13	<0.5	15	49.1	79.7	141	9.00	31
155600 (2089089)	<0.5	0.04	<1	598	<0.5	<1	18.4	<0.5	<1	<0.5	9.2	<0.5	0.07	<5
155601 (2089090)	<0.5	7.19	<1	278	1.0	<1	7.09	<0.5	15	47.3	42.4	222	9.21	31
155602 (2089091)	<0.5	7.05	<1	296	0.9	<1	6.96	<0.5	16	48.8	42.8	159	9.38	30
155603 (2089092)	<0.5	6.89	<1	107	0.9	<1	6.15	<0.5	17	51.7	32.7	145	9.85	30
155604 (2089093)	<0.5	7.15	<1	68	0.9	<1	6.29	<0.5	18	47.2	39.7	258	9.14	31
155605 (2089094)	<0.5	7.18	<1	99	1.0	<1	6.23	<0.5	20	47.7	43.0	253	9.37	32
155606 (2089095)	<0.5	7.35	<1	155	0.8	<1	6.20	<0.5	18	46.6	47.9	107	8.60	29
155607 (2089096)	<0.5	7.25	<1	105	0.7	<1	5.79	<0.5	17	47.6	40.4	87.7	8.61	29
155608 (2089097)	<0.5	7.71	4	64	0.6	<1	6.75	<0.5	17	41.3	87.0	32.9	8.34	33
155609 (2089098)	<0.5	10.1	<1	310	0.7	<1	6.02	<0.5	11	25.2	63.2	41.1	5.62	29
155610 (2089099)	<0.5	7.33	<1	109	0.9	<1	5.96	<0.5	17	47.2	46.7	182	9.24	30
155611 (2089100)	<0.5	6.88	<1	84	0.8	<1	5.50	<0.5	17	46.9	35.7	199	8.67	28
155612 (2089101)	<0.5	6.94	<1	68	0.9	<1	5.63	<0.5	21	46.4	40.0	155	8.70	31
155613 (2089102)	<0.5	7.20	<1	135	0.9	<1	5.51	<0.5	25	47.0	67.1	193	8.39	29
155614 (2089103)	<0.5	7.13	<1	48	0.8	<1	7.57	<0.5	15	40.2	50.5	60.6	8.21	30
155615 (2089104)	<0.5	7.32	<1	108	0.8	<1	5.07	<0.5	17	51.2	47.8	105	8.12	27
155616 (2089105)	<0.5	7.38	<1	117	0.8	<1	5.24	<0.5	16	49.4	45.7	105	8.26	29

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155617 (2089106)	<0.5	7.66	<1	126	0.7	<1	5.53	<0.5	16	46.5	43.6	99.0	8.00	29
155618 (2089107)	<0.5	7.41	<1	240	0.7	<1	5.46	<0.5	19	45.8	81.3	64.2	7.84	28
155619 (2089108)	<0.5	7.69	<1	313	0.7	<1	5.75	<0.5	16	44.9	53.4	97.3	7.40	27
155620 (2089109)	3.4	6.61	<1	276	0.9	<1	4.00	1.8	25	156	262	6470	13.3	28
155621 (2089110)	<0.5	7.46	<1	98	0.8	<1	7.50	<0.5	13	39.1	74.5	133	8.04	31
155622 (2089111)	<0.5	8.14	<1	152	0.8	<1	5.84	<0.5	18	50.2	45.1	81.6	8.47	29
155623 (2089112)	<0.5	7.48	<1	108	0.8	<1	6.10	<0.5	15	47.6	50.5	128	7.92	29
155624 (2089113)	<0.5	7.53	<1	151	0.8	<1	6.59	<0.5	17	44.8	56.6	121	8.30	32
155625 (2089114)	<0.5	7.09	<1	78	0.7	<1	5.01	<0.5	15	45.0	46.5	118	7.60	27
155626 (2089115)	<0.5	7.62	<1	80	0.8	<1	6.04	<0.5	19	45.5	51.2	136	8.47	34
155627 (2089116)	<0.5	7.03	<1	200	0.8	<1	6.25	<0.5	29	42.1	43.4	129	8.01	30
155628 (2089117)	<0.5	7.81	<1	151	0.8	<1	5.55	<0.5	19	48.6	55.2	83.3	8.80	31
155629 (2089118)	<0.5	7.30	<1	116	1.0	<1	6.00	<0.5	17	47.6	58.4	121	8.61	33
155630 (2089119)	<0.5	0.05	3	370	<0.5	<1	19.2	<0.5	<1	<0.5	9.6	<0.5	0.07	<5
155631 (2089120)	<0.5	7.41	<1	203	1.4	<1	5.75	<0.5	19	48.2	44.3	170	9.53	31
155632 (2089121)	<0.5	6.48	<1	444	1.2	<1	3.83	<0.5	40	32.4	94.0	140	6.27	25
155633 (2089122)	<0.5	6.25	2	572	0.8	<1	3.32	<0.5	80	6.1	101	16.8	2.84	20
155634 (2089123)	<0.5	7.09	<1	170	1.3	<1	5.85	<0.5	39	33.4	87.1	92.4	7.76	31
155635 (2089124)	<0.5	6.96	<1	75	1.4	<1	10.5	<0.5	19	20.8	109	91.8	8.08	43
155636 (2089125)	<0.5	7.37	<1	105	1.2	<1	6.40	<0.5	25	45.5	72.8	237	9.48	34
155637 (2089126)	<0.5	7.32	<1	89	1.0	<1	5.22	<0.5	19	47.5	53.4	225	8.78	30
155638 (2089127)	<0.5	7.34	<1	73	0.8	<1	5.51	<0.5	20	45.7	61.8	124	8.69	30
155639 (2089128)	<0.5	6.76	<1	262	0.9	<1	5.79	<0.5	33	43.5	151	145	8.20	28
155640 (2089129)	<0.5	6.81	<1	270	0.9	<1	6.02	<0.5	30	43.0	159	139	8.34	26
155641 (2089130)	<0.5	7.03	<1	311	0.9	<1	5.11	<0.5	21	43.3	57.5	126	8.20	28
155642 (2089131)	<0.5	7.26	<1	96	0.8	<1	6.13	<0.5	21	39.4	68.4	94.2	8.28	31
155643 (2089132)	<0.5	7.21	<1	111	0.9	<1	5.54	<0.5	20	46.3	71.7	149	9.15	28
155644 (2089133)	<0.5	7.29	<1	168	0.8	<1	6.46	<0.5	21	43.2	83.6	82.8	8.47	27
155645 (2089134)	<0.5	7.19	2	98	0.8	<1	5.96	<0.5	23	46.8	65.8	60.0	8.62	28
155646 (2089135)	<0.5	7.47	<1	187	0.9	<1	5.76	<0.5	25	47.1	70.6	137	8.64	28
155647 (2089136)	<0.5	7.32	<1	126	0.8	<1	6.17	<0.5	20	45.5	65.0	152	8.52	31
155648 (2089137)	<0.5	7.35	<1	143	0.8	<1	5.52	<0.5	24	43.1	61.2	137	8.63	28

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155649 (2089138)	<0.5	7.10	<1	119	0.8	<1	6.69	<0.5	22	37.5	66.8	97.1	8.39	32
155650 (2089139)	3.3	6.69	<1	279	0.8	<1	4.06	1.7	25	155	260	6520	13.4	28
155651 (2089140)	<0.5	6.72	<1	81	0.9	<1	7.06	<0.5	23	36.5	61.8	122	8.29	29
155652 (2089141)	<0.5	7.08	<1	70	0.9	<1	5.94	<0.5	25	44.1	64.4	108	8.66	27
155653 (2089142)	<0.5	6.92	<1	102	0.8	<1	4.97	<0.5	23	47.6	66.3	101	9.00	26
155654 (2089143)	<0.5	7.39	<1	90	0.8	<1	6.06	<0.5	26	43.4	70.9	125	8.58	31
155655 (2089144)	<0.5	7.69	<1	189	1.0	<1	5.40	<0.5	25	51.7	74.8	94.1	10.0	29
155656 (2089145)	<0.5	6.85	<1	44	0.9	<1	5.69	<0.5	24	47.8	79.2	80.7	8.80	27

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155585 (2089074)	<1	0.67	7	17	3.58	1420	2.6	1.58	75.5	246	<1	20	0.01	<1
155586 (2089075)	<1	0.67	7	20	3.68	1410	2.4	1.74	68.2	291	<1	20	<0.01	<1
155587 (2089076)	<1	0.65	7	20	3.74	1430	2.2	1.72	69.7	296	<1	18	<0.01	<1
155588 (2089077)	<1	0.57	7	18	3.69	1350	2.2	1.75	67.2	244	<1	17	0.01	<1
155589 (2089078)	<1	0.65	6	18	3.77	1430	2.2	1.62	69.3	243	<1	19	0.03	<1
155590 (2089079)	<1	0.64	11	14	3.87	1120	2.7	1.77	8900	555	14	15	2.49	<1
155591 (2089080)	<1	0.51	8	18	3.74	1420	2.1	1.71	65.4	307	<1	15	0.02	<1
155592 (2089081)	<1	0.52	7	16	3.56	1360	2.4	1.63	64.5	255	<1	16	0.02	<1
155593 (2089082)	<1	0.51	6	16	3.62	1390	1.9	1.68	63.9	222	<1	15	0.01	<1
155594 (2089083)	<1	0.59	5	16	3.80	1450	2.4	1.62	64.5	198	<1	19	0.02	<1
155595 (2089084)	<1	0.61	6	16	3.30	1330	1.7	1.65	59.2	239	<1	19	0.02	<1
155596 (2089085)	<1	0.53	6	16	3.62	1380	2.6	1.86	57.0	211	<1	16	0.01	<1
155597 (2089086)	<1	0.56	6	16	3.76	1470	1.8	1.62	63.6	215	<1	17	0.03	<1
155598 (2089087)	<1	0.65	7	18	3.59	1480	2.0	1.50	67.3	264	<1	20	0.02	<1
155599 (2089088)	<1	0.62	7	18	3.61	1450	4.9	1.70	60.3	263	<1	19	0.02	<1
155600 (2089089)	1	0.01	<2	8	12.4	428	<0.5	0.02	1.3	20	1	<10	0.02	<1
155601 (2089090)	<1	0.76	7	21	3.50	1480	2.3	1.62	63.1	254	<1	22	0.02	<1
155602 (2089091)	<1	0.85	7	19	3.46	1510	1.8	1.50	66.8	259	<1	28	0.02	<1
155603 (2089092)	<1	0.35	7	19	3.69	1500	1.4	2.32	64.1	279	<1	<10	0.02	<1
155604 (2089093)	<1	0.23	8	17	3.55	1420	2.1	2.56	56.0	304	<1	<10	0.04	<1
155605 (2089094)	<1	0.33	9	19	3.53	1460	2.2	2.30	58.5	352	<1	<10	0.03	<1
155606 (2089095)	<1	0.46	8	18	3.56	1460	2.4	2.10	55.0	291	<1	14	<0.01	<1
155607 (2089096)	<1	0.31	7	19	3.78	1440	1.5	2.47	61.3	285	<1	<10	<0.01	<1
155608 (2089097)	<1	0.28	9	20	3.62	1350	1.4	2.24	60.2	166	<1	<10	<0.01	<1
155609 (2089098)	<1	0.62	5	18	1.88	853	4.4	3.26	31.9	200	<1	16	<0.01	<1
155610 (2089099)	<1	0.33	7	16	3.53	1440	2.1	2.57	60.3	271	<1	<10	0.02	<1
155611 (2089100)	<1	0.27	7	15	3.43	1370	1.9	2.48	57.3	269	<1	<10	0.02	<1
155612 (2089101)	<1	0.24	9	16	3.55	1380	2.3	2.62	64.1	319	<1	<10	0.02	<1
155613 (2089102)	<1	0.38	11	19	3.73	1280	2.2	2.80	72.9	435	<1	<10	0.02	<1
155614 (2089103)	<1	0.29	7	15	3.47	1310	2.3	2.08	63.5	250	<1	<10	<0.01	<1
155615 (2089104)	<1	0.45	7	20	3.63	1250	2.4	3.12	65.2	285	<1	12	0.02	<1
155616 (2089105)	<1	0.34	7	18	3.75	1260	2.0	2.85	62.2	280	<1	<10	0.01	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155617 (2089106)	<1	0.36	7	19	3.73	1200	1.7	2.85	62.2	263	<1	<10	0.01	<1
155618 (2089107)	<1	0.53	9	23	4.19	1220	2.3	2.42	78.9	342	<1	13	0.02	<1
155619 (2089108)	<1	0.82	7	22	3.79	1220	2.2	2.16	65.0	253	<1	25	0.02	<1
155620 (2089109)	<1	0.64	11	14	3.91	1120	3.1	1.81	8830	553	14	15	2.54	<1
155621 (2089110)	<1	0.33	6	15	3.39	1260	3.6	2.07	64.6	256	<1	<10	0.02	<1
155622 (2089111)	<1	0.42	8	20	3.96	1310	1.7	3.14	67.5	308	<1	11	0.01	<1
155623 (2089112)	<1	0.30	7	17	3.75	1270	1.9	2.77	69.4	256	<1	<10	0.02	<1
155624 (2089113)	<1	0.44	8	16	3.61	1290	2.6	2.53	66.8	314	<1	12	0.02	<1
155625 (2089114)	<1	0.24	7	17	3.63	1220	1.7	3.03	68.2	283	<1	<10	0.02	<1
155626 (2089115)	<1	0.25	8	18	3.62	1290	1.9	2.62	67.6	296	<1	<10	0.02	<1
155627 (2089116)	<1	0.60	14	16	3.24	1250	2.1	2.39	55.0	465	<1	13	0.02	<1
155628 (2089117)	<1	0.48	9	20	3.69	1380	2.3	2.82	66.6	317	<1	14	0.01	<1
155629 (2089118)	<1	0.37	7	18	3.48	1340	2.3	2.70	73.3	278	<1	<10	0.01	<1
155630 (2089119)	2	0.01	<2	8	12.7	413	0.6	0.04	1.4	32	<1	<10	<0.01	<1
155631 (2089120)	<1	0.78	8	21	3.77	1430	1.3	2.31	68.0	313	<1	24	0.02	<1
155632 (2089121)	<1	1.85	18	15	2.35	906	6.7	2.15	45.2	218	<1	30	0.01	<1
155633 (2089122)	<1	2.34	37	5	0.53	313	11.9	1.92	9.4	295	<1	27	<0.01	<1
155634 (2089123)	<1	0.67	17	20	2.71	1100	7.0	1.92	52.1	278	<1	17	<0.01	<1
155635 (2089124)	<1	0.23	9	8	2.27	1140	7.2	0.43	37.8	269	<1	<10	<0.01	<1
155636 (2089125)	<1	0.33	11	28	3.98	1420	2.7	1.96	70.4	264	<1	<10	0.03	<1
155637 (2089126)	<1	0.32	8	19	3.59	1350	2.1	2.74	60.3	295	<1	<10	0.03	<1
155638 (2089127)	<1	0.25	9	20	3.65	1360	2.5	2.68	58.1	325	<1	<10	0.02	<1
155639 (2089128)	<1	0.56	14	23	4.04	1370	2.5	2.37	85.2	596	<1	14	0.03	<1
155640 (2089129)	<1	0.57	13	23	4.22	1420	2.4	2.47	88.5	583	<1	13	0.03	<1
155641 (2089130)	<1	0.88	10	23	3.56	1360	2.1	2.31	58.1	386	<1	15	0.01	<1
155642 (2089131)	<1	0.27	10	17	3.43	1400	2.5	2.53	57.2	333	<1	<10	0.01	<1
155643 (2089132)	<1	0.32	9	22	3.78	1590	1.7	2.36	67.8	328	<1	<10	0.03	<1
155644 (2089133)	<1	0.40	9	18	3.76	1560	2.9	2.25	65.2	332	<1	<10	0.02	<1
155645 (2089134)	<1	0.28	10	21	3.86	1520	1.8	2.37	68.5	358	<1	<10	0.01	<1
155646 (2089135)	<1	0.48	11	23	3.85	1520	2.6	2.27	65.5	399	<1	13	0.03	<1
155647 (2089136)	<1	0.43	9	22	3.67	1430	2.0	2.35	65.5	336	<1	12	0.02	<1
155648 (2089137)	<1	0.45	11	20	3.59	1480	2.2	2.28	61.2	418	<1	11	0.02	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155649 (2089138)	<1	0.39	10	16	3.12	1390	2.9	1.90	52.5	345	<1	11	0.01	<1
155650 (2089139)	<1	0.65	11	14	3.95	1130	2.8	1.83	8890	557	13	15	2.60	<1
155651 (2089140)	<1	0.24	10	10	3.12	1430	2.6	2.22	58.2	381	<1	<10	0.08	<1
155652 (2089141)	<1	0.24	11	15	3.56	1430	2.0	2.77	61.6	437	<1	<10	0.06	<1
155653 (2089142)	<1	0.38	10	19	3.57	1420	2.3	2.57	64.2	388	<1	12	0.08	<1
155654 (2089143)	<1	0.31	12	19	3.46	1380	2.8	2.24	61.7	412	<1	<10	0.05	<1
155655 (2089144)	<1	0.68	11	26	4.05	1580	2.3	2.15	76.2	419	<1	24	0.03	<1
155656 (2089145)	<1	0.16	11	16	3.61	1460	3.2	2.48	68.5	440	20	<10	0.10	<1

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155585 (2089074)	40	<10	<5	188	<10	<10	<5	0.59	<5	<5	515	<1	13	87.4
155586 (2089075)	40	<10	<5	189	<10	<10	<5	0.56	<5	<5	466	<1	14	83.6
155587 (2089076)	39	<10	<5	180	<10	<10	<5	0.53	<5	<5	485	<1	13	87.6
155588 (2089077)	40	<10	<5	187	<10	<10	<5	0.45	<5	<5	398	<1	13	84.5
155589 (2089078)	41	<10	<5	187	<10	<10	<5	0.65	<5	<5	530	<1	13	86.6
155590 (2089079)	11	<10	6	287	<10	<10	<5	0.60	<5	<5	107	12	11	112
155591 (2089080)	39	<10	<5	173	<10	<10	<5	0.54	<5	<5	418	<1	15	86.6
155592 (2089081)	41	<10	<5	197	<10	<10	<5	0.47	<5	<5	394	<1	13	83.0
155593 (2089082)	41	<10	<5	204	<10	<10	<5	0.49	<5	<5	395	<1	12	83.7
155594 (2089083)	42	<10	<5	199	<10	<10	<5	0.52	<5	<5	411	<1	12	85.8
155595 (2089084)	39	<10	<5	206	<10	<10	<5	0.50	<5	<5	380	<1	12	81.3
155596 (2089085)	40	<10	<5	202	<10	<10	<5	0.39	<5	<5	286	<1	12	86.5
155597 (2089086)	41	<10	<5	198	<10	<10	<5	0.59	<5	<5	394	<1	12	90.1
155598 (2089087)	42	<10	<5	182	<10	<10	<5	0.64	<5	<5	426	<1	14	88.4
155599 (2089088)	42	<10	<5	198	<10	<10	<5	0.53	<5	<5	339	<1	14	88.5
155600 (2089089)	<1	<10	<5	126	<10	<10	<5	<0.01	<5	<5	3.5	<1	<1	9.3
155601 (2089090)	41	<10	<5	203	<10	<10	<5	0.76	<5	<5	473	<1	14	93.5
155602 (2089091)	41	<10	<5	199	<10	<10	<5	0.72	<5	<5	456	<1	14	92.9
155603 (2089092)	42	<10	<5	140	<10	<10	<5	0.62	<5	<5	404	<1	15	96.0
155604 (2089093)	39	<10	<5	156	<10	<10	<5	0.63	<5	<5	375	<1	15	87.2
155605 (2089094)	39	<10	<5	173	<10	<10	<5	0.69	<5	<5	421	<1	16	90.2
155606 (2089095)	38	<10	<5	200	<10	<10	<5	0.47	<5	<5	267	<1	15	92.0
155607 (2089096)	38	<10	<5	161	<10	<10	<5	0.44	<5	<5	263	<1	14	91.6
155608 (2089097)	34	<10	<5	224	<10	<10	<5	0.35	<5	<5	231	<1	14	82.6
155609 (2089098)	21	<10	<5	343	<10	<10	<5	0.32	<5	<5	186	<1	9	51.6
155610 (2089099)	43	<10	<5	164	<10	<10	<5	0.65	<5	<5	384	<1	15	87.4
155611 (2089100)	41	<10	<5	139	<10	<10	<5	0.58	<5	<5	357	<1	15	83.4
155612 (2089101)	41	<10	<5	127	<10	<10	<5	0.70	<5	<5	386	<1	16	85.6
155613 (2089102)	37	<10	<5	127	<10	<10	<5	0.69	<5	<5	349	<1	17	83.2
155614 (2089103)	41	<10	<5	338	<10	<10	<5	0.44	<5	<5	286	<1	14	75.8
155615 (2089104)	40	<10	<5	105	<10	<10	<5	0.52	<5	<5	324	<1	15	83.9
155616 (2089105)	37	<10	<5	122	<10	<10	<5	0.47	<5	<5	278	<1	14	85.9

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155617 (2089106)	37	<10	<5	149	<10	<10	<5	0.38	<5	<5	239	<1	13	80.7
155618 (2089107)	37	<10	<5	200	<10	<10	<5	0.38	<5	<5	216	<1	14	87.0
155619 (2089108)	37	<10	<5	237	<10	<10	<5	0.35	<5	<5	220	<1	13	85.3
155620 (2089109)	11	<10	<5	291	<10	<10	<5	0.60	<5	<5	105	12	11	112
155621 (2089110)	38	<10	<5	694	<10	<10	<5	0.50	<5	<5	324	<1	12	73.3
155622 (2089111)	39	<10	<5	166	<10	<10	<5	0.47	<5	<5	303	<1	14	87.5
155623 (2089112)	40	<10	<5	151	<10	<10	<5	0.43	<5	<5	327	<1	14	79.7
155624 (2089113)	38	<10	<5	166	<10	<10	<5	0.49	<5	<5	319	<1	14	78.8
155625 (2089114)	38	<10	<5	113	<10	<10	<5	0.43	<5	<5	270	<1	13	78.3
155626 (2089115)	38	<10	<5	260	<10	<10	<5	0.51	<5	<5	306	<1	15	80.5
155627 (2089116)	34	<10	<5	193	<10	<10	<5	0.50	<5	<5	292	<1	20	74.8
155628 (2089117)	38	<10	<5	174	<10	<10	<5	0.52	<5	<5	314	<1	15	84.9
155629 (2089118)	40	<10	<5	147	<10	<10	<5	0.61	<5	<5	426	<1	14	78.2
155630 (2089119)	<1	<10	<5	117	<10	<10	<5	<0.01	<5	<5	3.5	<1	<1	12.6
155631 (2089120)	40	<10	<5	169	<10	<10	<5	0.74	<5	<5	519	<1	15	86.6
155632 (2089121)	27	<10	<5	178	<10	<10	<5	0.47	<5	<5	312	<1	28	55.9
155633 (2089122)	9	<10	<5	273	<10	<10	10	0.25	<5	<5	48.0	<1	52	17.8
155634 (2089123)	32	<10	<5	331	<10	<10	<5	0.49	<5	<5	338	<1	24	67.7
155635 (2089124)	36	<10	<5	478	<10	<10	<5	0.60	<5	<5	426	<1	15	50.3
155636 (2089125)	39	<10	<5	208	<10	<10	<5	0.67	<5	<5	483	<1	15	92.5
155637 (2089126)	38	<10	<5	124	<10	<10	<5	0.65	<5	<5	421	<1	15	80.6
155638 (2089127)	38	<10	<5	128	<10	<10	<5	0.51	<5	<5	335	<1	16	80.5
155639 (2089128)	37	<10	<5	221	<10	<10	<5	0.59	<5	<5	306	<1	18	80.5
155640 (2089129)	37	<10	<5	226	<10	<10	<5	0.66	<5	<5	311	<1	16	80.6
155641 (2089130)	37	<10	<5	161	<10	<10	<5	0.48	<5	<5	277	<1	16	83.5
155642 (2089131)	35	<10	<5	202	<10	<10	<5	0.56	<5	<5	277	<1	16	77.2
155643 (2089132)	38	<10	<5	159	<10	<10	<5	0.51	<5	<5	264	<1	16	92.8
155644 (2089133)	38	<10	<5	183	<10	<10	<5	0.51	<5	<5	268	<1	16	85.1
155645 (2089134)	39	<10	<5	200	<10	<10	<5	0.46	<5	<5	278	<1	17	87.6
155646 (2089135)	39	<10	<5	190	<10	<10	<5	0.53	<5	<5	296	<1	18	87.5
155647 (2089136)	37	<10	<5	197	<10	<10	<5	0.52	<5	<5	309	<1	16	82.9
155648 (2089137)	36	<10	<5	179	<10	<10	<5	0.50	<5	<5	311	<1	17	83.1

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155649 (2089138)	31	<10	<5	232	<10	<10	<5	0.39	<5	<5	250	<1	17	74.6
155650 (2089139)	11	<10	<5	295	<10	<10	<5	0.61	<5	<5	106	13	11	114
155651 (2089140)	36	<10	<5	202	<10	<10	<5	0.73	<5	<5	388	<1	17	72.9
155652 (2089141)	38	<10	<5	140	<10	<10	<5	0.58	<5	<5	300	<1	15	88.6
155653 (2089142)	38	<10	<5	123	<10	<10	<5	0.58	<5	<5	293	<1	15	93.5
155654 (2089143)	36	<10	<5	213	<10	<10	<5	0.50	<5	<5	297	<1	20	86.4
155655 (2089144)	42	<10	<5	161	<10	<10	<5	0.65	<5	<5	334	<1	18	108
155656 (2089145)	41	<10	<5	135	<10	<10	<5	0.71	<5	<5	326	<1	15	123

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155585 (2089074)	34
155586 (2089075)	41
155587 (2089076)	43
155588 (2089077)	37
155589 (2089078)	37
155590 (2089079)	47
155591 (2089080)	44
155592 (2089081)	35
155593 (2089082)	31
155594 (2089083)	31
155595 (2089084)	31
155596 (2089085)	30
155597 (2089086)	35
155598 (2089087)	37
155599 (2089088)	36
155600 (2089089)	<5
155601 (2089090)	35
155602 (2089091)	37
155603 (2089092)	37
155604 (2089093)	46
155605 (2089094)	44
155606 (2089095)	39
155607 (2089096)	39
155608 (2089097)	27
155609 (2089098)	28
155610 (2089099)	37
155611 (2089100)	43
155612 (2089101)	47
155613 (2089102)	58
155614 (2089103)	37
155615 (2089104)	44
155616 (2089105)	37

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155617 (2089106)	37
155618 (2089107)	41
155619 (2089108)	36
155620 (2089109)	45
155621 (2089110)	30
155622 (2089111)	42
155623 (2089112)	35
155624 (2089113)	34
155625 (2089114)	40
155626 (2089115)	42
155627 (2089116)	72
155628 (2089117)	43
155629 (2089118)	38
155630 (2089119)	<5
155631 (2089120)	45
155632 (2089121)	112
155633 (2089122)	177
155634 (2089123)	93
155635 (2089124)	37
155636 (2089125)	35
155637 (2089126)	42
155638 (2089127)	47
155639 (2089128)	65
155640 (2089129)	61
155641 (2089130)	48
155642 (2089131)	42
155643 (2089132)	51
155644 (2089133)	46
155645 (2089134)	49
155646 (2089135)	59
155647 (2089136)	41
155648 (2089137)	61

Certified By:

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155649 (2089138)	45
155650 (2089139)	44
155651 (2089140)	54
155652 (2089141)	62
155653 (2089142)	55
155654 (2089143)	56
155655 (2089144)	54
155656 (2089145)	53

Comments: RDL - Reported Detection Limit

2089074-2089145 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155585 (2089074)	3	29	68
155586 (2089075)	5	156	181
155587 (2089076)	5	200	165
155588 (2089077)	42	28	37
155589 (2089078)	13	30	31
155590 (2089079)	175	1290	655
155591 (2089080)	8	29	26
155592 (2089081)	5	25	26
155593 (2089082)	6	22	26
155594 (2089083)	6	27	30
155595 (2089084)	9	25	28
155596 (2089085)	4	16	17
155597 (2089086)	7	23	23
155598 (2089087)	6	25	24
155599 (2089088)	4	28	34
155600 (2089089)	<1	<1	<5
155601 (2089090)	7	40	38
155602 (2089091)	7	54	32
155603 (2089092)	5	41	45
155604 (2089093)	10	19	28
155605 (2089094)	9	29	28
155606 (2089095)	4	15	17
155607 (2089096)	3	15	16
155608 (2089097)	3	16	15
155609 (2089098)	4	77	18
155610 (2089099)	6	27	36
155611 (2089100)	5	28	33
155612 (2089101)	6	22	17
155613 (2089102)	8	20	23
155614 (2089103)	2	20	22
155615 (2089104)	5	41	38
155616 (2089105)	4	24	28

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155617 (2089106)	4	15	17
155618 (2089107)	3	11	12
155619 (2089108)	3	14	16
155620 (2089109)	200	1330	655
155621 (2089110)	6	30	34
155622 (2089111)	6	36	58
155623 (2089112)	4	35	49
155624 (2089113)	4	18	24
155625 (2089114)	3	17	18
155626 (2089115)	4	16	23
155627 (2089116)	4	20	28
155628 (2089117)	3	19	18
155629 (2089118)	11	63	59
155630 (2089119)	<1	1	<5
155631 (2089120)	12	76	80
155632 (2089121)	7	45	47
155633 (2089122)	<1	3	7
155634 (2089123)	5	33	43
155635 (2089124)	16	26	32
155636 (2089125)	7	16	32
155637 (2089126)	5	9	17
155638 (2089127)	3	13	23
155639 (2089128)	4	13	12
155640 (2089129)	3	13	17
155641 (2089130)	3	13	10
155642 (2089131)	6	16	16
155643 (2089132)	4	21	16
155644 (2089133)	3	18	16
155645 (2089134)	2	19	20
155646 (2089135)	3	19	18
155647 (2089136)	4	18	20
155648 (2089137)	4	21	21

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155649 (2089138)	4	14	14
155650 (2089139)	190	1330	670
155651 (2089140)	9	26	32
155652 (2089141)	6	22	27
155653 (2089142)	2	23	16
155654 (2089143)	4	26	22
155655 (2089144)	9	27	22
155656 (2089145)	4	28	23

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155585 (2089074)	76.2
155604 (2089093)	79.5
155624 (2089113)	75.2
155644 (2089133)	77.5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 21, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155585 (2089074)	88.41
155603 (2089092)	87.50
155622 (2089111)	87.42
155640 (2089129)	87.06

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2089074	< 0.5	< 0.5	0.0%	2089088	< 0.5	< 0.5	0.0%	2089099	< 0.5	< 0.5	0.0%	2089113	< 0.5	< 0.5	0.0%
Al	2089074	6.99	7.06	1.0%	2089088	7.44	7.51	0.9%	2089099	7.33	7.14	2.6%	2089113	7.53	7.40	1.7%
As	2089074	< 1	< 1	0.0%	2089088	< 1	3		2089099	< 1	< 1	0.0%	2089113	< 1	< 1	0.0%
Ba	2089074	258	262	1.5%	2089088	218	223	2.3%	2089099	109	106	2.8%	2089113	151	149	1.3%
Be	2089074	1.0	1.0	0.0%	2089088	0.8	0.8	0.0%	2089099	0.9	0.9	0.0%	2089113	0.8	0.8	0.0%
Bi	2089074	< 1	< 1	0.0%	2089088	< 1	< 1	0.0%	2089099	< 1	< 1	0.0%	2089113	< 1	< 1	0.0%
Ca	2089074	6.94	6.98	0.6%	2089088	7.13	7.26	1.8%	2089099	5.96	5.82	2.4%	2089113	6.59	6.49	1.5%
Cd	2089074	< 0.5	< 0.5	0.0%	2089088	< 0.5	< 0.5	0.0%	2089099	< 0.5	< 0.5	0.0%	2089113	< 0.5	< 0.5	0.0%
Ce	2089074	15	15	0.0%	2089088	15	16	6.5%	2089099	17	17	0.0%	2089113	17	17	0.0%
Co	2089074	49.8	50.6	1.6%	2089088	49.1	49.7	1.2%	2089099	47.2	46.9	0.6%	2089113	44.8	44.0	1.8%
Cr	2089074	48.6	52.6	7.9%	2089088	79.7	66.8	17.6%	2089099	46.7	38.4	19.5%	2089113	56.6	53.9	4.9%
Cu	2089074	103	106	2.9%	2089088	141	147	4.2%	2089099	182	174	4.5%	2089113	121	117	3.4%
Fe	2089074	9.12	9.23	1.2%	2089088	9.00	9.04	0.4%	2089099	9.24	8.78	5.1%	2089113	8.30	8.16	1.7%
Ga	2089074	30	31	3.3%	2089088	31	30	3.3%	2089099	30	29	3.4%	2089113	32	32	0.0%
In	2089074	< 1	< 1	0.0%	2089088	< 1	< 1	0.0%	2089099	< 1	< 1	0.0%	2089113	< 1	< 1	0.0%
K	2089074	0.67	0.68	1.5%	2089088	0.620	0.628	1.3%	2089099	0.327	0.323	1.2%	2089113	0.437	0.429	1.8%
La	2089074	7	7	0.0%	2089088	7	7	0.0%	2089099	7	7	0.0%	2089113	8	8	0.0%
Li	2089074	17	17	0.0%	2089088	18	18	0.0%	2089099	16	16	0.0%	2089113	16	15	6.5%
Mg	2089074	3.58	3.63	1.4%	2089088	3.61	3.64	0.8%	2089099	3.53	3.44	2.6%	2089113	3.61	3.55	1.7%
Mn	2089074	1420	1440	1.4%	2089088	1450	1460	0.7%	2089099	1440	1400	2.8%	2089113	1290	1270	1.6%
Mo	2089074	2.6	2.9	10.9%	2089088	4.9	4.4	10.8%	2089099	2.11	1.83	14.2%	2089113	2.6	2.3	12.2%
Na	2089074	1.58	1.60	1.3%	2089088	1.70	1.73	1.7%	2089099	2.57	2.51	2.4%	2089113	2.53	2.48	2.0%
Ni	2089074	75.5	76.2	0.9%	2089088	60.3	63.8	5.6%	2089099	60.3	59.2	1.8%	2089113	66.8	65.3	2.3%
P	2089074	246	246	0.0%	2089088	263	252	4.3%	2089099	271	274	1.1%	2089113	314	308	1.9%
Pb	2089074	< 1	< 1	0.0%	2089088	< 1	< 1	0.0%	2089099	< 1	< 1	0.0%	2089113	< 1	< 1	0.0%
Rb	2089074	20	20	0.0%	2089088	19	20	5.1%	2089099	< 10	< 10	0.0%	2089113	12	11	8.7%
S	2089074	0.01	0.01	0.0%	2089088	0.02	0.02	0.0%	2089099	0.02	0.02	0.0%	2089113	0.02	0.02	0.0%
Sb	2089074	< 1	< 1	0.0%	2089088	< 1	< 1	0.0%	2089099	< 1	< 1	0.0%	2089113	< 1	< 1	0.0%
Sc	2089074	40	41	2.5%	2089088	42	43	2.4%	2089099	43	42	2.4%	2089113	38	38	0.0%
Se	2089074	< 10	< 10	0.0%	2089088	< 10	< 10	0.0%	2089099	< 10	< 10	0.0%	2089113	< 10	< 10	0.0%
Sn	2089074	< 5	< 5	0.0%	2089088	< 5	< 5	0.0%	2089099	< 5	< 5	0.0%	2089113	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2089074	188	188	0.0%	2089088	198	203	2.5%	2089099	164	161	1.8%	2089113	166	163	1.8%
Ta	2089074	< 10	< 10	0.0%	2089088	< 10	< 10	0.0%	2089099	< 10	< 10	0.0%	2089113	< 10	< 10	0.0%
Te	2089074	< 10	< 10	0.0%	2089088	< 10	< 10	0.0%	2089099	< 10	< 10	0.0%	2089113	< 10	< 10	0.0%
Th	2089074	< 5	< 5	0.0%	2089088	< 5	< 5	0.0%	2089099	< 5	< 5	0.0%	2089113	< 5	< 5	0.0%
Ti	2089074	0.591	0.611	3.3%	2089088	0.53	0.54	1.9%	2089099	0.646	0.619	4.3%	2089113	0.49	0.48	2.1%
Tl	2089074	< 5	< 5	0.0%	2089088	< 5	< 5	0.0%	2089099	< 5	< 5	0.0%	2089113	< 5	< 5	0.0%
U	2089074	< 5	< 5	0.0%	2089088	< 5	< 5	0.0%	2089099	< 5	< 5	0.0%	2089113	< 5	< 5	0.0%
V	2089074	515	524	1.7%	2089088	339	346	2.0%	2089099	384	377	1.8%	2089113	319	317	0.6%
W	2089074	< 1	< 1	0.0%	2089088	< 1	< 1	0.0%	2089099	< 1	< 1	0.0%	2089113	< 1	< 1	0.0%
Y	2089074	13	14	7.4%	2089088	14	14	0.0%	2089099	15	15	0.0%	2089113	14	14	0.0%
Zn	2089074	87.4	90.8	3.8%	2089088	88.5	89.9	1.6%	2089099	87.4	84.2	3.7%	2089113	78.8	76.5	3.0%
Zr	2089074	34	42	21.1%	2089088	36	39	8.0%	2089099	37	41	10.3%	2089113	34	32	6.1%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2089124	< 0.5	< 0.5	0.0%	2089138	< 0.5	< 0.5	0.0%								
Al	2089124	6.96	6.83	1.9%	2089138	7.10	6.98	1.7%								
As	2089124	< 1	< 1	0.0%	2089138	< 1	< 1	0.0%								
Ba	2089124	75	74	1.3%	2089138	119	118	0.8%								
Be	2089124	1.36	1.35	0.7%	2089138	0.8	0.8	0.0%								
Bi	2089124	< 1	< 1	0.0%	2089138	< 1	< 1	0.0%								
Ca	2089124	10.5	10.5	0.0%	2089138	6.69	6.64	0.8%								
Cd	2089124	< 0.5	< 0.5	0.0%	2089138	< 0.5	< 0.5	0.0%								
Ce	2089124	19	19	0.0%	2089138	22	22	0.0%								
Co	2089124	20.8	20.4	1.9%	2089138	37.5	38.7	3.1%								
Cr	2089124	109	105	3.7%	2089138	66.8	70.4	5.2%								
Cu	2089124	91.8	82.0	11.3%	2089138	97.1	98.5	1.4%								
Fe	2089124	8.08	7.94	1.7%	2089138	8.39	8.28	1.3%								
Ga	2089124	43	42	2.4%	2089138	32	33	3.1%								
In	2089124	< 1	< 1	0.0%	2089138	< 1	< 1	0.0%								
K	2089124	0.23	0.23	0.0%	2089138	0.39	0.39	0.0%								
La	2089124	9	9	0.0%	2089138	10	10	0.0%								
Li	2089124	8	8	0.0%	2089138	16	15	6.5%								
Mg	2089124	2.27	2.24	1.3%	2089138	3.12	3.07	1.6%								
Mn	2089124	1140	1130	0.9%	2089138	1390	1370	1.4%								

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2089124	7.16	6.61	8.0%	2089138	2.92	3.49	17.8%								
Na	2089124	0.43	0.43	0.0%	2089138	1.90	1.88	1.1%								
Ni	2089124	37.8	37.6	0.5%	2089138	52.5	54.4	3.6%								
P	2089124	269	273	1.5%	2089138	345	336	2.6%								
Pb	2089124	< 1	< 1	0.0%	2089138	< 1	< 1	0.0%								
Rb	2089124	< 10	< 10	0.0%	2089138	11	11	0.0%								
S	2089124	< 0.01	< 0.01	0.0%	2089138	0.01	0.01	0.0%								
Sb	2089124	< 1	< 1	0.0%	2089138	< 1	< 1	0.0%								
Sc	2089124	36	35	2.8%	2089138	31	30	3.3%								
Se	2089124	< 10	< 10	0.0%	2089138	< 10	< 10	0.0%								
Sn	2089124	< 5	< 5	0.0%	2089138	< 5	< 5	0.0%								
Sr	2089124	478	476	0.4%	2089138	232	229	1.3%								
Ta	2089124	< 10	< 10	0.0%	2089138	< 10	< 10	0.0%								
Te	2089124	< 10	< 10	0.0%	2089138	< 10	< 10	0.0%								
Th	2089124	< 5	< 5	0.0%	2089138	< 5	< 5	0.0%								
Ti	2089124	0.60	0.60	0.0%	2089138	0.391	0.384	1.8%								
Tl	2089124	< 5	< 5	0.0%	2089138	< 5	< 5	0.0%								
U	2089124	< 5	< 5	0.0%	2089138	< 5	< 5	0.0%								
V	2089124	426	418	1.9%	2089138	250	248	0.8%								
W	2089124	< 1	< 1	0.0%	2089138	< 1	< 1	0.0%								
Y	2089124	15	15	0.0%	2089138	17	16	6.1%								
Zn	2089124	50.3	51.6	2.6%	2089138	74.6	73.5	1.5%								
Zr	2089124	37	37	0.0%	2089138	45	46	2.2%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2089074	3	4	28.6%	2089088	4	4	0.0%	2089099	6	5	18.2%	2089113	4	5	22.2%
Pd	2089074	29	31	6.7%	2089088	28	30	6.9%	2089099	27	28	3.6%	2089113	18	19	5.4%
Pt	2089074	68	75	9.8%	2089088	34	35	2.9%	2089099	36	35	2.8%	2089113	24	23	4.3%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2089124	16	9		2089138	4	4	0.0%								
Pd	2089124	26	25	3.9%	2089138	14	14	0.0%								
Pt	2089124	32	33	3.1%	2089138	14	19									

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.18	105%	90% - 110%				
Al	8.47	7.93	94%	90% - 110%	6.96	6.88	99%	90% - 110%	4.75	4.54	96%	90% - 110%	8.47	8.38	99%	90% - 110%
As	26	27	102%	90% - 110%	124	123	99%	90% - 110%					26	28	108%	90% - 110%
Ba	540	520	96%	90% - 110%	186	189	102%	90% - 110%	216	221	102%	90% - 110%	540	543	101%	90% - 110%
Be	4.0	3.2	81%	90% - 110%									4.0	3.5	87%	90% - 110%
Ca	0.907	0.903	100%	90% - 110%	4.01	3.98	99%	90% - 110%	10	9	91%	90% - 110%	0.907	0.946	104%	90% - 110%
Ce	98	97	99%	90% - 110%	24	22	91%	90% - 110%					98	96	98%	90% - 110%
Co	13	13	100%	90% - 110%	22.1	20.5	93%	90% - 110%	191	172	90%	90% - 110%	13	13	100%	90% - 110%
Cr	60.3	62.7	104%	90% - 110%					670	622	93%	90% - 110%	60.3	59.6	99%	90% - 110%
Cu	150	148	98%	90% - 110%	88.6	87	98%	90% - 110%	7120	6634	93%	90% - 110%	150	154	103%	90% - 110%
Fe	3.77	3.69	98%	90% - 110%	7.56	7.35	97%	90% - 110%	12.71	11.51	91%	90% - 110%	3.77	3.86	102%	90% - 110%
K					2.021	2.138	106%	90% - 110%	0.1021	0.1098	108%	90% - 110%				
La	44	44	100%	90% - 110%									44	44	100%	90% - 110%
Li	47	47	101%	90% - 110%									47	51	108%	90% - 110%
Mg	1.10	1.06	96%	90% - 110%	2.412	2.398	99%	90% - 110%	7.41	6.79	92%	90% - 110%	1.10	1.11	101%	90% - 110%
Mn	780	725	93%	90% - 110%	1510	1444	96%	90% - 110%					780	761	98%	90% - 110%
Mo	14	14	100%	90% - 110%									14	13	91%	90% - 110%
Na	1.624	1.616	100%	90% - 110%	0.617	0.629	102%	90% - 110%	0.112	0.123	110%	90% - 110%	1.624	1.688	104%	90% - 110%
Ni	32	33	103%	90% - 110%	77.1	71.7	93%	90% - 110%	2480	2322	93%	90% - 110%	32	34	106%	90% - 110%
P	750	696	93%	90% - 110%	892	855	96%	90% - 110%	731	659	90%	90% - 110%	750	710	95%	90% - 110%
Rb	143	150	105%	90% - 110%									143	152	106%	90% - 110%
S					0.348	0.315	91%	90% - 110%								
Sc	12	12	98%	90% - 110%					21.33	19.81	93%	90% - 110%	12	12	99%	90% - 110%
Sr	144	149	103%	90% - 110%	92.8	91.7	99%	90% - 110%	39	38	97%	90% - 110%	144	156	108%	90% - 110%
Th	18.4	17.8	96%	90% - 110%									18.4	17.1	92%	90% - 110%
Ti	0.53	0.48	91%	90% - 110%					0.419	0.395	94%	90% - 110%	0.53	0.5	95%	90% - 110%
V	77	79	103%	90% - 110%					158	154	98%	90% - 110%	77	81	105%	90% - 110%
W	5	5	90%	90% - 110%									5	5	93%	90% - 110%
Y									12.67	11.69	92%	90% - 110%				
Zn	130	125	96%	90% - 110%	208	208	100%	90% - 110%	112	103	91%	90% - 110%	130	125	96%	90% - 110%
Zr									35.7	33.4	94%	90% - 110%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T709700

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.GS4L)				CRM #4 (ref.TIll-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1899	100%	90% - 110%	1897	1866	98%	90% - 110%	4010	4007	100%	90% - 110%				
Pd	1660	1587	96%	90% - 110%	1660	1629	98%	90% - 110%								
Pt	223	225	101%	90% - 110%	223	235	106%	90% - 110%								

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T709700

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T709700

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
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604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T709824

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Mar 31, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155657 (2089193)	2.68
155658 (2089194)	2.50
155659 (2089195)	2.50
155660 (2089196)	0.70
155661 (2089197)	2.57
155662 (2089198)	2.33
155663 (2089199)	2.45
155664 (2089200)	2.64
155665 (2089201)	2.18
155666 (2089202)	2.40
155667 (2089203)	2.35
155668 (2089204)	2.60
155669 (2089205)	2.48
155670 (2089206)	1.20
155671 (2089207)	1.16
155672 (2089208)	2.67
155673 (2089209)	2.41
155674 (2089210)	2.45
155675 (2089211)	2.47
155676 (2089212)	2.52
155677 (2089213)	2.47
155678 (2089214)	2.36
155679 (2089215)	2.36
155680 (2089216)	0.11
155681 (2089217)	2.44
155682 (2089218)	2.46
155683 (2089219)	2.40
155684 (2089220)	2.35
155685 (2089221)	2.40
155686 (2089222)	2.37
155687 (2089223)	2.43

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155688 (2089224)	2.35
155689 (2089225)	2.39
155690 (2089226)	0.85
155691 (2089227)	2.47
155692 (2089228)	2.37
155693 (2089229)	2.35
155694 (2089230)	2.43
155695 (2089231)	2.47
155696 (2089232)	2.35
155697 (2089233)	2.38
155698 (2089234)	2.35
155699 (2089235)	2.39
155700 (2089236)	2.34
155701 (2089237)	1.14
155702 (2089238)	1.14
155703 (2089239)	2.42
155704 (2089240)	2.40
155705 (2089241)	2.37
155706 (2089242)	2.32
155707 (2089243)	2.29
155708 (2089244)	2.42
155709 (2089245)	2.39
155710 (2089246)	0.11
155711 (2089247)	2.50
155712 (2089248)	2.40
155713 (2089249)	2.47
155714 (2089250)	2.32
155715 (2089251)	2.34
155716 (2089252)	2.45
155717 (2089253)	2.33
155718 (2089254)	2.34

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155719 (2089255)	2.16
155720 (2089256)	0.78
155721 (2089257)	2.15
155722 (2089258)	2.33
155723 (2089259)	2.22
155724 (2089260)	2.44
155725 (2089261)	2.73
155726 (2089262)	2.53
155727 (2089263)	2.39
155728 (2089264)	2.36

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155657 (2089193)	<0.5	6.23	<1	41	<0.5	<1	7.31	<0.5	19	36.9	67.8	201	6.82	16
155658 (2089194)	<0.5	6.45	<1	44	<0.5	<1	8.00	<0.5	25	36.2	69.1	97.0	6.60	17
155659 (2089195)	<0.5	7.15	2	129	0.6	<1	5.63	<0.5	30	47.6	57.8	125	7.91	18
155660 (2089196)	<0.5	0.05	1	1160	<0.5	<1	17.1	<0.5	<1	<0.5	7.5	<0.5	0.06	<5
155661 (2089197)	<0.5	7.13	<1	538	0.9	<1	6.21	<0.5	49	47.2	185	99.2	8.26	18
155662 (2089198)	<0.5	4.43	<1	1850	1.3	<1	8.13	<0.5	112	48.1	505	48.2	6.01	9
155663 (2089199)	<0.5	7.26	<1	139	0.6	<1	5.66	<0.5	28	45.4	67.8	117	8.22	17
155664 (2089200)	<0.5	6.87	<1	100	0.5	<1	6.75	<0.5	27	55.9	60.5	271	7.71	18
155665 (2089201)	<0.5	7.41	<1	193	0.6	<1	6.53	<0.5	23	44.3	58.3	123	8.13	17
155666 (2089202)	<0.5	7.79	<1	169	0.6	<1	6.71	<0.5	23	43.8	71.1	99.9	7.75	19
155667 (2089203)	<0.5	7.90	<1	188	0.6	<1	5.96	<0.5	25	45.8	58.8	118	8.37	19
155668 (2089204)	<0.5	7.00	<1	70	<0.5	<1	7.59	<0.5	19	43.0	52.1	113	7.99	21
155669 (2089205)	<0.5	8.01	<1	99	0.6	<1	5.90	<0.5	23	45.0	55.0	105	8.00	19
155670 (2089206)	<0.5	7.11	<1	53	<0.5	<1	6.98	<0.5	19	46.2	46.9	216	6.30	15
155671 (2089207)	<0.5	7.48	<1	55	<0.5	<1	7.83	<0.5	20	45.4	50.7	171	6.51	14
155672 (2089208)	<0.5	8.57	<1	134	0.5	<1	6.22	<0.5	21	40.8	51.6	107	7.66	19
155673 (2089209)	<0.5	8.09	<1	141	0.6	<1	5.88	<0.5	20	43.5	74.8	65.3	7.71	18
155674 (2089210)	<0.5	7.33	<1	51	<0.5	<1	6.04	<0.5	22	39.8	52.9	95.6	7.98	11
155675 (2089211)	<0.5	7.33	<1	139	<0.5	<1	5.65	<0.5	26	43.7	64.8	84.3	8.64	15
155676 (2089212)	<0.5	7.20	<1	205	<0.5	<1	5.42	<0.5	28	53.2	52.6	480	8.02	15
155677 (2089213)	0.5	8.43	1	202	<0.5	<1	5.92	<0.5	19	75.7	48.4	1030	7.71	14
155678 (2089214)	<0.5	8.13	<1	91	<0.5	<1	5.58	<0.5	24	55.1	50.3	179	8.60	16
155679 (2089215)	<0.5	9.29	<1	244	<0.5	<1	6.22	<0.5	20	43.8	28.6	107	6.90	17
155680 (2089216)	3.3	6.84	<1	280	0.6	<1	4.08	0.8	27	169	249	6970	14.5	<5
155681 (2089217)	<0.5	8.39	<1	148	<0.5	<1	6.47	<0.5	12	58.6	53.4	78.4	8.67	16
155682 (2089218)	<0.5	6.92	<1	45	<0.5	2	5.29	<0.5	11	74.5	41.2	90.2	10.1	10
155683 (2089219)	<0.5	10.3	<1	153	<0.5	<1	6.00	<0.5	10	59.3	40.5	88.3	7.22	16
155684 (2089220)	<0.5	10.9	1	161	<0.5	<1	8.21	<0.5	12	53.6	30.1	115	6.39	15
155685 (2089221)	<0.5	11.6	<1	157	<0.5	<1	7.61	<0.5	5	39.2	123	89.8	4.98	17
155686 (2089222)	0.8	11.3	<1	230	<0.5	<1	7.22	<0.5	4	46.3	204	1250	4.65	15
155687 (2089223)	0.7	11.0	<1	174	<0.5	<1	7.31	<0.5	3	51.6	222	1350	5.62	13
155688 (2089224)	0.7	9.21	<1	145	<0.5	<1	6.16	0.5	9	47.0	194	1300	5.54	12

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155689 (2089225)	2.5	7.79	<1	100	<0.5	<1	5.82	2.0	4	96.4	287	4490	7.49	6
155690 (2089226)	<0.5	0.04	<1	532	<0.5	<1	15.4	<0.5	<1	<0.5	4.1	4.4	0.05	<5
155691 (2089227)	1.5	8.68	<1	131	<0.5	<1	5.80	1.3	3	80.8	185	2560	6.37	8
155692 (2089228)	1.0	8.95	<1	154	<0.5	<1	5.78	0.7	1	62.8	167	1310	5.87	11
155693 (2089229)	0.9	9.66	<1	178	<0.5	<1	6.23	0.6	2	54.5	171	1070	5.50	12
155694 (2089230)	0.8	7.70	<1	83	<0.5	<1	5.63	0.8	2	63.4	207	1170	6.72	8
155695 (2089231)	0.6	9.90	<1	106	<0.5	<1	6.55	<0.5	<1	46.2	168	440	5.26	12
155696 (2089232)	<0.5	9.71	<1	92	<0.5	<1	6.45	<0.5	1	43.9	134	504	4.86	13
155697 (2089233)	<0.5	9.59	<1	81	<0.5	<1	6.39	<0.5	<1	36.9	158	180	4.65	11
155698 (2089234)	<0.5	9.77	<1	79	<0.5	<1	6.67	<0.5	<1	37.4	139	179	4.70	15
155699 (2089235)	1.0	9.04	<1	88	<0.5	<1	6.35	0.7	1	60.2	133	1040	5.31	12
155700 (2089236)	<0.5	8.51	<1	77	<0.5	<1	6.34	<0.5	14	42.5	125	195	6.06	14
155701 (2089237)	1.0	8.97	<1	97	<0.5	<1	6.63	0.5	7	70.8	157	1040	6.30	13
155702 (2089238)	0.8	9.06	<1	96	<0.5	<1	6.61	<0.5	6	50.2	161	838	5.80	13
155703 (2089239)	<0.5	8.56	<1	75	<0.5	<1	5.98	<0.5	2	45.1	182	172	5.53	12
155704 (2089240)	<0.5	8.99	<1	53	<0.5	<1	5.45	<0.5	2	49.3	143	304	6.56	12
155705 (2089241)	<0.5	9.09	<1	63	<0.5	<1	6.10	<0.5	2	52.1	125	289	6.02	13
155706 (2089242)	<0.5	9.26	<1	89	<0.5	<1	6.27	<0.5	3	55.1	107	578	4.90	11
155707 (2089243)	<0.5	10.4	<1	100	<0.5	<1	6.38	<0.5	3	41.8	106	283	4.90	14
155708 (2089244)	0.8	7.64	<1	48	<0.5	<1	5.78	0.8	2	68.5	145	1110	6.25	8
155709 (2089245)	<0.5	8.93	<1	74	<0.5	<1	5.75	<0.5	2	52.4	122	556	6.10	12
155710 (2089246)	3.9	6.25	<1	260	0.6	<1	3.80	0.6	24	157	236	6740	14.3	<5
155711 (2089247)	<0.5	8.82	<1	79	<0.5	<1	6.74	<0.5	<1	39.8	125	179	5.23	12
155712 (2089248)	<0.5	7.48	<1	59	<0.5	<1	5.94	<0.5	<1	34.3	122	65.2	4.59	10
155713 (2089249)	<0.5	8.84	<1	80	<0.5	<1	7.25	<0.5	<1	43.7	150	147	5.32	12
155714 (2089250)	<0.5	8.94	<1	78	<0.5	<1	5.82	<0.5	2	41.6	119	176	5.54	13
155715 (2089251)	<0.5	11.0	<1	176	<0.5	<1	6.59	<0.5	2	33.4	73.3	296	4.22	16
155716 (2089252)	<0.5	8.93	<1	103	<0.5	<1	6.46	<0.5	8	39.6	116	91.4	5.69	15
155717 (2089253)	0.6	6.75	<1	53	<0.5	<1	4.72	<0.5	3	62.6	208	733	7.38	8
155718 (2089254)	<0.5	8.01	<1	106	<0.5	<1	6.39	0.9	1	51.6	172	693	5.33	12
155719 (2089255)	<0.5	7.54	<1	99	<0.5	2	4.16	2.1	1	52.6	125	249	6.76	11
155720 (2089256)	<0.5	0.03	1	859	<0.5	<1	18.2	<0.5	<1	<0.5	4.8	1.8	0.06	<5

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AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155721 (2089257)	<0.5	7.47	<1	90	<0.5	<1	4.69	<0.5	2	50.2	111	132	8.09	15
155722 (2089258)	<0.5	6.28	<1	13	<0.5	<1	4.27	<0.5	5	61.4	163	192	10.3	17
155723 (2089259)	<0.5	5.96	<1	58	<0.5	<1	4.05	<0.5	6	55.7	220	223	8.66	11
155724 (2089260)	1.0	5.72	<1	38	<0.5	<1	4.50	1.2	8	69.0	211	1640	9.03	9
155725 (2089261)	1.3	5.34	<1	17	<0.5	<1	5.27	0.6	27	66.4	170	1780	9.43	14
155726 (2089262)	1.1	6.02	<1	38	<0.5	<1	5.54	0.9	20	70.1	93.0	1930	9.65	13
155727 (2089263)	<0.5	7.51	<1	75	<0.5	<1	4.98	<0.5	6	51.2	178	120	7.14	13
155728 (2089264)	<0.5	7.90	<1	87	<0.5	<1	4.70	<0.5	8	49.0	171	240	6.50	13

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Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155657 (2089193)	<1	0.15	9	5	2.72	1300	<0.5	2.76	44.1	363	3	<10	0.26	<1
155658 (2089194)	<1	0.15	12	6	2.79	1390	<0.5	3.01	48.3	439	10	<10	0.22	<1
155659 (2089195)	<1	0.47	14	16	3.33	1460	<0.5	2.77	61.7	590	5	18	0.17	<1
155660 (2089196)	2	0.02	3	13	12.3	411	<0.5	0.04	0.9	42	2	<10	0.31	<1
155661 (2089197)	<1	0.99	22	29	4.67	1680	<0.5	1.83	110	945	2	38	0.15	<1
155662 (2089198)	<1	2.17	52	39	8.96	1130	0.8	0.69	334	2330	<1	92	0.25	<1
155663 (2089199)	<1	0.46	13	16	3.72	1570	<0.5	2.53	67.7	506	<1	16	0.16	<1
155664 (2089200)	<1	0.31	13	9	3.56	1450	<0.5	2.46	72.9	478	2	<10	0.38	<1
155665 (2089201)	<1	0.52	10	17	3.64	1620	<0.5	2.21	70.7	417	1	14	0.20	<1
155666 (2089202)	<1	0.46	11	17	3.59	1620	<0.5	1.90	74.6	425	1	16	0.14	<1
155667 (2089203)	<1	0.48	11	20	3.80	1650	<0.5	2.29	68.9	436	2	16	0.23	<1
155668 (2089204)	<1	0.20	9	9	3.37	1430	0.7	2.00	61.8	331	<1	<10	0.38	<1
155669 (2089205)	<1	0.27	10	17	3.68	1470	<0.5	2.85	66.5	416	<1	<10	0.23	<1
155670 (2089206)	<1	0.17	9	10	3.00	1160	0.6	3.19	64.2	384	1	<10	0.35	<1
155671 (2089207)	<1	0.19	9	11	3.13	1220	1.4	3.55	63.5	370	<1	<10	0.34	<1
155672 (2089208)	<1	0.31	10	16	3.43	1310	0.9	2.84	60.7	380	1	11	0.21	<1
155673 (2089209)	<1	0.43	8	19	3.93	1440	<0.5	2.49	75.6	361	<1	16	0.14	<1
155674 (2089210)	<1	0.13	10	11	3.87	1370	<0.5	3.17	63.1	442	2	<10	0.18	<1
155675 (2089211)	<1	0.31	12	17	4.14	1460	<0.5	2.42	68.5	490	4	<10	0.15	<1
155676 (2089212)	<1	0.44	13	18	4.15	1360	<0.5	2.07	78.3	520	2	14	0.27	<1
155677 (2089213)	<1	0.55	9	20	4.62	1300	<0.5	2.09	193	392	1	18	0.60	<1
155678 (2089214)	<1	0.23	12	21	5.23	1410	<0.5	2.63	102	432	7	<10	0.28	<1
155679 (2089215)	<1	0.50	10	19	3.78	1120	<0.5	2.36	133	371	2	16	0.18	<1
155680 (2089216)	<1	0.65	12	14	4.11	1200	2.7	1.91	9430	611	42	18	2.64	<1
155681 (2089217)	<1	0.29	6	23	5.22	1390	<0.5	1.48	232	259	1	11	0.20	<1
155682 (2089218)	<1	0.14	5	24	6.35	1510	<0.5	1.09	264	224	4	<10	0.22	<1
155683 (2089219)	<1	0.34	5	22	4.36	1050	<0.5	1.88	227	213	<1	12	0.25	<1
155684 (2089220)	<1	0.47	7	19	4.43	987	<0.5	1.98	171	256	<1	17	0.26	<1
155685 (2089221)	<1	0.55	3	19	4.10	789	<0.5	1.80	142	125	<1	20	0.15	<1
155686 (2089222)	<1	0.57	2	19	4.66	831	<0.5	1.73	349	96	<1	19	0.34	4
155687 (2089223)	<1	0.41	<2	23	5.79	995	<0.5	1.59	459	78	<1	13	0.38	4
155688 (2089224)	<1	0.32	4	21	5.60	984	<0.5	1.48	360	183	<1	11	0.38	1

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AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155689 (2089225)	<1	0.25	2	23	6.49	1130	<0.5	1.19	1200	98	12	<10	1.22	5
155690 (2089226)	<1	0.01	<2	8	11.0	339	<0.5	0.03	2.6	21	2	<10	0.26	1
155691 (2089227)	<1	0.28	<2	23	6.06	1060	<0.5	1.30	860	82	<1	<10	0.85	4
155692 (2089228)	<1	0.29	<2	24	6.24	1060	<0.5	1.32	469	51	<1	<10	0.51	<1
155693 (2089229)	<1	0.35	<2	23	5.78	1000	<0.5	1.47	400	58	<1	11	0.46	2
155694 (2089230)	<1	0.20	<2	27	7.13	1270	<0.5	0.93	459	50	<1	<10	0.47	4
155695 (2089231)	<1	0.24	<2	23	5.75	1030	<0.5	1.38	215	40	<1	<10	0.23	2
155696 (2089232)	<1	0.21	<2	21	5.45	934	<0.5	1.44	228	48	<1	<10	0.26	1
155697 (2089233)	<1	0.18	<2	22	5.35	928	<0.5	1.45	154	44	<1	<10	0.17	<1
155698 (2089234)	<1	0.18	<2	20	5.27	947	<0.5	1.49	134	42	<1	<10	0.16	<1
155699 (2089235)	<1	0.23	<2	20	5.39	1020	<0.5	1.38	410	49	<1	<10	0.43	1
155700 (2089236)	<1	0.17	7	18	5.03	1010	<0.5	1.49	111	295	<1	<10	0.46	<1
155701 (2089237)	<1	0.22	4	18	5.05	979	<0.5	1.53	413	167	<1	<10	0.83	1
155702 (2089238)	<1	0.22	3	19	5.37	1030	<0.5	1.49	218	125	<1	<10	0.44	<1
155703 (2089239)	<1	0.21	<2	24	5.89	1080	<0.5	1.39	162	68	<1	<10	0.15	<1
155704 (2089240)	<1	0.16	<2	30	6.27	1170	<0.5	1.22	212	62	<1	<10	0.15	3
155705 (2089241)	<1	0.21	<2	25	5.64	1100	<0.5	1.24	222	55	<1	<10	0.23	<1
155706 (2089242)	<1	0.29	2	18	4.46	873	<0.5	1.46	276	82	<1	12	0.39	<1
155707 (2089243)	<1	0.33	<2	21	4.43	865	<0.5	1.58	192	68	<1	13	0.24	4
155708 (2089244)	<1	0.19	<2	22	5.77	1130	<0.5	1.05	445	59	<1	<10	0.45	<1
155709 (2089245)	<1	0.31	<2	25	5.46	1160	<0.5	1.37	244	63	<1	13	0.24	3
155710 (2089246)	<1	0.60	11	12	3.77	1100	2.4	1.77	9430	582	39	17	2.28	<1
155711 (2089247)	<1	0.28	<2	17	5.09	1110	<0.5	1.31	126	34	<1	12	0.14	1
155712 (2089248)	<1	0.21	<2	14	4.59	963	<0.5	1.15	96.4	30	<1	<10	0.11	3
155713 (2089249)	<1	0.31	<2	16	5.13	1090	<0.5	1.42	149	45	<1	13	0.16	2
155714 (2089250)	<1	0.32	<2	24	5.27	1100	<0.5	1.44	137	65	<1	12	0.13	<1
155715 (2089251)	<1	0.71	<2	22	3.65	811	<0.5	1.87	154	52	<1	34	0.15	<1
155716 (2089252)	<1	0.40	4	21	4.43	1040	<0.5	1.41	101	169	<1	19	0.18	<1
155717 (2089253)	<1	0.24	<2	29	6.86	1450	<0.5	0.98	319	72	<1	11	0.20	3
155718 (2089254)	<1	0.49	<2	23	4.82	1010	<0.5	1.70	223	41	6	25	0.28	<1
155719 (2089255)	<1	0.52	<2	45	5.46	1130	<0.5	1.18	216	34	80	26	0.20	<1
155720 (2089256)	<1	0.01	3	6	12.3	406	<0.5	0.02	5.1	38	<1	<10	0.29	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155721 (2089257)	<1	0.37	<2	56	6.11	1190	<0.5	0.97	156	58	1	15	0.16	<1
155722 (2089258)	<1	0.04	2	69	6.37	1300	<0.5	0.24	121	45	4	<10	0.24	<1
155723 (2089259)	<1	0.25	2	38	7.26	1410	<0.5	1.06	194	155	<1	12	0.10	<1
155724 (2089260)	<1	0.13	4	24	7.25	1490	<0.5	1.11	420	155	52	<10	0.27	<1
155725 (2089261)	<1	0.06	12	15	5.18	1340	<0.5	0.64	409	433	22	<10	0.38	<1
155726 (2089262)	<1	0.15	9	17	5.44	1350	<0.5	0.83	389	311	7	<10	0.43	<1
155727 (2089263)	<1	0.31	3	26	5.77	1220	<0.5	1.49	166	123	<1	15	0.09	<1
155728 (2089264)	<1	0.35	4	26	5.57	1190	<0.5	1.58	166	147	<1	16	0.10	<1

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DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155657 (2089193)	35	<10	<5	203	<10	<10	<5	0.46	<5	7	276	<1	17	62.7
155658 (2089194)	34	<10	<5	222	<10	<10	<5	0.44	<5	7	255	<1	23	79.5
155659 (2089195)	37	<10	<5	173	<10	<10	<5	0.46	<5	7	219	<1	22	84.6
155660 (2089196)	<1	<10	<5	138	<10	<10	<5	<0.01	<5	6	<0.5	<1	<1	9.1
155661 (2089197)	39	<10	<5	326	<10	<10	<5	0.61	<5	7	261	<1	21	82.5
155662 (2089198)	28	<10	<5	618	<10	<10	<5	0.79	<5	6	161	<1	14	49.1
155663 (2089199)	39	<10	<5	164	<10	<10	<5	0.51	<5	8	260	<1	20	87.7
155664 (2089200)	36	<10	<5	160	<10	<10	<5	0.43	<5	6	263	<1	19	80.1
155665 (2089201)	38	<10	<5	178	<10	<10	<5	0.49	<5	7	255	<1	17	86.8
155666 (2089202)	41	<10	<5	200	<10	<10	<5	0.46	<5	6	259	<1	18	83.9
155667 (2089203)	41	<10	<5	186	<10	<10	<5	0.52	<5	7	290	<1	20	90.2
155668 (2089204)	31	<10	<5	235	<10	<10	<5	0.36	<5	8	224	<1	15	70.0
155669 (2089205)	38	<10	<5	182	<10	<10	<5	0.51	<5	9	272	<1	18	80.0
155670 (2089206)	32	<10	<5	149	<10	<10	<5	0.38	<5	6	228	<1	15	60.7
155671 (2089207)	34	<10	<5	153	<10	<10	<5	0.43	<5	6	236	<1	15	67.6
155672 (2089208)	35	<10	<5	203	<10	<10	<5	0.45	<5	7	264	<1	16	73.5
155673 (2089209)	43	<10	<5	176	<10	<10	<5	0.47	<5	7	291	<1	17	86.3
155674 (2089210)	36	<10	<5	134	<10	<10	<5	0.53	<5	<5	258	<1	17	102
155675 (2089211)	36	<10	<5	138	<10	<10	<5	0.59	<5	<5	250	<1	19	105
155676 (2089212)	35	<10	<5	153	<10	<10	<5	0.51	<5	<5	239	<1	20	106
155677 (2089213)	30	<10	<5	193	<10	10	<5	0.41	<5	6	216	<1	15	110
155678 (2089214)	27	<10	<5	150	<10	10	<5	0.35	<5	<5	190	<1	15	102
155679 (2089215)	26	<10	<5	246	<10	<10	<5	0.39	<5	6	193	<1	14	75.1
155680 (2089216)	11	<10	<5	300	<10	10	<5	0.62	<5	<5	111	2	11	124
155681 (2089217)	27	<10	<5	209	<10	<10	<5	0.30	<5	<5	166	<1	11	92.5
155682 (2089218)	22	<10	<5	106	<10	<10	<5	0.23	<5	<5	140	<1	9	106
155683 (2089219)	16	<10	<5	228	<10	<10	<5	0.23	<5	<5	101	<1	8	72.1
155684 (2089220)	16	<10	<5	286	<10	<10	<5	0.26	<5	7	113	<1	9	63.1
155685 (2089221)	12	<10	<5	288	<10	<10	<5	0.13	<5	5	73.5	<1	5	48.6
155686 (2089222)	16	<10	<5	254	<10	<10	<5	0.11	<5	<5	73.9	<1	4	52.1
155687 (2089223)	19	<10	<5	237	<10	<10	<5	0.11	<5	<5	81.3	<1	3	59.4
155688 (2089224)	22	<10	<5	191	<10	<10	<5	0.18	<5	<5	110	<1	7	57.7

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155689 (2089225)	24	<10	<5	150	<10	<10	<5	0.13	<5	<5	110	<1	5	84.4
155690 (2089226)	<1	<10	<5	93	<10	<10	<5	<0.01	<5	6	<0.5	<1	<1	23.4
155691 (2089227)	20	<10	<5	168	<10	<10	<5	0.12	<5	<5	89.1	<1	3	68.4
155692 (2089228)	20	<10	<5	169	<10	<10	<5	0.09	<5	5	78.5	<1	2	62.6
155693 (2089229)	19	<10	<5	198	<10	<10	<5	0.09	<5	<5	74.9	<1	3	64.2
155694 (2089230)	22	<10	<5	134	<10	<10	<5	0.10	<5	<5	87.2	<1	3	83.3
155695 (2089231)	19	<10	<5	204	<10	<10	<5	0.08	<5	<5	72.9	<1	2	66.0
155696 (2089232)	19	<10	<5	196	<10	<10	<5	0.08	<5	<5	71.7	<1	2	63.4
155697 (2089233)	19	<10	<5	193	<10	<10	<5	0.08	<5	<5	67.2	<1	2	58.0
155698 (2089234)	19	<10	<5	201	<10	<10	<5	0.07	<5	<5	67.9	<1	2	56.0
155699 (2089235)	19	<10	<5	192	<10	<10	<5	0.09	<5	<5	72.4	<1	3	64.3
155700 (2089236)	26	<10	<5	187	<10	<10	<5	0.29	<5	<5	148	<1	11	59.9
155701 (2089237)	22	<10	<5	204	<10	<10	<5	0.19	<5	<5	113	<1	7	73.6
155702 (2089238)	23	<10	<5	200	<10	<10	<5	0.15	<5	<5	110	<1	6	69.3
155703 (2089239)	23	<10	<5	169	<10	<10	<5	0.11	<5	<5	89.6	<1	3	69.3
155704 (2089240)	20	<10	<5	165	<10	<10	<5	0.10	<5	<5	79.5	<1	3	85.4
155705 (2089241)	19	<10	<5	196	<10	<10	<5	0.09	<5	<5	73.2	<1	3	72.4
155706 (2089242)	19	<10	<5	213	<10	<10	<5	0.11	<5	<5	75.6	<1	4	63.2
155707 (2089243)	16	<10	<5	245	<10	<10	<5	0.10	<5	6	66.5	<1	3	60.4
155708 (2089244)	22	<10	<5	159	<10	11	<5	0.10	<5	<5	83.2	<1	3	83.9
155709 (2089245)	20	<10	<5	179	<10	<10	<5	0.09	<5	<5	73.8	<1	3	77.1
155710 (2089246)	11	<10	<5	282	<10	12	<5	0.58	<5	<5	103	<1	10	111
155711 (2089247)	25	<10	<5	195	<10	<10	<5	0.08	<5	<5	76.2	<1	3	62.8
155712 (2089248)	26	<10	<5	157	<10	<10	<5	0.07	<5	<5	79.2	<1	3	50.5
155713 (2089249)	30	<10	<5	209	<10	<10	<5	0.10	<5	<5	96.3	<1	4	55.9
155714 (2089250)	21	<10	<5	187	<10	<10	<5	0.10	<5	<5	80.4	<1	3	62.3
155715 (2089251)	14	<10	<5	276	<10	<10	<5	0.08	<5	<5	56.2	<1	2	49.2
155716 (2089252)	25	<10	<5	253	<10	<10	<5	0.23	<5	<5	133	<1	7	58.4
155717 (2089253)	26	<10	<5	102	<10	10	<5	0.13	<5	<5	103	<1	4	92.3
155718 (2089254)	28	<10	<5	209	<10	<10	<5	0.10	<5	<5	93.5	<1	4	115
155719 (2089255)	20	<10	<5	145	<10	<10	<5	0.08	<5	<5	84.1	<1	3	357
155720 (2089256)	<1	<10	<5	147	<10	<10	<5	<0.01	<5	7	<0.5	<1	<1	13.7

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AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155721 (2089257)	28	<10	<5	135	<10	<10	<5	0.22	<5	<5	166	<1	5	76.1
155722 (2089258)	34	<10	<5	33	<10	<10	<5	0.70	<5	<5	301	<1	7	169
155723 (2089259)	29	<10	<5	64	<10	12	<5	0.21	<5	<5	144	<1	7	96.7
155724 (2089260)	28	<10	<5	81	<10	<10	<5	0.21	<5	<5	148	<1	7	263
155725 (2089261)	30	<10	<5	158	<10	<10	<5	0.47	<5	<5	247	<1	19	123
155726 (2089262)	33	<10	<5	166	<10	<10	<5	0.59	<5	<5	328	<1	15	103
155727 (2089263)	24	<10	<5	185	<10	12	<5	0.16	<5	<5	115	<1	6	70.9
155728 (2089264)	23	<10	<5	179	<10	<10	<5	0.18	<5	<5	119	<1	7	65.4

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155657 (2089193)	46
155658 (2089194)	50
155659 (2089195)	72
155660 (2089196)	<5
155661 (2089197)	95
155662 (2089198)	130
155663 (2089199)	67
155664 (2089200)	60
155665 (2089201)	57
155666 (2089202)	60
155667 (2089203)	63
155668 (2089204)	49
155669 (2089205)	58
155670 (2089206)	44
155671 (2089207)	44
155672 (2089208)	59
155673 (2089209)	51
155674 (2089210)	49
155675 (2089211)	50
155676 (2089212)	64
155677 (2089213)	48
155678 (2089214)	66
155679 (2089215)	50
155680 (2089216)	53
155681 (2089217)	31
155682 (2089218)	31
155683 (2089219)	31
155684 (2089220)	28
155685 (2089221)	17
155686 (2089222)	11
155687 (2089223)	11
155688 (2089224)	27

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DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155689 (2089225)	16
155690 (2089226)	<5
155691 (2089227)	12
155692 (2089228)	8
155693 (2089229)	9
155694 (2089230)	9
155695 (2089231)	7
155696 (2089232)	7
155697 (2089233)	7
155698 (2089234)	6
155699 (2089235)	8
155700 (2089236)	45
155701 (2089237)	22
155702 (2089238)	18
155703 (2089239)	10
155704 (2089240)	8
155705 (2089241)	8
155706 (2089242)	11
155707 (2089243)	8
155708 (2089244)	9
155709 (2089245)	10
155710 (2089246)	51
155711 (2089247)	6
155712 (2089248)	<5
155713 (2089249)	7
155714 (2089250)	9
155715 (2089251)	7
155716 (2089252)	23
155717 (2089253)	10
155718 (2089254)	8
155719 (2089255)	7
155720 (2089256)	<5

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DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155721 (2089257)	9
155722 (2089258)	8
155723 (2089259)	24
155724 (2089260)	27
155725 (2089261)	65
155726 (2089262)	55
155727 (2089263)	17
155728 (2089264)	23

Comments: RDL - Reported Detection Limit

2089193-2089264 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155657 (2089193)	51	17	17
155658 (2089194)	78	15	14
155659 (2089195)	27	19	11
155660 (2089196)	<1	<1	<5
155661 (2089197)	2	14	7
155662 (2089198)	53	4	<5
155663 (2089199)	3	16	14
155664 (2089200)	4	16	15
155665 (2089201)	3	17	8
155666 (2089202)	2	16	10
155667 (2089203)	2	14	15
155668 (2089204)	2	11	11
155669 (2089205)	2	13	16
155670 (2089206)	7	22	43
155671 (2089207)	29	14	11
155672 (2089208)	5	13	17
155673 (2089209)	2	14	14
155674 (2089210)	5	16	12
155675 (2089211)	2	11	8
155676 (2089212)	14	650	428
155677 (2089213)	90	2300	1210
155678 (2089214)	5	94	26
155679 (2089215)	38	1550	275
155680 (2089216)	150	1360	706
155681 (2089217)	3	53	61
155682 (2089218)	3	77	75
155683 (2089219)	2	12	9
155684 (2089220)	3	29	9
155685 (2089221)	4	173	47
155686 (2089222)	73	452	153
155687 (2089223)	35	458	127
155688 (2089224)	35	360	131

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155689 (2089225)	109	1420	412
155690 (2089226)	1	2	<5
155691 (2089227)	85	1160	242
155692 (2089228)	62	373	107
155693 (2089229)	49	353	100
155694 (2089230)	56	412	141
155695 (2089231)	20	253	61
155696 (2089232)	20	188	62
155697 (2089233)	8	93	27
155698 (2089234)	11	89	27
155699 (2089235)	69	532	151
155700 (2089236)	24	92	20
155701 (2089237)	85	648	189
155702 (2089238)	46	450	159
155703 (2089239)	9	99	50
155704 (2089240)	48	117	54
155705 (2089241)	13	145	76
155706 (2089242)	23	372	101
155707 (2089243)	14	121	60
155708 (2089244)	68	508	198
155709 (2089245)	30	233	87
155710 (2089246)	146	1350	649
155711 (2089247)	13	61	27
155712 (2089248)	8	50	34
155713 (2089249)	23	38	15
155714 (2089250)	7	72	84
155715 (2089251)	37	93	54
155716 (2089252)	5	45	23
155717 (2089253)	38	148	95
155718 (2089254)	17	125	57
155719 (2089255)	14	76	39
155720 (2089256)	<1	<1	<5

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155721 (2089257)	3	43	31
155722 (2089258)	4	17	8
155723 (2089259)	8	141	75
155724 (2089260)	73	648	299
155725 (2089261)	94	462	361
155726 (2089262)	95	610	217
155727 (2089263)	4	63	19
155728 (2089264)	35	791	224

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155657 (2089193)	77.31
155676 (2089212)	78.4
155696 (2089232)	76.9
155716 (2089252)	77.6

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 31, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155657 (2089193)	87.04
155697 (2089233)	89.89
155717 (2089253)	88.07

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2089193	< 0.5	< 0.5	0.0%	2089207	< 0.5	< 0.5	0.0%	2089218	< 0.5	< 0.5	0.0%	2089232	0.5	0.5	0.0%
Al	2089193	6.23	6.32	1.4%	2089207	7.48	7.41	0.9%	2089218	6.92	6.93	0.1%	2089232	9.71	9.63	0.8%
As	2089193	< 1	< 1	0.0%	2089207	< 1	< 1	0.0%	2089218	< 1	< 1	0.0%	2089232	< 1	< 1	0.0%
Ba	2089193	41	39	5.0%	2089207	55	55	0.0%	2089218	45	44	2.2%	2089232	92	90	2.2%
Be	2089193	< 0.5	< 0.5	0.0%	2089207	< 0.5	< 0.5	0.0%	2089218	< 0.5	< 0.5	0.0%	2089232	< 0.5	< 0.5	0.0%
Bi	2089193	< 1	< 1	0.0%	2089207	< 1	< 1	0.0%	2089218	2	2	0.0%	2089232	< 1	< 1	0.0%
Ca	2089193	7.31	7.44	1.8%	2089207	7.83	7.43	5.2%	2089218	5.29	5.26	0.6%	2089232	6.45	6.38	1.1%
Cd	2089193	< 0.5	< 0.5	0.0%	2089207	< 0.5	< 0.5	0.0%	2089218	< 0.5	< 0.5	0.0%	2089232	< 0.5	< 0.5	0.0%
Ce	2089193	19	21	10.0%	2089207	20	18	10.5%	2089218	11	11	0.0%	2089232	1	1	0.0%
Co	2089193	36.9	37.9	2.7%	2089207	45.4	44.7	1.6%	2089218	74.5	74.2	0.4%	2089232	43.9	44.3	0.9%
Cr	2089193	67.8	68.6	1.2%	2089207	50.7	47.3	6.9%	2089218	41.2	34.5	17.7%	2089232	134	149	10.6%
Cu	2089193	201	210	4.4%	2089207	171	166	3.0%	2089218	90.2	90.6	0.4%	2089232	504	486	3.6%
Fe	2089193	6.82	6.90	1.2%	2089207	6.51	6.44	1.1%	2089218	10.1	10.3	2.0%	2089232	4.86	4.82	0.8%
Ga	2089193	16	17	6.1%	2089207	14	15	6.9%	2089218	10	10	0.0%	2089232	13	12	8.0%
In	2089193	< 1	< 1	0.0%	2089207	< 1	< 1	0.0%	2089218	< 1	< 1	0.0%	2089232	< 1	< 1	0.0%
K	2089193	0.15	0.15	0.0%	2089207	0.19	0.19	0.0%	2089218	0.14	0.14	0.0%	2089232	0.207	0.202	2.4%
La	2089193	9	9	0.0%	2089207	9	9	0.0%	2089218	5	5	0.0%	2089232	< 2	< 2	0.0%
Li	2089193	5	5	0.0%	2089207	11	10	9.5%	2089218	24	25	4.1%	2089232	21	23	9.1%
Mg	2089193	2.72	2.77	1.8%	2089207	3.13	3.12	0.3%	2089218	6.35	6.33	0.3%	2089232	5.45	5.35	1.9%
Mn	2089193	1300	1320	1.5%	2089207	1220	1210	0.8%	2089218	1510	1530	1.3%	2089232	934	914	2.2%
Mo	2089193	< 0.5	< 0.5	0.0%	2089207	1.4	1.4	0.0%	2089218	< 0.5	< 0.5	0.0%	2089232	< 0.5	< 0.5	0.0%
Na	2089193	2.76	2.83	2.5%	2089207	3.55	3.38	4.9%	2089218	1.09	1.09	0.0%	2089232	1.44	1.43	0.7%
Ni	2089193	44.1	45.1	2.2%	2089207	63.5	62.9	0.9%	2089218	264	264	0.0%	2089232	228	227	0.4%
P	2089193	363	372	2.4%	2089207	370	365	1.4%	2089218	224	224	0.0%	2089232	48	48	0.0%
Pb	2089193	3	4	28.6%	2089207	< 1	< 1	0.0%	2089218	4	< 1		2089232	< 1	< 1	0.0%
Rb	2089193	< 10	< 10	0.0%	2089207	< 10	< 10	0.0%	2089218	< 10	< 10	0.0%	2089232	< 10	< 10	0.0%
S	2089193	0.263	0.276	4.8%	2089207	0.34	0.33	3.0%	2089218	0.216	0.213	1.4%	2089232	0.258	0.250	3.1%
Sb	2089193	< 1	< 1	0.0%	2089207	< 1	< 1	0.0%	2089218	< 1	< 1	0.0%	2089232	1	3	
Sc	2089193	35	36	2.8%	2089207	34	33	3.0%	2089218	22	21	4.7%	2089232	19	19	0.0%
Se	2089193	< 10	< 10	0.0%	2089207	< 10	< 10	0.0%	2089218	< 10	< 10	0.0%	2089232	< 10	< 10	0.0%
Sn	2089193	< 5	< 5	0.0%	2089207	< 5	< 5	0.0%	2089218	< 5	< 5	0.0%	2089232	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark

Sr	2089193	203	211	3.9%	2089207	153	152	0.7%	2089218	106	106	0.0%	2089232	196	194	1.0%
Ta	2089193	< 10	< 10	0.0%	2089207	< 10	< 10	0.0%	2089218	< 10	< 10	0.0%	2089232	< 10	< 10	0.0%
Te	2089193	< 10	< 10	0.0%	2089207	< 10	< 10	0.0%	2089218	9	12	28.6%	2089232	< 10	< 10	0.0%
Th	2089193	< 5	< 5	0.0%	2089207	< 5	< 5	0.0%	2089218	< 5	< 5	0.0%	2089232	< 5	< 5	0.0%
Ti	2089193	0.46	0.47	2.2%	2089207	0.43	0.42	2.4%	2089218	0.23	0.23	0.0%	2089232	0.08	0.08	0.0%
Tl	2089193	< 5	< 5	0.0%	2089207	< 5	< 5	0.0%	2089218	< 5	< 5	0.0%	2089232	< 5	< 5	0.0%
U	2089193	7	7	0.0%	2089207	6	7	15.4%	2089218	< 5	< 5	0.0%	2089232	< 5	< 5	0.0%
V	2089193	276	285	3.2%	2089207	236	227	3.9%	2089218	140	137	2.2%	2089232	71.7	70.8	1.3%
W	2089193	< 1	< 1	0.0%	2089207	< 1	< 1	0.0%	2089218	< 1	< 1	0.0%	2089232	< 1	< 1	0.0%
Y	2089193	17	17	0.0%	2089207	15	15	0.0%	2089218	9	9	0.0%	2089232	2	2	0.0%
Zn	2089193	62.7	64.2	2.4%	2089207	67.6	66.0	2.4%	2089218	106	109	2.8%	2089232	63.4	61.7	2.7%
Zr	2089193	46	47	2.2%	2089207	44	40	9.5%	2089218	31	30	3.3%	2089232	7	7	0.0%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2089243	< 0.5	< 0.5	0.0%	2089257	< 0.5	< 0.5	0.0%								
Al	2089243	10.4	10.4	0.0%	2089257	7.47	7.48	0.1%								
As	2089243	< 1	< 1	0.0%	2089257	< 1	< 1	0.0%								
Ba	2089243	100	99	1.0%	2089257	90	90	0.0%								
Be	2089243	< 0.5	< 0.5	0.0%	2089257	< 0.5	< 0.5	0.0%								
Bi	2089243	< 1	< 1	0.0%	2089257	< 1	< 1	0.0%								
Ca	2089243	6.38	6.40	0.3%	2089257	4.69	4.77	1.7%								
Cd	2089243	< 0.5	< 0.5	0.0%	2089257	< 0.5	< 0.5	0.0%								
Ce	2089243	3	2		2089257	2	2	0.0%								
Co	2089243	41.8	41.0	1.9%	2089257	50.2	51.3	2.2%								
Cr	2089243	106	97.7	8.1%	2089257	111	115	3.5%								
Cu	2089243	283	284	0.4%	2089257	132	135	2.2%								
Fe	2089243	4.90	4.91	0.2%	2089257	8.09	8.27	2.2%								
Ga	2089243	14	14	0.0%	2089257	15	16	6.5%								
In	2089243	< 1	< 1	0.0%	2089257	< 1	< 1	0.0%								
K	2089243	0.334	0.336	0.6%	2089257	0.37	0.37	0.0%								
La	2089243	< 2	< 2	0.0%	2089257	< 2	< 2	0.0%								
Li	2089243	21	20	4.9%	2089257	56	56	0.0%								
Mg	2089243	4.43	4.42	0.2%	2089257	6.11	6.24	2.1%								
Mn	2089243	865	854	1.3%	2089257	1190	1190	0.0%								

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ATTENTION TO: Garry Clark

Mo	2089243	< 0.5	< 0.5	0.0%	2089257	< 0.5	< 0.5	0.0%								
Na	2089243	1.58	1.58	0.0%	2089257	0.97	0.98	1.0%								
Ni	2089243	192	189	1.6%	2089257	156	157	0.6%								
P	2089243	68	66	3.0%	2089257	58	58	0.0%								
Pb	2089243	< 1	< 1	0.0%	2089257	1	< 1									
Rb	2089243	13	13	0.0%	2089257	15	16	6.5%								
S	2089243	0.24	0.24	0.0%	2089257	0.16	0.16	0.0%								
Sb	2089243	4	2		2089257	< 1	< 1	0.0%								
Sc	2089243	16	16	0.0%	2089257	28	28	0.0%								
Se	2089243	< 10	< 10	0.0%	2089257	< 10	< 10	0.0%								
Sn	2089243	< 5	< 5	0.0%	2089257	< 5	< 5	0.0%								
Sr	2089243	245	247	0.8%	2089257	135	138	2.2%								
Ta	2089243	< 10	< 10	0.0%	2089257	< 10	< 10	0.0%								
Te	2089243	< 10	< 10	0.0%	2089257	< 10	< 10	0.0%								
Th	2089243	< 5	< 5	0.0%	2089257	< 5	< 5	0.0%								
Ti	2089243	0.096	0.094	2.1%	2089257	0.22	0.22	0.0%								
Tl	2089243	< 5	< 5	0.0%	2089257	< 5	< 5	0.0%								
U	2089243	6	< 5		2089257	< 5	< 5	0.0%								
V	2089243	66.5	64.8	2.6%	2089257	166	165	0.6%								
W	2089243	< 1	< 1	0.0%	2089257	< 1	< 1	0.0%								
Y	2089243	3	3	0.0%	2089257	5	4	22.2%								
Zn	2089243	60.4	60.5	0.2%	2089257	76.1	76.5	0.5%								
Zr	2089243	8	9	11.8%	2089257	9	9	0.0%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2089193	51	66	25.6%	2089207	29	71		2089218	3	3	0.0%	2089243	14	16	13.3%
Pd	2089193	17	16	6.1%	2089207	14	14	0.0%	2089218	77	85	9.9%	2089243	121	111	8.6%
Pt	2089193	17	15	12.5%	2089207	11	16		2089218	75	65	14.3%	2089243	60	55	8.7%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2089257	3	3	0.0%
Pd	2089257	43	43	0.0%
Pt	2089257	31	36	14.9%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.48	115%	90% - 110%				
Al	8.47	8.17	97%	90% - 110%	6.96	7.15	103%	90% - 110%	4.75	4.56	96%	90% - 110%	8.47	7.92	93%	90% - 110%
As	26	24	94%	90% - 110%	124	121	97%	90% - 110%					26	25	96%	90% - 110%
Ba	540	558	103%	90% - 110%	186	193	104%	90% - 110%	216	214	99%	90% - 110%	540	502	93%	90% - 110%
Be	4.0	3.5	88%	90% - 110%									4.0	3.2	81%	90% - 110%
Ca	0.907	0.863	95%	90% - 110%	4.01	4.03	100%	90% - 110%	10	9	91%	90% - 110%	0.907	0.871	96%	90% - 110%
Ce	98	103	105%	90% - 110%	24	23	96%	90% - 110%					98	99	101%	90% - 110%
Co	13	13	99%	90% - 110%	22.1	19.9	90%	90% - 110%	191	172	90%	90% - 110%	13	13	96%	90% - 110%
Cr	60.3	60.4	100%	90% - 110%					670	639	95%	90% - 110%	60.3	58	96%	90% - 110%
Cu	150	155	104%	90% - 110%	88.6	92.5	104%	90% - 110%	7120	6904	97%	90% - 110%	150	148	99%	90% - 110%
Fe	3.77	3.6	96%	90% - 110%	7.56	7.9	104%	90% - 110%	12.71	11.9	94%	90% - 110%	3.77	3.68	98%	90% - 110%
K					2.021	2.187	108%	90% - 110%	0.1021	0.1046	102%	90% - 110%				
La	44	46	105%	90% - 110%									44	44	101%	90% - 110%
Li	47	52	110%	90% - 110%									47	46	97%	90% - 110%
Mg	1.10	1.06	96%	90% - 110%	2.412	2.522	105%	90% - 110%	7.41	7.02	95%	90% - 110%	1.10	1.03	94%	90% - 110%
Mn	780	769	99%	90% - 110%	1510	1536	102%	90% - 110%					780	707	91%	90% - 110%
Mo	14	13	96%	90% - 110%									14	13	90%	90% - 110%
Na	1.624	1.742	107%	90% - 110%	0.617	0.673	109%	90% - 110%	0.112	0.119	106%	90% - 110%	1.624	1.646	101%	90% - 110%
Ni	32	33	105%	90% - 110%	77.1	79.4	103%	90% - 110%	2480	2363	95%	90% - 110%	32	33	102%	90% - 110%
P	750	744	99%	90% - 110%	892	922	103%	90% - 110%	731	680	93%	90% - 110%	750	733	98%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	152	106%	90% - 110%									143	146	102%	90% - 110%
S					0.348	0.378	109%	90% - 110%								
Sc	12	13	105%	90% - 110%					21.33	19.83	93%	90% - 110%	12	12	98%	90% - 110%
Sr	144	153	106%	90% - 110%	92.8	95.7	103%	90% - 110%	39	37	95%	90% - 110%	144	150	104%	90% - 110%
Ta													1.9	2.1	108%	90% - 110%
Th	18.4	17.8	97%	90% - 110%									18.4	18.9	102%	90% - 110%
Ti	0.53	0.48	90%	90% - 110%					0.419	0.404	96%	90% - 110%	0.53	0.47	88%	90% - 110%
U	5.7	6.7	117%	90% - 110%									5.7	5.9	104%	90% - 110%
V	77	80	104%	90% - 110%					158	155	98%	90% - 110%	77	75	98%	90% - 110%
W	5	5	101%	90% - 110%									5	4	88%	90% - 110%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Y									12.67	11.77	93%	90% - 110%				
Zn	130	121	93%	90% - 110%	208	221	106%	90% - 110%	112	107	96%	90% - 110%	130	119	91%	90% - 110%
Zr									35.7	39.1	110%	90% - 110%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1809	95%	90% - 110%	1897	1853	98%	90% - 110%	1897	2039	107%	90% - 110%	1897	1872	99%	90% - 110%
Pd	1660	1624	98%	90% - 110%	1660	1628	98%	90% - 110%	1660	1741	105%	90% - 110%	1660	1681	101%	90% - 110%
Pt	223	222	100%	90% - 110%	223	221	99%	90% - 110%	223	224	100%	90% - 110%	223	227	102%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T709824

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %	MIN-12010	Johnson, W.: Laboratory Sampling and Sample Prep	BALANCE
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
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604-639-4457

ATTENTION TO: Garry Clark

PROJECT: East Bull

AGAT WORK ORDER: 21T709989

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Mar 12, 2021

PAGES (INCLUDING COVER): 12

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 12, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155729 (2090963)	2.30
155730 (2090964)	1.22
155731 (2090965)	1.16
155732 (2090966)	2.30
155733 (2090967)	2.44
155734 (2090968)	2.47
155735 (2090969)	2.40
155736 (2090970)	2.61
155737 (2090971)	2.50

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 150 Jaguar Drive, Timmins, ON and 35 General Aviation Road, Timmins, ON (unless marked by *)

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 12, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155729 (2090963)	<0.5	9.03	2	88	<0.5	<1	4.86	0.6	5	51.6	223	670	6.70	14
155730 (2090964)	0.8	9.11	<1	74	<0.5	<1	6.05	1.4	5	59.3	211	1820	6.32	15
155731 (2090965)	0.7	9.21	3	71	<0.5	<1	6.23	1.2	5	60.8	204	1900	6.54	15
155732 (2090966)	<0.5	8.49	<1	58	<0.5	<1	7.28	<0.5	2	45.0	241	36.1	6.77	16
155733 (2090967)	<0.5	8.63	<1	129	<0.5	<1	5.75	<0.5	4	46.5	227	32.4	7.01	15
155734 (2090968)	<0.5	8.29	<1	11	<0.5	<1	2.55	<0.5	3	78.4	720	10.7	13.6	19
155735 (2090969)	<0.5	9.51	<1	25	<0.5	<1	6.17	<0.5	9	31.1	117	25.8	6.42	15
155736 (2090970)	<0.5	9.40	<1	57	<0.5	<1	7.20	0.6	7	66.9	131	860	7.41	16
155737 (2090971)	<0.5	8.76	<1	89	<0.5	<1	7.16	<0.5	5	43.2	123	116	6.93	15

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155729 (2090963)	<1	0.40	<2	30	5.68	1230	2.9	1.68	246	71	<1	13	0.10	<1
155730 (2090964)	<1	0.29	2	22	5.24	1150	3.2	1.58	353	86	<1	<10	0.26	<1
155731 (2090965)	<1	0.29	2	23	5.40	1170	2.1	1.59	371	77	<1	<10	0.31	<1
155732 (2090966)	<1	0.33	<2	25	5.26	1230	2.4	1.36	154	28	<1	10	0.03	<1
155733 (2090967)	<1	0.45	<2	28	5.42	1210	1.4	1.57	160	101	<1	17	0.02	<1
155734 (2090968)	<1	0.07	<2	47	7.15	1780	<0.5	0.36	275	66	<1	<10	0.03	6
155735 (2090969)	<1	0.05	4	13	3.31	1030	3.8	3.12	64.9	181	<1	<10	0.03	<1
155736 (2090970)	<1	0.21	3	13	3.45	1120	3.7	2.00	146	123	<1	<10	0.51	<1
155737 (2090971)	<1	0.29	2	15	4.22	1260	3.0	1.50	117	92	<1	<10	0.10	<1

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 12, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155729 (2090963)	21	<10	<5	192	<10	<10	<5	0.12	<5	8	88.6	<1	4	73.2
155730 (2090964)	26	<10	<5	203	<10	<10	<5	0.14	<5	7	108	<1	5	97.1
155731 (2090965)	25	<10	<5	206	<10	<10	<5	0.13	<5	6	105	<1	5	95.5
155732 (2090966)	37	<10	<5	223	<10	<10	<5	0.25	<5	7	210	<1	4	78.0
155733 (2090967)	32	<10	<5	161	<10	<10	<5	0.19	<5	8	156	<1	5	93.8
155734 (2090968)	23	<10	<5	55	<10	11	<5	0.19	<5	23	229	<1	5	156
155735 (2090969)	27	<10	<5	171	<10	<10	<5	0.28	<5	8	165	<1	11	64.1
155736 (2090970)	29	<10	<5	206	<10	<10	<5	0.25	<5	10	179	<1	9	85.0
155737 (2090971)	31	<10	<5	188	<10	<10	<5	0.25	<5	6	183	<1	9	72.1

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155729 (2090963)	8
155730 (2090964)	11
155731 (2090965)	11
155732 (2090966)	<5
155733 (2090967)	8
155734 (2090968)	5
155735 (2090969)	18
155736 (2090970)	14
155737 (2090971)	11

Comments: RDL - Reported Detection Limit

2090963-2090971 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 12, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155729 (2090963)	14	239	116
155730 (2090964)	27	400	205
155731 (2090965)	47	362	165
155732 (2090966)	5	3	8
155733 (2090967)	2	14	8
155734 (2090968)	3	110	26
155735 (2090969)	3	39	30
155736 (2090970)	25	52	32
155737 (2090971)	9	77	51

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 10, 2021 | DATE RECEIVED: Feb 10, 2021 | DATE REPORTED: Mar 12, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155729 (2090963)	87.77

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2													
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD										
Ag	2090963	< 0.5	< 0.5	0.0%	2090971	< 0.5	< 0.5	0.0%										
Al	2090963	9.03	9.10	0.8%	2090971	8.76	8.84	0.9%										
As	2090963	2	< 1		2090971	< 1	2											
Ba	2090963	88	88	0.0%	2090971	89	90	1.1%										
Be	2090963	< 0.5	< 0.5	0.0%	2090971	< 0.5	< 0.5	0.0%										
Bi	2090963	< 1	< 1	0.0%	2090971	< 1	< 1	0.0%										
Ca	2090963	4.86	4.83	0.6%	2090971	7.16	7.17	0.1%										
Cd	2090963	0.6	0.6	0.0%	2090971	< 0.5	< 0.5	0.0%										
Ce	2090963	5	5	0.0%	2090971	5	5	0.0%										
Co	2090963	51.6	52.5	1.7%	2090971	43.2	42.9	0.7%										
Cr	2090963	223	214	4.1%	2090971	123	122	0.8%										
Cu	2090963	670	701	4.5%	2090971	116	114	1.7%										
Fe	2090963	6.70	6.79	1.3%	2090971	6.93	7.01	1.1%										
Ga	2090963	14	14	0.0%	2090971	15	15	0.0%										
In	2090963	< 1	< 1	0.0%	2090971	< 1	< 1	0.0%										
K	2090963	0.40	0.40	0.0%	2090971	0.294	0.298	1.4%										
La	2090963	< 2	< 2	0.0%	2090971	2	2	0.0%										
Li	2090963	30	30	0.0%	2090971	15	15	0.0%										
Mg	2090963	5.68	5.77	1.6%	2090971	4.22	4.26	0.9%										
Mn	2090963	1230	1250	1.6%	2090971	1260	1270	0.8%										
Mo	2090963	2.9	2.4	18.9%	2090971	2.98	2.92	2.0%										
Na	2090963	1.68	1.67	0.6%	2090971	1.50	1.50	0.0%										
Ni	2090963	246	251	2.0%	2090971	117	116	0.9%										
P	2090963	71	72	1.4%	2090971	92	92	0.0%										
Pb	2090963	< 1	< 1	0.0%	2090971	< 1	< 1	0.0%										
Rb	2090963	13	13	0.0%	2090971	< 10	< 10	0.0%										
S	2090963	0.10	0.10	0.0%	2090971	0.10	0.10	0.0%										
Sb	2090963	< 1	< 1	0.0%	2090971	< 1	< 1	0.0%										
Sc	2090963	21	21	0.0%	2090971	31	31	0.0%										
Se	2090963	< 10	< 10	0.0%	2090971	< 10	< 10	0.0%										
Sn	2090963	< 5	< 5	0.0%	2090971	< 5	< 5	0.0%										

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AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2090963	192	190	1.0%	2090971	188	189	0.5%								
Ta	2090963	< 10	< 10	0.0%	2090971	< 10	< 10	0.0%								
Te	2090963	< 10	< 10	0.0%	2090971	< 10	< 10	0.0%								
Th	2090963	< 5	< 5	0.0%	2090971	< 5	< 5	0.0%								
Ti	2090963	0.12	0.12	0.0%	2090971	0.25	0.25	0.0%								
Tl	2090963	< 5	< 5	0.0%	2090971	< 5	< 5	0.0%								
U	2090963	8	9	11.8%	2090971	6	8	28.6%								
V	2090963	88.6	89.2	0.7%	2090971	183	179	2.2%								
W	2090963	< 1	< 1	0.0%	2090971	< 1	< 1	0.0%								
Y	2090963	4	4	0.0%	2090971	9	9	0.0%								
Zn	2090963	73.2	72.9	0.4%	2090971	72.1	73.1	1.4%								
Zr	2090963	8	9	11.8%	2090971	11	11	0.0%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2090963	14	19	30.3%	2090971	93	85	9.0%								
Pd	2090963	239	220	8.3%	2090971	77	87	12.2%								
Pt	2090963	116	97	17.8%	2090971	51	55	7.5%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits
Al	8.47	8.4	99%	90% - 110%
As	26	25	97%	90% - 110%
Ba	540	529	98%	90% - 110%
Be	4.0	3.3	83%	90% - 110%
Ca	0.907	0.882	97%	90% - 110%
Ce	98	97	99%	90% - 110%
Co	13	10	76%	90% - 110%
Cr	60.3	62.3	103%	90% - 110%
Cu	150	153	102%	90% - 110%
Fe	3.77	3.78	100%	90% - 110%
La	44	44	100%	90% - 110%
Li	47	49	105%	90% - 110%
Mg	1.10	1.08	98%	90% - 110%
Mn	780	759	97%	90% - 110%
Mo	14	14	101%	90% - 110%
Na	1.624	1.677	103%	90% - 110%
Ni	32	33	103%	90% - 110%
P	750	741	99%	90% - 110%
Rb	143	139	97%	90% - 110%
Sc	12	12	101%	90% - 110%
Sr	144	152	105%	90% - 110%
Th	18.4	14.2	77%	90% - 110%
Ti	0.53	0.5	94%	90% - 110%
V	77	80	103%	90% - 110%
W	5	5	101%	90% - 110%
Zn	130	122	94%	90% - 110%

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits
Au	1897	1986	105%	90% - 110%
Pd	1660	1809	109%	90% - 110%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Pt	223	241	108%	90% - 110%												

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T709989

PROJECT: East Bull

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T711299

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 15, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155738 (2118992)	2.5071
155739 (2118993)	2.6036
155740 (2118994)	2.4193
155741 (2118995)	2.4917
155742 (2118996)	2.7049
155743 (2118997)	2.3422
155744 (2118998)	2.4408
155745 (2118999)	2.5638
155746 (2119000)	2.2841
155747 (2119001)	2.4661
155748 (2119002)	2.3908
155749 (2119003)	2.5377
155750 (2119004)	0.1087
155751 (2119005)	2.5588
155752 (2119006)	2.5035
155753 (2119007)	2.5081
155754 (2119008)	2.4174
155755 (2119009)	2.3531
155756 (2119010)	2.4788
155757 (2119011)	2.2833
155758 (2119012)	1.5797
155759 (2119013)	1.9396
155760 (2119014)	0.7402
155761 (2119015)	2.0851
155762 (2119016)	2.3736
155763 (2119017)	2.4238
155764 (2119018)	2.5554
155765 (2119019)	2.2687
155766 (2119020)	2.3135
155767 (2119021)	2.4341
155768 (2119022)	2.0127

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155769 (2119023)	1.3907
155770 (2119024)	1.0016
155771 (2119025)	2.4732
155772 (2119026)	2.4131
155773 (2119027)	2.3204
155774 (2119028)	2.2888
155775 (2119029)	2.4969
155776 (2119030)	2.4221
155777 (2119031)	2.3764
155778 (2119032)	2.2377
155779 (2119033)	2.1286
155780 (2119034)	0.1096
155781 (2119035)	2.2795
155782 (2119036)	2.3842
155783 (2119037)	2.5906
155784 (2119038)	2.5186
155785 (2119039)	2.3511
155786 (2119040)	2.4912
155787 (2119041)	2.3409
155788 (2119042)	2.3805
155789 (2119043)	2.1805
155790 (2119044)	0.9301
155791 (2119045)	2.2937
155792 (2119046)	2.3465
155793 (2119047)	2.5417
155794 (2119048)	2.4501
155795 (2119049)	2.2793
155796 (2119050)	2.0065
155797 (2119051)	2.3321
155798 (2119052)	2.2541
155799 (2119053)	2.5978

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155800 (2119054)	2.4513
155801 (2119055)	1.2019
155802 (2119056)	1.1322
155803 (2119057)	2.6421
155804 (2119058)	2.3494
155805 (2119059)	2.3501
155806 (2119060)	2.4426
155807 (2119061)	2.4309
155808 (2119062)	2.3981
155809 (2119063)	1.9358
155810 (2119064)	0.1096
155811 (2119065)	2.2611
155812 (2119066)	2.3981
155813 (2119067)	2.3328
155814 (2119068)	2.6501

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155738 (2118992)	<0.5	7.94	<1	126	0.7	<1	8.33	<0.5	18	34.9	79.9	106	8.47	24
155739 (2118993)	<0.5	8.11	<1	253	1.0	<1	6.58	<0.5	22	45.8	88.0	134	9.07	22
155740 (2118994)	<0.5	7.88	<1	330	0.9	<1	6.58	<0.5	21	46.0	94.1	142	9.18	22
155741 (2118995)	<0.5	8.20	<1	296	1.0	<1	6.45	<0.5	23	46.7	86.9	157	9.43	22
155742 (2118996)	<0.5	7.96	<1	291	1.0	<1	6.39	<0.5	26	46.4	86.4	146	9.47	22
155743 (2118997)	<0.5	7.52	<1	97	0.8	<1	6.05	<0.5	26	42.5	86.8	135	9.12	22
155744 (2118998)	<0.5	7.22	<1	79	0.9	<1	5.38	<0.5	29	41.5	91.7	101	8.02	20
155745 (2118999)	<0.5	7.79	<1	251	0.9	<1	5.84	<0.5	25	44.8	75.4	107	8.91	20
155746 (2119000)	<0.5	7.54	<1	164	0.9	<1	6.19	<0.5	26	43.9	84.7	126	9.10	20
155747 (2119001)	<0.5	7.54	<1	211	0.9	<1	6.41	<0.5	24	46.0	84.2	132	9.29	20
155748 (2119002)	<0.5	7.29	<1	240	1.0	<1	6.14	<0.5	32	45.7	81.9	124	9.81	20
155749 (2119003)	<0.5	7.53	<1	185	1.0	<1	6.18	<0.5	26	44.6	83.4	124	8.99	21
155750 (2119004)	3.2	6.92	<1	267	0.9	<1	3.92	0.9	27	177	255	6980	14.3	8
155751 (2119005)	<0.5	7.49	<1	259	0.9	<1	6.51	<0.5	25	42.4	85.6	90.0	9.06	20
155752 (2119006)	<0.5	7.79	<1	260	0.9	<1	6.48	<0.5	27	43.5	91.8	90.0	8.54	20
155753 (2119007)	<0.5	7.29	<1	285	1.0	<1	5.83	<0.5	28	41.4	97.6	61.1	8.91	20
155754 (2119008)	<0.5	7.56	<1	413	1.0	<1	6.04	<0.5	28	42.4	88.4	140	9.19	22
155755 (2119009)	<0.5	7.31	<1	357	1.1	<1	5.86	<0.5	28	42.7	86.8	107	8.86	20
155756 (2119010)	<0.5	7.70	<1	392	1.4	<1	5.64	<0.5	25	44.2	98.6	47.7	9.05	22
155757 (2119011)	<0.5	7.54	<1	183	2.0	<1	4.58	<0.5	39	42.0	85.7	112	8.73	23
155758 (2119012)	0.7	7.16	1	89	1.3	<1	2.24	<0.5	72	45.1	89.5	427	5.14	20
155759 (2119013)	<0.5	6.79	8	49	1.2	<1	2.75	<0.5	74	32.6	85.7	167	3.87	16
155760 (2119014)	<0.5	0.04	<1	1990	<0.5	<1	18.2	<0.5	<1	<0.5	17.5	<0.5	0.07	<5
155761 (2119015)	<0.5	6.74	3	33	0.8	<1	6.36	<0.5	67	11.3	77.6	10.2	4.46	25
155762 (2119016)	<0.5	7.09	<1	99	1.8	<1	5.42	0.6	77	21.1	80.8	50.0	6.06	22
155763 (2119017)	<0.5	7.18	<1	284	1.5	<1	5.83	<0.5	59	35.3	74.4	100	8.22	21
155764 (2119018)	<0.5	4.58	<1	1670	1.5	<1	8.53	<0.5	114	49.5	528	49.4	7.11	13
155765 (2119019)	<0.5	6.71	<1	989	1.4	<1	7.06	<0.5	76	45.6	323	41.5	8.60	19
155766 (2119020)	<0.5	8.35	<1	283	1.5	<1	5.86	<0.5	26	47.6	154	69.9	9.93	23
155767 (2119021)	<0.5	8.55	<1	254	1.1	<1	6.00	<0.5	26	44.5	174	55.4	9.26	21
155768 (2119022)	<0.5	7.97	<1	140	1.1	<1	5.07	<0.5	31	46.5	77.2	19.4	9.38	21
155769 (2119023)	<0.5	7.18	<1	64	1.1	<1	6.24	<0.5	34	42.7	60.7	190	8.43	20

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155770 (2119024)	<0.5	7.46	<1	73	1.0	<1	6.71	<0.5	33	42.8	57.8	128	8.99	21
155771 (2119025)	<0.5	7.40	<1	90	1.1	<1	5.73	<0.5	32	45.2	61.4	156	9.02	21
155772 (2119026)	<0.5	8.52	<1	17	0.7	<1	9.37	<0.5	19	21.6	62.5	2.1	7.91	32
155773 (2119027)	<0.5	7.63	<1	46	1.1	<1	5.87	<0.5	28	42.0	75.3	30.7	8.65	18
155774 (2119028)	<0.5	7.45	<1	89	1.4	<1	4.40	0.6	62	30.3	79.1	130	5.68	20
155775 (2119029)	<0.5	7.61	<1	320	1.0	<1	6.80	<0.5	15	41.8	178	21.3	8.09	18
155776 (2119030)	<0.5	8.05	<1	413	0.8	<1	6.11	<0.5	20	44.7	138	30.7	8.16	18
155777 (2119031)	<0.5	9.10	<1	271	0.8	<1	6.71	<0.5	16	45.6	156	44.2	7.16	19
155778 (2119032)	<0.5	8.16	<1	225	1.2	<1	4.87	<0.5	53	24.2	93.8	47.9	5.06	16
155779 (2119033)	<0.5	7.82	<1	170	1.2	<1	4.33	<0.5	56	40.3	101	115	6.60	18
155780 (2119034)	3.0	7.06	<1	271	0.9	<1	3.98	0.8	27	172	240	6900	14.2	9
155781 (2119035)	<0.5	9.65	<1	273	0.6	<1	5.85	<0.5	10	55.7	104	97.2	7.39	19
155782 (2119036)	<0.5	9.02	<1	171	0.6	<1	5.31	<0.5	14	56.3	102	84.1	7.67	17
155783 (2119037)	<0.5	10.0	<1	182	0.6	<1	7.09	<0.5	12	28.6	181	23.5	4.83	15
155784 (2119038)	<0.5	9.39	<1	83	<0.5	<1	6.16	<0.5	8	53.3	176	17.7	7.55	16
155785 (2119039)	<0.5	9.10	<1	70	<0.5	<1	4.83	<0.5	6	65.8	130	62.8	8.21	17
155786 (2119040)	<0.5	8.46	<1	65	<0.5	<1	5.44	<0.5	7	60.6	240	80.8	7.97	16
155787 (2119041)	<0.5	8.01	<1	72	0.6	<1	5.82	<0.5	15	56.8	137	178	7.72	17
155788 (2119042)	<0.5	7.93	<1	36	<0.5	<1	4.64	<0.5	9	69.3	163	85.2	9.60	16
155789 (2119043)	<0.5	7.41	<1	71	0.8	<1	6.10	<0.5	36	44.2	111	186	6.45	16
155790 (2119044)	<0.5	0.05	<1	2270	<0.5	<1	18.9	<0.5	<1	<0.5	12.8	<0.5	0.06	<5
155791 (2119045)	<0.5	8.17	<1	116	0.6	<1	6.73	<0.5	14	38.5	153	89.1	6.11	15
155792 (2119046)	<0.5	7.38	<1	49	<0.5	<1	4.71	<0.5	12	54.5	331	548	8.00	15
155793 (2119047)	<0.5	7.77	<1	77	<0.5	<1	5.05	<0.5	3	54.4	414	166	7.48	13
155794 (2119048)	<0.5	7.56	<1	60	<0.5	<1	5.31	<0.5	3	54.2	404	262	7.04	13
155795 (2119049)	<0.5	10.7	<1	92	<0.5	<1	5.79	<0.5	3	41.3	222	402	5.57	14
155796 (2119050)	<0.5	9.56	<1	134	<0.5	<1	4.50	0.6	4	60.6	303	960	6.90	15
155797 (2119051)	<0.5	7.62	<1	65	0.8	<1	4.33	<0.5	73	36.3	79.9	427	6.52	18
155798 (2119052)	<0.5	6.88	<1	146	0.9	<1	6.31	<0.5	71	42.2	67.4	665	6.90	21
155799 (2119053)	<0.5	7.35	<1	376	1.1	<1	5.99	<0.5	40	41.3	105	200	8.79	23
155800 (2119054)	<0.5	7.75	<1	379	1.0	<1	5.55	<0.5	30	52.2	113	1200	8.44	22
155801 (2119055)	1.0	7.75	<1	188	0.7	<1	4.82	0.8	16	75.1	158	2160	8.73	17

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155802 (2119056)	1.0	8.01	<1	189	0.5	<1	4.92	0.7	10	79.9	155	2180	8.86	17
155803 (2119057)	0.6	9.25	<1	148	<0.5	<1	5.36	0.7	4	76.1	229	1680	7.09	15
155804 (2119058)	<0.5	8.36	<1	108	<0.5	<1	5.28	<0.5	4	79.8	260	1360	7.38	15
155805 (2119059)	<0.5	8.21	<1	83	<0.5	<1	4.82	<0.5	2	64.2	166	691	7.22	14
155806 (2119060)	<0.5	7.28	<1	80	<0.5	<1	5.53	<0.5	16	54.8	181	435	7.46	17
155807 (2119061)	<0.5	7.20	<1	48	<0.5	<1	4.47	<0.5	2	62.3	168	44.8	7.89	15
155808 (2119062)	<0.5	9.26	<1	81	<0.5	<1	5.08	0.6	7	66.2	103	630	7.57	18
155809 (2119063)	1.6	9.46	<1	41	<0.5	<1	4.47	2.9	4	110	108	1120	8.83	20
155810 (2119064)	3.1	6.66	<1	259	0.9	<1	3.72	0.6	27	171	240	6860	14.1	7
155811 (2119065)	<0.5	9.74	<1	49	<0.5	<1	5.55	<0.5	5	77.5	89.9	651	8.63	20
155812 (2119066)	<0.5	7.66	<1	105	<0.5	<1	4.34	<0.5	9	46.5	92.5	380	6.10	16
155813 (2119067)	<0.5	9.20	<1	228	0.8	<1	5.36	<0.5	4	50.4	87.0	172	11.7	27
155814 (2119068)	<0.5	8.59	<1	310	0.8	<1	4.21	<0.5	<1	69.0	76.6	177	13.0	25

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155738 (2118992)	<1	0.46	7	13	2.82	1340	<0.5	1.51	48.2	293	<1	14	0.14	<1
155739 (2118993)	<1	0.93	8	20	3.46	1520	<0.5	1.98	61.5	372	1	30	0.13	<1
155740 (2118994)	<1	1.13	8	19	3.31	1460	<0.5	1.80	67.2	362	<1	38	0.13	<1
155741 (2118995)	<1	1.07	9	21	3.35	1510	<0.5	1.78	58.8	394	<1	34	0.13	<1
155742 (2118996)	<1	1.00	10	21	3.25	1510	<0.5	1.79	61.0	444	3	31	0.15	<1
155743 (2118997)	<1	0.38	10	15	3.33	1390	<0.5	2.62	57.2	472	2	<10	0.12	<1
155744 (2118998)	<1	0.28	12	15	3.43	1340	<0.5	2.62	60.1	512	<1	<10	0.10	<1
155745 (2118999)	<1	0.48	10	19	3.67	1460	<0.5	2.40	64.6	451	<1	11	0.11	<1
155746 (2119000)	<1	0.64	10	19	3.60	1500	<0.5	2.18	62.0	456	2	14	0.11	<1
155747 (2119001)	<1	0.74	9	21	3.72	1600	<0.5	1.82	66.2	401	1	19	0.12	<1
155748 (2119002)	<1	0.88	13	19	3.49	1610	<0.5	1.94	56.3	532	1	21	0.11	<1
155749 (2119003)	<1	0.68	10	20	3.50	1500	<0.5	1.92	65.3	448	2	20	0.11	<1
155750 (2119004)	<1	0.65	10	12	3.98	1170	3.1	1.85	9840	605	43	14	2.81	<1
155751 (2119005)	<1	0.85	10	20	3.47	1460	<0.5	1.79	62.9	430	2	24	0.11	<1
155752 (2119006)	<1	1.06	11	19	3.45	1450	<0.5	1.69	65.5	474	<1	34	0.11	<1
155753 (2119007)	<1	1.10	11	20	3.24	1430	<0.5	1.54	56.8	486	2	32	0.09	<1
155754 (2119008)	<1	1.42	11	19	3.27	1470	<0.5	1.68	58.1	482	4	32	0.11	<1
155755 (2119009)	<1	1.19	11	22	3.54	1480	<0.5	1.71	61.5	516	<1	31	0.10	<1
155756 (2119010)	<1	1.26	9	24	3.49	1350	<0.5	1.76	68.2	433	1	38	0.09	<1
155757 (2119011)	<1	0.78	15	19	2.95	1220	<0.5	2.87	37.9	1040	2	25	0.17	<1
155758 (2119012)	<1	0.35	29	15	1.40	517	5.8	3.76	9.3	1480	8	<10	0.34	<1
155759 (2119013)	<1	0.20	31	8	1.02	427	4.3	3.87	10.8	903	6	<10	0.22	<1
155760 (2119014)	<1	0.02	2	16	12.7	419	<0.5	0.04	<0.5	81	3	<10	0.31	<1
155761 (2119015)	<1	0.20	29	4	0.71	373	0.8	2.07	4.9	656	2	<10	0.12	<1
155762 (2119016)	<1	0.48	32	7	1.40	863	1.2	3.71	5.5	1540	15	13	0.18	<1
155763 (2119017)	<1	1.12	24	16	2.34	1140	0.7	2.56	32.6	1460	40	31	0.20	<1
155764 (2119018)	<1	2.56	53	46	8.82	1280	0.6	0.72	332	2330	4	89	0.22	<1
155765 (2119019)	<1	1.82	34	46	7.33	1440	<0.5	1.04	200	1890	4	56	0.17	<1
155766 (2119020)	<1	1.16	10	29	4.47	1500	<0.5	2.07	99.4	483	2	29	0.11	<1
155767 (2119021)	<1	0.75	10	26	4.08	1390	<0.5	2.46	103	424	1	20	0.14	<1
155768 (2119022)	<1	0.56	11	22	3.93	1360	<0.5	2.34	63.8	720	1	20	0.08	<1
155769 (2119023)	<1	0.29	14	12	3.29	1400	<0.5	2.71	50.6	624	2	<10	0.13	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155770 (2119024)	<1	0.33	14	15	3.40	1450	<0.5	2.67	51.7	578	<1	10	0.12	<1
155771 (2119025)	<1	0.33	13	18	3.47	1460	<0.5	2.24	58.8	568	1	10	0.11	<1
155772 (2119026)	<1	0.09	8	3	2.37	1110	<0.5	2.33	29.5	344	2	<10	0.13	<1
155773 (2119027)	<1	0.13	11	12	3.73	1430	<0.5	2.96	64.0	566	<1	<10	0.09	<1
155774 (2119028)	<1	0.30	26	9	2.28	954	1.4	3.37	45.1	721	29	<10	0.13	<1
155775 (2119029)	<1	0.73	6	14	4.35	1500	<0.5	1.87	102	256	2	18	0.09	<1
155776 (2119030)	<1	0.78	8	16	4.10	1430	<0.5	2.31	107	361	<1	18	0.09	<1
155777 (2119031)	<1	0.82	6	19	4.01	1350	<0.5	1.73	125	316	<1	23	0.10	<1
155778 (2119032)	<1	0.81	23	15	2.45	887	0.6	3.04	40.5	776	1	23	0.11	<1
155779 (2119033)	<1	0.76	23	20	3.21	1080	0.8	2.87	91.7	997	1	28	0.20	<1
155780 (2119034)	<1	0.66	10	13	4.02	1190	2.9	1.87	9560	597	42	14	2.62	<1
155781 (2119035)	<1	0.78	4	29	4.74	1270	<0.5	1.71	223	188	<1	27	0.09	<1
155782 (2119036)	<1	0.61	5	30	5.00	1310	<0.5	1.82	238	261	<1	20	0.08	<1
155783 (2119037)	<1	0.51	5	16	3.60	1010	<0.5	2.88	75.5	195	<1	15	0.09	<1
155784 (2119038)	<1	0.30	3	31	6.05	1370	<0.5	1.90	188	153	<1	10	0.08	2
155785 (2119039)	<1	0.26	2	38	6.70	1430	<0.5	1.52	334	124	<1	<10	0.07	2
155786 (2119040)	<1	0.21	3	32	6.67	1420	<0.5	1.71	220	139	<1	<10	0.08	<1
155787 (2119041)	<1	0.18	6	26	6.32	1390	<0.5	1.77	181	254	<1	<10	0.10	<1
155788 (2119042)	<1	0.12	3	37	7.49	1640	<0.5	1.29	263	143	1	<10	0.07	2
155789 (2119043)	<1	0.20	15	17	4.65	1220	<0.5	2.53	106	656	2	<10	0.21	<1
155790 (2119044)	4	0.03	2	14	12.7	424	<0.5	0.04	1.1	52	<1	<10	0.29	<1
155791 (2119045)	<1	0.34	6	16	4.79	1140	<0.5	2.21	98.8	251	4	10	0.13	<1
155792 (2119046)	<1	0.16	4	37	6.75	1300	<0.5	1.84	247	144	4	<10	0.14	<1
155793 (2119047)	<1	0.34	<2	36	8.07	1370	<0.5	1.26	210	63	3	14	0.09	1
155794 (2119048)	<1	0.25	<2	35	8.03	1310	<0.5	1.08	227	50	6	<10	0.11	4
155795 (2119049)	<1	0.34	<2	34	5.33	912	<0.5	1.74	179	57	4	12	0.17	<1
155796 (2119050)	<1	0.65	<2	39	6.25	1120	<0.5	1.42	404	70	25	23	0.20	1
155797 (2119051)	<1	0.29	31	19	3.49	923	<0.5	2.91	96.9	1260	3	12	0.32	<1
155798 (2119052)	<1	0.80	31	18	3.01	1030	0.6	2.14	83.7	1210	4	35	0.53	<1
155799 (2119053)	<1	2.10	17	35	3.42	1180	<0.5	0.65	74.0	660	4	90	0.26	<1
155800 (2119054)	<1	2.03	12	33	3.53	1090	<0.5	0.71	259	492	5	89	0.38	<1
155801 (2119055)	<1	0.68	6	29	5.72	1280	<0.5	1.18	499	269	4	25	0.59	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155802 (2119056)	<1	0.67	4	29	5.80	1270	<0.5	1.18	567	173	5	23	0.62	<1
155803 (2119057)	<1	0.50	<2	30	6.08	1170	<0.5	1.53	508	75	2	15	0.56	<1
155804 (2119058)	<1	0.38	<2	30	6.77	1260	<0.5	1.41	463	74	3	12	0.57	2
155805 (2119059)	<1	0.40	<2	34	7.08	1270	<0.5	1.34	228	44	1	12	0.24	<1
155806 (2119060)	<1	0.29	7	25	5.68	1230	<0.5	1.16	157	286	3	11	0.29	<1
155807 (2119061)	<1	0.20	<2	36	8.13	1480	<0.5	1.05	124	49	1	<10	0.07	2
155808 (2119062)	<1	0.27	3	30	5.55	1120	<0.5	1.53	219	117	33	<10	0.24	<1
155809 (2119063)	<1	0.22	<2	44	7.07	1280	1.9	1.01	317	40	134	<10	0.44	<1
155810 (2119064)	<1	0.63	10	12	3.73	1090	3.1	1.79	9580	576	42	14	2.35	<1
155811 (2119065)	<1	0.25	<2	39	6.65	1290	<0.5	1.00	114	59	36	<10	0.24	<1
155812 (2119066)	<1	0.31	4	26	4.06	873	<0.5	1.21	111	144	25	<10	0.18	<1
155813 (2119067)	<1	1.30	<2	43	5.51	1240	<0.5	0.66	67.2	72	33	56	0.34	<1
155814 (2119068)	<1	1.58	<2	51	5.98	1330	<0.5	0.64	51.4	22	4	71	0.61	<1

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155738 (2118992)	32	<10	<5	206	<10	<10	<5	0.46	<5	10	304	<1	13	65.4
155739 (2118993)	39	<10	<5	227	<10	<10	<5	0.54	<5	10	329	<1	17	87.8
155740 (2118994)	40	<10	<5	226	<10	<10	<5	0.56	<5	10	343	<1	17	92.3
155741 (2118995)	38	<10	<5	221	<10	<10	<5	0.62	<5	10	344	<1	18	93.6
155742 (2118996)	38	<10	<5	216	<10	<10	<5	0.64	<5	10	344	<1	19	102
155743 (2118997)	36	<10	<5	170	<10	<10	<5	0.53	<5	10	274	<1	19	97.1
155744 (2118998)	36	<10	<5	136	<10	<10	<5	0.54	<5	10	261	<1	19	91.4
155745 (2118999)	40	<10	<5	192	<10	<10	<5	0.54	<5	9	282	<1	19	99.9
155746 (2119000)	39	<10	<5	193	<10	<10	<5	0.58	<5	9	283	<1	19	99.1
155747 (2119001)	41	<10	<5	202	<10	<10	<5	0.58	<5	10	311	<1	18	97.9
155748 (2119002)	39	<10	<5	170	<10	<10	<5	0.63	<5	11	310	<1	22	101
155749 (2119003)	39	<10	<5	194	<10	<10	<5	0.64	<5	10	337	<1	19	96.9
155750 (2119004)	11	<10	<5	272	<10	<10	<5	0.60	<5	14	113	2	11	122
155751 (2119005)	37	<10	<5	208	<10	<10	<5	0.51	<5	10	277	<1	18	89.9
155752 (2119006)	38	<10	<5	208	<10	<10	<5	0.50	<5	10	272	<1	18	89.9
155753 (2119007)	36	<10	<5	197	<10	<10	<5	0.51	<5	11	251	<1	19	90.4
155754 (2119008)	35	<10	<5	210	<10	<10	<5	0.57	<5	10	286	<1	19	90.1
155755 (2119009)	38	<10	<5	205	<10	<10	<5	0.58	<5	9	288	<1	21	78.4
155756 (2119010)	39	<10	<5	219	<10	<10	<5	0.51	<5	11	262	<1	20	85.4
155757 (2119011)	35	<10	<5	144	<10	<10	<5	0.72	<5	10	189	<1	34	79.4
155758 (2119012)	15	<10	<5	134	<10	<10	9	0.58	<5	8	57.2	1	59	240
155759 (2119013)	13	<10	<5	145	<10	<10	9	0.39	<5	7	54.8	<1	57	117
155760 (2119014)	<1	<10	<5	140	<10	<10	<5	<0.01	<5	6	0.7	<1	<1	28.8
155761 (2119015)	9	<10	<5	232	<10	<10	8	0.39	<5	8	47.6	<1	53	25.0
155762 (2119016)	22	<10	<5	157	<10	<10	6	0.73	<5	8	76.1	<1	61	116
155763 (2119017)	28	<10	<5	229	<10	<10	<5	0.63	<5	9	162	<1	43	152
155764 (2119018)	29	<10	<5	908	<10	<10	<5	0.82	<5	<5	195	<1	15	65.1
155765 (2119019)	28	<10	<5	508	<10	<10	<5	0.74	<5	9	189	<1	21	77.3
155766 (2119020)	33	<10	<5	217	<10	<10	<5	0.45	<5	10	218	<1	16	87.2
155767 (2119021)	32	<10	<5	225	<10	<10	<5	0.44	<5	10	199	<1	17	85.2
155768 (2119022)	38	<10	<5	168	<10	<10	<5	0.60	<5	10	273	<1	26	90.3
155769 (2119023)	38	<10	<5	152	<10	<10	<5	0.69	<5	10	330	<1	24	74.3

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155770 (2119024)	36	<10	<5	171	<10	<10	<5	0.71	<5	10	315	<1	23	75.8
155771 (2119025)	39	<10	<5	171	<10	<10	<5	0.62	<5	11	319	<1	22	77.1
155772 (2119026)	23	<10	<5	407	<10	<10	<5	0.30	<5	11	239	<1	24	46.7
155773 (2119027)	40	<10	<5	152	<10	<10	<5	0.58	<5	9	282	<1	21	80.4
155774 (2119028)	23	<10	<5	131	<10	<10	7	0.49	<5	9	127	<1	49	178
155775 (2119029)	39	<10	<5	191	<10	<10	<5	0.29	<5	8	201	<1	12	79.1
155776 (2119030)	35	<10	<5	172	<10	<10	<5	0.35	<5	9	198	<1	15	81.7
155777 (2119031)	32	<10	<5	206	<10	<10	<5	0.34	<5	8	197	<1	13	77.5
155778 (2119032)	20	<10	<5	156	<10	<10	6	0.38	<5	7	86.9	<1	38	55.1
155779 (2119033)	20	<10	<5	116	<10	<10	6	0.43	<5	8	89.2	<1	41	71.4
155780 (2119034)	11	<10	<5	278	<10	<10	<5	0.61	<5	13	111	1	11	116
155781 (2119035)	24	<10	<5	186	<10	<10	<5	0.24	<5	9	135	<1	8	89.8
155782 (2119036)	22	<10	<5	159	<10	<10	<5	0.28	<5	8	133	<1	10	97.2
155783 (2119037)	27	<10	<5	227	<10	<10	<5	0.21	<5	7	132	<1	10	58.2
155784 (2119038)	22	<10	<5	152	<10	<10	<5	0.19	<5	9	113	<1	6	105
155785 (2119039)	17	<10	<5	114	<10	<10	<5	0.14	<5	9	88.0	<1	5	123
155786 (2119040)	24	<10	<5	114	<10	<10	<5	0.17	<5	9	117	<1	6	118
155787 (2119041)	29	<10	<5	120	<10	<10	<5	0.31	<5	8	174	<1	12	112
155788 (2119042)	17	<10	<5	79	<10	<10	<5	0.16	<5	10	105	<1	6	137
155789 (2119043)	29	<10	<5	121	<10	<10	<5	0.61	<5	8	218	<1	24	81.2
155790 (2119044)	<1	<10	<5	120	<10	<10	<5	<0.01	<5	<5	0.9	<1	<1	12.5
155791 (2119045)	35	<10	<5	173	<10	<10	<5	0.31	<5	8	194	<1	12	76.9
155792 (2119046)	27	<10	<5	97	<10	<10	<5	0.19	<5	9	146	<1	10	99.7
155793 (2119047)	25	<10	<5	86	<10	<10	<5	0.12	<5	9	101	<1	4	107
155794 (2119048)	24	<10	<5	89	<10	<10	<5	0.10	<5	9	92.2	<1	3	113
155795 (2119049)	12	<10	<5	193	<10	<10	<5	0.08	<5	8	59.3	<1	3	74.3
155796 (2119050)	17	<10	<5	139	<10	<10	<5	0.11	<5	8	81.7	<1	4	164
155797 (2119051)	19	<10	<5	106	<10	<10	8	0.58	<5	9	49.3	<1	41	66.9
155798 (2119052)	28	<10	<5	148	<10	<10	7	0.86	<5	9	147	<1	44	71.9
155799 (2119053)	37	<10	<5	245	<10	<10	<5	0.82	<5	9	374	<1	27	71.1
155800 (2119054)	30	<10	<5	244	<10	<10	<5	0.53	<5	10	268	<1	20	79.2
155801 (2119055)	24	<10	<5	138	<10	<10	<5	0.30	<5	10	172	<1	11	104

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155802 (2119056)	23	<10	<5	146	<10	<10	<5	0.23	<5	10	150	<1	8	99.6
155803 (2119057)	20	<10	<5	161	<10	<10	<5	0.11	<5	8	85.4	<1	3	85.3
155804 (2119058)	23	<10	<5	137	<10	<10	<5	0.12	<5	8	96.1	<1	4	83.9
155805 (2119059)	23	<10	<5	131	<10	<10	<5	0.09	<5	8	80.7	<1	2	84.3
155806 (2119060)	30	<10	<5	149	<10	<10	<5	0.29	<5	9	173	<1	12	73.2
155807 (2119061)	27	<10	<5	72	<10	<10	<5	0.11	<5	9	98.3	<1	3	91.5
155808 (2119062)	18	<10	<5	194	<10	<10	<5	0.16	<5	9	124	<1	5	136
155809 (2119063)	8	<10	<5	190	<10	<10	<5	0.19	<5	10	197	<1	2	580
155810 (2119064)	11	<10	<5	266	<10	<10	<5	0.58	<5	14	112	1	11	115
155811 (2119065)	12	<10	<5	221	<10	<10	<5	0.24	<5	10	238	<1	3	163
155812 (2119066)	14	<10	<5	187	<10	<10	<5	0.21	<5	9	140	<1	6	109
155813 (2119067)	22	<10	<5	242	<10	<10	<5	0.83	<5	11	567	<1	3	153
155814 (2119068)	30	<10	<5	157	<10	<10	<5	1.01	<5	14	540	<1	<1	124

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AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155738 (2118992)	40
155739 (2118993)	53
155740 (2118994)	48
155741 (2118995)	53
155742 (2118996)	59
155743 (2118997)	59
155744 (2118998)	72
155745 (2118999)	58
155746 (2119000)	62
155747 (2119001)	54
155748 (2119002)	69
155749 (2119003)	59
155750 (2119004)	45
155751 (2119005)	60
155752 (2119006)	70
155753 (2119007)	63
155754 (2119008)	72
155755 (2119009)	77
155756 (2119010)	64
155757 (2119011)	81
155758 (2119012)	185
155759 (2119013)	162
155760 (2119014)	<5
155761 (2119015)	129
155762 (2119016)	142
155763 (2119017)	113
155764 (2119018)	121
155765 (2119019)	90
155766 (2119020)	53
155767 (2119021)	41
155768 (2119022)	62
155769 (2119023)	75

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AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155770 (2119024)	72
155771 (2119025)	82
155772 (2119026)	39
155773 (2119027)	59
155774 (2119028)	125
155775 (2119029)	32
155776 (2119030)	43
155777 (2119031)	38
155778 (2119032)	132
155779 (2119033)	140
155780 (2119034)	49
155781 (2119035)	23
155782 (2119036)	35
155783 (2119037)	35
155784 (2119038)	22
155785 (2119039)	18
155786 (2119040)	20
155787 (2119041)	44
155788 (2119042)	21
155789 (2119043)	93
155790 (2119044)	<5
155791 (2119045)	36
155792 (2119046)	20
155793 (2119047)	10
155794 (2119048)	9
155795 (2119049)	7
155796 (2119050)	11
155797 (2119051)	196
155798 (2119052)	158
155799 (2119053)	87
155800 (2119054)	54
155801 (2119055)	38

Certified By:

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AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155802 (2119056)	23
155803 (2119057)	12
155804 (2119058)	10
155805 (2119059)	6
155806 (2119060)	35
155807 (2119061)	8
155808 (2119062)	14
155809 (2119063)	7
155810 (2119064)	50
155811 (2119065)	8
155812 (2119066)	16
155813 (2119067)	9
155814 (2119068)	5

Comments: RDL - Reported Detection Limit

2118992-2119068 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155738 (2118992)	9	16	17
155739 (2118993)	5	24	22
155740 (2118994)	5	27	26
155741 (2118995)	5	20	20
155742 (2118996)	5	22	24
155743 (2118997)	4	14	12
155744 (2118998)	2	13	14
155745 (2118999)	4	13	16
155746 (2119000)	4	12	9
155747 (2119001)	4	15	14
155748 (2119002)	3	18	25
155749 (2119003)	4	21	16
155750 (2119004)	145	1380	697
155751 (2119005)	5	16	10
155752 (2119006)	4	16	9
155753 (2119007)	3	18	14
155754 (2119008)	8	21	18
155755 (2119009)	4	25	11
155756 (2119010)	3	29	13
155757 (2119011)	5	10	8
155758 (2119012)	2	<1	<5
155759 (2119013)	2	3	<5
155760 (2119014)	1	<1	<5
155761 (2119015)	1	<1	<5
155762 (2119016)	1	<1	<5
155763 (2119017)	17	7	9
155764 (2119018)	3	8	5
155765 (2119019)	2	23	<5
155766 (2119020)	2	14	10
155767 (2119021)	2	9	7
155768 (2119022)	1	17	17
155769 (2119023)	10	12	18

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155770 (2119024)	7	13	25
155771 (2119025)	5	10	12
155772 (2119026)	1	12	25
155773 (2119027)	1	19	21
155774 (2119028)	3	4	<5
155775 (2119029)	2	8	7
155776 (2119030)	2	6	7
155777 (2119031)	2	6	7
155778 (2119032)	3	3	<5
155779 (2119033)	5	5	<5
155780 (2119034)	149	1340	717
155781 (2119035)	3	15	15
155782 (2119036)	4	43	176
155783 (2119037)	3	42	11
155784 (2119038)	2	11	11
155785 (2119039)	12	208	34
155786 (2119040)	5	16	9
155787 (2119041)	6	31	10
155788 (2119042)	6	22	13
155789 (2119043)	8	9	<5
155790 (2119044)	<1	<1	<5
155791 (2119045)	3	11	5
155792 (2119046)	18	166	93
155793 (2119047)	7	54	32
155794 (2119048)	10	222	35
155795 (2119049)	13	9	<5
155796 (2119050)	43	481	128
155797 (2119051)	16	67	18
155798 (2119052)	18	95	18
155799 (2119053)	6	1	<5
155800 (2119054)	73	486	169
155801 (2119055)	90	492	129

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155802 (2119056)	94	592	184
155803 (2119057)	63	675	214
155804 (2119058)	54	645	199
155805 (2119059)	30	304	83
155806 (2119060)	18	79	62
155807 (2119061)	3	41	11
155808 (2119062)	22	113	50
155809 (2119063)	46	368	107
155810 (2119064)	152	1390	723
155811 (2119065)	26	24	9
155812 (2119066)	19	10	<5
155813 (2119067)	6	<1	<5
155814 (2119068)	9	<1	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155738 (2118992)	79.77
155749 (2119003)	75.38
155763 (2119017)	75.13
155775 (2119029)	79.05
155788 (2119042)	78.96
155799 (2119053)	76.00
155812 (2119066)	75.85

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155740 (2118994)	88.31
155757 (2119011)	89.95
155778 (2119032)	89.64
155795 (2119049)	86.55

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2118992	< 0.5	< 0.5	0.0%	2119007	< 0.5	< 0.5	0.0%	2119017	< 0.5	< 0.5	0.0%	2119032	< 0.5	< 0.5	0.0%
Al	2118992	7.94	7.84	1.3%	2119007	7.29	7.28	0.1%	2119017	7.18	7.24	0.8%	2119032	8.16	8.14	0.2%
As	2118992	< 1	< 1	0.0%	2119007	< 1	< 1	0.0%	2119017	< 1	< 1	0.0%	2119032	< 1	< 1	0.0%
Ba	2118992	126	117	7.4%	2119007	285	284	0.4%	2119017	284	288	1.4%	2119032	225	225	0.0%
Be	2118992	0.75	0.75	0.0%	2119007	1.0	1.0	0.0%	2119017	1.47	1.44	2.1%	2119032	1.2	1.2	0.0%
Bi	2118992	< 1	< 1	0.0%	2119007	< 1	< 1	0.0%	2119017	< 1	< 1	0.0%	2119032	< 1	< 1	0.0%
Ca	2118992	8.33	8.58	3.0%	2119007	5.83	5.79	0.7%	2119017	5.83	5.74	1.6%	2119032	4.87	4.83	0.8%
Cd	2118992	< 0.5	< 0.5	0.0%	2119007	< 0.5	< 0.5	0.0%	2119017	< 0.5	< 0.5	0.0%	2119032	< 0.5	< 0.5	0.0%
Ce	2118992	18	18	0.0%	2119007	28	28	0.0%	2119017	59	61	3.3%	2119032	53	54	1.9%
Co	2118992	34.9	34.4	1.4%	2119007	41.4	41.7	0.7%	2119017	35.3	36.0	2.0%	2119032	24.2	24.2	0.0%
Cr	2118992	79.9	74.3	7.3%	2119007	97.6	100	2.4%	2119017	74.4	91.2	20.3%	2119032	93.8	103	9.3%
Cu	2118992	106	108	1.9%	2119007	61.1	62.5	2.3%	2119017	100	97.2	2.8%	2119032	47.9	48.8	1.9%
Fe	2118992	8.47	8.70	2.7%	2119007	8.91	8.89	0.2%	2119017	8.22	8.03	2.3%	2119032	5.06	5.00	1.2%
Ga	2118992	24	22	8.7%	2119007	20	21	4.9%	2119017	21	21	0.0%	2119032	16	16	0.0%
In	2118992	< 1	< 1	0.0%	2119007	< 1	< 1	0.0%	2119017	< 1	< 1	0.0%	2119032	< 1	< 1	0.0%
K	2118992	0.456	0.427	6.6%	2119007	1.10	1.10	0.0%	2119017	1.12	1.09	2.7%	2119032	0.807	0.804	0.4%
La	2118992	7	8	13.3%	2119007	11	11	0.0%	2119017	24	26	8.0%	2119032	23	23	0.0%
Li	2118992	13	12	8.0%	2119007	20	20	0.0%	2119017	16	16	0.0%	2119032	15	15	0.0%
Mg	2118992	2.82	2.88	2.1%	2119007	3.24	3.22	0.6%	2119017	2.34	2.31	1.3%	2119032	2.45	2.43	0.8%
Mn	2118992	1340	1360	1.5%	2119007	1430	1420	0.7%	2119017	1140	1130	0.9%	2119032	887	886	0.1%
Mo	2118992	< 0.5	< 0.5	0.0%	2119007	< 0.5	< 0.5	0.0%	2119017	0.7	0.5		2119032	0.6	< 0.5	
Na	2118992	1.51	1.62	7.0%	2119007	1.54	1.53	0.7%	2119017	2.56	2.59	1.2%	2119032	3.04	3.04	0.0%
Ni	2118992	48.2	48.3	0.2%	2119007	56.8	57.2	0.7%	2119017	32.6	33.6	3.0%	2119032	40.5	41.0	1.2%
P	2118992	293	297	1.4%	2119007	486	486	0.0%	2119017	1460	1470	0.7%	2119032	776	799	2.9%
Pb	2118992	< 1	< 1	0.0%	2119007	2	2	0.0%	2119017	40	45	11.8%	2119032	1	2	
Rb	2118992	14	13	7.4%	2119007	32	32	0.0%	2119017	31	32	3.2%	2119032	23	23	0.0%
S	2118992	0.14	0.14	0.0%	2119007	0.093	0.096	3.2%	2119017	0.20	0.20	0.0%	2119032	0.11	0.11	0.0%
Sb	2118992	< 1	< 1	0.0%	2119007	< 1	< 1	0.0%	2119017	< 1	< 1	0.0%	2119032	< 1	< 1	0.0%
Sc	2118992	32	33	3.1%	2119007	36	36	0.0%	2119017	28	28	0.0%	2119032	20	20	0.0%
Se	2118992	< 10	< 10	0.0%	2119007	< 10	< 10	0.0%	2119017	< 10	< 10	0.0%	2119032	< 10	< 10	0.0%
Sn	2118992	< 5	< 5	0.0%	2119007	< 5	< 5	0.0%	2119017	< 5	< 5	0.0%	2119032	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2118992	206	205	0.5%	2119007	197	196	0.5%	2119017	229	233	1.7%	2119032	156	155	0.6%
Ta	2118992	< 10	< 10	0.0%	2119007	< 10	< 10	0.0%	2119017	< 10	< 10	0.0%	2119032	< 10	< 10	0.0%
Te	2118992	< 10	< 10	0.0%	2119007	< 10	< 10	0.0%	2119017	< 10	< 10	0.0%	2119032	< 10	< 10	0.0%
Th	2118992	< 5	< 5	0.0%	2119007	< 5	< 5	0.0%	2119017	5	5	0.0%	2119032	6	6	0.0%
Ti	2118992	0.46	0.49	6.3%	2119007	0.51	0.51	0.0%	2119017	0.627	0.589	6.3%	2119032	0.384	0.389	1.3%
Tl	2118992	< 5	< 5	0.0%	2119007	< 5	< 5	0.0%	2119017	< 5	< 5	0.0%	2119032	< 5	< 5	0.0%
U	2118992	10	10	0.0%	2119007	11	10	9.5%	2119017	9	9	0.0%	2119032	7	7	0.0%
V	2118992	304	304	0.0%	2119007	251	251	0.0%	2119017	162	160	1.2%	2119032	86.9	89.1	2.5%
W	2118992	< 1	< 1	0.0%	2119007	< 1	< 1	0.0%	2119017	< 1	< 1	0.0%	2119032	< 1	< 1	0.0%
Y	2118992	13	14	7.4%	2119007	19	20	5.1%	2119017	43	44	2.3%	2119032	38	40	5.1%
Zn	2118992	65.4	67.7	3.5%	2119007	90.4	90.6	0.2%	2119017	152	152	0.0%	2119032	55.1	54.6	0.9%
Zr	2118992	40	41	2.5%	2119007	63	62	1.6%	2119017	113	121	6.8%	2119032	132	134	1.5%
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	2119042	< 0.5	< 0.5	0.0%	2119057	0.6	0.9		2119067	< 0.5	< 0.5	0.0%				
Al	2119042	7.93	8.20	3.3%	2119057	9.25	8.87	4.2%	2119067	9.20	9.23	0.3%				
As	2119042	< 1	< 1	0.0%	2119057	< 1	< 1	0.0%	2119067	< 1	< 1	0.0%				
Ba	2119042	36	42	15.4%	2119057	148	142	4.1%	2119067	228	256	11.6%				
Be	2119042	< 0.5	< 0.5	0.0%	2119057	< 0.5	< 0.5	0.0%	2119067	0.84	0.86	2.4%				
Bi	2119042	< 1	< 1	0.0%	2119057	< 1	< 1	0.0%	2119067	< 1	< 1	0.0%				
Ca	2119042	4.64	4.85	4.4%	2119057	5.36	5.15	4.0%	2119067	5.36	4.92	8.6%				
Cd	2119042	< 0.5	< 0.5	0.0%	2119057	0.7	0.7	0.0%	2119067	< 0.5	< 0.5	0.0%				
Ce	2119042	9	9	0.0%	2119057	4	4	0.0%	2119067	4	4	0.0%				
Co	2119042	69.3	67.2	3.1%	2119057	76.1	75.3	1.1%	2119067	50.4	56.5	11.4%				
Cr	2119042	163	157	3.8%	2119057	229	255	10.7%	2119067	87.0	81.3	6.8%				
Cu	2119042	85.2	93.1	8.9%	2119057	1680	1620	3.6%	2119067	172	176	2.3%				
Fe	2119042	9.60	9.43	1.8%	2119057	7.09	6.80	4.2%	2119067	11.7	12.0	2.5%				
Ga	2119042	16	18	11.8%	2119057	15	14	6.9%	2119067	27	28	3.6%				
In	2119042	< 1	< 1	0.0%	2119057	< 1	< 1	0.0%	2119067	< 1	< 1	0.0%				
K	2119042	0.12	0.13	8.0%	2119057	0.504	0.484	4.0%	2119067	1.30	1.46	11.6%				
La	2119042	3	3	0.0%	2119057	< 2	< 2	0.0%	2119067	< 2	< 2	0.0%				
Li	2119042	37	37	0.0%	2119057	30	30	0.0%	2119067	43	47	8.9%				
Mg	2119042	7.49	7.45	0.5%	2119057	6.08	5.85	3.9%	2119067	5.51	5.88	6.5%				
Mn	2119042	1640	1620	1.2%	2119057	1170	1120	4.4%	2119067	1240	1280	3.2%				

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ATTENTION TO: Garry Clark

Mo	2119042	< 0.5	< 0.5	0.0%	2119057	< 0.5	< 0.5	0.0%	2119067	< 0.5	< 0.5	0.0%				
Na	2119042	1.29	1.40	8.2%	2119057	1.53	1.47	4.0%	2119067	0.66	0.66	0.0%				
Ni	2119042	263	258	1.9%	2119057	508	509	0.2%	2119067	67.2	70.0	4.1%				
P	2119042	143	144	0.7%	2119057	75	72	4.1%	2119067	72	62	14.9%				
Pb	2119042	1	2		2119057	2	3		2119067	33	19					
Rb	2119042	< 10	< 10	0.0%	2119057	15	15	0.0%	2119067	56	65	14.9%				
S	2119042	0.072	0.077	6.7%	2119057	0.56	0.52	7.4%	2119067	0.342	0.382	11.0%				
Sb	2119042	2	< 1		2119057	< 1	2		2119067	< 1	< 1	0.0%				
Sc	2119042	17	18	5.7%	2119057	20	20	0.0%	2119067	22	24	8.7%				
Se	2119042	< 10	< 10	0.0%	2119057	< 10	< 10	0.0%	2119067	< 10	< 10	0.0%				
Sn	2119042	< 5	< 5	0.0%	2119057	< 5	< 5	0.0%	2119067	< 5	< 5	0.0%				
Sr	2119042	79	88	10.8%	2119057	161	154	4.4%	2119067	242	210	14.2%				
Ta	2119042	< 10	< 10	0.0%	2119057	< 10	< 10	0.0%	2119067	< 10	< 10	0.0%				
Te	2119042	< 10	< 10	0.0%	2119057	< 10	< 10	0.0%	2119067	< 10	< 10	0.0%				
Th	2119042	< 5	< 5	0.0%	2119057	< 5	< 5	0.0%	2119067	< 5	< 5	0.0%				
Ti	2119042	0.16	0.16	0.0%	2119057	0.11	0.11	0.0%	2119067	0.83	0.88	5.8%				
Tl	2119042	< 5	< 5	0.0%	2119057	< 5	< 5	0.0%	2119067	< 5	< 5	0.0%				
U	2119042	10	10	0.0%	2119057	8	8	0.0%	2119067	11	13	16.7%				
V	2119042	105	107	1.9%	2119057	85.4	85.2	0.2%	2119067	567	565	0.4%				
W	2119042	< 1	< 1	0.0%	2119057	< 1	< 1	0.0%	2119067	< 1	< 1	0.0%				
Y	2119042	6	6	0.0%	2119057	3	3	0.0%	2119067	3	2					
Zn	2119042	137	136	0.7%	2119057	85.3	83.5	2.1%	2119067	153	141	8.2%				
Zr	2119042	21	20	4.9%	2119057	12	11	8.7%	2119067	9	8	11.8%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2118992	9	7	25.0%	2119007	3	3	0.0%	2119017	17	11		2119032	3	2	
Pd	2118992	16	16	0.0%	2119007	18	18	0.0%	2119017	7	7	0.0%	2119032	3	3	0.0%
Pt	2118992	17	14	19.4%	2119007	14	13	7.4%	2119017	9	< 5		2119032	< 5	< 5	0.0%

	REPLICATE #5				REPLICATE #6			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2119042	6	4		2119057	63	71	11.9%
Pd	2119042	22	21	4.7%	2119057	675	663	1.8%
Pt	2119042	13	11	16.7%	2119057	214	216	0.9%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.57	101%	90% - 110%	6.96	7.12	102%	90% - 110%	13.0	13.3	102%	90% - 110%	8.47	8.48	100%	90% - 110%
As	26	27	103%	90% - 110%	124	124	100%	90% - 110%					26	26	99%	90% - 110%
Ba	540	513	95%	90% - 110%	186	182	98%	90% - 110%	1305	1285	98%	90% - 110%	540	502	93%	90% - 110%
Be	4.0	3.3	83%	90% - 110%									4.0	3.3	83%	90% - 110%
Ca	0.907	0.882	97%	90% - 110%	4.01	3.87	97%	90% - 110%	1.42	1.39	98%	90% - 110%	0.907	0.868	96%	90% - 110%
Ce	98	105	107%	90% - 110%	24	23	94%	90% - 110%	58.24	60.3	104%	90% - 110%	98	100	102%	90% - 110%
Co	13	13	99%	90% - 110%	22.1	19.5	88%	90% - 110%					13	13	101%	90% - 110%
Cr	60.3	59.3	98%	90% - 110%									60.3	59.4	99%	90% - 110%
Cu	150	152	101%	90% - 110%	88.6	86	97%	90% - 110%					150	150	100%	90% - 110%
Fe	3.77	3.81	101%	90% - 110%	7.56	7.68	102%	90% - 110%	3.27	3.3	101%	90% - 110%	3.77	3.71	98%	90% - 110%
Ga									22.63	21.07	93%	90% - 110%				
K					2.021	2.127	105%	90% - 110%	3.69	3.87	105%	90% - 110%				
La	44	45	102%	90% - 110%					27.48	28.21	103%	90% - 110%	44	43	97%	90% - 110%
Li	47	48	103%	90% - 110%					64.95	67.81	104%	90% - 110%	47	47	100%	90% - 110%
Mg	1.10	1.09	99%	90% - 110%	2.412	2.421	100%	90% - 110%	0.223	0.23	103%	90% - 110%	1.10	1.07	98%	90% - 110%
Mn	780	761	98%	90% - 110%	1510	1483	98%	90% - 110%					780	747	96%	90% - 110%
Mo	14	13	91%	90% - 110%									14	13	95%	90% - 110%
Na	1.624	1.72	106%	90% - 110%	0.617	0.644	104%	90% - 110%	7.24	7.24	100%	90% - 110%	1.624	1.674	103%	90% - 110%
Ni	32	33	104%	90% - 110%	77.1	72.5	94%	90% - 110%					32	33	104%	90% - 110%
P	750	766	102%	90% - 110%	892	894	100%	90% - 110%					750	760	101%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	130	90%	90% - 110%					85.36	91.54	107%	90% - 110%	143	132	92%	90% - 110%
S					0.348	0.392	113%	90% - 110%								
Sc	12	12	102%	90% - 110%					2.76	2.2	80%	90% - 110%	12	12	101%	90% - 110%
Sr	144	144	100%	90% - 110%	92.8	85.5	92%	90% - 110%	312	308	99%	90% - 110%	144	142	99%	90% - 110%
Th	18.4	18	98%	90% - 110%									18.4	17.9	97%	90% - 110%
Ti	0.53	0.49	92%	90% - 110%					0.222	0.232	104%	90% - 110%	0.53	0.49	92%	90% - 110%
V	77	80	104%	90% - 110%									77	79	103%	90% - 110%
W	5	4	71%	90% - 110%									5	5	96%	90% - 110%
Y									25.32	25.33	100%	90% - 110%				
Zn	130	125	96%	90% - 110%	208	223	107%	90% - 110%	75.42	78.89	105%	90% - 110%	130	118	91%	90% - 110%

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AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

	CRM #5 (ref.GTS-2a)															
Parameter	Expect	Actual	Recovery	Limits												
Al	6.96	6.98	100%	90% - 110%												
As	124	121	97%	90% - 110%												
Ba	186	177	95%	90% - 110%												
Ca	4.01	3.69	92%	90% - 110%												
Ce	24	23	94%	90% - 110%												
Co	22.1	21	95%	90% - 110%												
Cu	88.6	84.1	95%	90% - 110%												
Fe	7.56	6.93	92%	90% - 110%												
K	2.021	2.068	102%	90% - 110%												
Mg	2.412	2.305	96%	90% - 110%												
Mn	1510	1405	93%	90% - 110%												
Na	0.617	0.621	101%	90% - 110%												
Ni	77.1	71.8	93%	90% - 110%												
P	892	866	97%	90% - 110%												
S	0.348	0.337	97%	90% - 110%												
Sr	92.8	83.9	90%	90% - 110%												
Zn	208	190	91%	90% - 110%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	2003	106%	90% - 110%	1897	2031	107%	90% - 110%	1897	1915	101%	90% - 110%	1897	2090	110%	90% - 110%
Pd	1660	1727	104%	90% - 110%	1660	1647	99%	90% - 110%	1660	1626	98%	90% - 110%	1660	1755	106%	90% - 110%
Pt	223	243	109%	90% - 110%	223	237	106%	90% - 110%	223	219	98%	90% - 110%	223	225	101%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
AGAT WORK ORDER: 21T711299
PROJECT: EAST BULL
ATTENTION TO: Garry Clark
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T711299

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T711300

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Mar 25, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155815 (2119116)	2.5884
155816 (2119117)	1.9761
155817 (2119118)	2.1061
155818 (2119119)	2.2761
155819 (2119120)	2.4513
155820 (2119121)	0.7707
155821 (2119122)	2.1741
155822 (2119123)	2.6681
155823 (2119124)	2.2251
155824 (2119125)	2.2876
155825 (2119126)	2.3268
155826 (2119127)	2.4059
155827 (2119128)	2.3171
155828 (2119129)	2.2991
155829 (2119130)	1.1357
155830 (2119131)	1.0842
155831 (2119132)	2.4394
155832 (2119133)	2.4282
155833 (2119134)	2.2156
155834 (2119135)	2.3952
155835 (2119136)	2.3675
155836 (2119137)	2.1904
155837 (2119138)	2.2995
155838 (2119139)	2.2497
155839 (2119140)	2.3304
155840 (2119141)	0.1065
155841 (2119142)	2.3524
155842 (2119143)	2.4592
155843 (2119144)	2.3294
155844 (2119145)	2.3081
155845 (2119146)	2.2065

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155846 (2119147)	2.3422
155847 (2119148)	2.3536
155848 (2119149)	2.2076
155849 (2119150)	2.2255
155850 (2119151)	0.9252
155851 (2119152)	2.4203
155852 (2119153)	2.4735
155853 (2119154)	2.3255
155854 (2119155)	2.2881
155855 (2119156)	2.3546
155856 (2119157)	2.3726
155857 (2119158)	2.2736
155858 (2119159)	2.3436
155859 (2119160)	2.3847
155860 (2119161)	2.2451
155861 (2119162)	1.0639
155862 (2119163)	1.0102
155863 (2119164)	2.2732
155864 (2119165)	2.2649
155865 (2119166)	2.3499
155866 (2119167)	2.3504
155867 (2119168)	2.3158
155868 (2119169)	2.2967
155869 (2119170)	2.4122
155870 (2119171)	0.1065
155871 (2119172)	2.3807
155872 (2119173)	2.3523
155873 (2119174)	2.3254
155874 (2119175)	2.3551
155875 (2119176)	2.3811
155876 (2119177)	2.2581

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155877 (2119178)	2.3141
155878 (2119179)	2.3799
155879 (2119180)	2.5298
155880 (2119181)	0.7707
155881 (2119182)	2.4222
155882 (2119183)	2.3373
155883 (2119184)	2.2354
155884 (2119185)	2.3851
155885 (2119186)	2.5411
155886 (2119187)	2.6065
155887 (2119188)	2.5801
155888 (2119189)	1.1742
155889 (2119190)	1.1262
155890 (2119191)	2.6241
155891 (2119192)	2.4849

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155815 (2119116)	<0.5	7.92	<1	116	<0.5	<1	3.53	1.1	1	73.2	132	222	9.76	21
155816 (2119117)	<0.5	7.20	<1	119	<0.5	<1	4.74	5.5	7	74.6	240	472	8.33	10
155817 (2119118)	1.5	9.98	<1	90	<0.5	<1	4.60	1.1	3	99.0	147	1950	7.08	8
155818 (2119119)	1.1	9.03	<1	85	<0.5	<1	5.11	1.0	9	90.0	117	1490	7.02	7
155819 (2119120)	<0.5	11.5	<1	125	<0.5	<1	6.30	<0.5	4	59.7	201	1000	6.92	11
155820 (2119121)	<0.5	0.04	<1	557	<0.5	<1	20.9	<0.5	<1	<0.5	6.6	<0.5	0.05	<5
155821 (2119122)	<0.5	10.2	<1	189	<0.5	<1	6.77	<0.5	6	55.3	181	10.0	7.58	17
155822 (2119123)	<0.5	9.54	<1	130	<0.5	<1	6.63	<0.5	9	71.1	115	32.3	8.39	15
155823 (2119124)	<0.5	9.49	<1	134	<0.5	<1	6.55	<0.5	5	70.8	196	20.0	7.05	13
155824 (2119125)	<0.5	7.95	<1	81	<0.5	2	6.15	<0.5	5	71.5	154	47.5	7.77	9
155825 (2119126)	<0.5	9.68	<1	128	<0.5	<1	6.40	<0.5	6	47.9	296	27.3	5.47	12
155826 (2119127)	<0.5	9.19	<1	140	<0.5	<1	6.61	<0.5	6	50.1	208	9.9	7.20	16
155827 (2119128)	<0.5	9.81	<1	232	<0.5	<1	6.93	<0.5	9	38.3	158	32.7	5.73	14
155828 (2119129)	<0.5	10.1	<1	179	<0.5	<1	6.88	<0.5	11	35.5	110	49.8	5.59	17
155829 (2119130)	<0.5	9.48	<1	282	<0.5	<1	6.91	<0.5	11	37.6	164	36.6	5.94	16
155830 (2119131)	<0.5	9.05	<1	260	<0.5	<1	6.69	<0.5	11	40.1	160	39.3	5.93	16
155831 (2119132)	<0.5	6.82	<1	171	<0.5	<1	7.83	<0.5	11	58.2	352	43.3	8.72	12
155832 (2119133)	<0.5	6.29	<1	112	<0.5	<1	7.28	<0.5	9	81.4	340	76.1	9.89	10
155833 (2119134)	<0.5	8.79	<1	116	<0.5	<1	6.55	<0.5	6	55.6	159	50.5	6.48	13
155834 (2119135)	<0.5	9.94	<1	112	<0.5	<1	7.67	<0.5	7	31.2	224	40.0	4.66	14
155835 (2119136)	<0.5	9.51	<1	92	<0.5	<1	8.03	<0.5	7	32.8	273	87.6	4.90	15
155836 (2119137)	<0.5	9.79	<1	115	<0.5	<1	7.88	<0.5	7	32.2	218	44.4	4.78	15
155837 (2119138)	<0.5	9.82	<1	111	<0.5	<1	7.09	<0.5	8	29.8	191	39.4	4.72	14
155838 (2119139)	<0.5	9.44	<1	122	<0.5	<1	6.86	<0.5	9	31.9	247	32.3	5.33	14
155839 (2119140)	<0.5	9.35	<1	145	<0.5	<1	7.22	<0.5	8	34.3	178	68.2	5.05	14
155840 (2119141)	3.9	6.63	<1	281	0.6	<1	3.91	0.7	26	161	239	7240	15.2	<5
155841 (2119142)	<0.5	11.5	<1	195	<0.5	<1	7.88	<0.5	6	31.4	211	64.1	5.29	15
155842 (2119143)	<0.5	9.29	<1	65	0.6	<1	6.51	<0.5	20	30.3	264	101	5.44	14
155843 (2119144)	<0.5	9.49	<1	64	<0.5	<1	7.89	<0.5	8	42.0	179	32.9	6.84	15
155844 (2119145)	<0.5	9.65	<1	116	<0.5	<1	7.22	<0.5	9	32.5	189	87.2	4.96	15
155845 (2119146)	<0.5	10.5	<1	102	<0.5	<1	6.40	<0.5	6	35.0	145	45.7	4.85	14
155846 (2119147)	<0.5	8.10	<1	67	<0.5	<1	5.86	<0.5	5	54.9	148	199	6.56	12

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155847 (2119148)	1.0	7.38	<1	47	<0.5	2	6.17	0.6	4	87.9	134	1090	7.74	10
155848 (2119149)	<0.5	7.13	<1	32	<0.5	1	5.29	<0.5	6	83.2	164	191	9.09	8
155849 (2119150)	<0.5	7.39	<1	53	<0.5	1	5.25	<0.5	10	67.0	103	197	7.44	9
155850 (2119151)	<0.5	0.04	<1	1240	<0.5	<1	18.3	<0.5	<1	<0.5	6.9	1.3	0.07	<5
155851 (2119152)	0.5	7.19	<1	226	<0.5	<1	5.93	<0.5	8	79.3	140	337	8.09	9
155852 (2119153)	<0.5	5.64	<1	14	<0.5	3	4.88	<0.5	5	102	97.4	93.0	10.1	<5
155853 (2119154)	<0.5	6.02	<1	5	<0.5	<1	4.98	<0.5	8	93.3	183	56.0	11.7	12
155854 (2119155)	<0.5	7.89	<1	47	<0.5	<1	5.81	<0.5	13	54.0	143	37.8	8.01	12
155855 (2119156)	<0.5	8.28	<1	46	<0.5	<1	5.69	<0.5	7	66.0	157	180	9.22	14
155856 (2119157)	0.5	8.40	<1	44	<0.5	<1	8.44	<0.5	11	48.4	117	63.2	7.27	13
155857 (2119158)	<0.5	9.28	<1	84	<0.5	<1	6.79	<0.5	6	45.1	349	42.6	5.84	13
155858 (2119159)	<0.5	6.06	<1	25	<0.5	2	7.13	<0.5	6	79.5	325	187	8.59	7
155859 (2119160)	<0.5	8.65	<1	56	<0.5	<1	6.99	<0.5	8	54.4	174	60.5	6.74	13
155860 (2119161)	<0.5	7.94	<1	37	<0.5	<1	6.09	<0.5	14	66.9	138	75.9	8.10	10
155861 (2119162)	0.8	10.0	<1	52	<0.5	<1	5.28	<0.5	6	78.1	150	817	7.43	12
155862 (2119163)	0.7	9.79	<1	58	<0.5	<1	5.10	<0.5	5	72.8	134	738	7.04	11
155863 (2119164)	0.9	10.8	<1	106	<0.5	<1	5.72	0.7	3	66.6	127	1440	6.09	11
155864 (2119165)	<0.5	11.0	<1	55	<0.5	<1	5.66	<0.5	9	70.4	111	619	7.93	14
155865 (2119166)	0.5	8.57	<1	37	<0.5	<1	5.65	0.5	12	61.5	219	932	7.65	11
155866 (2119167)	0.8	11.3	<1	72	<0.5	2	5.00	0.5	4	58.2	128	913	7.71	11
155867 (2119168)	<0.5	9.55	<1	23	<0.5	3	7.54	<0.5	5	64.2	116	383	9.90	15
155868 (2119169)	0.9	7.40	<1	20	<0.5	<1	5.14	0.5	10	49.3	419	776	7.15	9
155869 (2119170)	0.8	8.24	<1	13	<0.5	3	4.27	<0.5	6	71.1	352	835	8.58	9
155870 (2119171)	3.6	6.69	<1	283	0.6	<1	4.06	0.7	26	160	237	6680	14.0	<5
155871 (2119172)	1.1	7.68	<1	53	<0.5	1	5.34	0.8	4	60.2	637	1370	7.18	8
155872 (2119173)	1.0	8.62	<1	67	<0.5	<1	5.01	0.8	18	54.9	424	1180	6.43	10
155873 (2119174)	1.3	7.80	<1	18	<0.5	<1	5.44	1.2	9	73.3	456	1530	8.33	12
155874 (2119175)	<0.5	9.03	<1	72	<0.5	<1	4.72	<0.5	8	34.6	204	155	5.64	15
155875 (2119176)	<0.5	10.4	<1	46	<0.5	<1	8.22	<0.5	<1	33.7	115	253	7.14	27
155876 (2119177)	<0.5	10.1	<1	75	<0.5	<1	7.17	<0.5	<1	29.8	150	89.1	5.76	22
155877 (2119178)	0.6	9.64	<1	65	<0.5	<1	5.57	<0.5	33	25.3	147	386	5.23	19
155878 (2119179)	<0.5	10.1	<1	43	<0.5	<1	6.47	<0.5	15	35.2	177	194	7.35	23

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155879 (2119180)	<0.5	10.0	<1	244	<0.5	<1	6.84	<0.5	<1	41.5	102	257	7.91	25
155880 (2119181)	<0.5	0.12	<1	871	<0.5	<1	6.73	<0.5	3	<0.5	29.6	8.4	0.13	<5
155881 (2119182)	<0.5	8.59	<1	106	<0.5	<1	6.61	<0.5	5	39.8	283	261	7.93	20
155882 (2119183)	<0.5	8.04	<1	238	<0.5	<1	6.44	<0.5	17	50.8	167	120	8.09	15
155883 (2119184)	<0.5	7.72	<1	158	<0.5	<1	6.04	<0.5	21	52.3	104	121	8.56	17
155884 (2119185)	1.0	7.29	<1	132	<0.5	<1	5.69	0.6	21	69.7	136	1910	10.3	15
155885 (2119186)	1.6	7.24	<1	239	<0.5	<1	6.52	0.6	33	85.3	122	3570	11.8	17
155886 (2119187)	3.7	6.89	<1	439	<0.5	<1	5.85	0.6	29	89.0	223	3410	12.0	17
155887 (2119188)	1.4	6.72	<1	375	<0.5	<1	5.84	<0.5	29	87.3	201	3160	11.3	18
155888 (2119189)	1.9	6.97	<1	286	<0.5	<1	5.84	<0.5	28	85.6	176	4070	10.9	16
155889 (2119190)	1.3	7.34	<1	318	<0.5	<1	5.89	<0.5	27	88.7	120	3120	11.5	16
155890 (2119191)	1.1	6.77	<1	296	<0.5	<1	6.12	<0.5	30	70.2	219	2500	10.4	17
155891 (2119192)	1.5	6.80	<1	337	<0.5	<1	5.88	<0.5	27	85.3	140	3310	11.2	18

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AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155815 (2119116)	<1	0.39	<2	50	6.04	1230	<0.5	1.44	76.0	30	1	20	0.78	<1
155816 (2119117)	<1	0.55	3	60	8.57	1450	<0.5	1.18	256	146	2	28	0.29	<1
155817 (2119118)	<1	0.56	<2	54	5.95	1070	<0.5	1.56	808	82	<1	29	0.32	1
155818 (2119119)	<1	0.50	4	50	6.46	1160	<0.5	1.46	680	208	1	25	0.26	<1
155819 (2119120)	<1	0.38	2	45	5.11	1090	<0.5	2.26	533	83	<1	17	0.21	<1
155820 (2119121)	3	<0.01	3	6	13.5	439	<0.5	<0.01	1.5	35	<1	<10	0.33	<1
155821 (2119122)	<1	0.68	3	39	4.88	1140	<0.5	1.87	180	128	<1	26	0.11	<1
155822 (2119123)	<1	0.60	5	42	6.15	1330	<0.5	1.51	255	182	<1	27	0.11	<1
155823 (2119124)	<1	0.83	2	40	6.27	1260	<0.5	1.45	282	97	<1	39	0.11	4
155824 (2119125)	<1	0.39	2	45	7.10	1320	<0.5	1.01	318	97	<1	16	0.09	<1
155825 (2119126)	<1	0.73	2	40	4.80	998	<0.5	1.77	196	110	<1	31	0.09	6
155826 (2119127)	<1	0.46	3	37	5.01	1160	<0.5	1.82	162	110	<1	18	0.10	2
155827 (2119128)	<1	0.70	4	26	3.55	956	<0.5	1.89	114	174	<1	28	0.10	<1
155828 (2119129)	<1	0.60	5	20	3.08	921	<0.5	1.89	91.7	205	<1	24	0.10	<1
155829 (2119130)	<1	0.95	5	20	3.49	1000	<0.5	1.94	112	203	<1	38	0.10	<1
155830 (2119131)	<1	0.89	5	20	3.55	1010	<0.5	1.79	118	193	<1	36	0.10	<1
155831 (2119132)	<1	0.50	4	16	5.88	1640	<0.5	1.07	175	199	2	20	0.12	3
155832 (2119133)	<1	0.34	3	22	7.62	1790	<0.5	0.78	271	169	1	16	0.13	1
155833 (2119134)	<1	0.46	3	22	5.19	1120	<0.5	1.44	202	128	<1	20	0.10	<1
155834 (2119135)	<1	0.43	3	15	3.77	832	<0.5	1.81	92.4	131	<1	17	0.11	2
155835 (2119136)	<1	0.32	3	14	3.98	907	<0.5	1.61	98.6	139	<1	13	0.12	2
155836 (2119137)	<1	0.44	3	20	3.81	897	<0.5	1.80	102	116	<1	20	0.12	5
155837 (2119138)	<1	0.39	4	19	3.45	895	<0.5	2.17	88.9	153	<1	15	0.10	1
155838 (2119139)	<1	0.38	4	17	3.83	994	<0.5	2.47	86.1	178	<1	15	0.10	<1
155839 (2119140)	<1	0.43	4	20	3.90	931	<0.5	1.66	118	160	<1	18	0.11	2
155840 (2119141)	<1	0.67	11	14	3.74	1100	2.5	1.85	9280	589	40	18	2.35	<1
155841 (2119142)	<1	0.53	3	24	3.44	951	<0.5	2.05	90.8	124	<1	22	0.13	2
155842 (2119143)	<1	0.17	9	20	2.79	928	<0.5	2.64	82.2	421	1	<10	0.12	<1
155843 (2119144)	<1	0.18	4	25	3.82	1200	<0.5	1.57	114	153	<1	<10	0.13	<1
155844 (2119145)	<1	0.32	4	20	3.50	891	<0.5	1.91	81.2	177	<1	12	0.12	<1
155845 (2119146)	<1	0.32	3	21	3.82	846	<0.5	2.29	114	135	<1	12	0.10	<1
155846 (2119147)	<1	0.25	3	24	5.53	1110	<0.5	1.45	238	109	<1	<10	0.12	1

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155847 (2119148)	<1	0.12	2	22	6.40	1240	<0.5	0.93	531	94	1	<10	0.30	<1
155848 (2119149)	<1	0.09	3	31	7.64	1510	<0.5	0.81	404	120	1	<10	0.11	2
155849 (2119150)	<1	0.12	5	28	6.32	1250	<0.5	1.18	307	183	<1	<10	0.10	<1
155850 (2119151)	1	0.02	3	19	12.3	415	<0.5	0.04	1.9	55	4	<10	0.29	<1
155851 (2119152)	<1	0.09	4	28	7.38	1320	<0.5	0.99	332	168	1	<10	0.14	<1
155852 (2119153)	<1	0.04	3	27	9.65	1590	<0.5	0.23	508	106	<1	<10	0.10	<1
155853 (2119154)	<1	0.02	4	34	9.19	1900	<0.5	0.02	458	129	2	<10	0.10	<1
155854 (2119155)	<1	0.09	5	28	5.57	1310	<0.5	1.58	191	229	<1	<10	0.10	<1
155855 (2119156)	<1	0.11	3	32	6.14	1510	<0.5	1.19	255	131	<1	<10	0.12	1
155856 (2119157)	<1	0.14	6	19	4.69	1430	<0.5	2.05	174	120	2	<10	0.13	<1
155857 (2119158)	<1	0.23	<2	17	4.63	1040	<0.5	1.88	161	107	<1	<10	0.10	4
155858 (2119159)	<1	0.10	2	18	7.72	1470	<0.5	0.63	353	122	1	<10	0.14	6
155859 (2119160)	<1	0.15	3	20	5.14	1150	<0.5	1.42	206	143	<1	<10	0.12	<1
155860 (2119161)	<1	0.09	6	27	6.96	1380	<0.5	1.07	277	149	<1	<10	0.10	<1
155861 (2119162)	<1	0.16	3	34	5.81	1190	<0.5	1.79	617	111	<1	<10	0.18	<1
155862 (2119163)	<1	0.19	2	34	5.73	1170	<0.5	1.82	585	100	<1	<10	0.17	3
155863 (2119164)	<1	0.39	<2	33	4.61	993	<0.5	2.22	612	74	1	17	0.25	<1
155864 (2119165)	<1	0.16	4	31	5.94	1330	<0.5	2.12	551	192	1	<10	0.16	<1
155865 (2119166)	<1	0.09	5	26	5.86	1290	<0.5	1.82	506	215	1	<10	0.18	2
155866 (2119167)	<1	0.24	2	34	4.88	1150	<0.5	2.46	726	101	<1	10	0.18	3
155867 (2119168)	<1	0.05	3	37	5.37	1730	<0.5	1.71	403	139	<1	<10	0.19	<1
155868 (2119169)	<1	0.04	3	17	5.21	1220	<0.5	2.82	325	161	<1	<10	0.17	8
155869 (2119170)	<1	0.03	2	32	6.87	1480	<0.5	2.04	584	132	<1	<10	0.15	8
155870 (2119171)	<1	0.66	11	13	3.76	1110	2.6	1.88	9670	587	39	17	2.37	<1
155871 (2119172)	<1	0.13	<2	24	6.04	1330	<0.5	2.29	517	53	1	<10	0.22	17
155872 (2119173)	<1	0.18	7	20	4.52	1100	<0.5	3.07	384	313	1	<10	0.24	6
155873 (2119174)	<1	0.03	3	17	5.17	1250	<0.5	2.61	531	146	2	<10	0.44	9
155874 (2119175)	<1	0.19	3	17	3.61	899	<0.5	3.52	93.7	171	<1	<10	0.11	<1
155875 (2119176)	<1	0.18	<2	16	2.51	906	<0.5	2.19	36.7	69	<1	<10	0.22	<1
155876 (2119177)	<1	0.32	<2	17	2.41	905	<0.5	2.63	36.6	44	3	15	0.14	<1
155877 (2119178)	<1	0.23	14	11	2.08	770	<0.5	3.87	34.7	163	2	10	0.18	<1
155878 (2119179)	<1	0.11	6	17	2.73	1020	<0.5	3.14	36.0	118	2	<10	0.19	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155879 (2119180)	<1	0.86	<2	23	2.73	1080	<0.5	2.01	41.9	55	3	45	0.25	<1
155880 (2119181)	<1	0.05	2	5	4.38	158	<0.5	0.04	2.7	22	2	<10	0.12	1
155881 (2119182)	<1	0.31	<2	24	4.58	1360	<0.5	1.56	195	141	<1	14	0.14	<1
155882 (2119183)	<1	0.56	7	23	4.05	1500	<0.5	2.14	119	344	4	25	0.12	<1
155883 (2119184)	<1	0.38	9	27	4.20	1380	<0.5	1.68	117	402	3	17	0.14	<1
155884 (2119185)	<1	0.42	9	22	4.20	1500	<0.5	1.99	258	409	5	17	0.59	<1
155885 (2119186)	<1	0.88	14	22	3.71	1390	<0.5	1.58	383	570	8	38	1.04	<1
155886 (2119187)	<1	1.58	12	26	3.63	1380	<0.5	1.41	415	508	8	76	1.07	<1
155887 (2119188)	<1	1.33	12	23	3.71	1390	<0.5	1.58	404	526	6	61	0.95	<1
155888 (2119189)	<1	0.99	12	23	3.63	1380	<0.5	1.72	373	526	8	44	1.01	<1
155889 (2119190)	<1	1.06	11	24	3.74	1390	<0.5	1.81	391	526	6	47	0.92	<1
155890 (2119191)	<1	1.02	12	21	3.67	1390	<0.5	1.60	290	544	7	46	0.71	<1
155891 (2119192)	<1	1.14	12	24	3.74	1470	<0.5	1.46	355	478	6	52	0.76	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155815 (2119116)	26	<10	<5	124	<10	10	8	0.58	<5	<5	351	<1	1	293
155816 (2119117)	28	<10	<5	77	<10	<10	<5	0.20	<5	6	141	4	7	894
155817 (2119118)	7	<10	<5	175	<10	11	<5	0.06	<5	5	40.1	<1	2	134
155818 (2119119)	14	<10	<5	135	<10	<10	<5	0.18	<5	<5	78.6	<1	7	132
155819 (2119120)	6	<10	<5	200	<10	<10	<5	0.08	<5	<5	45.1	<1	3	103
155820 (2119121)	<1	<10	<5	138	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	8.5
155821 (2119122)	17	<10	<5	263	<10	<10	<5	0.13	<5	6	91.4	<1	6	71.5
155822 (2119123)	21	<10	<5	214	<10	<10	<5	0.20	<5	5	120	<1	8	90.1
155823 (2119124)	22	<10	<5	216	<10	<10	<5	0.12	<5	5	93.6	<1	5	95.1
155824 (2119125)	18	<10	<5	157	<10	<10	<5	0.11	<5	<5	80.9	<1	4	110
155825 (2119126)	21	<10	<5	281	<10	<10	<5	0.12	<5	<5	96.7	<1	5	79.5
155826 (2119127)	24	<10	<5	234	<10	<10	<5	0.13	<5	<5	117	<1	6	78.8
155827 (2119128)	24	<10	<5	313	<10	<10	<5	0.19	<5	<5	123	<1	8	60.0
155828 (2119129)	21	<10	<5	314	<10	<10	<5	0.25	<5	5	137	<1	9	59.7
155829 (2119130)	25	<10	<5	301	<10	<10	<5	0.24	<5	<5	150	<1	9	66.4
155830 (2119131)	26	<10	<5	289	<10	<10	<5	0.22	<5	<5	149	<1	9	65.8
155831 (2119132)	49	<10	<5	170	<10	<10	<5	0.29	<5	6	235	<1	13	85.3
155832 (2119133)	45	<10	<5	106	<10	<10	<5	0.24	<5	5	203	<1	10	109
155833 (2119134)	21	<10	<5	205	<10	<10	5	0.15	<5	<5	100	<1	6	73.2
155834 (2119135)	27	<10	<5	276	<10	<10	<5	0.16	<5	<5	119	<1	7	51.7
155835 (2119136)	30	<10	<5	261	<10	<10	<5	0.19	<5	<5	138	<1	7	52.7
155836 (2119137)	26	<10	<5	255	<10	<10	<5	0.15	<5	<5	116	<1	6	56.0
155837 (2119138)	25	<10	<5	264	<10	<10	<5	0.18	<5	<5	125	<1	8	55.6
155838 (2119139)	27	<10	<5	241	<10	<10	<5	0.21	<5	<5	144	<1	8	58.6
155839 (2119140)	25	<10	<5	263	<10	<10	<5	0.19	<5	<5	125	<1	8	61.1
155840 (2119141)	11	<10	<5	289	<10	<10	7	0.58	<5	<5	106	<1	11	113
155841 (2119142)	24	<10	<5	316	<10	<10	<5	0.16	<5	<5	112	<1	6	61.4
155842 (2119143)	25	<10	<5	215	<10	<10	<5	0.35	<5	<5	160	<1	14	74.8
155843 (2119144)	22	<10	<5	241	<10	<10	<5	0.16	<5	6	146	<1	7	93.3
155844 (2119145)	23	<10	<5	279	<10	<10	<5	0.19	<5	<5	124	<1	8	70.8
155845 (2119146)	18	<10	<5	260	<10	<10	<5	0.15	<5	<5	91.2	<1	5	70.9
155846 (2119147)	21	<10	<5	173	<10	<10	<5	0.14	<5	<5	97.0	<1	5	92.7

Certified By:

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AGAT Laboratories

5623 McADAM ROAD
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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155847 (2119148)	19	<10	<5	146	<10	12	<5	0.12	<5	<5	84.1	<1	5	122
155848 (2119149)	19	<10	<5	88	<10	12	5	0.13	<5	<5	87.8	<1	5	144
155849 (2119150)	20	<10	<5	128	<10	11	<5	0.17	<5	<5	108	<1	7	118
155850 (2119151)	<1	<10	<5	144	<10	<10	<5	<0.01	<5	7	<0.5	<1	<1	17.8
155851 (2119152)	20	<10	<5	108	<10	<10	5	0.18	<5	<5	104	<1	6	128
155852 (2119153)	15	<10	<5	24	<10	12	<5	0.11	<5	<5	68.5	<1	4	148
155853 (2119154)	23	<10	<5	20	<10	<10	<5	0.20	<5	6	152	<1	7	175
155854 (2119155)	25	<10	<5	136	<10	10	<5	0.30	<5	<5	161	<1	10	119
155855 (2119156)	25	<10	<5	152	<10	13	6	0.16	<5	<5	149	<1	6	139
155856 (2119157)	20	<10	<5	180	<10	<10	<5	0.13	<5	<5	120	<1	9	106
155857 (2119158)	26	<10	<5	238	<10	<10	<5	0.15	<5	<5	126	<1	6	85.3
155858 (2119159)	31	<10	<5	111	<10	10	<5	0.17	<5	<5	139	<1	7	117
155859 (2119160)	17	<10	<5	193	<10	10	<5	0.14	<5	5	93.0	<1	6	99.6
155860 (2119161)	21	<10	<5	131	<10	<10	<5	0.17	<5	<5	112	<1	9	121
155861 (2119162)	10	<10	<5	189	<10	<10	<5	0.10	<5	<5	64.4	<1	4	128
155862 (2119163)	10	<10	<5	184	<10	<10	<5	0.09	<5	<5	62.7	<1	4	124
155863 (2119164)	6	<10	<5	231	<10	<10	<5	0.07	<5	<5	37.0	<1	3	118
155864 (2119165)	10	<10	<5	178	<10	<10	<5	0.16	<5	5	64.7	<1	6	126
155865 (2119166)	20	<10	<5	149	<10	11	<5	0.23	<5	<5	130	<1	9	122
155866 (2119167)	6	<10	<5	227	<10	11	<5	0.08	<5	<5	37.9	<1	3	121
155867 (2119168)	14	<10	<5	127	<10	13	<5	0.09	<5	<5	151	<1	5	146
155868 (2119169)	26	<10	<5	94	<10	10	<5	0.17	<5	<5	122	<1	8	116
155869 (2119170)	18	<10	<5	85	<10	12	<5	0.11	<5	<5	82.7	<1	5	157
155870 (2119171)	11	<10	<5	291	<10	11	<5	0.59	<5	<5	106	1	11	118
155871 (2119172)	27	<10	<5	126	<10	12	<5	0.09	<5	<5	105	<1	4	132
155872 (2119173)	26	<10	<5	166	<10	<10	<5	0.30	<5	<5	157	<1	13	112
155873 (2119174)	30	<10	<5	122	<10	13	<5	0.21	<5	<5	162	<1	9	131
155874 (2119175)	22	<10	<5	163	<10	<10	<5	0.35	<5	<5	167	<1	7	80.9
155875 (2119176)	21	<10	<5	269	<10	<10	<5	0.72	<5	<5	281	<1	4	66.3
155876 (2119177)	22	<10	<5	258	<10	<10	<5	0.46	<5	<5	217	<1	3	68.1
155877 (2119178)	17	<10	<5	212	<10	<10	6	0.37	<5	5	153	<1	27	70.2
155878 (2119179)	20	<10	<5	228	<10	<10	<5	0.63	<5	<5	258	<1	11	81.0

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155879 (2119180)	26	<10	<5	292	<10	<10	<5	0.65	<5	6	283	<1	3	87.8
155880 (2119181)	<1	<10	<5	51	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	3.7
155881 (2119182)	18	<10	<5	195	<10	<10	<5	0.36	<5	<5	161	<1	5	113
155882 (2119183)	31	<10	<5	187	<10	<10	<5	0.38	<5	<5	193	<1	15	104
155883 (2119184)	31	<10	<5	180	<10	<10	5	0.44	<5	<5	214	<1	17	98.2
155884 (2119185)	32	<10	<5	141	<10	<10	<5	0.48	<5	<5	227	<1	17	129
155885 (2119186)	29	<10	<5	181	<10	12	<5	0.66	<5	<5	242	<1	20	120
155886 (2119187)	30	<10	<5	166	<10	<10	6	0.60	<5	<5	261	<1	20	116
155887 (2119188)	30	<10	<5	163	<10	<10	5	0.59	<5	<5	253	<1	20	109
155888 (2119189)	29	<10	<5	174	<10	11	<5	0.54	<5	<5	234	<1	20	118
155889 (2119190)	30	<10	<5	172	<10	<10	<5	0.58	<5	<5	240	<1	21	114
155890 (2119191)	32	<10	<5	171	<10	<10	6	0.59	<5	<5	258	<1	21	102
155891 (2119192)	29	<10	<5	154	<10	10	<5	0.58	<5	<5	243	<1	19	114

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AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155815 (2119116)	6
155816 (2119117)	22
155817 (2119118)	11
155818 (2119119)	31
155819 (2119120)	11
155820 (2119121)	<5
155821 (2119122)	15
155822 (2119123)	21
155823 (2119124)	14
155824 (2119125)	14
155825 (2119126)	15
155826 (2119127)	15
155827 (2119128)	21
155828 (2119129)	26
155829 (2119130)	26
155830 (2119131)	24
155831 (2119132)	32
155832 (2119133)	29
155833 (2119134)	16
155834 (2119135)	18
155835 (2119136)	18
155836 (2119137)	15
155837 (2119138)	33
155838 (2119139)	25
155839 (2119140)	21
155840 (2119141)	54
155841 (2119142)	15
155842 (2119143)	45
155843 (2119144)	15
155844 (2119145)	20
155845 (2119146)	17
155846 (2119147)	15

Certified By:

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PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155847 (2119148)	12
155848 (2119149)	16
155849 (2119150)	21
155850 (2119151)	<5
155851 (2119152)	22
155852 (2119153)	17
155853 (2119154)	24
155854 (2119155)	30
155855 (2119156)	17
155856 (2119157)	34
155857 (2119158)	14
155858 (2119159)	19
155859 (2119160)	18
155860 (2119161)	55
155861 (2119162)	15
155862 (2119163)	14
155863 (2119164)	9
155864 (2119165)	24
155865 (2119166)	29
155866 (2119167)	11
155867 (2119168)	14
155868 (2119169)	26
155869 (2119170)	13
155870 (2119171)	53
155871 (2119172)	12
155872 (2119173)	45
155873 (2119174)	24
155874 (2119175)	22
155875 (2119176)	6
155876 (2119177)	<5
155877 (2119178)	79
155878 (2119179)	36

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PROJECT: EAST BULL

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155879 (2119180)	6
155880 (2119181)	7
155881 (2119182)	10
155882 (2119183)	50
155883 (2119184)	52
155884 (2119185)	48
155885 (2119186)	73
155886 (2119187)	65
155887 (2119188)	64
155888 (2119189)	65
155889 (2119190)	62
155890 (2119191)	60
155891 (2119192)	59

Comments: RDL - Reported Detection Limit

2119116-2119192 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155815 (2119116)	4	20	<5
155816 (2119117)	12	168	39
155817 (2119118)	60	656	96
155818 (2119119)	48	269	77
155819 (2119120)	21	222	40
155820 (2119121)	<1	<1	<5
155821 (2119122)	1	47	<5
155822 (2119123)	1	22	8
155823 (2119124)	1	25	25
155824 (2119125)	3	62	113
155825 (2119126)	3	10	8
155826 (2119127)	1	18	<5
155827 (2119128)	1	36	30
155828 (2119129)	2	26	6
155829 (2119130)	2	61	105
155830 (2119131)	2	141	54
155831 (2119132)	4	37	66
155832 (2119133)	6	37	51
155833 (2119134)	2	10	8
155834 (2119135)	2	12	<5
155835 (2119136)	3	6	<5
155836 (2119137)	1	5	<5
155837 (2119138)	3	5	<5
155838 (2119139)	3	6	<5
155839 (2119140)	3	41	14
155840 (2119141)	152	1300	669
155841 (2119142)	3	54	20
155842 (2119143)	2	26	8
155843 (2119144)	1	20	6
155844 (2119145)	2	32	11
155845 (2119146)	2	15	<5
155846 (2119147)	8	134	43

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155847 (2119148)	37	478	205
155848 (2119149)	7	67	136
155849 (2119150)	4	74	49
155850 (2119151)	1	<1	<5
155851 (2119152)	8	145	73
155852 (2119153)	3	59	44
155853 (2119154)	2	43	23
155854 (2119155)	2	109	69
155855 (2119156)	5	94	48
155856 (2119157)	2	105	30
155857 (2119158)	2	6	6
155858 (2119159)	5	69	<5
155859 (2119160)	1	9	13
155860 (2119161)	2	82	10
155861 (2119162)	27	503	54
155862 (2119163)	30	494	67
155863 (2119164)	109	510	188
155864 (2119165)	28	141	50
155865 (2119166)	37	219	79
155866 (2119167)	21	131	42
155867 (2119168)	8	222	64
155868 (2119169)	38	440	139
155869 (2119170)	38	592	171
155870 (2119171)	188	1270	729
155871 (2119172)	131	779	296
155872 (2119173)	25	255	92
155873 (2119174)	68	1580	468
155874 (2119175)	3	43	18
155875 (2119176)	4	2	<5
155876 (2119177)	1	2	<5
155877 (2119178)	12	<1	<5
155878 (2119179)	5	<1	<5

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155879 (2119180)	9	<1	<5
155880 (2119181)	<1	<1	<5
155881 (2119182)	8	1	<5
155882 (2119183)	5	62	40
155883 (2119184)	3	37	23
155884 (2119185)	49	298	90
155885 (2119186)	82	273	79
155886 (2119187)	72	415	124
155887 (2119188)	70	421	154
155888 (2119189)	67	509	121
155889 (2119190)	53	528	280
155890 (2119191)	44	307	104
155891 (2119192)	80	417	138

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155815 (2119116)	86.52
155816 (2119117)	77.71
155826 (2119127)	76.42
155836 (2119137)	76.00
155847 (2119148)	75.13
155858 (2119159)	75.11
155868 (2119169)	79.98
155879 (2119180)	75.23
155889 (2119190)	75.00

Comments: RDL - Reported Detection Limit

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Certificate of Analysis

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 18, 2021 | DATE RECEIVED: Feb 16, 2021 | DATE REPORTED: Mar 25, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155815 (2119116)	87.81
155888 (2119189)	87.03
155890 (2119191)	87.21

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2119116	< 0.5	< 0.5	0.0%	2119131	< 0.5	< 0.5	0.0%	2119142	< 0.5	< 0.5	0.0%	2119156	< 0.5	< 0.5	0.0%
Al	2119116	7.92	6.22	24.0%	2119131	9.05	8.33	8.3%	2119142	11.5	11.5	0.0%	2119156	8.28	8.28	0.0%
As	2119116	< 1	< 1	0.0%	2119131	< 1	< 1	0.0%	2119142	< 1	< 1	0.0%	2119156	< 1	< 1	0.0%
Ba	2119116	116	88	27.5%	2119131	260	240	8.0%	2119142	195	197	1.0%	2119156	46	45	2.2%
Be	2119116	< 0.5	< 0.5	0.0%	2119131	< 0.5	< 0.5	0.0%	2119142	< 0.5	< 0.5	0.0%	2119156	< 0.5	< 0.5	0.0%
Bi	2119116	< 1	< 1	0.0%	2119131	< 1	< 1	0.0%	2119142	< 1	< 1	0.0%	2119156	< 1	< 1	0.0%
Ca	2119116	3.53	2.76	24.5%	2119131	6.69	6.19	7.8%	2119142	7.88	7.78	1.3%	2119156	5.69	5.71	0.4%
Cd	2119116	1.1	1.0	9.5%	2119131	< 0.5	< 0.5	0.0%	2119142	< 0.5	< 0.5	0.0%	2119156	< 0.5	< 0.5	0.0%
Ce	2119116	1	< 1		2119131	11	9	20.0%	2119142	6	7	15.4%	2119156	7	7	0.0%
Co	2119116	73.2	57.6	23.9%	2119131	40.1	36.2	10.2%	2119142	31.4	30.9	1.6%	2119156	66.0	66.9	1.4%
Cr	2119116	132	126	4.7%	2119131	160	129	21.5%	2119142	211	190	10.5%	2119156	157	166	5.6%
Cu	2119116	222	172	25.4%	2119131	39.3	36.2	8.2%	2119142	64.1	63.2	1.4%	2119156	180	178	1.1%
Fe	2119116	9.76	7.77	22.7%	2119131	5.93	5.50	7.5%	2119142	5.29	5.13	3.1%	2119156	9.22	9.25	0.3%
Ga	2119116	21	19	10.0%	2119131	16	13	20.7%	2119142	15	16	6.5%	2119156	14	15	6.9%
In	2119116	< 1	< 1	0.0%	2119131	< 1	< 1	0.0%	2119142	< 1	< 1	0.0%	2119156	< 1	< 1	0.0%
K	2119116	0.389	0.293	28.2%	2119131	0.886	0.814	8.5%	2119142	0.532	0.541	1.7%	2119156	0.11	0.11	0.0%
La	2119116	< 2	< 2	0.0%	2119131	5	4	22.2%	2119142	3	3	0.0%	2119156	3	3	0.0%
Li	2119116	50	39	24.7%	2119131	20	18	10.5%	2119142	24	24	0.0%	2119156	32	32	0.0%
Mg	2119116	6.04	4.79	23.1%	2119131	3.55	3.26	8.5%	2119142	3.44	3.40	1.2%	2119156	6.14	6.17	0.5%
Mn	2119116	1230	970	23.6%	2119131	1010	934	7.8%	2119142	951	939	1.3%	2119156	1510	1510	0.0%
Mo	2119116	< 0.5	< 0.5	0.0%	2119131	< 0.5	< 0.5	0.0%	2119142	< 0.5	< 0.5	0.0%	2119156	< 0.5	< 0.5	0.0%
Na	2119116	1.44	1.13	24.1%	2119131	1.79	1.65	8.1%	2119142	2.05	2.02	1.5%	2119156	1.19	1.19	0.0%
Ni	2119116	76.0	59.3	24.7%	2119131	118	106	10.7%	2119142	90.8	87.3	3.9%	2119156	255	258	1.2%
P	2119116	30	25	18.2%	2119131	193	171	12.1%	2119142	124	120	3.3%	2119156	131	137	4.5%
Pb	2119116	1	1	0.0%	2119131	< 1	< 1	0.0%	2119142	< 1	< 1	0.0%	2119156	< 1	< 1	0.0%
Rb	2119116	20	14		2119131	36	31	14.9%	2119142	22	23	4.4%	2119156	< 10	< 10	0.0%
S	2119116	0.78	0.59	27.7%	2119131	0.102	0.093	9.2%	2119142	0.13	0.13	0.0%	2119156	0.116	0.114	1.7%
Sb	2119116	< 1	< 1	0.0%	2119131	< 1	< 1	0.0%	2119142	2	< 1		2119156	1	< 1	
Sc	2119116	26	21	21.3%	2119131	26	23	12.2%	2119142	24	24	0.0%	2119156	25	25	0.0%
Se	2119116	< 10	< 10	0.0%	2119131	< 10	< 10	0.0%	2119142	< 10	< 10	0.0%	2119156	< 10	< 10	0.0%
Sn	2119116	< 5	< 5	0.0%	2119131	< 5	< 5	0.0%	2119142	< 5	< 5	0.0%	2119156	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2119116	124	97	24.4%	2119131	289	267	7.9%	2119142	316	317	0.3%	2119156	152	152	0.0%
Ta	2119116	< 10	< 10	0.0%	2119131	< 10	< 10	0.0%	2119142	< 10	< 10	0.0%	2119156	< 10	< 10	0.0%
Te	2119116	10	< 10		2119131	< 10	< 10	0.0%	2119142	< 10	< 10	0.0%	2119156	13	11	16.7%
Th	2119116	8	< 5		2119131	< 5	< 5	0.0%	2119142	< 5	< 5	0.0%	2119156	6	6	0.0%
Ti	2119116	0.58	0.46	23.1%	2119131	0.22	0.21	4.7%	2119142	0.16	0.16	0.0%	2119156	0.16	0.16	0.0%
Tl	2119116	< 5	< 5	0.0%	2119131	< 5	< 5	0.0%	2119142	< 5	< 5	0.0%	2119156	< 5	< 5	0.0%
U	2119116	< 5	< 5	0.0%	2119131	< 5	5		2119142	< 5	< 5	0.0%	2119156	< 5	< 5	0.0%
V	2119116	351	265	27.9%	2119131	149	133	11.3%	2119142	112	116	3.5%	2119156	149	150	0.7%
W	2119116	< 1	< 1	0.0%	2119131	< 1	< 1	0.0%	2119142	< 1	< 1	0.0%	2119156	< 1	< 1	0.0%
Y	2119116	1	< 1		2119131	9	8	11.8%	2119142	6	6	0.0%	2119156	6	6	0.0%
Zn	2119116	293	224	26.7%	2119131	65.8	62.0	5.9%	2119142	61.4	60.8	1.0%	2119156	139	139	0.0%
Zr	2119116	6	5	18.2%	2119131	24	21	13.3%	2119142	15	16	6.5%	2119156	17	17	0.0%
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	2119166	0.5	0.5	0.0%	2119181	< 0.5	< 0.5	0.0%	2119191	1.14	1.41	21.2%				
Al	2119166	8.57	8.29	3.3%	2119181	0.12	0.12	0.0%	2119191	6.77	6.96	2.8%				
As	2119166	< 1	< 1	0.0%	2119181	< 1	< 1	0.0%	2119191	< 1	< 1	0.0%				
Ba	2119166	37	36	2.7%	2119181	871	870	0.1%	2119191	296	304	2.7%				
Be	2119166	< 0.5	< 0.5	0.0%	2119181	< 0.5	< 0.5	0.0%	2119191	< 0.5	< 0.5	0.0%				
Bi	2119166	< 1	< 1	0.0%	2119181	< 1	< 1	0.0%	2119191	< 1	< 1	0.0%				
Ca	2119166	5.65	5.52	2.3%	2119181	6.73	6.73	0.0%	2119191	6.12	6.32	3.2%				
Cd	2119166	0.5	0.5	0.0%	2119181	< 0.5	< 0.5	0.0%	2119191	< 0.5	< 0.5	0.0%				
Ce	2119166	12	12	0.0%	2119181	3	4	28.6%	2119191	30	30	0.0%				
Co	2119166	61.5	58.7	4.7%	2119181	< 0.5	< 0.5	0.0%	2119191	70.2	70.9	1.0%				
Cr	2119166	219	183	17.9%	2119181	29.6	33.4	12.1%	2119191	219	190	14.2%				
Cu	2119166	932	871	6.8%	2119181	8.4	8.2	2.4%	2119191	2500	2580	3.1%				
Fe	2119166	7.65	7.37	3.7%	2119181	0.13	0.13	0.0%	2119191	10.4	10.7	2.8%				
Ga	2119166	11	10	9.5%	2119181	< 5	< 5	0.0%	2119191	17	16	6.1%				
In	2119166	< 1	< 1	0.0%	2119181	< 1	< 1	0.0%	2119191	< 1	< 1	0.0%				
K	2119166	0.09	0.09	0.0%	2119181	0.05	0.05	0.0%	2119191	1.02	1.04	1.9%				
La	2119166	5	5	0.0%	2119181	2	4		2119191	12	13	8.0%				
Li	2119166	26	25	3.9%	2119181	5	5	0.0%	2119191	21	21	0.0%				
Mg	2119166	5.86	5.69	2.9%	2119181	4.38	4.38	0.0%	2119191	3.67	3.74	1.9%				
Mn	2119166	1290	1240	4.0%	2119181	158	159	0.6%	2119191	1390	1420	2.1%				

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2119166	< 0.5	< 0.5	0.0%	2119181	< 0.5	< 0.5	0.0%	2119191	< 0.5	< 0.5	0.0%				
Na	2119166	1.82	1.78	2.2%	2119181	0.04	0.04	0.0%	2119191	1.60	1.65	3.1%				
Ni	2119166	506	495	2.2%	2119181	2.67	2.55	4.6%	2119191	290	292	0.7%				
P	2119166	215	210	2.4%	2119181	22	25	12.8%	2119191	544	540	0.7%				
Pb	2119166	1	2		2119181	2	2	0.0%	2119191	7	7	0.0%				
Rb	2119166	< 10	< 10	0.0%	2119181	< 10	< 10	0.0%	2119191	46	47	2.2%				
S	2119166	0.18	0.18	0.0%	2119181	0.12	0.12	0.0%	2119191	0.71	0.73	2.8%				
Sb	2119166	2	< 1		2119181	1	< 1		2119191	< 1	< 1	0.0%				
Sc	2119166	20	20	0.0%	2119181	< 1	< 1	0.0%	2119191	32	32	0.0%				
Se	2119166	< 10	< 10	0.0%	2119181	< 10	< 10	0.0%	2119191	< 10	< 10	0.0%				
Sn	2119166	< 5	< 5	0.0%	2119181	< 5	< 5	0.0%	2119191	< 5	< 5	0.0%				
Sr	2119166	149	144	3.4%	2119181	51	51	0.0%	2119191	171	176	2.9%				
Ta	2119166	< 10	< 10	0.0%	2119181	< 10	< 10	0.0%	2119191	< 10	< 10	0.0%				
Te	2119166	11	10	9.5%	2119181	< 10	< 10	0.0%	2119191	9	12	28.6%				
Th	2119166	< 5	< 5	0.0%	2119181	< 5	< 5	0.0%	2119191	6	< 5					
Ti	2119166	0.23	0.23	0.0%	2119181	< 0.01	< 0.01	0.0%	2119191	0.59	0.60	1.7%				
Tl	2119166	< 5	< 5	0.0%	2119181	< 5	< 5	0.0%	2119191	< 5	< 5	0.0%				
U	2119166	< 5	< 5	0.0%	2119181	< 5	< 5	0.0%	2119191	5	5	0.0%				
V	2119166	130	131	0.8%	2119181	< 0.5	< 0.5	0.0%	2119191	258	256	0.8%				
W	2119166	< 1	< 1	0.0%	2119181	< 1	< 1	0.0%	2119191	< 1	< 1	0.0%				
Y	2119166	9	9	0.0%	2119181	< 1	< 1	0.0%	2119191	21	21	0.0%				
Zn	2119166	122	120	1.7%	2119181	3.73	3.98	6.5%	2119191	102	104	1.9%				
Zr	2119166	29	31	6.7%	2119181	7	6	15.4%	2119191	60	69	14.0%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2119116	4	4	0.0%	2119131	2	3		2119142	3	3	0.0%	2119156	5	3	
Pd	2119116	20	20	0.0%	2119131	141	133	5.8%	2119142	54	52	3.8%	2119156	94	88	6.6%
Pt	2119116	< 5	< 5	0.0%	2119131	54	59	8.8%	2119142	20	29		2119156	48	42	13.3%
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	2119166	37	29	24.2%	2119181	< 1	< 1	0.0%	2119191	44	52	16.7%				
Pd	2119166	219	216	1.4%	2119181	< 1	< 1	0.0%	2119191	307	292	5.0%				
Pt	2119166	79	61	25.7%	2119181	< 5	< 5	0.0%	2119191	104	80	26.1%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.37	111%	90% - 110%				
Al	8.47	8.02	95%	90% - 110%	6.96	7.29	105%	90% - 110%	4.75	4.75	100%	90% - 110%	8.47	7.74	91%	90% - 110%
As	26	28	106%	90% - 110%	124	130	105%	90% - 110%					26	25	97%	90% - 110%
Ba	540	519	96%	90% - 110%	186	196	106%	90% - 110%	216	228	105%	90% - 110%	540	508	94%	90% - 110%
Be	4.0	3.2	80%	90% - 110%									4.0	3.1	78%	90% - 110%
Ca	0.907	0.854	94%	90% - 110%	4.01	4.12	103%	90% - 110%	10	9	91%	90% - 110%	0.907	0.858	95%	90% - 110%
Ce	98	99	101%	90% - 110%	24	24	99%	90% - 110%					98	97	99%	90% - 110%
Co	13	13	98%	90% - 110%	22.1	21.3	96%	90% - 110%	191	179	93%	90% - 110%	13	12	91%	90% - 110%
Cr	60.3	63.1	105%	90% - 110%					670	690	102%	90% - 110%	60.3	61.1	101%	90% - 110%
Cu	150	143	95%	90% - 110%	88.6	95.4	108%	90% - 110%	7120	6789	95%	90% - 110%	150	142	95%	90% - 110%
Fe	3.77	3.49	92%	90% - 110%	7.56	7.88	104%	90% - 110%	12.71	11.69	92%	90% - 110%	3.77	3.52	93%	90% - 110%
K					2.021	2.117	105%	90% - 110%	0.1021	0.1121	110%	90% - 110%				
La	44	44	101%	90% - 110%					8.47	6.18	73%	90% - 110%	44	43	97%	90% - 110%
Li	47	51	108%	90% - 110%									47	49	105%	90% - 110%
Mg	1.10	1.02	92%	90% - 110%	2.412	2.474	103%	90% - 110%	7.41	6.86	93%	90% - 110%	1.10	1.01	92%	90% - 110%
Mn	780	712	91%	90% - 110%	1510	1554	103%	90% - 110%					780	712	91%	90% - 110%
Mo	14	13	90%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.634	101%	90% - 110%	0.617	0.62	101%	90% - 110%	0.112	0.123	110%	90% - 110%	1.624	1.617	100%	90% - 110%
Ni	32	33	102%	90% - 110%	77.1	80.8	105%	90% - 110%	2480	2399	96%	90% - 110%	32	31	97%	90% - 110%
P	750	757	101%	90% - 110%	892	961	108%	90% - 110%	731	679	93%	90% - 110%	750	697	93%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	149	104%	90% - 110%									143	143	100%	90% - 110%
S					0.348	0.359	103%	90% - 110%								
Sc	12	12	99%	90% - 110%					21.33	19.94	93%	90% - 110%	12	11	95%	90% - 110%
Sr	144	148	103%	90% - 110%	92.8	90	97%	90% - 110%	39	38	97%	90% - 110%	144	143	99%	90% - 110%
Ta	1.9	1.6	83%	90% - 110%									1.9	1.7	87%	90% - 110%
Th	18.4	19.8	108%	90% - 110%									18.4	17.9	97%	90% - 110%
Ti	0.53	0.49	92%	90% - 110%					0.419	0.4	96%	90% - 110%	0.53	0.49	92%	90% - 110%
U	5.7	4.9	85%	90% - 110%									5.7	5	88%	90% - 110%
V	77	75	98%	90% - 110%					158	155	98%	90% - 110%	77	72	94%	90% - 110%
W	5	5	90%	90% - 110%									5	5	91%	90% - 110%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Y									12.67	11.83	93%	90% - 110%				
Zn	130	118	91%	90% - 110%	208	223	107%	90% - 110%	112	109	97%	90% - 110%	130	119	91%	90% - 110%
Zr									35.7	38.7	108%	90% - 110%				
	CRM #5 (ref.GTS-2a)															
Parameter	Expect	Actual	Recovery	Limits												
Al	6.96	6.84	98%	90% - 110%												
As	124	119	96%	90% - 110%												
Ba	186	188	101%	90% - 110%												
Ca	4.01	3.86	96%	90% - 110%												
Ce	24	23	94%	90% - 110%												
Co	22.1	21.4	96%	90% - 110%												
Cu	88.6	90	102%	90% - 110%												
Fe	7.56	7.33	97%	90% - 110%												
K	2.021	2.203	109%	90% - 110%												
Mg	2.412	2.335	97%	90% - 110%												
Mn	1510	1441	95%	90% - 110%												
Na	0.617	0.635	103%	90% - 110%												
Ni	77.1	72.6	94%	90% - 110%												
P	892	895	100%	90% - 110%												
S	0.348	0.343	98%	90% - 110%												
Sr	92.8	89.6	97%	90% - 110%												
Zn	208	209	100%	90% - 110%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1878	99%	90% - 110%	1897	1859	98%	90% - 110%	1897	1849	97%	90% - 110%	1897	1922	101%	90% - 110%
Pd	1660	1647	99%	90% - 110%	1660	1665	100%	90% - 110%	1660	1578	95%	90% - 110%	1660	1665	100%	90% - 110%
Pt	223	223	100%	90% - 110%	223	221	99%	90% - 110%	223	214	96%	90% - 110%	223	243	109%	90% - 110%
	CRM #5 (ref.PGMS30)															
Parameter	Expect	Actual	Recovery	Limits												
Au	1897	1943	102%	90% - 110%												
Pd	1660	1627	98%	90% - 110%												
Pt	223	217	97%	90% - 110%												

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
AGAT WORK ORDER: 21T711300
PROJECT: EAST BULL
ATTENTION TO: Garry Clark
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T711300

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T716347

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 10, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155892 (2160958)	2.50
155893 (2160959)	2.51
155894 (2160960)	2.50
155895 (2160961)	2.48
155896 (2160962)	2.37
155897 (2160963)	2.39
155898 (2160964)	2.40
155899 (2160965)	2.55
155900 (2160966)	0.10
155901 (2160967)	2.76
155902 (2160968)	2.56
155903 (2160969)	2.54
155904 (2160970)	2.53
155905 (2160971)	2.63
155906 (2160972)	2.27
155907 (2160973)	2.51
155908 (2160974)	2.56
155909 (2160975)	2.50
155910 (2160976)	0.87
155911 (2160977)	2.46
155912 (2160978)	2.30
155913 (2160979)	2.49
155914 (2160980)	2.32
155915 (2160981)	2.44
155916 (2160982)	2.00
155917 (2160983)	2.16
155918 (2160984)	2.29
155919 (2160985)	1.16
155920 (2160986)	1.10
155921 (2160987)	2.39
155922 (2160988)	2.49

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155923 (2160989)	2.52
155924 (2160990)	2.51
155925 (2160991)	2.59
155926 (2160992)	2.43
155927 (2160993)	2.45
155928 (2160994)	2.40
155929 (2160995)	2.64
155930 (2160996)	0.10
155931 (2160997)	2.38
155932 (2160998)	2.43
155933 (2160999)	2.43
155934 (2161000)	2.52
155935 (2161001)	2.19
155936 (2161002)	2.38
155937 (2161003)	2.50
155938 (2161004)	2.44
155939 (2161005)	2.44
155940 (2161006)	0.79
155941 (2161007)	2.50
155942 (2161008)	2.63
155943 (2161009)	2.56
155944 (2161010)	1.92
155945 (2161011)	2.52
155946 (2161012)	2.46

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155892 (2160958)	<0.5	7.07	<1	108	0.9	<1	5.98	<0.5	21	44.6	42.1	143	8.93	19
155893 (2160959)	<0.5	7.35	<1	221	1.0	<1	7.26	0.5	23	45.5	31.9	270	9.37	19
155894 (2160960)	<0.5	7.81	<1	188	0.8	<1	6.98	<0.5	21	42.3	61.6	181	8.08	20
155895 (2160961)	<0.5	7.55	<1	165	0.7	<1	6.74	<0.5	25	45.0	35.2	148	8.03	20
155896 (2160962)	<0.5	7.91	<1	191	0.6	<1	6.96	<0.5	17	44.1	44.8	109	8.06	20
155897 (2160963)	<0.5	7.90	<1	225	0.7	<1	7.01	<0.5	18	44.0	33.9	151	8.30	18
155898 (2160964)	<0.5	7.53	<1	309	0.6	<1	6.53	<0.5	18	44.7	43.1	104	8.13	19
155899 (2160965)	<0.5	7.64	1	307	0.7	<1	6.95	<0.5	15	45.2	39.9	114	8.27	17
155900 (2160966)	3.7	6.90	<1	273	0.8	<1	4.01	1.5	27	149	251	7000	14.0	16
155901 (2160967)	<0.5	7.68	<1	193	0.6	<1	6.87	<0.5	18	43.3	41.6	111	7.95	17
155902 (2160968)	<0.5	7.61	<1	276	0.8	<1	6.93	0.5	20	45.3	35.5	163	8.50	19
155903 (2160969)	<0.5	7.95	<1	211	0.7	<1	6.79	<0.5	21	43.2	45.7	128	8.23	19
155904 (2160970)	<0.5	7.42	<1	356	0.8	<1	6.62	<0.5	25	44.6	34.7	152	8.51	20
155905 (2160971)	<0.5	7.80	<1	269	0.8	<1	6.77	0.6	20	45.1	40.5	125	8.41	18
155906 (2160972)	<0.5	7.32	<1	546	0.8	<1	5.95	<0.5	30	41.7	29.2	153	8.45	19
155907 (2160973)	<0.5	7.31	<1	272	0.8	<1	6.45	<0.5	24	45.0	35.5	136	8.84	20
155908 (2160974)	<0.5	7.57	<1	233	0.8	<1	6.97	<0.5	19	45.3	39.3	110	8.92	20
155909 (2160975)	<0.5	7.36	<1	247	0.9	<1	7.10	<0.5	17	48.1	46.1	147	9.88	21
155910 (2160976)	<0.5	0.03	<1	448	<0.5	<1	19.1	<0.5	<1	<0.5	3.4	<0.5	0.06	<5
155911 (2160977)	<0.5	7.41	<1	261	0.8	<1	6.99	<0.5	17	49.0	37.8	160	9.94	20
155912 (2160978)	<0.5	7.27	<1	251	0.9	<1	6.88	<0.5	21	47.5	39.1	251	9.47	20
155913 (2160979)	<0.5	7.34	1	232	0.8	<1	6.62	<0.5	19	48.8	47.6	264	9.32	20
155914 (2160980)	<0.5	7.31	<1	306	0.9	<1	6.64	<0.5	20	49.7	34.9	280	9.52	20
155915 (2160981)	<0.5	7.36	<1	281	0.9	<1	6.56	<0.5	24	45.1	40.1	226	9.10	19
155916 (2160982)	<0.5	6.79	<1	645	1.1	<1	7.03	<0.5	51	42.1	121	192	8.80	17
155917 (2160983)	<0.5	4.02	<1	1980	1.3	<1	7.73	<0.5	103	45.7	524	39.0	6.19	8
155918 (2160984)	<0.5	6.76	<1	735	1.0	<1	6.58	<0.5	45	44.8	129	193	8.40	19
155919 (2160985)	<0.5	7.22	<1	496	1.0	<1	6.64	<0.5	39	40.9	113	142	8.67	20
155920 (2160986)	<0.5	7.13	<1	459	1.0	<1	6.20	<0.5	41	40.7	92.9	172	8.55	18
155921 (2160987)	<0.5	7.54	<1	299	1.0	<1	5.99	<0.5	37	37.4	33.9	190	8.47	21
155922 (2160988)	<0.5	7.22	5	124	0.8	<1	5.71	<0.5	30	42.3	41.8	145	8.68	19
155923 (2160989)	<0.5	7.52	<1	166	0.8	<1	6.04	<0.5	28	41.6	41.9	132	8.72	20

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155924 (2160990)	<0.5	7.47	2	160	0.8	<1	6.30	<0.5	26	42.1	39.9	125	8.72	20
155925 (2160991)	<0.5	7.76	<1	261	0.8	<1	7.02	<0.5	26	42.3	42.7	125	8.30	20
155926 (2160992)	<0.5	7.48	<1	237	0.8	<1	6.51	<0.5	23	41.8	37.1	163	8.56	19
155927 (2160993)	<0.5	7.37	<1	126	0.8	<1	6.31	<0.5	22	41.9	40.0	184	8.80	19
155928 (2160994)	<0.5	7.57	<1	128	0.8	<1	5.63	<0.5	24	44.3	38.2	103	8.59	19
155929 (2160995)	<0.5	7.41	<1	93	0.8	<1	5.62	<0.5	26	46.5	28.8	97.9	9.21	21
155930 (2160996)	5.1	6.82	<1	273	0.8	<1	4.00	1.9	27	146	252	6850	13.5	17
155931 (2160997)	<0.5	7.52	<1	84	0.8	<1	5.89	<0.5	29	42.8	34.6	106	9.36	20
155932 (2160998)	<0.5	7.45	3	144	0.8	<1	5.64	<0.5	29	45.1	33.2	183	9.58	23
155933 (2160999)	<0.5	7.60	<1	169	0.8	<1	6.30	<0.5	32	45.2	26.1	152	10.2	26
155934 (2161000)	<0.5	7.29	<1	182	0.8	<1	5.91	<0.5	29	45.1	39.2	138	9.64	23
155935 (2161001)	<0.5	6.97	<1	141	0.8	<1	5.45	<0.5	26	44.2	39.9	141	9.04	19
155936 (2161002)	<0.5	6.74	<1	133	0.8	<1	5.29	0.5	26	48.9	43.0	141	9.24	18
155937 (2161003)	<0.5	7.35	<1	279	0.9	<1	6.09	<0.5	26	42.9	40.4	108	9.23	19
155938 (2161004)	<0.5	7.64	2	268	0.9	<1	6.35	<0.5	30	42.5	45.4	136	9.18	21
155939 (2161005)	<0.5	7.47	<1	267	1.0	<1	6.23	0.6	33	41.7	42.7	169	9.24	20
155940 (2161006)	<0.5	0.04	<1	832	<0.5	<1	18.4	<0.5	<1	<0.5	4.2	<0.5	0.07	<5
155941 (2161007)	<0.5	8.05	<1	315	0.9	<1	6.36	<0.5	28	38.2	45.4	99.4	8.27	19
155942 (2161008)	<0.5	7.33	<1	277	0.9	<1	6.13	<0.5	29	41.7	44.7	95.1	8.75	19
155943 (2161009)	<0.5	7.11	<1	164	0.8	<1	6.39	<0.5	32	41.6	44.9	96.4	8.69	20
155944 (2161010)	<0.5	6.45	<1	88	0.8	<1	6.11	<0.5	33	42.3	42.3	169	8.80	19
155945 (2161011)	<0.5	6.97	<1	86	0.7	<1	5.77	<0.5	29	40.6	38.1	75.5	8.33	18
155946 (2161012)	<0.5	7.27	<1	61	0.6	<1	6.08	<0.5	26	42.9	49.6	182	8.39	19

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155892 (2160958)	<1	0.33	9	20	3.82	1470	<0.5	2.33	61.5	363	<1	11	0.02	<1
155893 (2160959)	<1	0.54	10	19	3.38	1520	<0.5	1.72	63.9	351	<1	18	0.08	<1
155894 (2160960)	<1	0.51	9	17	3.31	1360	<0.5	1.90	64.4	335	<1	16	0.05	<1
155895 (2160961)	<1	0.50	11	20	3.47	1340	<0.5	1.65	63.6	397	<1	17	0.06	<1
155896 (2160962)	<1	0.63	8	21	3.76	1380	<0.5	1.73	66.7	269	<1	23	0.02	<1
155897 (2160963)	<1	0.74	8	22	3.79	1400	<0.5	1.67	66.4	268	<1	27	0.04	<1
155898 (2160964)	<1	1.13	8	22	3.67	1370	<0.5	1.61	66.4	265	<1	45	0.03	<1
155899 (2160965)	<1	1.04	7	23	3.80	1420	<0.5	1.61	70.7	241	<1	44	0.03	<1
155900 (2160966)	<1	0.66	12	13	3.92	1160	3.5	1.84	9310	567	9	15	2.57	<1
155901 (2160967)	<1	0.56	8	19	3.49	1340	<0.5	1.77	64.4	291	<1	19	0.03	<1
155902 (2160968)	<1	0.85	9	23	3.52	1410	<0.5	1.61	65.5	318	<1	29	0.07	<1
155903 (2160969)	<1	0.62	10	22	3.57	1360	<0.5	1.86	60.8	346	<1	20	0.02	<1
155904 (2160970)	<1	1.11	11	19	3.37	1400	<0.5	1.53	58.0	404	<1	33	0.06	<1
155905 (2160971)	<1	0.81	9	20	3.43	1410	<0.5	1.69	59.7	338	<1	25	0.03	<1
155906 (2160972)	<1	1.95	13	19	3.20	1360	<0.5	1.65	50.7	490	<1	59	0.04	<1
155907 (2160973)	<1	0.80	10	18	3.25	1440	<0.5	1.76	57.4	389	<1	24	0.04	<1
155908 (2160974)	<1	0.59	8	17	3.41	1410	0.8	1.82	63.6	289	<1	18	0.02	<1
155909 (2160975)	<1	0.65	7	18	3.53	1480	<0.5	1.70	70.9	255	<1	19	0.04	<1
155910 (2160976)	2	0.01	<2	4	12.8	430	<0.5	0.02	<0.5	43	<1	<10	0.01	2
155911 (2160977)	<1	0.69	7	18	3.58	1470	<0.5	1.79	72.4	274	<1	21	0.03	<1
155912 (2160978)	<1	0.64	9	17	3.41	1420	<0.5	1.84	66.7	336	<1	19	0.05	<1
155913 (2160979)	<1	0.65	8	18	3.44	1410	<0.5	1.80	67.3	298	<1	20	0.05	<1
155914 (2160980)	<1	0.92	8	18	3.51	1440	<0.5	1.82	64.8	318	<1	27	0.05	<1
155915 (2160981)	<1	0.79	10	17	3.35	1380	<0.5	1.87	58.1	382	<1	25	0.05	<1
155916 (2160982)	<1	1.12	22	32	4.75	1350	0.9	1.76	92.1	933	<1	39	0.09	<1
155917 (2160983)	<1	2.19	46	37	11.2	950	0.9	0.34	429	1840	<1	95	0.10	<1
155918 (2160984)	<1	1.33	18	25	4.68	1340	0.5	1.60	131	863	<1	44	0.08	<1
155919 (2160985)	<1	1.10	17	23	3.52	1350	0.5	1.90	75.4	702	<1	36	0.03	<1
155920 (2160986)	<1	1.05	18	22	3.35	1310	0.5	1.85	70.8	736	<1	33	0.04	<1
155921 (2160987)	<1	0.75	16	17	2.69	1310	<0.5	2.07	42.6	610	<1	21	0.03	<1
155922 (2160988)	<1	0.33	13	16	3.14	1360	<0.5	2.64	50.8	496	<1	<10	0.02	<1
155923 (2160989)	<1	0.42	12	17	3.16	1410	<0.5	2.45	54.0	456	<1	12	0.02	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155924 (2160990)	<1	0.44	12	17	3.24	1410	<0.5	2.20	53.7	411	<1	12	0.03	<1
155925 (2160991)	<1	0.74	12	18	3.09	1400	<0.5	1.65	57.6	415	<1	23	0.04	<1
155926 (2160992)	<1	0.65	11	21	3.27	1400	<0.5	1.85	58.3	373	<1	20	0.02	<1
155927 (2160993)	<1	0.35	10	17	3.40	1420	<0.5	2.38	59.1	360	<1	<10	0.03	<1
155928 (2160994)	<1	0.36	10	22	3.46	1360	<0.5	2.87	59.1	386	<1	<10	0.01	<1
155929 (2160995)	<1	0.30	12	22	3.57	1410	<0.5	2.69	56.2	391	<1	<10	0.01	<1
155930 (2160996)	<1	0.64	12	13	3.86	1140	3.4	1.85	9280	545	8	15	2.54	<1
155931 (2160997)	<1	0.31	13	26	3.59	1360	<0.5	2.66	52.8	434	<1	<10	0.02	<1
155932 (2160998)	<1	0.43	13	21	3.34	1410	<0.5	2.63	52.0	405	<1	12	0.02	<1
155933 (2160999)	<1	0.51	16	19	3.24	1430	0.5	2.37	50.0	420	<1	16	0.02	<1
155934 (2161000)	<1	0.57	14	18	3.22	1420	0.5	2.43	51.7	419	<1	19	0.02	<1
155935 (2161001)	<1	0.44	11	18	3.35	1440	<0.5	2.83	52.1	424	<1	14	0.02	<1
155936 (2161002)	<1	0.42	11	18	3.51	1500	<0.5	2.83	51.5	436	<1	13	0.02	<1
155937 (2161003)	<1	0.72	11	20	3.09	1460	<0.5	2.05	51.4	432	<1	21	0.01	<1
155938 (2161004)	<1	0.73	13	20	2.97	1430	<0.5	2.10	50.4	476	<1	23	0.02	<1
155939 (2161005)	<1	0.74	14	20	3.10	1450	0.5	2.06	50.9	520	<1	23	0.02	<1
155940 (2161006)	<1	0.02	<2	11	12.5	443	<0.5	0.03	<0.5	48	<1	<10	0.02	<1
155941 (2161007)	<1	0.89	12	23	3.07	1280	0.7	2.07	51.1	444	<1	30	0.01	<1
155942 (2161008)	<1	0.86	13	21	3.34	1380	<0.5	1.81	54.7	498	<1	29	0.01	<1
155943 (2161009)	<1	0.53	15	17	3.53	1380	<0.5	2.05	56.2	445	<1	14	0.01	<1
155944 (2161010)	<1	0.36	15	17	3.76	1400	<0.5	2.09	55.7	473	<1	11	0.02	<1
155945 (2161011)	<1	0.32	14	19	3.68	1340	<0.5	2.29	58.0	423	<1	<10	0.01	<1
155946 (2161012)	<1	0.22	12	19	3.74	1360	<0.5	2.64	58.4	386	<1	<10	0.02	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155892 (2160958)	39	<10	<5	132	<10	<10	<5	0.76	<5	<5	461	<1	16	91.7
155893 (2160959)	40	<10	<5	199	<10	<10	<5	0.84	<5	<5	477	<1	17	89.9
155894 (2160960)	39	<10	<5	212	<10	<10	<5	0.57	<5	<5	333	<1	16	85.6
155895 (2160961)	37	<10	<5	196	<10	<10	<5	0.52	<5	<5	286	<1	17	76.3
155896 (2160962)	38	<10	<5	199	<10	<10	<5	0.43	<5	<5	260	<1	13	82.8
155897 (2160963)	39	<10	<5	200	<10	<10	<5	0.47	<5	<5	281	<1	14	91.5
155898 (2160964)	38	<10	<5	180	<10	<10	<5	0.45	<5	<5	282	<1	14	84.0
155899 (2160965)	40	<10	<5	184	<10	<10	<5	0.48	<5	<5	310	<1	13	77.5
155900 (2160966)	12	<10	<5	279	<10	<10	<5	0.61	<5	<5	108	11	11	113
155901 (2160967)	37	<10	<5	205	<10	<10	<5	0.42	<5	<5	255	<1	14	86.8
155902 (2160968)	39	<10	<5	200	<10	<10	<5	0.61	<5	<5	340	<1	15	108
155903 (2160969)	39	<10	<5	201	<10	<10	<5	0.46	<5	<5	264	<1	16	84.1
155904 (2160970)	39	<10	<5	184	<10	<10	<5	0.60	<5	<5	315	<1	18	83.9
155905 (2160971)	39	<10	<5	207	<10	<10	<5	0.49	<5	<5	291	<1	16	93.1
155906 (2160972)	36	<10	<5	163	<10	<10	<5	0.56	<5	<5	272	<1	20	76.5
155907 (2160973)	39	<10	<5	186	<10	<10	<5	0.63	<5	<5	345	<1	18	83.6
155908 (2160974)	40	<10	<5	198	<10	<10	<5	0.62	<5	<5	396	<1	15	87.9
155909 (2160975)	42	<10	<5	192	<10	<10	<5	0.80	<5	<5	568	<1	14	90.4
155910 (2160976)	<1	<10	<5	103	<10	<10	<5	<0.01	<5	<5	3.2	<1	<1	9.3
155911 (2160977)	42	<10	<5	192	<10	<10	<5	0.71	<5	<5	542	<1	14	93.8
155912 (2160978)	40	<10	<5	189	<10	<10	<5	0.73	<5	<5	521	<1	16	85.6
155913 (2160979)	40	<10	<5	184	<10	<10	<5	0.66	<5	<5	509	<1	15	87.0
155914 (2160980)	40	<10	<5	177	<10	<10	<5	0.68	<5	<5	476	<1	15	88.4
155915 (2160981)	38	<10	<5	194	<10	<10	<5	0.62	<5	<5	405	<1	17	87.2
155916 (2160982)	36	<10	<5	260	<10	<10	<5	0.80	<5	<5	385	<1	17	82.2
155917 (2160983)	27	<10	<5	516	<10	<10	<5	0.85	<5	<5	137	<1	11	54.8
155918 (2160984)	36	<10	<5	302	<10	<10	<5	0.79	<5	<5	413	<1	16	78.9
155919 (2160985)	34	<10	<5	288	<10	<10	<5	0.67	<5	<5	338	<1	20	79.6
155920 (2160986)	34	<10	<5	265	<10	<10	<5	0.67	<5	<5	329	<1	21	79.7
155921 (2160987)	33	<10	<5	234	<10	<10	<5	0.63	<5	<5	278	<1	24	80.3
155922 (2160988)	36	<10	<5	176	<10	<10	<5	0.58	<5	<5	281	<1	21	90.0
155923 (2160989)	37	<10	<5	207	<10	<10	<5	0.55	<5	<5	270	<1	19	87.8

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155924 (2160990)	36	<10	<5	202	<10	<10	<5	0.53	<5	<5	264	<1	18	88.3
155925 (2160991)	37	<10	<5	240	<10	<10	<5	0.48	<5	<5	261	<1	18	80.7
155926 (2160992)	37	<10	<5	208	<10	<10	<5	0.61	<5	<5	313	<1	17	86.1
155927 (2160993)	37	<10	<5	184	<10	<10	<5	0.61	<5	<5	324	<1	17	90.2
155928 (2160994)	37	<10	<5	168	<10	<10	<5	0.50	<5	<5	288	<1	17	89.6
155929 (2160995)	35	<10	<5	153	<10	<10	<5	0.56	<5	<5	305	<1	18	88.7
155930 (2160996)	11	<10	5	281	<10	<10	<5	0.62	<5	<5	107	12	11	110
155931 (2160997)	36	<10	<5	166	<10	<10	<5	0.63	<5	<5	311	<1	20	81.6
155932 (2160998)	37	<10	<5	170	<10	<10	<5	0.65	<5	<5	342	<1	19	89.6
155933 (2160999)	35	<10	<5	226	<10	<10	<5	0.60	<5	<5	354	<1	20	93.7
155934 (2161000)	36	<10	<5	193	<10	<10	<5	0.66	<5	<5	356	<1	19	95.0
155935 (2161001)	36	<10	<5	136	<10	<10	<5	0.71	<5	<5	318	<1	18	90.0
155936 (2161002)	38	<10	<5	100	<10	<10	<5	0.67	<5	<5	321	<1	19	99.8
155937 (2161003)	37	<10	<5	182	<10	<10	<5	0.65	<5	<5	310	<1	19	93.8
155938 (2161004)	37	<10	<5	197	<10	<10	<5	0.69	<5	<5	320	<1	20	92.6
155939 (2161005)	37	<10	<5	176	<10	<10	<5	0.71	<5	<5	318	<1	22	94.7
155940 (2161006)	<1	<10	<5	131	<10	<10	<5	<0.01	<5	<5	3.3	<1	<1	25.7
155941 (2161007)	34	<10	<5	198	<10	<10	<5	0.60	<5	<5	272	<1	19	89.2
155942 (2161008)	36	<10	<5	164	<10	<10	<5	0.61	<5	<5	291	<1	20	90.5
155943 (2161009)	37	<10	<5	163	<10	<10	<5	0.53	<5	<5	278	<1	20	82.9
155944 (2161010)	36	<10	<5	140	<10	<10	<5	0.53	<5	<5	265	<1	21	83.8
155945 (2161011)	34	<10	<5	150	<10	<10	<5	0.52	<5	<5	249	<1	18	80.2
155946 (2161012)	34	<10	<5	154	<10	<10	<5	0.46	<5	<5	252	<1	17	88.8

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155892 (2160958)	43
155893 (2160959)	51
155894 (2160960)	48
155895 (2160961)	55
155896 (2160962)	30
155897 (2160963)	38
155898 (2160964)	35
155899 (2160965)	32
155900 (2160966)	45
155901 (2160967)	39
155902 (2160968)	44
155903 (2160969)	40
155904 (2160970)	52
155905 (2160971)	43
155906 (2160972)	70
155907 (2160973)	49
155908 (2160974)	43
155909 (2160975)	35
155910 (2160976)	<5
155911 (2160977)	36
155912 (2160978)	47
155913 (2160979)	40
155914 (2160980)	42
155915 (2160981)	54
155916 (2160982)	73
155917 (2160983)	113
155918 (2160984)	70
155919 (2160985)	74
155920 (2160986)	77
155921 (2160987)	78
155922 (2160988)	65
155923 (2160989)	60

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AGAT Laboratories
5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155924 (2160990)	53
155925 (2160991)	57
155926 (2160992)	49
155927 (2160993)	49
155928 (2160994)	51
155929 (2160995)	53
155930 (2160996)	44
155931 (2160997)	60
155932 (2160998)	61
155933 (2160999)	54
155934 (2161000)	59
155935 (2161001)	56
155936 (2161002)	60
155937 (2161003)	54
155938 (2161004)	69
155939 (2161005)	78
155940 (2161006)	<5
155941 (2161007)	65
155942 (2161008)	72
155943 (2161009)	58
155944 (2161010)	62
155945 (2161011)	61
155946 (2161012)	58

Comments: RDL - Reported Detection Limit

2160958-2161012 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155892 (2160958)	8	61	89
155893 (2160959)	12	22	30
155894 (2160960)	5	16	18
155895 (2160961)	5	12	14
155896 (2160962)	5	18	18
155897 (2160963)	6	15	20
155898 (2160964)	4	20	26
155899 (2160965)	7	29	35
155900 (2160966)	164	1480	661
155901 (2160967)	6	16	24
155902 (2160968)	6	15	23
155903 (2160969)	6	15	20
155904 (2160970)	5	16	15
155905 (2160971)	5	18	18
155906 (2160972)	4	17	19
155907 (2160973)	6	31	29
155908 (2160974)	7	47	37
155909 (2160975)	11	107	91
155910 (2160976)	2	<1	<5
155911 (2160977)	16	133	101
155912 (2160978)	26	51	96
155913 (2160979)	18	23	38
155914 (2160980)	16	21	28
155915 (2160981)	9	19	21
155916 (2160982)	5	18	23
155917 (2160983)	2	3	6
155918 (2160984)	5	17	23
155919 (2160985)	4	22	25
155920 (2160986)	5	19	19
155921 (2160987)	4	18	18
155922 (2160988)	3	18	20
155923 (2160989)	5	18	21

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AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155924 (2160990)	5	18	20
155925 (2160991)	5	16	20
155926 (2160992)	7	21	23
155927 (2160993)	6	22	23
155928 (2160994)	3	21	18
155929 (2160995)	3	19	18
155930 (2160996)	192	1490	656
155931 (2160997)	6	19	20
155932 (2160998)	5	29	28
155933 (2160999)	5	25	24
155934 (2161000)	6	26	26
155935 (2161001)	5	24	31
155936 (2161002)	5	23	22
155937 (2161003)	4	19	23
155938 (2161004)	4	18	21
155939 (2161005)	5	20	23
155940 (2161006)	2	<1	<5
155941 (2161007)	3	42	16
155942 (2161008)	4	17	21
155943 (2161009)	3	17	22
155944 (2161010)	4	17	16
155945 (2161011)	3	15	11
155946 (2161012)	4	12	16

Comments: RDL - Reported Detection Limit

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Certified By:

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AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155894 (2160960)	77.23
155895 (2160961)	77.75
155902 (2160968)	75.46
155911 (2160977)	77.43
155922 (2160988)	77.52
155932 (2160998)	78.45
155942 (2161008)	77.48

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 10, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155892 (2160958)	86.64
155929 (2160995)	86.92

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2160958	< 0.5	< 0.5	0.0%	2160973	< 0.5	< 0.5	0.0%	2160983	< 0.5	< 0.5	0.0%	2160998	< 0.5	< 0.5	0.0%
Al	2160958	7.07	6.94	1.9%	2160973	7.31	7.43	1.6%	2160983	4.02	3.93	2.3%	2160998	7.45	7.51	0.8%
As	2160958	< 1	< 1	0.0%	2160973	< 1	< 1	0.0%	2160983	< 1	< 1	0.0%	2160998	3	< 1	
Ba	2160958	108	107	0.9%	2160973	272	274	0.7%	2160983	1980	1950	1.5%	2160998	144	144	0.0%
Be	2160958	0.9	0.9	0.0%	2160973	0.8	0.8	0.0%	2160983	1.3	1.2	8.0%	2160998	0.83	0.87	4.7%
Bi	2160958	< 1	< 1	0.0%	2160973	< 1	< 1	0.0%	2160983	< 1	< 1	0.0%	2160998	< 1	< 1	0.0%
Ca	2160958	5.98	5.96	0.3%	2160973	6.45	6.52	1.1%	2160983	7.73	7.46	3.6%	2160998	5.64	5.72	1.4%
Cd	2160958	< 0.5	< 0.5	0.0%	2160973	< 0.5	< 0.5	0.0%	2160983	< 0.5	< 0.5	0.0%	2160998	< 0.5	< 0.5	0.0%
Ce	2160958	21	22	4.7%	2160973	24	24	0.0%	2160983	103	100	3.0%	2160998	29	29	0.0%
Co	2160958	44.6	45.4	1.8%	2160973	45.0	44.2	1.8%	2160983	45.7	46.4	1.5%	2160998	45.1	45.4	0.7%
Cr	2160958	42.1	38.8	8.2%	2160973	35.5	34.2	3.7%	2160983	524	529	0.9%	2160998	33.2	33.7	1.5%
Cu	2160958	143	140	2.1%	2160973	136	139	2.2%	2160983	39.0	37.9	2.9%	2160998	183	184	0.5%
Fe	2160958	8.93	8.97	0.4%	2160973	8.84	8.95	1.2%	2160983	6.19	6.05	2.3%	2160998	9.58	9.65	0.7%
Ga	2160958	19	18	5.4%	2160973	20	21	4.9%	2160983	8	8	0.0%	2160998	23	22	4.4%
In	2160958	< 1	< 1	0.0%	2160973	< 1	< 1	0.0%	2160983	< 1	< 1	0.0%	2160998	< 1	< 1	0.0%
K	2160958	0.33	0.33	0.0%	2160973	0.80	0.81	1.2%	2160983	2.19	2.13	2.8%	2160998	0.43	0.43	0.0%
La	2160958	9	9	0.0%	2160973	10	11	9.5%	2160983	46	43	6.7%	2160998	13	14	7.4%
Li	2160958	20	20	0.0%	2160973	18	18	0.0%	2160983	37	37	0.0%	2160998	21	21	0.0%
Mg	2160958	3.82	3.88	1.6%	2160973	3.25	3.28	0.9%	2160983	11.2	11.1	0.9%	2160998	3.34	3.36	0.6%
Mn	2160958	1470	1490	1.4%	2160973	1440	1460	1.4%	2160983	950	918	3.4%	2160998	1410	1420	0.7%
Mo	2160958	< 0.5	< 0.5	0.0%	2160973	< 0.5	< 0.5	0.0%	2160983	0.90	0.99	9.5%	2160998	< 0.5	< 0.5	0.0%
Na	2160958	2.33	2.25	3.5%	2160973	1.76	1.78	1.1%	2160983	0.339	0.330	2.7%	2160998	2.63	2.67	1.5%
Ni	2160958	61.5	63.7	3.5%	2160973	57.4	56.8	1.1%	2160983	429	434	1.2%	2160998	52.0	52.2	0.4%
P	2160958	363	337	7.4%	2160973	389	377	3.1%	2160983	1840	1770	3.9%	2160998	405	412	1.7%
Pb	2160958	< 1	< 1	0.0%	2160973	< 1	< 1	0.0%	2160983	< 1	< 1	0.0%	2160998	< 1	< 1	0.0%
Rb	2160958	11	11	0.0%	2160973	24	24	0.0%	2160983	95	92	3.2%	2160998	12	13	8.0%
S	2160958	0.02	0.02	0.0%	2160973	0.04	0.04	0.0%	2160983	0.10	0.10	0.0%	2160998	0.02	0.02	0.0%
Sb	2160958	< 1	< 1	0.0%	2160973	< 1	< 1	0.0%	2160983	< 1	< 1	0.0%	2160998	< 1	< 1	0.0%
Sc	2160958	39	40	2.5%	2160973	39	39	0.0%	2160983	27	27	0.0%	2160998	37	37	0.0%
Se	2160958	< 10	< 10	0.0%	2160973	< 10	< 10	0.0%	2160983	< 10	< 10	0.0%	2160998	< 10	< 10	0.0%
Sn	2160958	< 5	< 5	0.0%	2160973	< 5	< 5	0.0%	2160983	< 5	< 5	0.0%	2160998	< 5	< 5	0.0%

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2160958	132	126	4.7%	2160973	186	188	1.1%	2160983	516	497	3.8%	2160998	170	174	2.3%
Ta	2160958	< 10	< 10	0.0%	2160973	< 10	< 10	0.0%	2160983	< 10	< 10	0.0%	2160998	< 10	< 10	0.0%
Te	2160958	< 10	< 10	0.0%	2160973	< 10	< 10	0.0%	2160983	< 10	< 10	0.0%	2160998	< 10	< 10	0.0%
Th	2160958	< 5	< 5	0.0%	2160973	< 5	< 5	0.0%	2160983	< 5	< 5	0.0%	2160998	< 5	< 5	0.0%
Ti	2160958	0.76	0.79	3.9%	2160973	0.63	0.64	1.6%	2160983	0.846	0.809	4.5%	2160998	0.649	0.678	4.4%
Tl	2160958	< 5	< 5	0.0%	2160973	< 5	< 5	0.0%	2160983	< 5	< 5	0.0%	2160998	< 5	< 5	0.0%
U	2160958	< 5	< 5	0.0%	2160973	< 5	< 5	0.0%	2160983	< 5	< 5	0.0%	2160998	< 5	< 5	0.0%
V	2160958	461	495	7.1%	2160973	345	346	0.3%	2160983	137	133	3.0%	2160998	342	359	4.9%
W	2160958	< 1	< 1	0.0%	2160973	< 1	< 1	0.0%	2160983	< 1	< 1	0.0%	2160998	< 1	< 1	0.0%
Y	2160958	16	16	0.0%	2160973	18	18	0.0%	2160983	11	10	9.5%	2160998	19	19	0.0%
Zn	2160958	91.7	93.4	1.8%	2160973	83.6	85.8	2.6%	2160983	54.8	54.6	0.4%	2160998	89.6	92.2	2.9%
Zr	2160958	43	47	8.9%	2160973	49	50	2.0%	2160983	113	107	5.5%	2160998	61	57	6.8%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2161008	< 0.5	< 0.5	0.0%												
Al	2161008	7.33	7.24	1.2%												
As	2161008	< 1	< 1	0.0%												
Ba	2161008	277	278	0.4%												
Be	2161008	0.9	0.9	0.0%												
Bi	2161008	< 1	< 1	0.0%												
Ca	2161008	6.13	6.21	1.3%												
Cd	2161008	< 0.5	< 0.5	0.0%												
Ce	2161008	29	29	0.0%												
Co	2161008	41.7	41.9	0.5%												
Cr	2161008	44.7	46.8	4.6%												
Cu	2161008	95.1	100	5.0%												
Fe	2161008	8.75	8.70	0.6%												
Ga	2161008	19	19	0.0%												
In	2161008	< 1	< 1	0.0%												
K	2161008	0.860	0.853	0.8%												
La	2161008	13	13	0.0%												
Li	2161008	21	22	4.7%												
Mg	2161008	3.34	3.33	0.3%												
Mn	2161008	1380	1360	1.5%												

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2161008	0.4	0.5	22.2%												
Na	2161008	1.81	1.82	0.6%												
Ni	2161008	54.7	54.6	0.2%												
P	2161008	498	498	0.0%												
Pb	2161008	< 1	< 1	0.0%												
Rb	2161008	29	29	0.0%												
S	2161008	0.01	0.01	0.0%												
Sb	2161008	< 1	< 1	0.0%												
Sc	2161008	36	37	2.7%												
Se	2161008	< 10	< 10	0.0%												
Sn	2161008	< 5	< 5	0.0%												
Sr	2161008	164	165	0.6%												
Ta	2161008	< 10	< 10	0.0%												
Te	2161008	< 10	< 10	0.0%												
Th	2161008	< 5	< 5	0.0%												
Ti	2161008	0.61	0.61	0.0%												
Tl	2161008	< 5	< 5	0.0%												
U	2161008	< 5	< 5	0.0%												
V	2161008	291	293	0.7%												
W	2161008	< 1	< 1	0.0%												
Y	2161008	20	20	0.0%												
Zn	2161008	90.5	91.4	1.0%												
Zr	2161008	72	65	10.2%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2160958	8	12		2160973	6	6	0.0%	2160983	2	2	0.0%	2160998	5	5	0.0%
Pd	2160958	61	73	17.9%	2160973	31	31	0.0%	2160983	3	3	0.0%	2160998	29	27	7.1%
Pt	2160958	89	109	20.2%	2160973	29	26	10.9%	2160983	6	< 5		2160998	28	25	11.3%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2161008	4	4	0.0%
Pd	2161008	17	18	5.7%
Pt	2161008	21	18	15.4%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag									3.03	3.3	109%	90% - 110%				
Al	8.47	8.19	97%	90% - 110%	6.96	6.87	99%	90% - 110%	4.75	4.84	102%	90% - 110%				
As	26	26	101%	90% - 110%	124	121	98%	90% - 110%								
Ba	540	513	95%	90% - 110%	186	181	97%	90% - 110%	216	218	101%	90% - 110%				
Be	4.0	3.3	84%	90% - 110%												
Ca	0.907	0.888	98%	90% - 110%	4.01	3.85	96%	90% - 110%	10	9	92%	90% - 110%				
Ce	98	100	102%	90% - 110%	24	23	96%	90% - 110%								
Co	13	13	100%	90% - 110%	22.1	20.1	91%	90% - 110%	191	185	96%	90% - 110%				
Cr	60.3	59.2	98%	90% - 110%					670	604	90%	90% - 110%				
Cu	150	151	101%	90% - 110%	88.6	86.3	97%	90% - 110%	7120	7147	100%	90% - 110%				
Fe	3.77	3.71	98%	90% - 110%	7.56	7.21	95%	90% - 110%	12.71	11.79	93%	90% - 110%				
K					2.021	2.052	102%	90% - 110%	0.1021	0.1106	108%	90% - 110%				
La	44	45	103%	90% - 110%					8.47	6.87	81%	90% - 110%				
Li	47	47	101%	90% - 110%												
Mg	1.10	1.04	94%	90% - 110%	2.412	2.302	95%	90% - 110%	7.41	7	94%	90% - 110%				
Mn	780	743	95%	90% - 110%	1510	1428	95%	90% - 110%								
Mo	14	13	91%	90% - 110%												
Na	1.624	1.636	101%	90% - 110%	0.617	0.616	100%	90% - 110%	0.112	0.123	110%	90% - 110%				
Ni	32	31	98%	90% - 110%	77.1	70.1	91%	90% - 110%	2480	2314	93%	90% - 110%				
P	750	696	93%	90% - 110%	892	855	96%	90% - 110%	731	681	93%	90% - 110%				
Pb	31	29	93%	90% - 110%												
Rb	143	148	103%	90% - 110%												
S					0.348	0.315	90%	90% - 110%								
Sc	12	12	100%	90% - 110%					21.33	20.33	95%	90% - 110%				
Sr	144	143	99%	90% - 110%	92.8	85.1	92%	90% - 110%	39	38	97%	90% - 110%				
Th	18.4	19.9	108%	90% - 110%												
Ti	0.53	0.49	92%	90% - 110%					0.419	0.413	99%	90% - 110%				
V	77	78	102%	90% - 110%					158	155	98%	90% - 110%				
W	5	4	72%	90% - 110%												
Y									12.67	12.01	95%	90% - 110%				
Zn	130	122	94%	90% - 110%	208	197	95%	90% - 110%	112	103	92%	90% - 110%				

Results relate only to the items tested. Results apply to samples as received.

5623 McADAM ROAD
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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Zr									35.7	34.1	96%	90% - 110%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	2017	106%	90% - 110%	1897	2019	106%	90% - 110%	1897	1911	101%	90% - 110%	1897	2048	107%	90% - 110%
Pd	1660	1768	106%	90% - 110%	1660	1752	106%	90% - 110%	1660	1729	104%	90% - 110%	1660	1793	108%	90% - 110%
Pt	223	219	98%	90% - 110%	223	234	105%	90% - 110%	223	228	102%	90% - 110%	223	228	102%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T716347

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T716354

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 01, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155947 (2161038)	2.49
155948 (2161039)	2.38
155949 (2161040)	1.07
155950 (2161041)	1.09
155951 (2161042)	2.42
155952 (2161043)	2.47
155953 (2161044)	2.44
155954 (2161045)	2.46
155955 (2161046)	2.43
155956 (2161047)	2.50
155957 (2161048)	2.32
155958 (2161049)	2.46
155959 (2161050)	2.29
155960 (2161051)	0.10
155961 (2161052)	2.25
155962 (2161053)	2.39
155963 (2161054)	2.32
155964 (2161055)	2.42
155965 (2161056)	2.43
155966 (2161057)	2.42
155967 (2161058)	2.26
155968 (2161059)	2.19
155969 (2161060)	2.50
155970 (2161061)	0.79
155971 (2161062)	2.33
155972 (2161063)	2.56
155973 (2161064)	2.26
155974 (2161065)	2.43
155975 (2161066)	2.12
155976 (2161067)	2.24
155977 (2161068)	2.33

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
155978 (2161069)	2.48
155979 (2161070)	1.13
155980 (2161071)	1.16
155981 (2161072)	2.24
155982 (2161073)	2.20
155983 (2161074)	2.37
155984 (2161075)	2.35
155985 (2161076)	2.34
155986 (2161077)	2.35
155987 (2161078)	2.28
155988 (2161079)	2.26
155989 (2161080)	2.53
155990 (2161081)	0.10
155991 (2161082)	2.38
155992 (2161083)	2.49
155993 (2161084)	2.40
155994 (2161085)	2.39
155995 (2161086)	2.28
155996 (2161087)	2.91
155997 (2161088)	2.03
155998 (2161089)	2.43
155999 (2161090)	2.42
156000 (2161091)	0.58

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155947 (2161038)	<0.5	7.37	<1	244	0.8	<1	6.52	<0.5	28	41.3	53.9	114	8.37	19
155948 (2161039)	<0.5	7.58	<1	304	0.9	<1	6.92	<0.5	27	46.3	51.7	116	9.38	20
155949 (2161040)	<0.5	7.75	<1	225	0.8	<1	6.79	<0.5	27	41.2	62.4	66.5	8.59	20
155950 (2161041)	<0.5	7.57	1	225	0.8	<1	6.57	<0.5	29	41.3	54.6	93.1	8.02	20
155951 (2161042)	<0.5	7.58	<1	233	0.8	<1	6.63	<0.5	26	42.6	64.4	120	8.20	19
155952 (2161043)	<0.5	7.47	<1	223	0.8	<1	6.55	<0.5	27	42.4	58.8	131	8.05	18
155953 (2161044)	<0.5	7.45	<1	192	0.8	<1	6.50	<0.5	25	45.7	57.2	142	8.68	18
155954 (2161045)	<0.5	6.95	2	232	0.8	<1	6.34	<0.5	30	49.1	54.7	135	9.16	19
155955 (2161046)	<0.5	7.39	<1	165	0.8	<1	6.12	<0.5	25	42.1	51.9	77.9	8.40	18
155956 (2161047)	<0.5	7.13	<1	103	0.7	<1	5.76	<0.5	25	43.7	55.0	102	8.22	18
155957 (2161048)	<0.5	7.77	<1	40	0.6	<1	6.07	<0.5	25	39.3	61.1	90.4	7.60	17
155958 (2161049)	<0.5	8.47	<1	128	0.6	<1	6.69	<0.5	17	44.1	99.4	73.1	6.98	18
155959 (2161050)	<0.5	8.53	2	126	0.5	<1	7.39	<0.5	17	36.6	84.8	95.9	6.06	18
155960 (2161051)	3.9	6.68	<1	277	0.8	<1	4.03	1.9	27	150	263	6670	14.2	15
155961 (2161052)	<0.5	7.75	<1	73	0.5	<1	6.80	<0.5	16	41.4	94.0	31.8	6.88	16
155962 (2161053)	<0.5	7.24	2	141	0.5	<1	6.41	<0.5	14	55.5	117	54.4	7.84	16
155963 (2161054)	<0.5	7.91	2	156	0.6	<1	6.51	<0.5	17	47.4	87.6	49.3	7.24	15
155964 (2161055)	<0.5	7.51	3	118	0.6	<1	7.38	<0.5	23	51.2	107	111	7.72	16
155965 (2161056)	<0.5	7.80	<1	84	0.6	<1	7.21	<0.5	17	48.5	99.6	119	7.69	17
155966 (2161057)	<0.5	7.76	<1	163	<0.5	<1	7.78	<0.5	11	47.1	134	53.2	6.99	16
155967 (2161058)	<0.5	7.28	<1	220	<0.5	<1	7.49	<0.5	9	47.6	136	57.9	6.94	15
155968 (2161059)	<0.5	8.10	<1	279	<0.5	<1	7.34	<0.5	9	43.2	130	59.1	6.45	16
155969 (2161060)	<0.5	9.15	1	285	<0.5	<1	7.22	<0.5	10	39.8	101	48.7	5.99	16
155970 (2161061)	<0.5	0.04	4	539	<0.5	<1	18.0	<0.5	<1	<0.5	13.5	<0.5	0.07	<5
155971 (2161062)	<0.5	8.31	2	205	<0.5	<1	6.97	<0.5	12	44.0	96.5	111	6.61	15
155972 (2161063)	<0.5	9.67	3	335	<0.5	<1	6.39	0.6	10	38.9	104	59.4	5.76	18
155973 (2161064)	<0.5	9.86	<1	332	<0.5	<1	6.46	<0.5	8	32.7	103	27.3	5.00	17
155974 (2161065)	<0.5	9.08	<1	235	0.6	<1	7.59	<0.5	15	30.8	88.6	19.3	5.80	20
155975 (2161066)	<0.5	7.59	<1	89	<0.5	<1	6.15	<0.5	12	35.9	126	10.0	6.03	15
155976 (2161067)	<0.5	7.21	<1	89	<0.5	<1	7.24	<0.5	9	32.7	108	7.2	5.51	15
155977 (2161068)	<0.5	7.08	<1	63	<0.5	<1	7.00	<0.5	11	47.7	144	10.1	7.21	14
155978 (2161069)	<0.5	8.81	6	290	<0.5	<1	6.12	<0.5	8	40.9	123	19.4	6.69	15

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
155979 (2161070)	<0.5	7.66	2	210	<0.5	<1	6.21	<0.5	6	69.3	117	42.2	8.04	15
155980 (2161071)	<0.5	8.75	5	230	<0.5	<1	6.08	<0.5	8	67.6	108	32.8	8.38	16
155981 (2161072)	<0.5	10.1	5	221	<0.5	<1	6.86	<0.5	6	40.6	120	26.6	5.47	16
155982 (2161073)	<0.5	10.4	<1	221	<0.5	<1	7.06	<0.5	7	33.6	95.5	39.3	4.95	17
155983 (2161074)	<0.5	10.3	3	198	<0.5	<1	7.62	<0.5	7	32.6	125	43.9	4.74	17
155984 (2161075)	<0.5	10.4	<1	213	<0.5	<1	7.32	<0.5	8	37.6	99.5	46.1	5.39	17
155985 (2161076)	<0.5	8.95	<1	199	<0.5	<1	7.19	<0.5	8	55.6	117	825	7.08	16
155986 (2161077)	<0.5	10.4	<1	171	<0.5	<1	6.90	<0.5	7	40.6	120	1180	5.56	17
155987 (2161078)	<0.5	11.0	2	153	<0.5	<1	7.95	<0.5	7	32.1	139	313	5.02	17
155988 (2161079)	<0.5	10.6	<1	155	<0.5	<1	7.25	<0.5	6	39.5	117	215	5.59	17
155989 (2161080)	<0.5	6.84	<1	130	<0.5	<1	6.00	<0.5	5	42.1	122	66.2	5.53	12
155990 (2161081)	4.0	6.91	4	282	0.8	<1	4.10	2.0	29	153	277	6500	14.5	16
155991 (2161082)	<0.5	10.8	2	163	<0.5	<1	7.80	<0.5	7	36.5	127	75.6	5.24	17
155992 (2161083)	<0.5	10.9	<1	157	<0.5	<1	7.63	<0.5	6	34.2	117	72.5	5.10	17
155993 (2161084)	<0.5	10.9	4	202	<0.5	<1	7.78	<0.5	6	35.1	130	56.3	5.10	17
155994 (2161085)	<0.5	10.9	<1	211	<0.5	<1	7.48	<0.5	7	33.4	133	68.2	4.82	19
155995 (2161086)	<0.5	8.84	2	182	<0.5	<1	7.03	<0.5	8	57.9	144	71.4	7.07	15
155996 (2161087)	<0.5	6.93	<1	345	<0.5	<1	7.77	<0.5	8	52.8	261	86.3	7.34	14
155997 (2161088)	<0.5	7.47	<1	305	<0.5	<1	7.10	<0.5	16	57.1	204	207	7.39	15
155998 (2161089)	<0.5	7.55	12	130	0.6	<1	5.66	<0.5	13	88.0	100	51.7	9.00	14
155999 (2161090)	<0.5	8.50	<1	160	<0.5	<1	6.39	<0.5	14	65.5	74.6	180	7.40	16
156000 (2161091)	<0.5	0.03	4	750	<0.5	<1	19.4	<0.5	<1	<0.5	8.8	<0.5	0.06	<5

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155947 (2161038)	<1	0.66	13	20	3.50	1460	0.8	1.93	59.4	495	<1	21	0.01	<1
155948 (2161039)	<1	0.87	13	20	3.76	1590	<0.5	1.61	68.8	477	<1	27	0.02	<1
155949 (2161040)	<1	0.65	12	20	3.49	1470	<0.5	1.91	58.2	499	<1	20	0.01	<1
155950 (2161041)	<1	0.62	13	19	3.19	1350	<0.5	1.95	57.3	546	<1	19	0.03	<1
155951 (2161042)	<1	0.59	12	18	3.48	1480	<0.5	1.95	62.9	453	<1	16	0.02	<1
155952 (2161043)	<1	0.61	12	18	3.45	1460	<0.5	2.08	63.9	490	<1	17	0.02	<1
155953 (2161044)	<1	0.51	12	19	3.69	1550	<0.5	2.08	64.3	448	<1	15	0.02	<1
155954 (2161045)	<1	0.63	13	19	3.83	1590	<0.5	1.83	64.6	507	<1	19	0.02	<1
155955 (2161046)	<1	0.49	12	17	3.82	1390	<0.5	2.44	63.1	445	<1	11	0.01	<1
155956 (2161047)	<1	0.30	11	20	4.00	1350	<0.5	2.42	64.1	418	<1	<10	0.01	<1
155957 (2161048)	<1	0.15	12	19	3.85	1210	<0.5	2.84	62.6	463	<1	<10	0.01	<1
155958 (2161049)	<1	0.41	8	21	4.15	1300	<0.5	1.96	91.9	307	<1	15	0.02	<1
155959 (2161050)	<1	0.48	8	18	3.78	1160	<0.5	2.06	80.3	316	<1	18	0.02	<1
155960 (2161051)	<1	0.63	12	13	3.90	1120	3.9	1.85	9160	597	9	14	2.69	<1
155961 (2161052)	<1	0.28	8	18	4.34	1270	<0.5	2.43	89.0	305	<1	11	<0.01	<1
155962 (2161053)	<1	0.50	6	23	5.27	1470	<0.5	1.78	144	236	<1	19	<0.01	<1
155963 (2161054)	<1	0.58	8	21	4.46	1310	<0.5	1.86	112	303	<1	21	<0.01	<1
155964 (2161055)	<1	0.38	11	20	4.69	1400	<0.5	1.63	123	425	<1	14	0.01	<1
155965 (2161056)	<1	0.31	8	19	4.69	1420	<0.5	2.00	106	303	<1	13	0.01	<1
155966 (2161057)	<1	0.50	5	15	4.72	1340	<0.5	1.31	109	204	<1	17	<0.01	<1
155967 (2161058)	<1	0.70	4	13	4.79	1360	<0.5	1.18	109	155	<1	25	<0.01	<1
155968 (2161059)	<1	1.07	4	19	4.50	1260	0.5	1.64	95.2	164	<1	45	0.01	<1
155969 (2161060)	<1	1.05	5	21	4.31	1170	<0.5	1.81	89.0	156	<1	43	<0.01	<1
155970 (2161061)	<1	<0.01	3	8	12.2	421	<0.5	0.03	0.5	37	<1	<10	0.02	<1
155971 (2161062)	<1	0.73	6	21	4.51	1230	<0.5	1.74	97.9	214	<1	29	0.01	<1
155972 (2161063)	<1	1.46	5	29	3.93	1100	<0.5	2.02	97.3	171	<1	71	0.01	<1
155973 (2161064)	<1	1.58	4	26	3.70	1050	<0.5	2.03	77.3	143	<1	80	<0.01	<1
155974 (2161065)	<1	1.05	7	19	3.54	1050	<0.5	2.13	70.0	255	<1	50	<0.01	<1
155975 (2161066)	<1	0.62	6	26	4.23	1000	<0.5	2.48	84.5	182	<1	22	<0.01	<1
155976 (2161067)	<1	0.87	5	50	3.76	816	<0.5	1.61	81.7	193	<1	30	0.03	<1
155977 (2161068)	<1	0.34	5	32	4.92	1270	<0.5	2.02	117	169	<1	11	0.03	<1
155978 (2161069)	<1	1.07	4	36	4.74	1200	<0.5	1.98	95.3	125	<1	40	<0.01	<1

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
155979 (2161070)	<1	0.66	3	34	5.89	1370	<0.5	1.16	221	106	<1	24	0.01	<1
155980 (2161071)	<1	0.76	4	40	5.86	1420	<0.5	1.37	200	133	<1	28	<0.01	<1
155981 (2161072)	<1	0.94	3	24	4.10	1000	<0.5	1.90	113	100	<1	40	<0.01	<1
155982 (2161073)	<1	1.10	3	23	3.68	964	<0.5	2.18	90.6	130	<1	48	<0.01	<1
155983 (2161074)	<1	0.72	3	16	3.57	920	<0.5	1.95	85.9	122	<1	30	<0.01	<1
155984 (2161075)	<1	0.73	4	19	3.74	970	<0.5	2.04	103	137	<1	28	<0.01	<1
155985 (2161076)	<1	0.55	4	22	4.85	1210	<0.5	1.48	204	138	<1	21	0.10	<1
155986 (2161077)	<1	0.61	4	22	3.65	935	<0.5	2.05	174	141	<1	27	0.14	<1
155987 (2161078)	<1	0.54	3	16	3.18	881	<0.5	2.06	112	113	<1	21	0.04	<1
155988 (2161079)	<1	0.54	3	20	3.80	975	<0.5	2.12	124	105	<1	20	0.03	<1
155989 (2161080)	<1	0.43	3	17	4.11	993	<0.5	1.21	124	93	<1	16	0.01	<1
155990 (2161081)	<1	0.65	13	13	4.04	1160	3.9	1.88	9350	638	7	15	2.77	<1
155991 (2161082)	<1	0.49	3	19	3.73	917	<0.5	1.95	113	131	<1	18	0.01	<1
155992 (2161083)	<1	0.56	3	17	3.60	907	0.6	2.01	93.5	122	<1	21	0.01	<1
155993 (2161084)	<1	0.80	3	18	3.61	927	<0.5	2.15	95.8	119	<1	32	0.01	<1
155994 (2161085)	<1	0.98	3	18	3.32	894	<0.5	2.29	90.0	128	<1	41	0.03	<1
155995 (2161086)	<1	0.70	4	27	5.07	1260	<0.5	1.75	218	142	<1	31	0.06	<1
155996 (2161087)	<1	1.24	3	19	5.76	1380	<0.5	1.02	158	120	<1	46	0.02	<1
155997 (2161088)	<1	0.97	7	21	5.47	1280	<0.5	1.25	194	294	<1	34	0.04	<1
155998 (2161089)	<1	0.52	7	42	7.33	1490	0.5	0.65	322	182	<1	28	0.03	<1
155999 (2161090)	<1	0.45	7	27	5.36	1180	<0.5	1.48	226	263	<1	18	0.05	<1
156000 (2161091)	1	0.01	<2	6	13.0	429	<0.5	0.02	0.8	49	<1	<10	0.02	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155947 (2161038)	40	<10	<5	197	<10	<10	<5	0.54	<5	<5	268	<1	22	105
155948 (2161039)	43	<10	<5	212	<10	<10	<5	0.55	<5	<5	289	<1	22	111
155949 (2161040)	39	<10	<5	225	<10	<10	<5	0.50	<5	<5	254	<1	21	93.7
155950 (2161041)	36	<10	<5	224	<10	<10	<5	0.45	<5	<5	247	<1	21	87.5
155951 (2161042)	41	<10	<5	208	<10	<10	<5	0.52	<5	<5	277	<1	21	98.4
155952 (2161043)	41	<10	<5	195	<10	<10	<5	0.53	<5	<5	283	<1	21	92.7
155953 (2161044)	43	<10	<5	183	<10	<10	<5	0.52	<5	<5	294	<1	21	94.4
155954 (2161045)	46	<10	<5	162	<10	<10	<5	0.56	<5	<5	317	<1	24	95.4
155955 (2161046)	40	<10	<5	167	<10	<10	<5	0.51	<5	<5	272	<1	20	83.6
155956 (2161047)	39	<10	<5	149	<10	<10	<5	0.49	<5	<5	286	<1	20	85.4
155957 (2161048)	35	<10	<5	172	<10	<10	<5	0.53	<5	<5	272	<1	20	78.0
155958 (2161049)	38	<10	<5	206	<10	<10	<5	0.32	<5	<5	202	<1	15	80.2
155959 (2161050)	35	<10	<5	234	<10	<10	<5	0.32	<5	<5	194	<1	14	71.9
155960 (2161051)	12	<10	6	296	<10	14	<5	0.59	<5	<5	110	11	12	116
155961 (2161052)	37	<10	<5	200	<10	<10	<5	0.30	<5	<5	193	<1	14	79.8
155962 (2161053)	41	<10	<5	153	<10	<10	<5	0.28	<5	<5	199	<1	13	97.4
155963 (2161054)	35	<10	<5	193	<10	<10	<5	0.33	<5	<5	192	<1	14	83.1
155964 (2161055)	39	<10	<5	204	<10	<10	<5	0.39	<5	<5	224	<1	18	81.9
155965 (2161056)	40	<10	<5	209	<10	<10	<5	0.34	<5	<5	208	<1	15	83.3
155966 (2161057)	40	<10	<5	211	<10	<10	<5	0.26	<5	<5	195	<1	12	78.7
155967 (2161058)	43	<10	<5	190	<10	<10	<5	0.26	<5	<5	204	<1	11	69.2
155968 (2161059)	39	<10	<5	210	<10	<10	<5	0.23	<5	<5	182	<1	10	77.1
155969 (2161060)	34	<10	<5	254	<10	<10	<5	0.21	<5	<5	158	<1	10	81.7
155970 (2161061)	<1	<10	<5	115	<10	<10	<5	<0.01	<5	<5	2.5	<1	<1	18.8
155971 (2161062)	35	<10	<5	217	<10	<10	<5	0.28	<5	<5	186	<1	12	106
155972 (2161063)	28	<10	<5	257	<10	<10	<5	0.21	<5	<5	143	<1	9	115
155973 (2161064)	26	<10	<5	282	<10	<10	<5	0.19	<5	<5	131	<1	8	80.7
155974 (2161065)	33	<10	<5	292	<10	<10	<5	0.55	<5	<5	288	<1	14	56.3
155975 (2161066)	33	<10	<5	149	<10	<10	<5	0.28	<5	<5	198	<1	12	53.4
155976 (2161067)	36	<10	<5	123	<10	<10	<5	0.24	<5	<5	173	<1	10	44.7
155977 (2161068)	42	<10	<5	131	<10	<10	<5	0.24	<5	<5	192	<1	11	72.1
155978 (2161069)	33	<10	<5	194	<10	<10	<5	0.18	<5	<5	143	<1	8	68.0

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
155979 (2161070)	25	<10	<5	153	<10	<10	<5	0.13	<5	<5	111	<1	7	88.4
155980 (2161071)	23	<10	<5	169	<10	<10	<5	0.16	<5	<5	111	<1	7	91.7
155981 (2161072)	25	<10	<5	271	<10	<10	<5	0.14	<5	<5	108	<1	6	63.3
155982 (2161073)	26	<10	<5	330	<10	<10	<5	0.17	<5	<5	120	<1	7	76.5
155983 (2161074)	28	<10	<5	301	<10	<10	<5	0.17	<5	<5	125	<1	7	59.1
155984 (2161075)	24	<10	<5	288	<10	<10	<5	0.18	<5	<5	115	<1	7	59.4
155985 (2161076)	27	<10	<5	230	<10	<10	<5	0.18	<5	<5	127	<1	8	74.8
155986 (2161077)	21	<10	<5	268	<10	<10	<5	0.18	<5	<5	123	<1	7	65.4
155987 (2161078)	25	<10	<5	318	<10	<10	<5	0.17	<5	<5	141	<1	7	67.0
155988 (2161079)	23	<10	<5	268	<10	<10	<5	0.16	<5	<5	124	<1	6	64.2
155989 (2161080)	26	<10	<5	166	<10	<10	<5	0.16	<5	<5	133	<1	6	62.0
155990 (2161081)	13	<10	<5	300	<10	13	<5	0.60	<5	<5	114	11	13	116
155991 (2161082)	21	<10	<5	288	<10	<10	<5	0.17	<5	<5	118	2	7	57.6
155992 (2161083)	23	<10	<5	291	<10	<10	<5	0.21	<5	<5	166	<1	6	55.6
155993 (2161084)	24	<10	<5	318	<10	<10	<5	0.18	<5	<5	141	<1	6	67.9
155994 (2161085)	25	<10	<5	341	<10	<10	<5	0.19	<5	<5	148	<1	7	76.2
155995 (2161086)	28	<10	<5	240	<10	<10	<5	0.23	<5	<5	164	<1	8	75.4
155996 (2161087)	46	<10	<5	163	<10	<10	<5	0.26	<5	<5	210	<1	12	91.2
155997 (2161088)	36	<10	<5	177	<10	<10	<5	0.34	<5	<5	187	<1	14	83.1
155998 (2161089)	21	<10	<5	118	<10	10	<5	0.18	<5	<5	104	<1	8	111
155999 (2161090)	20	<10	<5	180	<10	<10	<5	0.30	<5	<5	129	<1	11	91.1
156000 (2161091)	<1	<10	<5	131	<10	<10	<5	<0.01	<5	<5	2.0	<1	<1	7.8

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AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155947 (2161038)	74
155948 (2161039)	69
155949 (2161040)	55
155950 (2161041)	65
155951 (2161042)	59
155952 (2161043)	65
155953 (2161044)	60
155954 (2161045)	77
155955 (2161046)	58
155956 (2161047)	53
155957 (2161048)	54
155958 (2161049)	40
155959 (2161050)	43
155960 (2161051)	51
155961 (2161052)	39
155962 (2161053)	35
155963 (2161054)	44
155964 (2161055)	55
155965 (2161056)	34
155966 (2161057)	29
155967 (2161058)	21
155968 (2161059)	24
155969 (2161060)	22
155970 (2161061)	<5
155971 (2161062)	28
155972 (2161063)	20
155973 (2161064)	19
155974 (2161065)	34
155975 (2161066)	22
155976 (2161067)	19
155977 (2161068)	23
155978 (2161069)	16

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
155979 (2161070)	13
155980 (2161071)	16
155981 (2161072)	11
155982 (2161073)	15
155983 (2161074)	17
155984 (2161075)	18
155985 (2161076)	13
155986 (2161077)	16
155987 (2161078)	14
155988 (2161079)	15
155989 (2161080)	11
155990 (2161081)	53
155991 (2161082)	15
155992 (2161083)	14
155993 (2161084)	16
155994 (2161085)	15
155995 (2161086)	16
155996 (2161087)	22
155997 (2161088)	32
155998 (2161089)	22
155999 (2161090)	27
156000 (2161091)	<5

Comments: RDL - Reported Detection Limit

2161038-2161091 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155947 (2161038)	5	18	9
155948 (2161039)	4	16	15
155949 (2161040)	12	13	15
155950 (2161041)	8	13	16
155951 (2161042)	4	15	14
155952 (2161043)	4	16	18
155953 (2161044)	4	17	19
155954 (2161045)	5	15	21
155955 (2161046)	3	18	14
155956 (2161047)	4	24	17
155957 (2161048)	3	17	17
155958 (2161049)	2	6	8
155959 (2161050)	3	6	6
155960 (2161051)	141	1290	645
155961 (2161052)	2	6	5
155962 (2161053)	2	7	9
155963 (2161054)	5	11	11
155964 (2161055)	5	11	19
155965 (2161056)	3	25	6
155966 (2161057)	3	8	6
155967 (2161058)	3	7	<5
155968 (2161059)	3	8	7
155969 (2161060)	2	9	<5
155970 (2161061)	1	<1	<5
155971 (2161062)	3	11	6
155972 (2161063)	2	34	<5
155973 (2161064)	2	35	6
155974 (2161065)	2	17	<5
155975 (2161066)	4	10	11
155976 (2161067)	8	9	8
155977 (2161068)	3	18	24
155978 (2161069)	<1	14	28

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
155979 (2161070)	3	19	28
155980 (2161071)	3	16	34
155981 (2161072)	3	15	<5
155982 (2161073)	45	14	6
155983 (2161074)	5	17	10
155984 (2161075)	4	12	11
155985 (2161076)	20	65	50
155986 (2161077)	32	15	36
155987 (2161078)	6	11	<5
155988 (2161079)	12	12	11
155989 (2161080)	3	21	14
155990 (2161081)	195	1440	688
155991 (2161082)	3	10	9
155992 (2161083)	3	13	17
155993 (2161084)	2	10	12
155994 (2161085)	2	12	15
155995 (2161086)	16	28	44
155996 (2161087)	4	5	9
155997 (2161088)	9	200	40
155998 (2161089)	3	78	22
155999 (2161090)	4	21	9
156000 (2161091)	3	<1	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155947 (2161038)	75.12
155957 (2161048)	75.16
155967 (2161058)	78.10
155977 (2161068)	76.72
155987 (2161078)	76.67
155997 (2161088)	79.68

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 01, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
155947 (2161038)	85.19
155968 (2161059)	85.00
155975 (2161066)	85.86

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2161038	< 0.5	< 0.5	0.0%	2161053	< 0.5	< 0.5	0.0%	2161063	< 0.5	< 0.5	0.0%	2161078	< 0.5	< 0.5	0.0%
Al	2161038	7.37	7.60	3.1%	2161053	7.24	7.31	1.0%	2161063	9.67	9.63	0.4%	2161078	11.0	10.9	0.9%
As	2161038	< 1	< 1	0.0%	2161053	2	3		2161063	3	< 1		2161078	2	< 1	
Ba	2161038	244	247	1.2%	2161053	141	142	0.7%	2161063	335	348	3.8%	2161078	153	150	2.0%
Be	2161038	0.84	0.87	3.5%	2161053	0.5	0.5	0.0%	2161063	< 0.5	< 0.5	0.0%	2161078	< 0.5	< 0.5	0.0%
Bi	2161038	< 1	< 1	0.0%	2161053	< 1	< 1	0.0%	2161063	< 1	< 1	0.0%	2161078	< 1	< 1	0.0%
Ca	2161038	6.52	6.64	1.8%	2161053	6.41	6.40	0.2%	2161063	6.39	6.42	0.5%	2161078	7.95	7.76	2.4%
Cd	2161038	< 0.5	< 0.5	0.0%	2161053	< 0.5	< 0.5	0.0%	2161063	0.63	0.69	9.1%	2161078	< 0.5	< 0.5	0.0%
Ce	2161038	28	29	3.5%	2161053	14	14	0.0%	2161063	10	9	10.5%	2161078	7	6	15.4%
Co	2161038	41.3	43.0	4.0%	2161053	55.5	54.7	1.5%	2161063	38.9	38.9	0.0%	2161078	32.1	32.1	0.0%
Cr	2161038	53.9	46.8	14.1%	2161053	117	107	8.9%	2161063	104	84.5	20.7%	2161078	139	137	1.4%
Cu	2161038	114	115	0.9%	2161053	54.4	52.1	4.3%	2161063	59.4	66.5	11.3%	2161078	313	309	1.3%
Fe	2161038	8.37	8.77	4.7%	2161053	7.84	7.89	0.6%	2161063	5.76	5.66	1.8%	2161078	5.02	4.95	1.4%
Ga	2161038	19	20	5.1%	2161053	16	16	0.0%	2161063	18	17	5.7%	2161078	17	17	0.0%
In	2161038	< 1	< 1	0.0%	2161053	< 1	< 1	0.0%	2161063	< 1	< 1	0.0%	2161078	< 1	< 1	0.0%
K	2161038	0.66	0.68	3.0%	2161053	0.505	0.519	2.7%	2161063	1.46	1.51	3.4%	2161078	0.54	0.54	0.0%
La	2161038	13	13	0.0%	2161053	6	6	0.0%	2161063	5	4	22.2%	2161078	3	3	0.0%
Li	2161038	20	20	0.0%	2161053	23	23	0.0%	2161063	29	29	0.0%	2161078	16	15	6.5%
Mg	2161038	3.50	3.62	3.4%	2161053	5.27	5.29	0.4%	2161063	3.93	3.93	0.0%	2161078	3.18	3.14	1.3%
Mn	2161038	1460	1490	2.0%	2161053	1470	1470	0.0%	2161063	1100	1090	0.9%	2161078	881	872	1.0%
Mo	2161038	0.8	< 0.5		2161053	< 0.5	< 0.5	0.0%	2161063	< 0.5	< 0.5	0.0%	2161078	< 0.5	< 0.5	0.0%
Na	2161038	1.93	1.98	2.6%	2161053	1.78	1.77	0.6%	2161063	2.02	2.05	1.5%	2161078	2.06	2.02	2.0%
Ni	2161038	59.4	61.4	3.3%	2161053	144	142	1.4%	2161063	97.3	97.4	0.1%	2161078	112	112	0.0%
P	2161038	495	505	2.0%	2161053	236	239	1.3%	2161063	171	162	5.4%	2161078	113	109	3.6%
Pb	2161038	< 1	< 1	0.0%	2161053	< 1	< 1	0.0%	2161063	< 1	< 1	0.0%	2161078	< 1	< 1	0.0%
Rb	2161038	21	21	0.0%	2161053	19	20	5.1%	2161063	71	74	4.1%	2161078	21	21	0.0%
S	2161038	0.015	0.016	6.5%	2161053	< 0.01	0.01		2161063	0.01	< 0.01		2161078	0.04	0.04	0.0%
Sb	2161038	< 1	< 1	0.0%	2161053	< 1	< 1	0.0%	2161063	< 1	< 1	0.0%	2161078	< 1	< 1	0.0%
Sc	2161038	40	42	4.9%	2161053	41	41	0.0%	2161063	28	27	3.6%	2161078	25	25	0.0%
Se	2161038	< 10	< 10	0.0%	2161053	< 10	< 10	0.0%	2161063	< 10	< 10	0.0%	2161078	< 10	< 10	0.0%
Sn	2161038	< 5	< 5	0.0%	2161053	< 5	< 5	0.0%	2161063	< 5	< 5	0.0%	2161078	< 5	< 5	0.0%

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2161038	197	200	1.5%	2161053	153	155	1.3%	2161063	257	260	1.2%	2161078	318	312	1.9%
Ta	2161038	< 10	< 10	0.0%	2161053	< 10	< 10	0.0%	2161063	< 10	< 10	0.0%	2161078	< 10	< 10	0.0%
Te	2161038	< 10	< 10	0.0%	2161053	< 10	< 10	0.0%	2161063	< 10	< 10	0.0%	2161078	< 10	< 10	0.0%
Th	2161038	< 5	< 5	0.0%	2161053	< 5	< 5	0.0%	2161063	< 5	< 5	0.0%	2161078	< 5	< 5	0.0%
Ti	2161038	0.544	0.558	2.5%	2161053	0.282	0.275	2.5%	2161063	0.209	0.218	4.2%	2161078	0.17	0.17	0.0%
Tl	2161038	< 5	< 5	0.0%	2161053	< 5	< 5	0.0%	2161063	< 5	< 5	0.0%	2161078	< 5	< 5	0.0%
U	2161038	< 5	< 5	0.0%	2161053	< 5	< 5	0.0%	2161063	< 5	< 5	0.0%	2161078	< 5	< 5	0.0%
V	2161038	268	275	2.6%	2161053	199	196	1.5%	2161063	143	144	0.7%	2161078	141	142	0.7%
W	2161038	< 1	< 1	0.0%	2161053	< 1	< 1	0.0%	2161063	< 1	< 1	0.0%	2161078	< 1	< 1	0.0%
Y	2161038	22	23	4.4%	2161053	13	13	0.0%	2161063	9	9	0.0%	2161078	7	7	0.0%
Zn	2161038	105	106	0.9%	2161053	97.4	94.6	2.9%	2161063	115	121	5.1%	2161078	67.0	63.4	5.5%
Zr	2161038	74	76	2.7%	2161053	35	33	5.9%	2161063	20	22	9.5%	2161078	14	13	7.4%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2161088	< 0.5	< 0.5	0.0%												
Al	2161088	7.47	7.18	4.0%												
As	2161088	< 1	< 1	0.0%												
Ba	2161088	305	276	10.0%												
Be	2161088	0.5	0.5	0.0%												
Bi	2161088	< 1	< 1	0.0%												
Ca	2161088	7.10	7.03	1.0%												
Cd	2161088	< 0.5	< 0.5	0.0%												
Ce	2161088	16	17	6.1%												
Co	2161088	57.1	57.8	1.2%												
Cr	2161088	204	229	11.5%												
Cu	2161088	207	227	9.2%												
Fe	2161088	7.39	7.51	1.6%												
Ga	2161088	15	15	0.0%												
In	2161088	< 1	< 1	0.0%												
K	2161088	0.97	0.90	7.5%												
La	2161088	7	8	13.3%												
Li	2161088	21	20	4.9%												
Mg	2161088	5.47	5.54	1.3%												
Mn	2161088	1280	1310	2.3%												

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2161088	< 0.5	< 0.5	0.0%												
Na	2161088	1.25	1.17	6.6%												
Ni	2161088	194	189	2.6%												
P	2161088	294	325	10.0%												
Pb	2161088	< 1	< 1	0.0%												
Rb	2161088	34	32	6.1%												
S	2161088	0.045	0.046	2.2%												
Sb	2161088	< 1	< 1	0.0%												
Sc	2161088	36	39	8.0%												
Se	2161088	< 10	< 10	0.0%												
Sn	2161088	< 5	< 5	0.0%												
Sr	2161088	177	168	5.2%												
Ta	2161088	< 10	< 10	0.0%												
Te	2161088	< 10	< 10	0.0%												
Th	2161088	< 5	< 5	0.0%												
Ti	2161088	0.34	0.35	2.9%												
Tl	2161088	< 5	< 5	0.0%												
U	2161088	< 5	< 5	0.0%												
V	2161088	187	204	8.7%												
W	2161088	< 1	< 1	0.0%												
Y	2161088	14	16	13.3%												
Zn	2161088	83.1	84.3	1.4%												
Zr	2161088	32	38	17.1%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2161038	5	5	0.0%	2161053	2	2	0.0%	2161063	2	2	0.0%	2161078	6	6	0.0%
Pd	2161038	18	19	5.4%	2161053	7	7	0.0%	2161063	34	36	5.7%	2161078	11	12	8.7%
Pt	2161038	9	11	20.0%	2161053	9	5		2161063	< 5	< 5	0.0%	2161078	< 5	< 5	0.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2161088	9	9	0.0%
Pd	2161088	200	187	6.7%
Pt	2161088	40	47	16.1%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.WMG-1a)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Ag									3.03	3.17	104%	90% - 110%				
Al	8.47	8.49	100%	90% - 110%	6.96	6.84	98%	90% - 110%	4.75	4.83	102%	90% - 110%				
As	26	25	95%	90% - 110%	124	123	99%	90% - 110%								
Ba	540	541	100%	90% - 110%	186	185	100%	90% - 110%	216	218	101%	90% - 110%				
Be	4.0	3.4	86%	90% - 110%												
Ca	0.907	0.935	103%	90% - 110%	4.01	3.9	97%	90% - 110%	10	9	92%	90% - 110%				
Ce	98	101	103%	90% - 110%	24	22	92%	90% - 110%								
Co	13	12	92%	90% - 110%	22.1	21	95%	90% - 110%	191	181	94%	90% - 110%				
Cr	60.3	63.6	105%	90% - 110%					670	640	95%	90% - 110%				
Cu	150	159	106%	90% - 110%	88.6	89.4	101%	90% - 110%	7120	7170	101%	90% - 110%				
Fe	3.77	3.79	101%	90% - 110%	7.56	7.03	93%	90% - 110%	12.71	11.5	90%	90% - 110%				
K					2.021	2.092	104%	90% - 110%	0.1021	0.1084	106%	90% - 110%				
La	44	47	108%	90% - 110%					8.47	6.92	82%	90% - 110%				
Li	47	50	106%	90% - 110%												
Mg	1.10	1.1	100%	90% - 110%	2.412	2.349	97%	90% - 110%	7.41	7.19	97%	90% - 110%				
Mn	780	772	99%	90% - 110%	1510	1413	94%	90% - 110%								
Mo	14	14	98%	90% - 110%					2.49	1.76	71%	90% - 110%				
Na	1.624	1.71	105%	90% - 110%	0.617	0.623	101%	90% - 110%	0.112	0.121	108%	90% - 110%				
Ni	32	33	103%	90% - 110%	77.1	73.3	95%	90% - 110%	2480	2311	93%	90% - 110%				
P	750	762	102%	90% - 110%	892	912	102%	90% - 110%	731	734	100%	90% - 110%				
Rb	143	134	94%	90% - 110%												
S					0.348	0.33	95%	90% - 110%								
Sc	12	13	108%	90% - 110%					21.33	22.07	103%	90% - 110%				
Sr	144	156	108%	90% - 110%	92.8	90.2	97%	90% - 110%	39	39	100%	90% - 110%				
Th	18.4	17.5	95%	90% - 110%												
Ti	0.53	0.48	91%	90% - 110%					0.419	0.395	94%	90% - 110%				
V	77	81	105%	90% - 110%					158	161	102%	90% - 110%				
Y									12.67	13.39	106%	90% - 110%				
Zn	130	129	99%	90% - 110%	208	203	98%	90% - 110%	112	106	95%	90% - 110%				
Zr									35.7	38.4	107%	90% - 110%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1897	2043	108%	90% - 110%	1897	1924	101%	90% - 110%	1897	2042	107%	90% - 110%				
Pd	1660	1755	105%	90% - 110%	1660	1811	109%	90% - 110%	1660	1739	104%	90% - 110%				
Pt	223	222	99%	90% - 110%	223	220	99%	90% - 110%	223	227	102%	90% - 110%				

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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AGAT Laboratories

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http://www.agatlabs.com

Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T716354

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T716360

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 18, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5948101 (2161097)	2.25
E5948102 (2161098)	2.44
E5948103 (2161099)	2.42
E5948104 (2161100)	2.41
E5948105 (2161101)	2.28
E5948106 (2161102)	2.37
E5948107 (2161103)	2.30
E5948108 (2161104)	2.36
E5948109 (2161105)	1.10
E5948110 (2161106)	1.03
E5948111 (2161107)	2.44
E5948112 (2161108)	2.49
E5948113 (2161109)	2.42
E5948114 (2161110)	2.37
E5948115 (2161111)	2.34
E5948116 (2161112)	2.26
E5948117 (2161113)	2.16
E5948118 (2161114)	2.32
E5948119 (2161115)	2.37
E5948120 (2161116)	0.10
E5948121 (2161117)	2.42
E5948122 (2161118)	2.38
E5948123 (2161119)	2.38
E5948124 (2161120)	2.58
E5948125 (2161121)	2.42
E5948126 (2161122)	2.47
E5948127 (2161123)	2.41
E5948128 (2161124)	2.29
E5948129 (2161125)	2.20
E5948130 (2161126)	0.84
E5948131 (2161127)	2.47

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5948132 (2161128)	2.42
E5948133 (2161129)	2.42
E5948134 (2161130)	2.23
E5948135 (2161131)	2.52
E5948136 (2161132)	2.32
E5948137 (2161133)	2.37
E5948138 (2161134)	2.49
E5948139 (2161135)	1.09
E5948140 (2161136)	1.08
E5948141 (2161137)	2.40
E5948142 (2161138)	2.34
E5948143 (2161139)	2.33
E5948144 (2161140)	2.42
E5948145 (2161141)	2.35
E5948146 (2161142)	2.34
E5948147 (2161143)	2.47
E5948148 (2161144)	2.40
E5948149 (2161145)	2.47
E5948150 (2161146)	0.10
E5948151 (2161147)	2.15
E5948152 (2161148)	2.37
E5948153 (2161149)	2.50
E5948154 (2161150)	2.69
E5948155 (2161151)	3.68
E5948156 (2161152)	3.58
E5948157 (2161153)	2.32

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5948101 (2161097)	<0.5	8.49	<1	141	<0.5	<1	6.58	<0.5	5	72.9	166	43.6	7.57	15
E5948102 (2161098)	<0.5	8.55	<1	122	<0.5	<1	6.20	<0.5	5	59.8	233	17.1	7.04	13
E5948103 (2161099)	<0.5	7.40	<1	67	<0.5	<1	5.55	<0.5	4	76.2	139	162	7.97	14
E5948104 (2161100)	<0.5	9.32	<1	94	<0.5	<1	6.49	<0.5	7	50.1	173	29.3	6.81	17
E5948105 (2161101)	<0.5	10.8	<1	233	<0.5	<1	6.67	<0.5	7	30.7	113	14.6	4.66	15
E5948106 (2161102)	<0.5	10.9	<1	232	<0.5	<1	7.91	<0.5	7	27.1	180	24.0	4.25	16
E5948107 (2161103)	<0.5	11.4	<1	223	0.5	<1	7.89	<0.5	13	26.5	91.8	54.8	4.16	18
E5948108 (2161104)	<0.5	10.6	<1	280	0.5	<1	7.52	<0.5	9	33.2	161	30.8	4.73	16
E5948109 (2161105)	<0.5	9.52	<1	270	0.7	<1	6.82	<0.5	13	33.3	174	29.1	5.99	16
E5948110 (2161106)	<0.5	9.72	<1	323	0.8	<1	6.98	<0.5	14	36.2	214	79.3	6.01	18
E5948111 (2161107)	<0.5	9.17	<1	136	0.6	<1	5.84	<0.5	7	44.8	155	40.6	6.93	16
E5948112 (2161108)	<0.5	7.82	<1	164	0.7	<1	6.47	<0.5	7	50.3	196	44.4	7.91	17
E5948113 (2161109)	<0.5	8.06	<1	90	0.7	<1	5.55	<0.5	6	54.1	261	9.3	9.11	17
E5948114 (2161110)	<0.5	8.50	<1	39	0.6	<1	3.92	<0.5	8	59.2	208	32.9	9.58	17
E5948115 (2161111)	<0.5	9.73	<1	50	0.5	<1	3.45	<0.5	8	60.1	164	95.4	9.71	19
E5948116 (2161112)	<0.5	9.51	<1	45	0.5	<1	3.38	<0.5	7	60.7	217	571	9.39	18
E5948117 (2161113)	<0.5	9.19	<1	43	<0.5	<1	4.10	<0.5	6	63.7	250	247	11.8	19
E5948118 (2161114)	<0.5	7.69	<1	23	0.5	<1	3.92	<0.5	4	82.6	260	264	13.8	21
E5948119 (2161115)	<0.5	6.68	<1	16	0.7	<1	8.75	<0.5	23	45.9	78.8	913	9.23	24
E5948120 (2161116)	3.0	6.92	<1	266	0.9	<1	3.99	0.9	27	181	249	6790	14.5	11
E5948121 (2161117)	<0.5	6.47	<1	16	1.0	<1	6.07	<0.5	30	57.7	92.1	358	8.62	18
E5948122 (2161118)	<0.5	6.90	<1	47	1.0	<1	6.17	<0.5	30	73.9	51.5	272	8.74	19
E5948123 (2161119)	<0.5	6.93	<1	46	1.0	<1	6.37	<0.5	30	66.1	56.5	240	8.41	20
E5948124 (2161120)	<0.5	7.29	<1	22	0.8	<1	5.82	<0.5	26	53.6	81.5	349	8.08	18
E5948125 (2161121)	<0.5	6.97	<1	28	1.0	<1	5.99	0.7	29	63.6	53.3	387	7.73	18
E5948126 (2161122)	<0.5	7.02	<1	23	1.0	<1	6.23	<0.5	30	52.7	91.4	319	8.31	19
E5948127 (2161123)	<0.5	6.87	<1	32	1.0	<1	6.33	<0.5	31	45.1	82.8	209	7.66	18
E5948128 (2161124)	<0.5	7.77	<1	58	0.9	<1	8.44	<0.5	16	51.4	169	25.1	7.44	17
E5948129 (2161125)	<0.5	11.4	<1	191	0.6	<1	5.17	<0.5	4	47.5	243	2.1	5.83	17
E5948130 (2161126)	<0.5	0.05	<1	2460	<0.5	<1	18.5	<0.5	<1	<0.5	6.5	<0.5	0.06	<5
E5948131 (2161127)	<0.5	12.3	<1	369	<0.5	<1	6.92	<0.5	4	30.2	234	<0.5	4.12	15
E5948132 (2161128)	<0.5	11.1	<1	229	<0.5	<1	5.12	<0.5	3	43.6	163	<0.5	4.67	13

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5948133 (2161129)	<0.5	7.83	<1	28	<0.5	<1	4.44	<0.5	5	83.3	189	13.3	8.04	15
E5948134 (2161130)	<0.5	8.21	<1	45	<0.5	<1	5.24	<0.5	7	78.6	185	72.9	8.10	15
E5948135 (2161131)	<0.5	7.63	<1	13	<0.5	<1	5.68	<0.5	7	86.9	216	261	9.25	17
E5948136 (2161132)	<0.5	8.02	<1	61	<0.5	<1	6.38	<0.5	2	72.3	292	105	7.74	15
E5948137 (2161133)	0.9	8.58	<1	52	<0.5	<1	4.86	1.4	4	87.5	198	2280	7.61	16
E5948138 (2161134)	<0.5	6.53	<1	49	<0.5	<1	5.80	<0.5	9	66.8	549	1120	6.90	12
E5948139 (2161135)	<0.5	7.37	<1	119	<0.5	<1	5.63	<0.5	4	60.0	550	899	6.46	12
E5948140 (2161136)	<0.5	7.54	<1	126	<0.5	<1	5.49	0.5	3	58.2	547	760	6.38	12
E5948141 (2161137)	0.8	8.58	<1	158	<0.5	<1	5.34	1.0	4	63.5	445	2420	6.02	14
E5948142 (2161138)	0.9	7.19	<1	106	<0.5	<1	5.26	0.9	5	67.2	503	2420	6.77	13
E5948143 (2161139)	<0.5	8.14	<1	185	<0.5	<1	4.63	<0.5	4	54.5	342	378	6.01	13
E5948144 (2161140)	<0.5	8.92	<1	118	<0.5	<1	4.16	<0.5	1	68.7	138	788	6.71	15
E5948145 (2161141)	<0.5	8.48	<1	75	<0.5	<1	4.03	<0.5	<1	69.4	76.7	274	7.60	16
E5948146 (2161142)	<0.5	8.00	<1	52	<0.5	<1	5.07	<0.5	25	60.7	143	167	7.04	16
E5948147 (2161143)	<0.5	9.73	<1	112	<0.5	<1	5.21	<0.5	1	54.1	93.2	239	5.60	16
E5948148 (2161144)	<0.5	7.52	<1	48	<0.5	<1	4.84	<0.5	<1	62.0	277	430	7.24	15
E5948149 (2161145)	<0.5	11.0	<1	132	<0.5	<1	5.69	<0.5	<1	47.9	100	429	5.92	21
E5948150 (2161146)	3.8	6.75	<1	274	0.9	<1	3.91	1.0	28	178	252	6870	14.3	11
E5948151 (2161147)	<0.5	11.9	<1	287	<0.5	<1	5.32	<0.5	<1	34.2	138	312	4.46	18
E5948152 (2161148)	<0.5	9.98	<1	319	<0.5	<1	5.43	0.6	5	51.9	220	805	5.57	17
E5948153 (2161149)	<0.5	10.6	<1	497	1.3	<1	6.27	<0.5	21	43.2	325	399	7.54	29
E5948154 (2161150)	<0.5	7.90	<1	432	0.9	<1	3.82	0.6	7	128	138	775	16.2	29
E5948155 (2161151)	0.5	1.86	<1	115	<0.5	<1	1.03	0.6	18	346	79.8	3490	>50	49
E5948156 (2161152)	<0.5	0.91	<1	20	<0.5	<1	0.62	<0.5	7	992	123	2080	>50	50
E5948157 (2161153)	<0.5	7.46	<1	80	0.7	<1	1.84	<0.5	10	41.7	59.2	57.4	5.18	16

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5948101 (2161097)	<1	0.57	2	29	6.52	1310	<0.5	1.23	280	119	<1	20	0.12	2
E5948102 (2161098)	<1	0.52	2	31	6.50	1300	<0.5	1.45	219	117	<1	19	0.10	<1
E5948103 (2161099)	<1	0.35	<2	33	6.99	1400	<0.5	1.57	280	109	2	15	0.11	<1
E5948104 (2161100)	<1	0.38	3	31	5.62	1210	<0.5	1.76	118	136	3	15	0.10	<1
E5948105 (2161101)	<1	0.90	3	26	3.64	928	<0.5	2.62	88.5	158	4	40	0.10	<1
E5948106 (2161102)	<1	0.71	3	13	3.41	902	<0.5	2.37	77.9	146	1	24	0.11	<1
E5948107 (2161103)	<1	0.66	6	14	2.62	772	<0.5	2.21	62.6	270	<1	22	0.12	<1
E5948108 (2161104)	<1	1.20	4	15	3.53	906	<0.5	1.95	86.4	176	<1	44	0.11	<1
E5948109 (2161105)	<1	1.09	5	16	3.53	1050	<0.5	2.16	76.4	253	2	41	0.11	<1
E5948110 (2161106)	<1	1.30	6	16	3.56	1060	<0.5	2.03	78.6	255	3	46	0.13	<1
E5948111 (2161107)	<1	0.48	3	22	4.47	1170	<0.5	2.27	108	146	<1	17	0.09	<1
E5948112 (2161108)	<1	0.49	2	21	5.16	1360	<0.5	1.60	118	122	2	16	0.10	<1
E5948113 (2161109)	<1	0.32	2	22	5.12	1450	<0.5	1.94	158	131	2	11	0.08	<1
E5948114 (2161110)	<1	0.11	3	25	5.05	1410	<0.5	2.56	193	150	2	<10	0.06	<1
E5948115 (2161111)	<1	0.14	3	30	4.79	1360	<0.5	2.67	260	157	1	<10	0.07	<1
E5948116 (2161112)	<1	0.13	<2	28	4.78	1310	<0.5	2.85	299	139	4	<10	0.14	1
E5948117 (2161113)	<1	0.11	<2	31	5.56	1490	<0.5	2.21	256	113	2	<10	0.08	3
E5948118 (2161114)	<1	0.08	<2	30	6.40	1700	<0.5	1.57	351	95	5	<10	0.16	2
E5948119 (2161115)	<1	0.07	11	8	3.52	1240	<0.5	1.15	79.6	450	4	<10	0.30	<1
E5948120 (2161116)	<1	0.68	10	13	3.80	1100	3.1	1.88	9770	619	45	15	2.81	<1
E5948121 (2161117)	<1	0.09	13	9	4.18	1280	<0.5	2.59	48.2	617	1	<10	0.34	<1
E5948122 (2161118)	<1	0.16	12	10	3.90	1210	<0.5	2.42	46.3	659	3	<10	0.57	<1
E5948123 (2161119)	<1	0.14	12	10	3.97	1170	<0.5	2.34	47.8	639	3	<10	0.53	<1
E5948124 (2161120)	<1	0.08	10	11	4.74	1190	<0.5	2.60	62.8	586	2	<10	0.20	<1
E5948125 (2161121)	<1	0.10	12	10	4.34	1160	<0.5	2.58	57.9	647	10	<10	0.40	<1
E5948126 (2161122)	<1	0.09	12	24	4.09	1260	<0.5	1.91	67.9	621	7	<10	0.32	<1
E5948127 (2161123)	<1	0.11	13	15	3.65	1110	<0.5	2.34	52.5	649	3	<10	0.30	<1
E5948128 (2161124)	<1	0.43	9	53	3.79	1440	<0.5	0.56	243	210	<1	18	0.17	<1
E5948129 (2161125)	<1	1.04	<2	39	4.60	933	<0.5	1.77	225	89	<1	39	0.07	1
E5948130 (2161126)	2	0.01	3	7	12.4	414	<0.5	0.03	1.4	76	2	<10	0.30	<1
E5948131 (2161127)	<1	1.15	<2	30	3.20	695	<0.5	2.53	120	94	<1	45	0.09	1
E5948132 (2161128)	<1	0.79	<2	32	4.27	817	<0.5	2.79	164	152	1	28	0.07	2

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5948133 (2161129)	<1	0.13	2	37	7.89	1330	<0.5	1.33	367	118	<1	<10	0.06	2
E5948134 (2161130)	<1	0.19	3	35	7.75	1320	<0.5	0.82	406	95	3	<10	0.08	<1
E5948135 (2161131)	<1	0.05	3	33	8.76	1500	<0.5	0.37	458	94	3	<10	0.10	3
E5948136 (2161132)	<1	0.24	<2	34	7.21	1370	<0.5	1.29	434	82	2	<10	0.09	<1
E5948137 (2161133)	<1	0.18	<2	35	7.10	1250	<0.5	1.53	873	86	6	<10	0.29	2
E5948138 (2161134)	<1	0.17	3	28	7.71	1280	<0.5	1.28	372	151	5	<10	0.20	<1
E5948139 (2161135)	<1	0.41	<2	29	7.02	1140	<0.5	1.54	400	79	5	16	0.18	3
E5948140 (2161136)	<1	0.43	<2	29	6.92	1130	<0.5	1.63	364	64	3	17	0.15	2
E5948141 (2161137)	<1	0.54	<2	27	5.85	1030	<0.5	1.79	668	95	5	20	0.35	2
E5948142 (2161138)	<1	0.32	<2	30	7.32	1230	<0.5	1.58	479	120	6	12	0.33	<1
E5948143 (2161139)	<1	0.51	<2	34	6.86	1170	<0.5	1.95	229	73	2	20	0.11	4
E5948144 (2161140)	<1	0.36	<2	41	7.08	1180	<0.5	1.75	193	47	3	12	0.14	1
E5948145 (2161141)	<1	0.24	<2	43	7.68	1310	<0.5	1.48	70.7	40	2	<10	0.09	<1
E5948146 (2161142)	<1	0.16	11	30	6.51	1220	<0.5	1.91	98.8	402	5	<10	0.17	<1
E5948147 (2161143)	<1	0.40	<2	30	5.17	960	<0.5	1.82	98.9	42	1	15	0.14	<1
E5948148 (2161144)	<1	0.17	<2	33	7.33	1320	<0.5	1.20	178	29	2	<10	0.15	2
E5948149 (2161145)	<1	0.49	<2	30	3.97	898	<0.5	1.98	113	29	2	18	0.21	<1
E5948150 (2161146)	<1	0.68	10	12	3.75	1120	3.1	1.90	9720	585	45	15	2.64	<1
E5948151 (2161147)	<1	0.93	<2	27	3.16	768	<0.5	2.64	109	32	6	30	0.12	<1
E5948152 (2161148)	<1	0.71	<2	25	4.21	1080	<0.5	2.43	283	83	13	23	0.25	2
E5948153 (2161149)	<1	0.45	7	29	3.02	1330	1.4	1.84	236	413	7	11	0.38	1
E5948154 (2161150)	<1	1.44	<2	20	2.95	1780	<0.5	2.03	397	195	8	59	0.32	<1
E5948155 (2161151)	<1	0.39	<2	5	0.90	965	3.2	0.47	1430	89	33	13	0.99	7
E5948156 (2161152)	<1	0.08	<2	2	0.47	715	<0.5	0.29	2680	28	31	<10	0.90	10
E5948157 (2161153)	<1	0.23	4	12	1.73	1210	<0.5	4.37	30.3	72	<1	<10	0.05	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5948101 (2161097)	23	<10	<5	160	<10	<10	<5	0.14	<5	9	104	<1	6	98.3
E5948102 (2161098)	26	<10	<5	162	<10	<10	<5	0.14	<5	10	112	<1	5	97.3
E5948103 (2161099)	24	<10	<5	108	<10	<10	<5	0.13	<5	11	108	<1	5	108
E5948104 (2161100)	21	<10	<5	215	<10	<10	<5	0.16	<5	9	104	<1	6	104
E5948105 (2161101)	24	<10	<5	267	<10	<10	<5	0.18	<5	7	113	<1	7	60.9
E5948106 (2161102)	28	<10	<5	303	<10	<10	<5	0.18	<5	7	131	<1	7	59.9
E5948107 (2161103)	20	<10	<5	313	<10	<10	<5	0.25	<5	7	129	<1	10	45.6
E5948108 (2161104)	25	<10	<5	278	<10	<10	<5	0.22	<5	7	139	<1	8	55.4
E5948109 (2161105)	32	<10	<5	238	<10	<10	<5	0.28	<5	9	174	<1	11	72.9
E5948110 (2161106)	33	<10	<5	239	<10	<10	<5	0.45	<5	9	256	<1	12	90.2
E5948111 (2161107)	28	<10	<5	205	<10	<10	<5	0.20	<5	10	139	<1	7	78.3
E5948112 (2161108)	36	<10	<5	175	<10	<10	<5	0.21	<5	11	166	<1	8	89.1
E5948113 (2161109)	36	<10	<5	155	<10	<10	<5	0.19	<5	12	162	<1	8	99.4
E5948114 (2161110)	26	<10	<5	108	<10	<10	<5	0.18	<5	11	133	<1	8	104
E5948115 (2161111)	19	<10	<5	141	<10	<10	<5	0.18	<5	12	108	<1	6	104
E5948116 (2161112)	22	<10	<5	142	<10	<10	<5	0.16	<5	12	107	<1	6	124
E5948117 (2161113)	21	<10	<5	145	<10	<10	<5	0.14	<5	13	108	<1	6	119
E5948118 (2161114)	22	<10	<5	61	<10	<10	<5	0.11	<5	13	106	<1	5	145
E5948119 (2161115)	25	<10	<5	1420	<10	<10	<5	0.49	<5	13	193	<1	17	72.8
E5948120 (2161116)	12	<10	<5	277	<10	<10	<5	0.62	<5	16	115	<1	11	116
E5948121 (2161117)	34	<10	<5	215	<10	<10	<5	0.66	<5	11	285	<1	25	79.8
E5948122 (2161118)	35	<10	<5	126	<10	<10	<5	0.69	<5	11	298	<1	25	72.5
E5948123 (2161119)	36	<10	<5	137	<10	<10	<5	0.70	<5	12	303	<1	25	71.9
E5948124 (2161120)	34	<10	<5	118	<10	<10	<5	0.64	<5	10	277	<1	22	93.1
E5948125 (2161121)	36	<10	<5	127	<10	<10	<5	0.69	<5	10	292	<1	25	117
E5948126 (2161122)	35	<10	<5	154	<10	<10	<5	0.66	<5	11	300	<1	25	89.3
E5948127 (2161123)	36	<10	<5	137	<10	<10	<5	0.71	<5	10	297	<1	25	69.7
E5948128 (2161124)	20	<10	<5	74	<10	<10	<5	0.22	<5	11	154	<1	17	102
E5948129 (2161125)	13	<10	<5	204	<10	<10	<5	0.08	<5	9	85.1	<1	4	97.0
E5948130 (2161126)	<1	<10	<5	153	<10	<10	<5	<0.01	<5	<5	1.3	<1	<1	15.5
E5948131 (2161127)	13	<10	<5	301	<10	<10	<5	0.10	<5	7	64.5	<1	4	56.2
E5948132 (2161128)	11	<10	<5	233	<10	<10	<5	0.09	<5	7	55.2	<1	3	75.0

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5948133 (2161129)	16	<10	<5	78	<10	<10	<5	0.12	<5	9	80.3	<1	5	120
E5948134 (2161130)	17	<10	<5	117	<10	<10	<5	0.11	<5	11	84.1	<1	6	118
E5948135 (2161131)	16	<10	<5	95	<10	<10	<5	0.09	<5	11	81.1	<1	6	142
E5948136 (2161132)	21	<10	<5	100	<10	<10	<5	0.10	<5	9	106	<1	4	117
E5948137 (2161133)	13	<10	<5	112	<10	<10	<5	0.09	<5	9	73.8	<1	4	140
E5948138 (2161134)	30	<10	<5	89	<10	<10	<5	0.26	<5	9	160	<1	9	104
E5948139 (2161135)	30	<10	<5	110	<10	<10	<5	0.14	<5	8	125	<1	5	97.5
E5948140 (2161136)	29	<10	<5	112	<10	<10	<5	0.13	<5	9	121	<1	5	98.6
E5948141 (2161137)	25	<10	<5	151	<10	<10	<5	0.12	<5	9	111	<1	5	99.4
E5948142 (2161138)	31	<10	<5	98	<10	<10	<5	0.17	<5	9	140	<1	6	114
E5948143 (2161139)	24	<10	<5	109	<10	<10	<5	0.12	<5	8	106	<1	4	97.4
E5948144 (2161140)	15	<10	<5	103	<10	<10	<5	0.07	<5	9	57.0	<1	2	115
E5948145 (2161141)	13	<10	<5	85	<10	<10	<5	0.06	<5	9	60.1	<1	2	127
E5948146 (2161142)	21	<10	<5	114	<10	<10	<5	0.28	<5	9	121	<1	16	111
E5948147 (2161143)	18	<10	<5	176	<10	<10	<5	0.08	<5	8	71.9	<1	2	96.4
E5948148 (2161144)	25	<10	<5	96	<10	<10	<5	0.09	<5	9	91.6	<1	2	127
E5948149 (2161145)	10	<10	<5	239	<10	<10	<5	0.24	<5	9	144	<1	<1	94.5
E5948150 (2161146)	12	<10	<5	285	<10	<10	<5	0.62	<5	16	114	1	11	114
E5948151 (2161147)	11	<10	<5	286	<10	<10	<5	0.06	<5	7	40.5	<1	1	77.0
E5948152 (2161148)	18	<10	<5	223	<10	<10	<5	0.12	<5	7	80.6	<1	5	143
E5948153 (2161149)	14	<10	<5	315	<10	<10	<5	0.20	<5	9	106	<1	31	122
E5948154 (2161150)	20	<10	<5	177	12	<10	<5	0.49	<5	17	261	<1	12	187
E5948155 (2161151)	3	<10	<5	21	26	17	<5	0.15	<5	53	97.9	<1	14	148
E5948156 (2161152)	<1	<10	<5	12	26	20	<5	0.07	<5	57	76.5	<1	4	72.4
E5948157 (2161153)	12	<10	<5	58	<10	<10	<5	0.36	<5	7	115	<1	15	117

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5948101 (2161097)	17
E5948102 (2161098)	15
E5948103 (2161099)	14
E5948104 (2161100)	15
E5948105 (2161101)	19
E5948106 (2161102)	19
E5948107 (2161103)	31
E5948108 (2161104)	28
E5948109 (2161105)	33
E5948110 (2161106)	36
E5948111 (2161107)	20
E5948112 (2161108)	17
E5948113 (2161109)	22
E5948114 (2161110)	27
E5948115 (2161111)	19
E5948116 (2161112)	20
E5948117 (2161113)	18
E5948118 (2161114)	16
E5948119 (2161115)	46
E5948120 (2161116)	55
E5948121 (2161117)	77
E5948122 (2161118)	68
E5948123 (2161119)	67
E5948124 (2161120)	65
E5948125 (2161121)	72
E5948126 (2161122)	59
E5948127 (2161123)	65
E5948128 (2161124)	24
E5948129 (2161125)	11
E5948130 (2161126)	<5
E5948131 (2161127)	11
E5948132 (2161128)	10

Certified By:

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AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5948133 (2161129)	17
E5948134 (2161130)	22
E5948135 (2161131)	18
E5948136 (2161132)	14
E5948137 (2161133)	12
E5948138 (2161134)	23
E5948139 (2161135)	11
E5948140 (2161136)	11
E5948141 (2161137)	15
E5948142 (2161138)	20
E5948143 (2161139)	12
E5948144 (2161140)	7
E5948145 (2161141)	6
E5948146 (2161142)	54
E5948147 (2161143)	6
E5948148 (2161144)	5
E5948149 (2161145)	<5
E5948150 (2161146)	52
E5948151 (2161147)	<5
E5948152 (2161148)	15
E5948153 (2161149)	57
E5948154 (2161150)	17
E5948155 (2161151)	62
E5948156 (2161152)	29
E5948157 (2161153)	41

Comments: RDL - Reported Detection Limit

2161097-2161153 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5948101 (2161097)	2	8	<5
E5948102 (2161098)	5	8	<5
E5948103 (2161099)	11	9	<5
E5948104 (2161100)	2	9	12
E5948105 (2161101)	2	9	10
E5948106 (2161102)	2	6	<5
E5948107 (2161103)	3	7	<5
E5948108 (2161104)	2	9	<5
E5948109 (2161105)	2	5	7
E5948110 (2161106)	3	10	15
E5948111 (2161107)	5	67	36
E5948112 (2161108)	3	7	6
E5948113 (2161109)	2	12	8
E5948114 (2161110)	4	89	20
E5948115 (2161111)	10	199	112
E5948116 (2161112)	41	647	253
E5948117 (2161113)	11	31	36
E5948118 (2161114)	6	9	<5
E5948119 (2161115)	25	20	18
E5948120 (2161116)	144	1380	692
E5948121 (2161117)	9	18	19
E5948122 (2161118)	8	19	19
E5948123 (2161119)	5	19	21
E5948124 (2161120)	11	17	22
E5948125 (2161121)	12	19	20
E5948126 (2161122)	9	18	22
E5948127 (2161123)	5	20	20
E5948128 (2161124)	5	48	24
E5948129 (2161125)	2	4	5
E5948130 (2161126)	2	<1	<5
E5948131 (2161127)	3	6	8
E5948132 (2161128)	2	2	<5

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5948133 (2161129)	5	135	30
E5948134 (2161130)	14	539	47
E5948135 (2161131)	11	228	116
E5948136 (2161132)	19	672	344
E5948137 (2161133)	92	1660	470
E5948138 (2161134)	34	629	196
E5948139 (2161135)	26	287	159
E5948140 (2161136)	18	89	52
E5948141 (2161137)	95	1760	786
E5948142 (2161138)	79	2440	1100
E5948143 (2161139)	25	234	103
E5948144 (2161140)	25	30	23
E5948145 (2161141)	10	2	<5
E5948146 (2161142)	7	5	<5
E5948147 (2161143)	8	<1	<5
E5948148 (2161144)	16	58	28
E5948149 (2161145)	25	73	21
E5948150 (2161146)	153	1390	724
E5948151 (2161147)	13	60	23
E5948152 (2161148)	44	282	90
E5948153 (2161149)	36	12	12
E5948154 (2161150)	43	13	11
E5948155 (2161151)	191	35	23
E5948156 (2161152)	70	55	44
E5948157 (2161153)	4	<1	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5948101 (2161097)	77.74
E5948112 (2161108)	77.71
E5948123 (2161119)	78.47
E5948132 (2161128)	78.49
E5948142 (2161138)	77.78
E5948151 (2161147)	77.92

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Feb 28, 2021 | DATE RECEIVED: Mar 01, 2021 | DATE REPORTED: Apr 18, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5948101 (2161097)	87.64
E5948118 (2161114)	87.34
E5948137 (2161133)	88.30
E5948155 (2161151)	86.80

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2161097	< 0.5	< 0.5	0.0%	2161112	< 0.5	< 0.5	0.0%	2161122	< 0.5	< 0.5	0.0%	2161137	0.78	0.87	10.9%
Al	2161097	8.49	8.34	1.8%	2161112	9.51	9.53	0.2%	2161122	7.02	7.01	0.1%	2161137	8.58	8.77	2.2%
As	2161097	< 1	< 1	0.0%	2161112	< 1	< 1	0.0%	2161122	< 1	< 1	0.0%	2161137	< 1	< 1	0.0%
Ba	2161097	141	139	1.4%	2161112	45	46	2.2%	2161122	23	22	4.4%	2161137	158	166	4.9%
Be	2161097	< 0.5	< 0.5	0.0%	2161112	0.5	0.5	0.0%	2161122	1.0	1.0	0.0%	2161137	< 0.5	< 0.5	0.0%
Bi	2161097	< 1	< 1	0.0%	2161112	< 1	< 1	0.0%	2161122	< 1	< 1	0.0%	2161137	< 1	< 1	0.0%
Ca	2161097	6.58	6.67	1.4%	2161112	3.38	3.43	1.5%	2161122	6.23	6.37	2.2%	2161137	5.34	5.57	4.2%
Cd	2161097	< 0.5	< 0.5	0.0%	2161112	< 0.5	< 0.5	0.0%	2161122	< 0.5	< 0.5	0.0%	2161137	1.04	1.11	6.5%
Ce	2161097	5	5	0.0%	2161112	7	7	0.0%	2161122	30	29	3.4%	2161137	4	4	0.0%
Co	2161097	72.9	73.7	1.1%	2161112	60.7	59.3	2.3%	2161122	52.7	50.9	3.5%	2161137	63.5	63.1	0.6%
Cr	2161097	166	142	15.6%	2161112	217	211	2.8%	2161122	91.4	80.8	12.3%	2161137	445	421	5.5%
Cu	2161097	43.6	40.9	6.4%	2161112	571	576	0.9%	2161122	319	312	2.2%	2161137	2420	2450	1.2%
Fe	2161097	7.57	7.78	2.7%	2161112	9.39	9.47	0.8%	2161122	8.31	8.43	1.4%	2161137	6.02	6.30	4.5%
Ga	2161097	15	15	0.0%	2161112	18	18	0.0%	2161122	19	19	0.0%	2161137	14	14	0.0%
In	2161097	< 1	< 1	0.0%	2161112	< 1	< 1	0.0%	2161122	< 1	< 1	0.0%	2161137	< 1	< 1	0.0%
K	2161097	0.57	0.55	3.6%	2161112	0.13	0.13	0.0%	2161122	0.09	0.09	0.0%	2161137	0.541	0.559	3.3%
La	2161097	2	2	0.0%	2161112	< 2	< 2	0.0%	2161122	12	12	0.0%	2161137	< 2	< 2	0.0%
Li	2161097	29	28	3.5%	2161112	28	28	0.0%	2161122	24	24	0.0%	2161137	27	28	3.6%
Mg	2161097	6.52	6.61	1.4%	2161112	4.78	4.77	0.2%	2161122	4.09	4.09	0.0%	2161137	5.85	5.98	2.2%
Mn	2161097	1310	1320	0.8%	2161112	1310	1310	0.0%	2161122	1260	1260	0.0%	2161137	1030	1050	1.9%
Mo	2161097	< 0.5	< 0.5	0.0%	2161112	< 0.5	< 0.5	0.0%	2161122	< 0.5	< 0.5	0.0%	2161137	< 0.5	< 0.5	0.0%
Na	2161097	1.23	1.21	1.6%	2161112	2.85	2.89	1.4%	2161122	1.91	1.93	1.0%	2161137	1.79	1.87	4.4%
Ni	2161097	280	289	3.2%	2161112	299	289	3.4%	2161122	67.9	64.7	4.8%	2161137	668	665	0.5%
P	2161097	119	122	2.5%	2161112	139	124	11.4%	2161122	621	624	0.5%	2161137	95	91	4.3%
Pb	2161097	< 1	< 1	0.0%	2161112	4	3	28.6%	2161122	7	5		2161137	5	4	22.2%
Rb	2161097	20	19	5.1%	2161112	< 10	< 10	0.0%	2161122	< 10	< 10	0.0%	2161137	20	20	0.0%
S	2161097	0.115	0.114	0.9%	2161112	0.135	0.134	0.7%	2161122	0.32	0.31	3.2%	2161137	0.354	0.366	3.3%
Sb	2161097	2	< 1		2161112	1	2		2161122	< 1	< 1	0.0%	2161137	2	3	
Sc	2161097	23	23	0.0%	2161112	22	21	4.7%	2161122	35	35	0.0%	2161137	25	24	4.1%
Se	2161097	< 10	< 10	0.0%	2161112	< 10	< 10	0.0%	2161122	< 10	< 10	0.0%	2161137	< 10	< 10	0.0%
Sn	2161097	< 5	< 5	0.0%	2161112	< 5	< 5	0.0%	2161122	< 5	< 5	0.0%	2161137	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2161097	160	157	1.9%	2161112	142	144	1.4%	2161122	154	158	2.6%	2161137	151	158	4.5%
Ta	2161097	< 10	< 10	0.0%	2161112	< 10	< 10	0.0%	2161122	< 10	< 10	0.0%	2161137	< 10	< 10	0.0%
Te	2161097	< 10	< 10	0.0%	2161112	< 10	< 10	0.0%	2161122	< 10	< 10	0.0%	2161137	< 10	< 10	0.0%
Th	2161097	< 5	< 5	0.0%	2161112	< 5	< 5	0.0%	2161122	< 5	< 5	0.0%	2161137	< 5	< 5	0.0%
Ti	2161097	0.14	0.14	0.0%	2161112	0.16	0.16	0.0%	2161122	0.66	0.67	1.5%	2161137	0.12	0.12	0.0%
Tl	2161097	< 5	< 5	0.0%	2161112	< 5	< 5	0.0%	2161122	< 5	< 5	0.0%	2161137	< 5	< 5	0.0%
U	2161097	9	11	20.0%	2161112	12	12	0.0%	2161122	11	11	0.0%	2161137	9	8	11.8%
V	2161097	104	104	0.0%	2161112	107	107	0.0%	2161122	300	297	1.0%	2161137	111	108	2.7%
W	2161097	< 1	< 1	0.0%	2161112	< 1	< 1	0.0%	2161122	< 1	< 1	0.0%	2161137	< 1	< 1	0.0%
Y	2161097	6	6	0.0%	2161112	6	6	0.0%	2161122	25	24	4.1%	2161137	5	5	0.0%
Zn	2161097	98.3	98.4	0.1%	2161112	124	124	0.0%	2161122	89.3	86.1	3.6%	2161137	99.4	102	2.6%
Zr	2161097	17	16	6.1%	2161112	20	19	5.1%	2161122	59	58	1.7%	2161137	15	15	0.0%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2161147	< 0.5	< 0.5	0.0%												
Al	2161147	11.9	11.9	0.0%												
As	2161147	< 1	< 1	0.0%												
Ba	2161147	287	300	4.4%												
Be	2161147	< 0.5	< 0.5	0.0%												
Bi	2161147	< 1	< 1	0.0%												
Ca	2161147	5.32	5.33	0.2%												
Cd	2161147	< 0.5	< 0.5	0.0%												
Ce	2161147	< 1	< 1	0.0%												
Co	2161147	34.2	34.8	1.7%												
Cr	2161147	138	114.9	18.3%												
Cu	2161147	312	328	5.0%												
Fe	2161147	4.46	4.47	0.2%												
Ga	2161147	18	18	0.0%												
In	2161147	< 1	< 1	0.0%												
K	2161147	0.932	0.955	2.4%												
La	2161147	< 2	< 2	0.0%												
Li	2161147	27	27	0.0%												
Mg	2161147	3.16	3.23	2.2%												
Mn	2161147	768	773	0.6%												

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ATTENTION TO: Garry Clark

Mo	2161147	< 0.5	< 0.5	0.0%												
Na	2161147	2.64	2.61	1.1%												
Ni	2161147	109	108	0.9%												
P	2161147	32	29	9.8%												
Pb	2161147	6	4													
Rb	2161147	30	32	6.5%												
S	2161147	0.12	0.12	0.0%												
Sb	2161147	< 1	< 1	0.0%												
Sc	2161147	11	11	0.0%												
Se	2161147	< 10	< 10	0.0%												
Sn	2161147	< 5	< 5	0.0%												
Sr	2161147	286	285	0.4%												
Ta	2161147	< 10	< 10	0.0%												
Te	2161147	< 10	< 10	0.0%												
Th	2161147	< 5	< 5	0.0%												
Ti	2161147	0.06	0.06	0.0%												
Tl	2161147	< 5	< 5	0.0%												
U	2161147	7	6	15.4%												
V	2161147	40.5	40.2	0.7%												
W	2161147	< 1	< 1	0.0%												
Y	2161147	1	1	0.0%												
Zn	2161147	77.0	79.2	2.8%												
Zr	2161147	< 5	< 5	0.0%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2161097	2	7		2161112	41	42	2.4%	2161122	9	12	28.6%	2161137	95	110	14.6%
Pd	2161097	8	8	0.0%	2161112	647	634	2.0%	2161122	18	19	5.4%	2161137	1760	1770	0.6%
Pt	2161097	< 5	11		2161112	253	263	3.9%	2161122	22	22	0.0%	2161137	786	813	3.4%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2161147	13	14	7.4%
Pd	2161147	60	50	18.2%
Pt	2161147	23	19	19.0%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.8	104%	90% - 110%	6.96	7.16	103%	90% - 110%	13.0	12.6	97%	90% - 110%	8.47	8.13	96%	90% - 110%
As	26	25	97%	90% - 110%	124	122	98%	90% - 110%					26	25	97%	90% - 110%
Ba	540	504	93%	90% - 110%	186	178	96%	90% - 110%	1305	1228	94%	90% - 110%	540	503	93%	90% - 110%
Be	4.0	3.5	87%	90% - 110%									4.0	3	74%	90% - 110%
Ca	0.907	0.922	102%	90% - 110%	4.01	3.83	96%	90% - 110%	1.42	1.33	94%	90% - 110%	0.907	0.821	91%	90% - 110%
Ce	98	99	101%	90% - 110%	24	22	91%	90% - 110%	58.24	61.05	105%	90% - 110%	98	103	105%	90% - 110%
Co	13	13	99%	90% - 110%	22.1	20.4	92%	90% - 110%					13	13	96%	90% - 110%
Cr	60.3	62.1	103%	90% - 110%									60.3	59.5	99%	90% - 110%
Cu	150	150	100%	90% - 110%	88.6	83.9	95%	90% - 110%					150	145	96%	90% - 110%
Fe	3.77	3.7	98%	90% - 110%	7.56	7.09	94%	90% - 110%	3.27	3.06	94%	90% - 110%	3.77	3.59	95%	90% - 110%
Ga									22.63	21.47	94%	90% - 110%				
K					2.021	2.21	109%	90% - 110%	3.69	3.98	108%	90% - 110%				
La	44	42	96%	90% - 110%					27.48	27.72	101%	90% - 110%	44	44	100%	90% - 110%
Li									64.95	68.14	105%	90% - 110%	47	48	102%	90% - 110%
Mg	1.10	1.13	103%	90% - 110%	2.412	2.334	97%	90% - 110%	0.223	0.223	100%	90% - 110%	1.10	1	91%	90% - 110%
Mn	780	756	97%	90% - 110%	1510	1410	93%	90% - 110%					780	715	92%	90% - 110%
Mo	14	13	91%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.717	106%	90% - 110%	0.617	0.636	103%	90% - 110%	7.24	6.91	95%	90% - 110%	1.624	1.665	103%	90% - 110%
Ni	32	34	107%	90% - 110%	77.1	74.7	97%	90% - 110%					32	32	101%	90% - 110%
P	750	778	104%	90% - 110%	892	903	101%	90% - 110%					750	692	92%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	141	98%	90% - 110%					85.36	91.14	107%	90% - 110%	143	136	95%	90% - 110%
S					0.348	0.365	105%	90% - 110%								
Sc	12	12	101%	90% - 110%					2.76	2.19	79%	90% - 110%	12	12	100%	90% - 110%
Sr	144	143	99%	90% - 110%	92.8	85	92%	90% - 110%	312	298	96%	90% - 110%	144	143	99%	90% - 110%
Th	18.4	18.6	101%	90% - 110%									18.4	19.6	106%	90% - 110%
Ti	0.53	0.49	93%	90% - 110%					0.222	0.225	101%	90% - 110%	0.53	0.49	92%	90% - 110%
V	77	80	104%	90% - 110%									77	78	101%	90% - 110%
W	5	5	98%	90% - 110%									5	5	93%	90% - 110%
Y									25.32	25.29	100%	90% - 110%				
Zn	130	126	97%	90% - 110%	208	211	101%	90% - 110%	75.42	75.29	100%	90% - 110%	130	118	90%	90% - 110%

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.GS4L)				CRM #2 (ref.GS1P5T)				CRM #3 (ref.GS4L)				CRM #4 (ref.GS1P5T)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	4010	4056	101%	90% - 110%	1750	1882	107%	90% - 110%	4010	4255	106%	90% - 110%	1750	1881	107%	90% - 110%

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AGAT Laboratories
5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
AGAT WORK ORDER: 21T716360
PROJECT: EAST BULL
ATTENTION TO: Garry Clark
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T716360

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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http://www.agatlabs.com

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark; Des Cullen

PROJECT:

AGAT WORK ORDER: 21T720309

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 15, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829101 (2199245)	2.44
E5829102 (2199246)	2.42
E5829103 (2199247)	2.33
E5829104 (2199248)	2.47
E5829105 (2199249)	2.43
E5829106 (2199250)	2.39
E5829107 (2199251)	2.34
E5829108 (2199252)	2.42
E5829109 (2199253)	2.48
E5829110 (2199254)	0.10
E5829111 (2199255)	2.40
E5829112 (2199256)	2.30
E5829113 (2199257)	2.41
E5829114 (2199258)	2.38
E5829115 (2199259)	2.50
E5829116 (2199260)	2.32
E5829117 (2199261)	2.39
E5829118 (2199262)	2.53
E5829119 (2199263)	2.34
E5829120 (2199264)	0.73
E5829121 (2199265)	2.34
E5829122 (2199266)	2.30
E5829123 (2199267)	2.14
E5829124 (2199268)	2.51
E5829125 (2199269)	2.36
E5829126 (2199270)	2.29
E5829127 (2199271)	2.38
E5829128 (2199272)	2.36
E5829129 (2199273)	1.05
E5829130 (2199274)	1.10
E5829131 (2199275)	2.41

Certified By:

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AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829132 (2199276)	2.46
E5829133 (2199277)	2.42
E5829134 (2199278)	2.57
E5829135 (2199279)	2.41
E5829136 (2199280)	2.36
E5829137 (2199281)	2.38
E5829138 (2199282)	2.38
E5829139 (2199283)	2.36
E5829140 (2199284)	0.10
E5829141 (2199285)	2.29
E5829142 (2199286)	2.41
E5829143 (2199287)	2.26
E5829144 (2199288)	2.36
E5829145 (2199289)	2.35
E5829146 (2199290)	2.15
E5829147 (2199291)	2.37
E5829148 (2199292)	2.29
E5829149 (2199293)	2.25
E5829150 (2199294)	0.74
E5829151 (2199295)	2.19
E5829152 (2199296)	2.37
E5829153 (2199297)	1.93
E5829154 (2199298)	2.43
E5829155 (2199299)	2.49
E5829156 (2199300)	2.30
E5829157 (2199301)	2.47
E5829158 (2199302)	2.47

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829101 (2199245)	<0.5	7.83	<1	198	0.9	<1	5.84	<0.5	21	44.7	67.5	82.8	8.38	20
E5829102 (2199246)	<0.5	7.39	<1	90	0.9	<1	5.54	<0.5	19	44.1	50.0	86.6	8.32	18
E5829103 (2199247)	<0.5	7.78	<1	97	0.9	<1	4.98	<0.5	19	47.1	50.0	547	8.68	17
E5829104 (2199248)	<0.5	7.53	<1	89	0.9	<1	6.30	<0.5	20	44.8	60.6	85.9	9.14	21
E5829105 (2199249)	<0.5	7.23	<1	83	0.9	<1	7.37	<0.5	18	38.7	65.8	116	8.95	20
E5829106 (2199250)	<0.5	7.79	<1	308	1.2	<1	6.09	<0.5	31	43.8	51.7	120	9.63	23
E5829107 (2199251)	<0.5	7.60	<1	162	1.1	<1	5.25	<0.5	28	44.4	56.3	140	8.89	19
E5829108 (2199252)	<0.5	7.55	<1	140	0.9	<1	5.33	<0.5	26	49.4	52.3	144	9.79	22
E5829109 (2199253)	<0.5	7.90	<1	231	1.1	<1	6.19	<0.5	30	48.3	49.0	166	10.4	22
E5829110 (2199254)	3.2	7.07	<1	277	0.9	<1	4.00	0.9	26	177	255	6880	14.6	10
E5829111 (2199255)	<0.5	7.99	<1	282	1.1	<1	5.55	<0.5	26	45.3	60.5	117	8.94	18
E5829112 (2199256)	<0.5	7.30	<1	89	1.0	<1	6.00	<0.5	24	44.3	51.9	57.9	9.50	19
E5829113 (2199257)	<0.5	7.34	<1	58	0.9	<1	7.45	<0.5	27	40.4	60.9	54.2	10.0	24
E5829114 (2199258)	<0.5	7.33	<1	82	0.9	<1	5.17	<0.5	27	43.1	60.8	104	8.40	19
E5829115 (2199259)	<0.5	7.92	<1	88	1.0	<1	5.19	<0.5	27	45.4	58.3	88.1	8.87	19
E5829116 (2199260)	<0.5	7.79	<1	103	1.0	<1	5.12	<0.5	25	48.2	56.9	80.7	9.15	19
E5829117 (2199261)	<0.5	7.75	<1	96	0.9	<1	5.22	<0.5	22	45.5	67.2	109	8.29	16
E5829118 (2199262)	<0.5	8.69	<1	177	1.1	<1	5.06	<0.5	23	50.8	61.6	168	8.64	20
E5829119 (2199263)	<0.5	8.22	<1	49	0.9	<1	9.41	<0.5	22	27.6	73.7	54.8	8.55	27
E5829120 (2199264)	<0.5	0.04	1	2330	<0.5	<1	18.6	<0.5	<1	<0.5	12.8	<0.5	0.07	<5
E5829121 (2199265)	<0.5	7.90	<1	54	0.9	<1	7.18	<0.5	20	37.1	92.0	30.1	8.15	19
E5829122 (2199266)	<0.5	8.90	<1	63	0.8	<1	4.01	<0.5	22	55.3	95.1	20.4	9.34	18
E5829123 (2199267)	<0.5	8.11	<1	57	0.8	<1	4.79	<0.5	20	46.9	78.3	41.2	7.88	16
E5829124 (2199268)	<0.5	8.45	<1	129	0.7	<1	5.95	<0.5	15	47.7	86.6	65.2	7.92	17
E5829125 (2199269)	<0.5	8.33	<1	150	0.7	<1	6.49	<0.5	13	47.2	116	127	7.40	17
E5829126 (2199270)	<0.5	7.58	<1	135	0.7	<1	5.87	<0.5	12	50.9	102	19.0	8.15	16
E5829127 (2199271)	<0.5	7.38	<1	94	0.6	<1	6.31	<0.5	13	55.6	76.4	22.9	8.66	18
E5829128 (2199272)	<0.5	8.66	<1	276	0.7	<1	7.41	<0.5	12	48.5	119	55.1	7.55	17
E5829129 (2199273)	<0.5	8.78	<1	303	0.7	<1	7.18	<0.5	11	44.3	117	41.4	7.17	16
E5829130 (2199274)	<0.5	8.28	<1	276	0.7	<1	7.00	<0.5	11	44.2	119	54.5	6.96	15
E5829131 (2199275)	<0.5	8.34	<1	186	0.7	<1	7.03	<0.5	15	43.2	101	69.9	7.31	17
E5829132 (2199276)	<0.5	7.74	<1	254	0.7	<1	6.35	<0.5	12	50.3	115	27.7	7.78	16

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829133 (2199277)	<0.5	7.99	<1	200	0.7	<1	6.47	<0.5	14	54.2	92.4	803	7.93	17
E5829134 (2199278)	<0.5	8.06	<1	181	0.7	<1	6.25	<0.5	12	59.7	125	205	8.15	16
E5829135 (2199279)	<0.5	8.01	<1	358	0.6	<1	7.11	<0.5	10	49.4	131	50.3	7.49	16
E5829136 (2199280)	<0.5	8.17	<1	232	0.7	<1	6.92	<0.5	11	43.8	111	73.0	7.03	17
E5829137 (2199281)	<0.5	8.16	<1	213	0.6	<1	6.70	<0.5	13	42.9	94.8	37.0	6.88	16
E5829138 (2199282)	<0.5	8.24	<1	178	0.6	<1	7.28	<0.5	11	46.0	122	80.9	7.24	17
E5829139 (2199283)	<0.5	8.66	<1	116	<0.5	<1	6.92	<0.5	6	58.3	118	69.4	7.54	17
E5829140 (2199284)	3.2	6.95	<1	271	0.9	<1	4.06	0.9	27	178	249	6740	14.3	11
E5829141 (2199285)	<0.5	9.35	<1	112	<0.5	<1	6.38	<0.5	6	44.6	107	26.0	5.89	15
E5829142 (2199286)	<0.5	13.1	<1	212	0.5	<1	7.23	<0.5	8	22.0	91.2	14.6	4.25	18
E5829143 (2199287)	<0.5	12.8	4	87	<0.5	<1	6.73	<0.5	10	21.5	64.4	<0.5	4.14	20
E5829144 (2199288)	<0.5	13.1	<1	185	<0.5	<1	6.80	<0.5	7	18.4	66.0	<0.5	4.16	19
E5829145 (2199289)	<0.5	13.2	<1	224	0.6	<1	8.12	<0.5	7	17.8	62.2	3.2	4.26	20
E5829146 (2199290)	<0.5	8.60	<1	166	0.9	<1	5.75	<0.5	12	47.0	84.9	73.7	7.54	20
E5829147 (2199291)	<0.5	7.81	<1	117	0.9	<1	7.57	<0.5	16	45.2	154	13.4	8.02	19
E5829148 (2199292)	<0.5	8.00	<1	143	0.8	<1	5.92	<0.5	26	37.0	110	54.9	7.08	18
E5829149 (2199293)	<0.5	8.16	<1	30	0.9	<1	6.34	<0.5	18	46.6	83.8	141	8.07	20
E5829150 (2199294)	<0.5	0.03	<1	790	<0.5	<1	19.3	<0.5	<1	<0.5	10.2	<0.5	0.03	<5
E5829151 (2199295)	<0.5	8.03	<1	29	0.8	<1	6.17	<0.5	13	48.7	115	64.8	8.18	18
E5829152 (2199296)	<0.5	7.70	<1	26	0.7	<1	6.15	<0.5	34	40.9	83.6	238	6.60	21
E5829153 (2199297)	<0.5	7.17	<1	55	0.8	<1	6.45	<0.5	35	38.2	98.1	177	7.74	21
E5829154 (2199298)	<0.5	8.15	<1	39	0.9	<1	6.55	<0.5	22	48.1	103	180	8.09	20
E5829155 (2199299)	<0.5	7.40	<1	40	1.1	<1	5.97	<0.5	34	49.0	66.0	220	8.72	21
E5829156 (2199300)	<0.5	7.48	<1	41	1.2	<1	5.47	<0.5	34	47.1	50.4	257	9.55	22
E5829157 (2199301)	<0.5	7.47	<1	89	1.3	<1	5.69	<0.5	33	43.1	47.9	156	9.87	23
E5829158 (2199302)	<0.5	7.62	<1	81	1.1	<1	6.09	<0.5	30	41.3	67.2	151	9.58	22

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829101 (2199245)	<1	0.51	8	19	3.79	1490	3.5	2.60	67.3	383	2	14	0.10	<1
E5829102 (2199246)	<1	0.25	7	13	3.64	1430	2.7	3.42	69.8	372	2	<10	0.10	<1
E5829103 (2199247)	<1	0.23	7	17	3.65	1450	2.3	3.51	69.1	334	2	<10	0.14	<1
E5829104 (2199248)	<1	0.24	8	16	3.54	1480	3.5	2.86	71.7	380	1	<10	0.10	<1
E5829105 (2199249)	<1	0.23	7	13	3.14	1470	3.1	2.06	62.2	349	2	<10	0.12	<1
E5829106 (2199250)	<1	0.59	13	22	3.20	1490	1.7	2.28	58.4	573	2	15	0.11	<1
E5829107 (2199251)	<1	0.39	11	19	3.34	1380	1.7	2.95	59.1	502	<1	<10	0.12	<1
E5829108 (2199252)	<1	0.36	11	21	3.87	1490	1.5	2.65	64.0	473	3	<10	0.11	<1
E5829109 (2199253)	<1	0.43	13	21	3.98	1620	1.7	2.41	64.3	504	2	10	0.12	<1
E5829110 (2199254)	<1	0.68	10	13	4.09	1160	3.2	1.97	9770	635	46	14	2.66	<1
E5829111 (2199255)	<1	0.49	10	20	3.55	1510	1.7	2.73	65.5	491	<1	11	0.12	<1
E5829112 (2199256)	<1	0.21	9	15	3.86	1480	1.9	3.18	60.5	463	2	<10	0.10	<1
E5829113 (2199257)	<1	0.17	12	14	3.61	1460	2.9	2.09	55.9	437	<1	<10	0.12	<1
E5829114 (2199258)	<1	0.23	11	15	3.59	1370	2.1	3.00	59.5	546	2	<10	0.10	<1
E5829115 (2199259)	<1	0.21	11	16	3.81	1460	1.5	3.42	65.1	513	1	<10	0.11	<1
E5829116 (2199260)	<1	0.26	10	19	4.14	1520	1.5	3.09	74.1	477	<1	<10	0.08	<1
E5829117 (2199261)	<1	0.22	9	16	4.14	1410	2.1	3.58	68.3	435	<1	<10	0.09	<1
E5829118 (2199262)	<1	0.42	9	19	4.17	1470	1.7	3.27	74.6	415	<1	13	0.10	<1
E5829119 (2199263)	<1	0.17	9	6	2.80	1230	3.8	1.59	47.3	398	3	<10	0.15	<1
E5829120 (2199264)	4	0.01	4	10	13.1	470	1.7	0.03	0.7	31	3	<10	0.31	<1
E5829121 (2199265)	<1	0.16	8	12	3.49	1330	2.6	2.49	85.5	408	2	<10	0.11	<1
E5829122 (2199266)	<1	0.21	8	31	4.88	1510	0.7	3.51	109	484	<1	<10	0.06	<1
E5829123 (2199267)	<1	0.21	8	24	4.48	1390	1.1	3.52	99.5	404	<1	<10	0.07	<1
E5829124 (2199268)	<1	0.41	6	21	4.76	1560	1.3	2.83	94.7	289	<1	17	0.09	<1
E5829125 (2199269)	<1	0.58	5	20	4.81	1530	1.4	2.50	94.6	259	2	21	0.11	<1
E5829126 (2199270)	<1	0.51	5	21	5.23	1580	1.0	2.58	102	232	<1	18	0.08	<1
E5829127 (2199271)	<1	0.35	5	20	5.39	1570	1.1	2.15	154	234	2	13	0.10	<1
E5829128 (2199272)	<1	0.84	5	17	4.91	1490	1.9	1.83	107	242	<1	25	0.11	<1
E5829129 (2199273)	<1	1.13	5	20	4.72	1400	2.2	2.00	96.9	233	<1	43	0.11	<1
E5829130 (2199274)	<1	1.05	5	19	4.56	1350	1.9	1.89	99.9	217	<1	43	0.11	<1
E5829131 (2199275)	<1	0.79	6	20	4.19	1350	2.8	1.79	89.3	302	1	32	0.11	<1
E5829132 (2199276)	<1	0.98	5	22	5.20	1510	1.3	1.68	123	235	<1	38	0.09	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829133 (2199277)	<1	0.83	5	30	4.89	1430	0.6	2.06	144	256	5	32	0.19	<1
E5829134 (2199278)	<1	0.86	5	31	5.25	1500	0.7	2.13	169	245	1	34	0.21	<1
E5829135 (2199279)	<1	1.20	4	21	4.93	1450	1.2	1.74	117	194	2	51	0.10	<1
E5829136 (2199280)	<1	0.89	4	19	4.45	1360	1.2	1.92	98.7	208	2	35	0.11	<1
E5829137 (2199281)	<1	0.92	5	19	4.47	1350	1.2	1.98	92.2	240	<1	39	0.10	<1
E5829138 (2199282)	<1	0.59	4	16	4.68	1390	2.1	1.68	105	214	<1	21	0.11	<1
E5829139 (2199283)	<1	0.43	3	22	5.29	1390	2.7	1.62	164	140	<1	13	0.11	<1
E5829140 (2199284)	<1	0.65	10	12	3.97	1150	3.1	1.93	9510	629	46	14	2.59	<1
E5829141 (2199285)	<1	0.47	3	22	4.30	1060	1.6	1.83	118	130	<1	16	0.09	<1
E5829142 (2199286)	<1	0.71	4	18	2.03	747	3.5	3.49	45.8	165	<1	27	0.10	<1
E5829143 (2199287)	<1	0.18	5	16	1.44	631	4.3	4.02	39.2	212	<1	<10	0.09	<1
E5829144 (2199288)	<1	0.40	3	18	1.46	617	5.3	4.02	36.6	145	<1	15	0.09	<1
E5829145 (2199289)	<1	0.72	4	22	1.70	729	4.3	3.19	48.3	150	<1	30	0.11	<1
E5829146 (2199290)	<1	0.95	5	53	5.02	1260	<0.5	1.51	138	258	<1	28	0.13	<1
E5829147 (2199291)	<1	0.63	6	27	4.84	1440	1.8	1.53	98.9	255	2	16	0.11	<1
E5829148 (2199292)	<1	0.61	11	26	3.92	1200	2.5	1.99	74.6	464	<1	15	0.10	<1
E5829149 (2199293)	<1	0.17	7	23	4.18	1410	2.2	2.05	97.0	321	<1	<10	0.13	<1
E5829150 (2199294)	2	0.02	3	13	13.2	410	<0.5	0.04	<0.5	26	2	<10	0.28	<1
E5829151 (2199295)	<1	0.30	5	29	4.75	1460	1.1	2.10	99.8	215	1	<10	0.11	<1
E5829152 (2199296)	<1	0.27	14	23	3.18	996	3.2	2.18	63.8	762	<1	<10	0.20	<1
E5829153 (2199297)	<1	0.33	15	26	3.92	1300	2.6	1.75	63.4	1060	<1	<10	0.11	<1
E5829154 (2199298)	<1	0.16	9	16	3.88	1320	2.1	2.78	80.3	484	<1	<10	0.18	<1
E5829155 (2199299)	<1	0.14	14	13	3.12	1360	2.9	2.60	44.6	730	<1	<10	0.25	<1
E5829156 (2199300)	<1	0.16	14	9	2.91	1480	1.9	3.24	44.6	680	<1	<10	0.24	<1
E5829157 (2199301)	<1	0.27	13	10	2.85	1560	1.5	3.22	46.9	699	1	<10	0.21	<1
E5829158 (2199302)	<1	0.26	12	9	2.98	1530	1.4	3.37	45.2	605	<1	<10	0.20	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829101 (2199245)	38	<10	<5	210	<10	<10	<5	0.42	<5	10	256	<1	16	91.7
E5829102 (2199246)	39	<10	<5	153	<10	<10	<5	0.45	<5	10	260	<1	16	86.8
E5829103 (2199247)	39	<10	<5	169	<10	<10	<5	0.40	<5	10	267	<1	15	112
E5829104 (2199248)	38	<10	<5	283	<10	<10	<5	0.54	<5	10	352	<1	15	92.5
E5829105 (2199249)	37	<10	<5	1060	<10	<10	<5	0.54	<5	11	359	<1	15	75.8
E5829106 (2199250)	40	<10	<5	236	<10	<10	<5	0.60	<5	11	327	<1	23	84.3
E5829107 (2199251)	37	<10	<5	183	<10	<10	<5	0.55	<5	11	281	<1	20	84.4
E5829108 (2199252)	36	<10	<5	142	<10	<10	<5	0.50	<5	11	283	<1	19	94.8
E5829109 (2199253)	36	<10	<5	181	<10	<10	<5	0.57	<5	12	281	<1	21	103
E5829110 (2199254)	11	<10	<5	282	<10	<10	<5	0.60	<5	16	113	2	11	115
E5829111 (2199255)	38	<10	<5	186	<10	<10	<5	0.53	<5	11	271	<1	19	89.5
E5829112 (2199256)	36	<10	<5	114	<10	<10	<5	0.58	<5	11	273	<1	18	91.7
E5829113 (2199257)	32	<10	<5	175	<10	<10	<5	0.45	<5	12	262	<1	19	83.5
E5829114 (2199258)	36	<10	<5	122	<10	<10	<5	0.46	<5	10	240	<1	19	85.5
E5829115 (2199259)	37	<10	<5	129	<10	<10	<5	0.50	<5	9	248	<1	20	90.5
E5829116 (2199260)	38	<10	<5	131	<10	<10	<5	0.51	<5	11	253	<1	18	95.8
E5829117 (2199261)	39	<10	<5	114	<10	<10	<5	0.49	<5	10	250	<1	17	94.7
E5829118 (2199262)	40	<10	<5	171	<10	<10	<5	0.50	<5	11	282	<1	17	90.0
E5829119 (2199263)	30	<10	<5	599	<10	<10	<5	0.41	<5	12	259	<1	19	53.0
E5829120 (2199264)	<1	<10	<5	127	<10	<10	<5	<0.01	<5	5	1.3	<1	<1	30.8
E5829121 (2199265)	38	<10	<5	537	<10	<10	<5	0.48	<5	10	278	<1	15	70.3
E5829122 (2199266)	40	<10	<5	91	<10	<10	<5	0.56	<5	11	255	<1	16	105
E5829123 (2199267)	41	<10	<5	113	<10	<10	<5	0.40	<5	10	233	<1	14	89.0
E5829124 (2199268)	37	<10	<5	161	<10	<10	<5	0.30	<5	10	196	<1	12	104
E5829125 (2199269)	38	<10	<5	178	<10	<10	<5	0.28	<5	9	196	<1	12	103
E5829126 (2199270)	39	<10	<5	132	<10	<10	<5	0.26	<5	9	196	<1	11	105
E5829127 (2199271)	34	<10	<5	133	<10	<10	<5	0.30	<5	11	192	<1	11	110
E5829128 (2199272)	40	<10	<5	214	<10	<10	<5	0.30	<5	9	198	<1	11	86.3
E5829129 (2199273)	37	<10	<5	215	<10	<10	<5	0.26	<5	8	184	<1	11	96.1
E5829130 (2199274)	38	<10	<5	204	<10	<10	<5	0.27	<5	9	197	<1	11	109
E5829131 (2199275)	34	<10	<5	213	<10	<10	<5	0.34	<5	9	213	<1	12	108
E5829132 (2199276)	38	<10	<5	154	<10	<10	<5	0.27	<5	9	189	<1	11	85.5

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829133 (2199277)	36	<10	<5	158	<10	<10	<5	0.30	<5	10	200	<1	12	110
E5829134 (2199278)	37	<10	<5	148	<10	<10	<5	0.30	<5	10	199	<1	11	86.8
E5829135 (2199279)	42	<10	<5	189	<10	<10	<5	0.25	<5	10	209	<1	11	94.7
E5829136 (2199280)	37	<10	<5	204	<10	<10	<5	0.27	<5	8	196	<1	11	77.8
E5829137 (2199281)	37	<10	<5	190	<10	<10	<5	0.29	<5	10	198	<1	12	60.7
E5829138 (2199282)	36	<10	<5	194	<10	<10	<5	0.28	<5	9	196	<1	10	65.6
E5829139 (2199283)	30	<10	<5	184	<10	<10	<5	0.19	<5	10	143	<1	7	85.0
E5829140 (2199284)	11	<10	<5	276	<10	<10	<5	0.60	<5	16	114	2	11	116
E5829141 (2199285)	22	<10	<5	214	<10	<10	<5	0.15	<5	9	107	<1	6	64.5
E5829142 (2199286)	16	<10	<5	414	<10	<10	<5	0.19	<5	8	107	<1	7	39.8
E5829143 (2199287)	15	<10	<5	307	<10	<10	<5	0.25	<5	7	115	<1	8	30.8
E5829144 (2199288)	12	<10	<5	333	<10	<10	<5	0.15	<5	7	89.4	<1	6	32.2
E5829145 (2199289)	12	<10	<5	437	<10	<10	<5	0.15	<5	9	94.6	<1	6	28.3
E5829146 (2199290)	29	<10	<5	162	<10	<10	<5	0.28	<5	10	191	<1	12	70.2
E5829147 (2199291)	46	<10	<5	200	<10	<10	<5	0.37	<5	11	327	<1	15	70.4
E5829148 (2199292)	33	<10	<5	182	<10	<10	<5	0.38	<5	10	238	<1	19	65.1
E5829149 (2199293)	36	<10	<5	186	<10	<10	<5	0.45	<5	10	342	<1	15	72.7
E5829150 (2199294)	<1	<10	<5	125	<10	<10	<5	<0.01	<5	<5	0.6	<1	<1	9.8
E5829151 (2199295)	40	<10	<5	151	<10	<10	<5	0.33	<5	11	265	<1	13	79.2
E5829152 (2199296)	32	<10	<5	178	<10	<10	<5	0.56	<5	9	189	<1	28	48.8
E5829153 (2199297)	37	<10	<5	171	<10	<10	<5	0.66	<5	10	209	<1	28	64.2
E5829154 (2199298)	39	<10	<5	181	<10	<10	<5	0.50	<5	12	292	<1	20	70.6
E5829155 (2199299)	37	<10	<5	162	<10	<10	<5	0.74	<5	12	317	<1	27	68.4
E5829156 (2199300)	37	<10	<5	134	<10	<10	<5	0.73	<5	12	324	<1	27	76.2
E5829157 (2199301)	38	<10	<5	125	<10	<10	<5	0.76	<5	12	336	<1	28	79.1
E5829158 (2199302)	38	<10	<5	153	<10	<10	<5	0.72	<5	12	309	<1	25	78.9

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829101 (2199245)	48
E5829102 (2199246)	51
E5829103 (2199247)	46
E5829104 (2199248)	51
E5829105 (2199249)	50
E5829106 (2199250)	74
E5829107 (2199251)	72
E5829108 (2199252)	74
E5829109 (2199253)	66
E5829110 (2199254)	53
E5829111 (2199255)	73
E5829112 (2199256)	63
E5829113 (2199257)	54
E5829114 (2199258)	71
E5829115 (2199259)	83
E5829116 (2199260)	59
E5829117 (2199261)	60
E5829118 (2199262)	60
E5829119 (2199263)	47
E5829120 (2199264)	<5
E5829121 (2199265)	48
E5829122 (2199266)	64
E5829123 (2199267)	49
E5829124 (2199268)	34
E5829125 (2199269)	36
E5829126 (2199270)	32
E5829127 (2199271)	33
E5829128 (2199272)	30
E5829129 (2199273)	30
E5829130 (2199274)	26
E5829131 (2199275)	38
E5829132 (2199276)	29

Certified By:

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829133 (2199277)	38
E5829134 (2199278)	33
E5829135 (2199279)	26
E5829136 (2199280)	27
E5829137 (2199281)	29
E5829138 (2199282)	27
E5829139 (2199283)	18
E5829140 (2199284)	54
E5829141 (2199285)	13
E5829142 (2199286)	18
E5829143 (2199287)	15
E5829144 (2199288)	14
E5829145 (2199289)	16
E5829146 (2199290)	24
E5829147 (2199291)	28
E5829148 (2199292)	53
E5829149 (2199293)	39
E5829150 (2199294)	<5
E5829151 (2199295)	29
E5829152 (2199296)	69
E5829153 (2199297)	71
E5829154 (2199298)	44
E5829155 (2199299)	87
E5829156 (2199300)	96
E5829157 (2199301)	98
E5829158 (2199302)	92

Comments: RDL - Reported Detection Limit
2199245-2199302 As, Sb values may be low due to digestion losses.
Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829101 (2199245)	5	16	14
E5829102 (2199246)	5	20	13
E5829103 (2199247)	4	26	14
E5829104 (2199248)	5	40	47
E5829105 (2199249)	13	36	36
E5829106 (2199250)	4	20	19
E5829107 (2199251)	17	15	19
E5829108 (2199252)	3	17	11
E5829109 (2199253)	5	43	14
E5829110 (2199254)	159	1320	677
E5829111 (2199255)	4	14	15
E5829112 (2199256)	3	13	14
E5829113 (2199257)	3	11	10
E5829114 (2199258)	4	10	6
E5829115 (2199259)	3	14	12
E5829116 (2199260)	8	17	10
E5829117 (2199261)	3	22	11
E5829118 (2199262)	5	21	15
E5829119 (2199263)	19	19	27
E5829120 (2199264)	<1	<1	<5
E5829121 (2199265)	6	14	15
E5829122 (2199266)	2	6	9
E5829123 (2199267)	2	9	10
E5829124 (2199268)	2	9	7
E5829125 (2199269)	3	12	8
E5829126 (2199270)	2	17	<5
E5829127 (2199271)	3	17	8
E5829128 (2199272)	3	8	6
E5829129 (2199273)	2	11	<5
E5829130 (2199274)	2	11	7
E5829131 (2199275)	3	17	10
E5829132 (2199276)	4	44	6

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AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829133 (2199277)	8	26	9
E5829134 (2199278)	26	20	8
E5829135 (2199279)	3	23	27
E5829136 (2199280)	3	53	44
E5829137 (2199281)	4	41	42
E5829138 (2199282)	8	14	22
E5829139 (2199283)	4	11	<5
E5829140 (2199284)	146	1370	734
E5829141 (2199285)	3	19	<5
E5829142 (2199286)	2	17	13
E5829143 (2199287)	3	21	15
E5829144 (2199288)	3	16	<5
E5829145 (2199289)	1	11	8
E5829146 (2199290)	4	21	15
E5829147 (2199291)	3	7	10
E5829148 (2199292)	9	5	<5
E5829149 (2199293)	8	9	8
E5829150 (2199294)	2	<1	<5
E5829151 (2199295)	4	8	7
E5829152 (2199296)	3	3	<5
E5829153 (2199297)	3	6	5
E5829154 (2199298)	15	18	22
E5829155 (2199299)	11	19	18
E5829156 (2199300)	10	20	20
E5829157 (2199301)	4	21	23
E5829158 (2199302)	3	21	19

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829101 (2199245)	76.27
E5829111 (2199255)	76.92
E5829131 (2199275)	76.65
E5829141 (2199285)	78.22
E5829151 (2199295)	77.13

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829101 (2199245)	85.58
E5829138 (2199282)	89.13

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2199245	< 0.5	< 0.5	0.0%	2199260	< 0.5	< 0.5	0.0%	2199270	< 0.5	< 0.5	0.0%	2199285	< 0.5	< 0.5	0.0%
Al	2199245	7.83	7.84	0.1%	2199260	7.79	7.64	1.9%	2199270	7.58	7.50	1.1%	2199285	9.35	10.1	7.7%
As	2199245	< 1	< 1	0.0%	2199260	< 1	< 1	0.0%	2199270	< 1	< 1	0.0%	2199285	< 1	< 1	0.0%
Ba	2199245	198	197	0.5%	2199260	103	101	2.0%	2199270	135	133	1.5%	2199285	112	119	6.1%
Be	2199245	0.9	0.9	0.0%	2199260	1.0	1.0	0.0%	2199270	0.67	0.64	4.6%	2199285	< 0.5	< 0.5	0.0%
Bi	2199245	< 1	< 1	0.0%	2199260	< 1	< 1	0.0%	2199270	< 1	< 1	0.0%	2199285	< 1	< 1	0.0%
Ca	2199245	5.84	5.87	0.5%	2199260	5.12	4.98	2.8%	2199270	5.87	5.84	0.5%	2199285	6.38	6.74	5.5%
Cd	2199245	< 0.5	< 0.5	0.0%	2199260	< 0.5	< 0.5	0.0%	2199270	< 0.5	< 0.5	0.0%	2199285	< 0.5	< 0.5	0.0%
Ce	2199245	21	20	4.9%	2199260	25	24	4.1%	2199270	12	13	8.0%	2199285	6	7	15.4%
Co	2199245	44.7	44.1	1.4%	2199260	48.2	48.1	0.2%	2199270	50.9	50.3	1.2%	2199285	44.6	48.0	7.3%
Cr	2199245	67.5	59.3	12.9%	2199260	56.9	51.9	9.2%	2199270	102	97.5	4.5%	2199285	107	114	6.3%
Cu	2199245	82.8	83.3	0.6%	2199260	80.7	78.7	2.5%	2199270	19.0	21.0	10.0%	2199285	26.0	24.6	5.5%
Fe	2199245	8.38	8.41	0.4%	2199260	9.15	8.84	3.4%	2199270	8.15	8.05	1.2%	2199285	5.89	6.26	6.1%
Ga	2199245	20	19	5.1%	2199260	19	19	0.0%	2199270	16	15	6.5%	2199285	15	16	6.5%
In	2199245	< 1	< 1	0.0%	2199260	< 1	< 1	0.0%	2199270	< 1	< 1	0.0%	2199285	< 1	< 1	0.0%
K	2199245	0.51	0.51	0.0%	2199260	0.260	0.255	1.9%	2199270	0.51	0.51	0.0%	2199285	0.472	0.509	7.5%
La	2199245	8	8	0.0%	2199260	10	10	0.0%	2199270	5	5	0.0%	2199285	3	3	0.0%
Li	2199245	19	19	0.0%	2199260	19	19	0.0%	2199270	21	21	0.0%	2199285	22	24	8.7%
Mg	2199245	3.79	3.77	0.5%	2199260	4.14	4.01	3.2%	2199270	5.23	5.19	0.8%	2199285	4.30	4.64	7.6%
Mn	2199245	1490	1480	0.7%	2199260	1520	1480	2.7%	2199270	1580	1560	1.3%	2199285	1060	1150	8.1%
Mo	2199245	3.5	2.8	22.2%	2199260	1.54	1.44	6.7%	2199270	1.0	0.7		2199285	1.6	1.6	0.0%
Na	2199245	2.60	2.62	0.8%	2199260	3.09	3.01	2.6%	2199270	2.58	2.53	2.0%	2199285	1.83	1.95	6.3%
Ni	2199245	67.3	66.8	0.7%	2199260	74.1	68.2	8.3%	2199270	102	102	0.0%	2199285	118	126	6.6%
P	2199245	383	372	2.9%	2199260	477	476	0.2%	2199270	232	239	3.0%	2199285	130	135	3.8%
Pb	2199245	2	2	0.0%	2199260	< 1	< 1	0.0%	2199270	< 1	1		2199285	< 1	< 1	0.0%
Rb	2199245	14	14	0.0%	2199260	< 10	< 10	0.0%	2199270	18	18	0.0%	2199285	16	17	6.1%
S	2199245	0.10	0.10	0.0%	2199260	0.08	0.08	0.0%	2199270	0.08	0.08	0.0%	2199285	0.092	0.097	5.3%
Sb	2199245	< 1	< 1	0.0%	2199260	< 1	< 1	0.0%	2199270	< 1	< 1	0.0%	2199285	< 1	< 1	0.0%
Sc	2199245	38	38	0.0%	2199260	38	38	0.0%	2199270	39	39	0.0%	2199285	22	25	12.8%
Se	2199245	< 10	< 10	0.0%	2199260	< 10	< 10	0.0%	2199270	< 10	< 10	0.0%	2199285	< 10	< 10	0.0%
Sn	2199245	< 5	< 5	0.0%	2199260	< 5	< 5	0.0%	2199270	< 5	< 5	0.0%	2199285	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

Sr	2199245	210	212	0.9%	2199260	131	127	3.1%	2199270	132	131	0.8%	2199285	214	228	6.3%
Ta	2199245	< 10	< 10	0.0%	2199260	< 10	< 10	0.0%	2199270	< 10	< 10	0.0%	2199285	< 10	< 10	0.0%
Te	2199245	< 10	< 10	0.0%	2199260	< 10	< 10	0.0%	2199270	< 10	< 10	0.0%	2199285	< 10	< 10	0.0%
Th	2199245	< 5	< 5	0.0%	2199260	< 5	< 5	0.0%	2199270	< 5	< 5	0.0%	2199285	< 5	< 5	0.0%
Ti	2199245	0.42	0.42	0.0%	2199260	0.51	0.50	2.0%	2199270	0.261	0.254	2.7%	2199285	0.15	0.16	6.5%
Tl	2199245	< 5	< 5	0.0%	2199260	< 5	< 5	0.0%	2199270	< 5	< 5	0.0%	2199285	< 5	< 5	0.0%
U	2199245	10	10	0.0%	2199260	11	11	0.0%	2199270	9	10	10.5%	2199285	9	10	10.5%
V	2199245	256	256	0.0%	2199260	253	253	0.0%	2199270	196	198	1.0%	2199285	107	118	9.8%
W	2199245	< 1	< 1	0.0%	2199260	< 1	< 1	0.0%	2199270	< 1	< 1	0.0%	2199285	< 1	< 1	0.0%
Y	2199245	16	16	0.0%	2199260	18	18	0.0%	2199270	11	11	0.0%	2199285	6	6	0.0%
Zn	2199245	91.7	93.0	1.4%	2199260	95.8	92.2	3.8%	2199270	105	109	3.7%	2199285	64.5	67.2	4.1%
Zr	2199245	48	54	11.8%	2199260	59	58	1.7%	2199270	32	35	9.0%	2199285	13	16	20.7%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2199295	< 0.5	< 0.5	0.0%												
Al	2199295	8.03	7.91	1.5%												
As	2199295	< 1	< 1	0.0%												
Ba	2199295	29	28	3.5%												
Be	2199295	0.8	0.8	0.0%												
Bi	2199295	< 1	< 1	0.0%												
Ca	2199295	6.17	6.12	0.8%												
Cd	2199295	< 0.5	< 0.5	0.0%												
Ce	2199295	13	13	0.0%												
Co	2199295	48.7	49.2	1.0%												
Cr	2199295	115	124	7.5%												
Cu	2199295	64.8	78.7	19.4%												
Fe	2199295	8.18	8.12	0.7%												
Ga	2199295	18	19	5.4%												
In	2199295	< 1	< 1	0.0%												
K	2199295	0.30	0.30	0.0%												
La	2199295	5	5	0.0%												
Li	2199295	29	29	0.0%												
Mg	2199295	4.75	4.77	0.4%												
Mn	2199295	1460	1450	0.7%												

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

Mo	2199295	1.10	0.92	17.8%												
Na	2199295	2.10	2.05	2.4%												
Ni	2199295	99.8	101	1.2%												
P	2199295	215	210	2.4%												
Pb	2199295	1	1	0.0%												
Rb	2199295	< 10	< 10	0.0%												
S	2199295	0.11	0.11	0.0%												
Sb	2199295	< 1	< 1	0.0%												
Sc	2199295	40	40	0.0%												
Se	2199295	< 10	< 10	0.0%												
Sn	2199295	< 5	< 5	0.0%												
Sr	2199295	151	148	2.0%												
Ta	2199295	< 10	< 10	0.0%												
Te	2199295	< 10	< 10	0.0%												
Th	2199295	< 5	< 5	0.0%												
Ti	2199295	0.33	0.34	3.0%												
Tl	2199295	< 5	< 5	0.0%												
U	2199295	11	11	0.0%												
V	2199295	265	271	2.2%												
W	2199295	< 1	< 1	0.0%												
Y	2199295	13	14	7.4%												
Zn	2199295	79.2	77.6	2.0%												
Zr	2199295	29	29	0.0%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2199245	5	4	22.2%	2199260	8	3		2199270	2	3		2199285	3	2	
Pd	2199245	16	16	0.0%	2199260	17	17	0.0%	2199270	17	18	5.7%	2199285	19	18	5.4%
Pt	2199245	14	15	6.9%	2199260	10	14		2199270	< 5	< 5	0.0%	2199285	< 5	< 5	0.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2199295	4	3	28.6%
Pd	2199295	8	9	11.8%
Pt	2199295	7	9	25.0%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.3	98%	90% - 110%	6.96	7.16	103%	90% - 110%	13.0	13.6	104%	90% - 110%	8.47	8.79	104%	90% - 110%
As	26	24	92%	90% - 110%	124	127	103%	90% - 110%					26	24	93%	90% - 110%
Ba	540	519	96%	90% - 110%	186	184	99%	90% - 110%	1305	1309	100%	90% - 110%	540	519	96%	90% - 110%
Be	4.0	3.3	83%	90% - 110%									4.0	3.4	85%	90% - 110%
Ca	0.907	0.858	95%	90% - 110%	4.01	3.87	96%	90% - 110%	1.42	1.43	100%	90% - 110%	0.907	0.914	101%	90% - 110%
Ce	98	102	104%	90% - 110%	24	22	92%	90% - 110%	58.24	60.42	104%	90% - 110%	98	101	103%	90% - 110%
Co	13	13	98%	90% - 110%	22.1	20.1	91%	90% - 110%					13	13	100%	90% - 110%
Cr	60.3	65.9	109%	90% - 110%									60.3	64.5	107%	90% - 110%
Cu	150	146	97%	90% - 110%	88.6	82.2	93%	90% - 110%					150	152	101%	90% - 110%
Fe	3.77	3.83	101%	90% - 110%	7.56	7.61	101%	90% - 110%	3.27	3.25	99%	90% - 110%	3.77	3.68	98%	90% - 110%
Ga									22.63	21.19	93%	90% - 110%				
K					2.021	2.154	107%	90% - 110%	3.69	4.02	109%	90% - 110%				
La	44	43	99%	90% - 110%					27.48	28.03	102%	90% - 110%	44	43	98%	90% - 110%
Li	47	48	101%	90% - 110%					64.95	70.8	109%	90% - 110%	47	48	102%	90% - 110%
Mg	1.10	1.06	97%	90% - 110%	2.412	2.44	101%	90% - 110%	0.223	0.242	108%	90% - 110%	1.10	1.11	101%	90% - 110%
Mn	780	760	97%	90% - 110%	1510	1514	100%	90% - 110%					780	768	99%	90% - 110%
Mo	14	13	95%	90% - 110%									14	14	99%	90% - 110%
Na	1.624	1.754	108%	90% - 110%	0.617	0.664	108%	90% - 110%	7.24	7.57	105%	90% - 110%	1.624	1.768	109%	90% - 110%
Ni	32	33	102%	90% - 110%	77.1	76.9	100%	90% - 110%					32	33	103%	90% - 110%
P	750	757	101%	90% - 110%	892	953	107%	90% - 110%					750	790	105%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	130	90%	90% - 110%					85.36	90.29	106%	90% - 110%	143	139	97%	90% - 110%
S					0.348	0.379	109%	90% - 110%								
Sc	12	12	101%	90% - 110%					2.76	2.24	81%	90% - 110%	12	12	101%	90% - 110%
Sr	144	144	100%	90% - 110%	92.8	86.5	93%	90% - 110%	312	309	99%	90% - 110%	144	146	101%	90% - 110%
Th	18.4	19.1	104%	90% - 110%									18.4	19	103%	90% - 110%
Ti	0.53	0.49	92%	90% - 110%					0.222	0.232	105%	90% - 110%	0.53	0.49	93%	90% - 110%
V	77	80	104%	90% - 110%									77	80	104%	90% - 110%
W	5	5	102%	90% - 110%									5	5	96%	90% - 110%
Y									25.32	25.51	101%	90% - 110%				
Zn	130	121	93%	90% - 110%	208	208	100%	90% - 110%	75.42	79.01	105%	90% - 110%	130	122	94%	90% - 110%

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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FAX (905)501-0589
http://www.agatlabs.com

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T720309

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark; Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	2042	107%	90% - 110%	1897	1907	100%	90% - 110%	1897	2022	107%	90% - 110%	1897	1764	92%	90% - 110%
Pd	1660	1754	105%	90% - 110%	1660	1684	101%	90% - 110%	1660	1693	102%	90% - 110%	1660	1521	91%	90% - 110%
Pt	223	242	109%	90% - 110%	223	243	108%	90% - 110%	223	214	96%	90% - 110%	223	212	95%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T720309

PROJECT:

ATTENTION TO: Garry Clark; Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T720309

PROJECT:

ATTENTION TO: Garry Clark; Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T720327

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Apr 27, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829159 (2199453)	1.12
E5829160 (2199454)	0.99
E5829161 (2199455)	2.21
E5829162 (2199456)	2.46
E5829163 (2199457)	2.37
E5829164 (2199458)	2.62
E5829165 (2199459)	2.33
E5829166 (2199460)	2.31
E5829167 (2199461)	2.32
E5829168 (2199462)	2.35
E5829169 (2199463)	2.51
E5829170 (2199464)	0.10
E5829171 (2199465)	2.36
E5829172 (2199466)	2.38
E5829173 (2199467)	2.40
E5829174 (2199468)	2.43
E5829175 (2199469)	2.36
E5829176 (2199470)	2.52
E5829177 (2199471)	2.45
E5829178 (2199472)	2.33
E5829179 (2199473)	2.30
E5829180 (2199474)	0.94
E5829181 (2199475)	2.12
E5829182 (2199476)	2.39
E5829183 (2199477)	2.41
E5829184 (2199478)	2.20
E5829185 (2199479)	2.39
E5829186 (2199480)	2.55
E5829187 (2199481)	2.51
E5829188 (2199482)	2.40
E5829189 (2199483)	2.49

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829190 (2199484)	2.54
E5829191 (2199485)	2.37
E5829192 (2199486)	2.36
E5829193 (2199487)	1.20
E5829194 (2199488)	1.17
E5829195 (2199489)	2.35
E5829196 (2199490)	2.40
E5829197 (2199491)	2.32
E5829198 (2199492)	2.31
E5829199 (2199493)	2.24
E5829200 (2199494)	0.10
E5829201 (2199495)	2.32
E5829202 (2199496)	2.41
E5829203 (2199497)	2.47
E5829204 (2199498)	2.55
E5829205 (2199499)	2.34
E5829206 (2199500)	2.59
E5829207 (2199501)	2.52
E5829208 (2199502)	2.42
E5829209 (2199503)	2.39
E5829210 (2199504)	0.73
E5829211 (2199505)	2.36
E5829212 (2199506)	2.23
E5829213 (2199507)	2.26
E5829214 (2199508)	2.06
E5829215 (2199509)	2.04

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829159 (2199453)	<0.5	7.08	<1	55	0.9	<1	7.66	<0.5	28	34.7	112	142	9.32	25
E5829160 (2199454)	<0.5	7.09	<1	58	0.9	<1	7.87	<0.5	27	36.2	99.5	155	9.52	23
E5829161 (2199455)	<0.5	7.12	<1	135	1.1	<1	5.61	<0.5	31	41.8	69.6	149	9.62	19
E5829162 (2199456)	<0.5	7.10	<1	93	1.1	<1	5.63	<0.5	32	44.2	72.3	198	9.14	20
E5829163 (2199457)	<0.5	7.28	<1	28	0.8	<1	6.22	<0.5	24	38.8	112	79.4	8.69	19
E5829164 (2199458)	<0.5	6.85	<1	63	0.9	<1	6.47	<0.5	33	36.2	71.9	201	7.30	19
E5829165 (2199459)	<0.5	7.00	<1	100	0.9	<1	6.72	<0.5	34	38.7	70.2	229	8.62	21
E5829166 (2199460)	<0.5	7.79	<1	48	0.7	<1	5.39	<0.5	17	49.6	104	28.4	8.94	17
E5829167 (2199461)	<0.5	8.74	<1	217	0.6	<1	6.01	<0.5	18	39.7	154	63.6	6.43	18
E5829168 (2199462)	<0.5	9.22	<1	264	0.6	<1	6.23	<0.5	12	39.4	127	71.2	5.82	16
E5829169 (2199463)	<0.5	8.58	<1	112	<0.5	<1	6.94	<0.5	12	48.8	77.3	83.8	7.11	18
E5829170 (2199464)	3.9	6.64	<1	269	0.9	<1	3.97	1.4	27	147	251	7100	15.0	16
E5829171 (2199465)	<0.5	7.86	<1	55	<0.5	<1	5.92	<0.5	11	54.4	124	61.4	7.73	15
E5829172 (2199466)	<0.5	7.15	<1	10	<0.5	<1	5.86	<0.5	11	69.5	122	22.6	9.46	15
E5829173 (2199467)	<0.5	8.52	<1	51	<0.5	<1	5.20	<0.5	9	61.7	108	21.0	7.54	15
E5829174 (2199468)	<0.5	9.87	2	155	<0.5	<1	6.12	<0.5	10	46.7	152	31.0	5.89	15
E5829175 (2199469)	<0.5	8.75	<1	111	<0.5	<1	6.05	<0.5	12	44.1	233	61.1	5.76	16
E5829176 (2199470)	<0.5	9.44	<1	145	<0.5	<1	5.34	<0.5	9	38.1	136	41.5	5.03	14
E5829177 (2199471)	<0.5	8.42	<1	89	<0.5	<1	7.11	<0.5	7	37.1	129	54.0	5.37	15
E5829178 (2199472)	<0.5	8.67	<1	60	<0.5	<1	3.76	<0.5	7	58.3	143	51.4	7.04	16
E5829179 (2199473)	<0.5	6.99	<1	19	<0.5	<1	6.89	<0.5	10	60.8	113	186	6.95	13
E5829180 (2199474)	<0.5	0.11	<1	829	<0.5	<1	18.5	<0.5	<1	<0.5	8.4	<0.5	0.14	<5
E5829181 (2199475)	<0.5	7.92	<1	2	<0.5	<1	8.96	<0.5	10	79.5	228	17.6	9.86	19
E5829182 (2199476)	<0.5	8.56	<1	165	<0.5	<1	7.04	0.5	2	51.0	276	159	5.37	13
E5829183 (2199477)	<0.5	8.84	<1	173	<0.5	<1	7.91	2.3	2	58.8	365	507	5.20	14
E5829184 (2199478)	<0.5	8.86	<1	173	0.5	<1	7.04	0.6	3	54.3	297	147	5.81	14
E5829185 (2199479)	<0.5	8.00	<1	68	0.5	<1	5.99	<0.5	3	71.2	281	331	7.53	15
E5829186 (2199480)	<0.5	4.98	<1	45	<0.5	<1	7.54	1.1	6	65.5	659	1140	6.51	10
E5829187 (2199481)	<0.5	3.97	<1	30	<0.5	<1	9.15	0.6	6	66.6	1030	933	6.68	8
E5829188 (2199482)	<0.5	2.61	<1	6	<0.5	<1	8.70	<0.5	4	56.5	1320	162	6.39	6
E5829189 (2199483)	<0.5	1.97	<1	3	<0.5	<1	9.72	<0.5	6	58.5	1340	230	5.69	<5
E5829190 (2199484)	<0.5	1.72	<1	2	<0.5	<1	9.84	<0.5	7	50.1	1300	34.3	5.16	<5

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829191 (2199485)	<0.5	3.34	<1	27	<0.5	<1	8.70	<0.5	4	51.5	631	324	6.11	6
E5829192 (2199486)	<0.5	7.76	<1	103	<0.5	<1	6.55	<0.5	3	44.3	234	678	5.71	14
E5829193 (2199487)	<0.5	7.14	<1	87	<0.5	<1	6.22	0.7	7	47.7	226	772	6.62	13
E5829194 (2199488)	<0.5	6.84	<1	81	<0.5	<1	5.88	0.6	8	53.7	216	953	6.63	13
E5829195 (2199489)	0.7	7.84	<1	93	<0.5	<1	5.65	0.5	8	52.7	198	617	6.06	13
E5829196 (2199490)	<0.5	7.57	<1	95	<0.5	<1	5.86	0.8	8	59.2	211	825	6.75	15
E5829197 (2199491)	<0.5	7.01	<1	79	<0.5	<1	5.85	0.6	4	51.1	198	329	6.48	13
E5829198 (2199492)	<0.5	8.72	<1	92	<0.5	<1	5.78	<0.5	4	40.6	142	117	5.72	17
E5829199 (2199493)	<0.5	7.31	<1	78	<0.5	<1	5.50	<0.5	11	57.4	192	391	6.91	14
E5829200 (2199494)	4.1	6.75	<1	275	0.9	<1	4.07	1.6	27	149	259	7100	15.1	16
E5829201 (2199495)	<0.5	8.69	<1	101	<0.5	<1	5.80	<0.5	5	42.0	140	74.9	5.69	15
E5829202 (2199496)	<0.5	9.19	<1	107	<0.5	<1	5.87	<0.5	5	38.8	114	66.0	5.41	18
E5829203 (2199497)	<0.5	7.41	<1	87	<0.5	<1	5.47	<0.5	8	54.1	137	257	6.81	15
E5829204 (2199498)	<0.5	7.96	<1	119	<0.5	<1	5.65	<0.5	5	48.3	122	166	6.48	14
E5829205 (2199499)	<0.5	7.46	<1	107	0.6	<1	5.35	<0.5	33	39.0	103	150	6.06	16
E5829206 (2199500)	<0.5	5.59	<1	86	<0.5	<1	5.68	0.7	13	65.9	180	576	8.32	13
E5829207 (2199501)	0.6	4.83	<1	63	<0.5	<1	6.23	0.7	4	76.0	242	846	8.46	12
E5829208 (2199502)	<0.5	6.99	<1	123	0.5	<1	7.86	<0.5	<1	36.7	194	5.4	5.57	12
E5829209 (2199503)	<0.5	7.59	<1	92	<0.5	<1	6.57	<0.5	<1	39.1	279	12.9	6.24	16
E5829210 (2199504)	<0.5	0.04	<1	1580	<0.5	<1	18.7	<0.5	<1	<0.5	8.6	<0.5	0.08	<5
E5829211 (2199505)	<0.5	7.44	<1	108	<0.5	<1	5.44	<0.5	4	48.6	188	155	7.15	16
E5829212 (2199506)	<0.5	3.64	<1	23	<0.5	<1	1.19	<0.5	22	18.9	86.5	180	4.78	12
E5829213 (2199507)	<0.5	4.50	1	18	<0.5	<1	1.04	<0.5	27	19.7	97.4	387	5.48	15
E5829214 (2199508)	<0.5	4.87	<1	18	<0.5	<1	0.88	<0.5	21	15.3	83.9	175	5.35	16
E5829215 (2199509)	<0.5	5.22	<1	14	<0.5	<1	1.01	<0.5	27	4.9	83.8	23.5	2.33	16

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829159 (2199453)	<1	0.18	11	8	2.64	1470	<0.5	2.09	42.2	553	<1	<10	0.12	<1
E5829160 (2199454)	<1	0.19	11	9	2.60	1450	<0.5	2.09	42.6	532	<1	<10	0.15	<1
E5829161 (2199455)	<1	0.28	13	16	3.04	1490	<0.5	2.63	50.5	619	<1	<10	0.11	<1
E5829162 (2199456)	<1	0.23	13	13	3.00	1420	0.6	2.98	50.4	647	<1	<10	0.17	<1
E5829163 (2199457)	<1	0.11	9	15	3.63	1430	0.6	2.41	64.8	462	<1	<10	0.06	1
E5829164 (2199458)	<1	0.24	13	8	2.96	1220	0.7	2.96	43.4	664	<1	<10	0.11	<1
E5829165 (2199459)	<1	0.30	14	10	3.05	1390	0.7	2.11	42.3	650	<1	<10	0.13	<1
E5829166 (2199460)	<1	0.14	7	22	4.56	1520	<0.5	2.44	123	314	<1	<10	0.01	3
E5829167 (2199461)	<1	0.65	7	20	4.02	1260	<0.5	2.60	106	301	<1	28	0.01	2
E5829168 (2199462)	<1	0.93	5	22	3.94	1140	<0.5	2.28	118	189	<1	50	0.01	2
E5829169 (2199463)	<1	0.45	6	22	4.50	1260	<0.5	2.11	141	167	<1	22	0.03	2
E5829170 (2199464)	<1	0.62	11	12	3.87	1150	3.6	1.81	9960	615	8	15	2.66	3
E5829171 (2199465)	<1	0.22	5	21	5.16	1400	<0.5	2.24	158	188	<1	<10	0.01	3
E5829172 (2199466)	<1	0.11	4	30	6.49	1620	0.5	1.48	242	186	<1	<10	0.01	3
E5829173 (2199467)	<1	0.18	4	26	5.61	1370	<0.5	2.42	209	164	<1	<10	<0.01	4
E5829174 (2199468)	<1	0.64	4	27	4.51	1180	<0.5	2.42	196	173	<1	33	<0.01	5
E5829175 (2199469)	<1	0.36	5	23	4.94	1240	<0.5	2.67	152	190	<1	16	0.01	4
E5829176 (2199470)	<1	0.36	4	23	3.98	1030	<0.5	3.49	113	157	<1	17	<0.01	2
E5829177 (2199471)	<1	0.12	3	17	4.00	1060	<0.5	3.27	137	128	<1	<10	0.01	3
E5829178 (2199472)	<1	0.15	3	28	5.87	1310	<0.5	2.80	218	145	<1	<10	0.01	4
E5829179 (2199473)	<1	0.06	5	36	4.85	1480	<0.5	1.27	251	142	<1	<10	0.03	4
E5829180 (2199474)	2	0.01	2	7	12.6	447	<0.5	0.03	3.4	28	<1	<10	0.03	<1
E5829181 (2199475)	<1	<0.01	4	54	7.18	2080	<0.5	0.03	403	189	<1	<10	0.01	7
E5829182 (2199476)	<1	0.76	<2	36	6.48	1190	<0.5	1.37	222	35	<1	39	0.04	5
E5829183 (2199477)	<1	0.79	<2	33	6.41	1170	<0.5	1.05	303	37	69	42	0.08	5
E5829184 (2199478)	<1	0.74	<2	40	6.05	1170	<0.5	1.40	271	33	<1	35	0.03	5
E5829185 (2199479)	<1	0.18	<2	39	6.75	1360	<0.5	1.23	513	53	<1	<10	0.09	5
E5829186 (2199480)	<1	0.20	<2	19	8.23	1370	<0.5	0.64	361	111	<1	<10	0.17	5
E5829187 (2199481)	<1	0.15	<2	11	8.45	1490	<0.5	0.36	306	108	<1	<10	0.18	7
E5829188 (2199482)	<1	0.05	<2	12	10.4	1520	<0.5	0.13	201	54	<1	<10	0.06	6
E5829189 (2199483)	<1	0.03	<2	9	10.2	1330	<0.5	0.13	280	115	<1	<10	0.08	7
E5829190 (2199484)	<1	0.03	<2	9	10.1	1290	<0.5	0.12	186	168	<1	<10	0.03	6

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829191 (2199485)	<1	0.17	<2	11	8.79	1420	<0.5	0.50	223	49	<1	<10	0.07	4
E5829192 (2199486)	<1	0.55	<2	23	6.20	1240	<0.5	1.48	272	44	<1	29	0.15	5
E5829193 (2199487)	<1	0.40	2	23	6.47	1380	<0.5	1.25	295	108	<1	18	0.22	4
E5829194 (2199488)	<1	0.38	3	23	6.41	1360	<0.5	1.20	366	134	<1	17	0.29	4
E5829195 (2199489)	<1	0.41	4	24	5.70	1290	<0.5	1.53	348	160	<1	18	0.23	3
E5829196 (2199490)	<1	0.42	3	25	6.15	1410	<0.5	1.43	302	128	<1	17	0.30	4
E5829197 (2199491)	<1	0.37	<2	22	6.68	1530	<0.5	1.32	183	54	<1	15	0.07	5
E5829198 (2199492)	<1	0.39	<2	22	5.32	1220	<0.5	1.68	108	74	<1	15	0.04	4
E5829199 (2199493)	<1	0.34	4	22	6.01	1440	<0.5	1.37	181	173	<1	13	0.25	3
E5829200 (2199494)	<1	0.63	11	13	3.94	1160	3.7	1.85	9810	596	9	15	2.48	2
E5829201 (2199495)	<1	0.38	2	21	5.37	1310	<0.5	1.73	99.7	80	<1	14	0.02	4
E5829202 (2199496)	<1	0.44	3	21	4.99	1250	<0.5	1.99	73.0	89	<1	18	0.02	4
E5829203 (2199497)	<1	0.39	3	22	6.24	1640	<0.5	1.40	123	135	<1	16	0.08	5
E5829204 (2199498)	<1	0.51	2	22	5.72	1530	<0.5	1.56	96.7	86	<1	23	0.03	3
E5829205 (2199499)	<1	0.42	14	17	3.70	1200	<0.5	2.02	56.5	483	<1	19	0.20	<1
E5829206 (2199500)	<1	0.31	5	24	6.61	1860	<0.5	0.82	210	172	<1	13	0.10	3
E5829207 (2199501)	<1	0.28	<2	21	7.69	2000	<0.5	0.63	288	71	<1	12	0.12	3
E5829208 (2199502)	<1	0.56	<2	23	4.51	1510	<0.5	1.63	120	23	<1	25	<0.01	2
E5829209 (2199503)	<1	0.58	<2	20	5.31	1400	<0.5	1.69	135	35	<1	27	0.01	1
E5829210 (2199504)	<1	<0.01	2	10	12.8	444	<0.5	0.02	1.1	32	<1	<10	0.05	1
E5829211 (2199505)	<1	0.43	<2	21	5.70	1530	<0.5	1.77	127	60	<1	20	0.02	3
E5829212 (2199506)	<1	0.08	9	5	0.57	321	0.7	2.07	68.1	133	<1	<10	0.09	<1
E5829213 (2199507)	<1	0.09	11	7	0.56	323	<0.5	2.64	80.8	69	<1	<10	0.12	2
E5829214 (2199508)	<1	0.05	9	4	0.45	288	<0.5	3.12	67.0	48	<1	<10	0.06	<1
E5829215 (2199509)	<1	0.06	11	2	0.17	165	<0.5	3.60	19.2	83	<1	<10	0.03	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829159 (2199453)	38	<10	<5	529	<10	<10	<5	0.62	<5	<5	308	<1	25	73.1
E5829160 (2199454)	37	<10	<5	524	<10	<10	<5	0.61	<5	<5	302	<1	24	73.5
E5829161 (2199455)	39	<10	<5	186	<10	<10	<5	0.73	<5	<5	327	<1	27	88.6
E5829162 (2199456)	38	<10	<5	155	<10	<10	<5	0.72	<5	<5	323	<1	28	98.7
E5829163 (2199457)	36	<10	<5	222	<10	<10	<5	0.54	<5	<5	282	<1	24	84.3
E5829164 (2199458)	38	<10	<5	153	<10	<10	<5	0.70	<5	<5	315	<1	27	71.2
E5829165 (2199459)	38	<10	<5	191	<10	<10	<5	0.69	<5	<5	324	<1	28	69.7
E5829166 (2199460)	30	<10	<5	143	<10	<10	<5	0.39	<5	<5	211	<1	15	96.5
E5829167 (2199461)	30	<10	<5	221	<10	<10	<5	0.33	<5	<5	185	<1	14	81.5
E5829168 (2199462)	27	<10	<5	247	<10	<10	<5	0.30	<5	<5	180	<1	10	80.3
E5829169 (2199463)	27	<10	<5	257	<10	<10	<5	0.22	<5	<5	155	<1	10	91.3
E5829170 (2199464)	12	<10	<5	282	<10	<10	<5	0.59	<5	<5	110	11	12	114
E5829171 (2199465)	29	<10	<5	174	<10	<10	<5	0.24	<5	<5	156	<1	10	101
E5829172 (2199466)	23	<10	<5	117	<10	<10	<5	0.21	<5	<5	126	<1	9	116
E5829173 (2199467)	19	<10	<5	171	<10	<10	<5	0.18	<5	<5	100	<1	7	107
E5829174 (2199468)	18	<10	<5	270	<10	<10	<5	0.17	<5	<5	93.5	<1	7	90.6
E5829175 (2199469)	28	<10	<5	203	<10	<10	<5	0.24	<5	<5	152	<1	10	93.3
E5829176 (2199470)	20	<10	<5	183	<10	<10	<5	0.16	<5	<5	109	<1	7	88.7
E5829177 (2199471)	19	<10	<5	172	<10	<10	<5	0.15	<5	<5	99.2	<1	6	76.2
E5829178 (2199472)	20	<10	<5	105	<10	<10	<5	0.15	<5	<5	104	<1	6	118
E5829179 (2199473)	23	<10	<5	56	<10	<10	<5	0.15	<5	<5	124	<1	9	114
E5829180 (2199474)	<1	<10	<5	117	<10	<10	<5	<0.01	<5	<5	3.9	<1	<1	16.9
E5829181 (2199475)	24	<10	<5	26	<10	11	<5	0.18	<5	<5	166	<1	11	138
E5829182 (2199476)	35	<10	<5	189	<10	<10	<5	0.09	<5	<5	108	<1	4	90.0
E5829183 (2199477)	34	<10	<5	252	<10	<10	<5	0.09	<5	<5	107	<1	4	131
E5829184 (2199478)	27	<10	<5	187	<10	<10	<5	0.08	<5	<5	104	<1	4	92.9
E5829185 (2199479)	19	<10	<5	86	<10	<10	<5	0.09	<5	<5	115	<1	4	114
E5829186 (2199480)	41	<10	<5	92	<10	<10	<5	0.17	<5	<5	153	<1	8	107
E5829187 (2199481)	51	<10	<5	99	<10	<10	<5	0.21	<5	<5	181	<1	10	80.7
E5829188 (2199482)	44	<10	<5	35	<10	<10	<5	0.17	<5	<5	148	<1	8	75.1
E5829189 (2199483)	45	<10	<5	43	<10	<10	<5	0.17	<5	<5	141	<1	8	68.1
E5829190 (2199484)	42	<10	<5	21	<10	<10	<5	0.14	<5	<5	107	<1	7	74.8

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829191 (2199485)	51	<10	<5	82	<10	<10	<5	0.17	<5	<5	152	<1	9	61.8
E5829192 (2199486)	31	<10	<5	187	<10	<10	<5	0.12	<5	<5	106	<1	5	54.9
E5829193 (2199487)	33	<10	<5	159	<10	<10	<5	0.17	<5	<5	135	<1	7	75.6
E5829194 (2199488)	32	<10	<5	146	<10	<10	<5	0.18	<5	<5	131	<1	8	75.1
E5829195 (2199489)	26	<10	<5	173	<10	<10	<5	0.17	<5	<5	104	<1	7	87.2
E5829196 (2199490)	29	<10	<5	170	<10	<10	<5	0.18	<5	<5	120	<1	7	95.0
E5829197 (2199491)	32	<10	<5	146	<10	<10	<5	0.12	<5	<5	107	<1	5	88.2
E5829198 (2199492)	23	<10	<5	209	<10	<10	<5	0.12	<5	<5	84.4	<1	5	69.2
E5829199 (2199493)	29	<10	<5	152	<10	<10	<5	0.22	<5	<5	128	<1	10	72.1
E5829200 (2199494)	12	<10	<5	289	<10	12	<5	0.61	<5	<5	112	10	12	115
E5829201 (2199495)	23	<10	<5	201	<10	<10	<5	0.13	<5	<5	85.9	<1	5	71.6
E5829202 (2199496)	21	<10	<5	226	<10	<10	<5	0.13	<5	<5	79.9	<1	5	70.5
E5829203 (2199497)	27	<10	<5	149	<10	<10	<5	0.17	<5	<5	102	<1	7	83.2
E5829204 (2199498)	26	<10	<5	175	<10	<10	<5	0.14	<5	<5	91.1	<1	6	85.7
E5829205 (2199499)	25	<10	<5	191	<10	<10	<5	0.44	<5	<5	158	<1	27	66.3
E5829206 (2199500)	33	<10	<5	98	<10	<10	<5	0.24	<5	<5	137	<1	12	120
E5829207 (2199501)	37	<10	<5	70	<10	<10	<5	0.21	<5	<5	147	<1	7	138
E5829208 (2199502)	25	<10	<5	141	<10	<10	<5	0.28	<5	<5	143	<1	5	113
E5829209 (2199503)	32	<10	<5	176	<10	<10	<5	0.36	<5	<5	184	<1	7	102
E5829210 (2199504)	<1	<10	<5	109	<10	<10	<5	<0.01	<5	<5	3.0	<1	<1	10.5
E5829211 (2199505)	30	<10	<5	150	<10	<10	<5	0.23	<5	<5	137	<1	7	121
E5829212 (2199506)	8	<10	<5	98	<10	<10	<5	0.25	<5	<5	59.5	<1	27	34.1
E5829213 (2199507)	8	<10	<5	142	<10	<10	<5	0.19	<5	<5	41.5	<1	36	37.2
E5829214 (2199508)	7	<10	<5	127	<10	<10	<5	0.30	<5	<5	12.1	<1	25	34.6
E5829215 (2199509)	4	<10	<5	183	<10	<10	<5	0.21	<5	<5	5.1	<1	31	17.0

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829159 (2199453)	78
E5829160 (2199454)	73
E5829161 (2199455)	88
E5829162 (2199456)	95
E5829163 (2199457)	65
E5829164 (2199458)	86
E5829165 (2199459)	84
E5829166 (2199460)	37
E5829167 (2199461)	42
E5829168 (2199462)	28
E5829169 (2199463)	23
E5829170 (2199464)	49
E5829171 (2199465)	25
E5829172 (2199466)	30
E5829173 (2199467)	21
E5829174 (2199468)	22
E5829175 (2199469)	27
E5829176 (2199470)	20
E5829177 (2199471)	20
E5829178 (2199472)	16
E5829179 (2199473)	16
E5829180 (2199474)	<5
E5829181 (2199475)	19
E5829182 (2199476)	6
E5829183 (2199477)	6
E5829184 (2199478)	<5
E5829185 (2199479)	6
E5829186 (2199480)	16
E5829187 (2199481)	19
E5829188 (2199482)	9
E5829189 (2199483)	12
E5829190 (2199484)	10

Certified By: Sherin Moussa

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AGAT Laboratories
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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829191 (2199485)	10
E5829192 (2199486)	8
E5829193 (2199487)	17
E5829194 (2199488)	19
E5829195 (2199489)	26
E5829196 (2199490)	21
E5829197 (2199491)	9
E5829198 (2199492)	12
E5829199 (2199493)	30
E5829200 (2199494)	48
E5829201 (2199495)	11
E5829202 (2199496)	14
E5829203 (2199497)	23
E5829204 (2199498)	15
E5829205 (2199499)	100
E5829206 (2199500)	38
E5829207 (2199501)	13
E5829208 (2199502)	<5
E5829209 (2199503)	<5
E5829210 (2199504)	<5
E5829211 (2199505)	9
E5829212 (2199506)	49
E5829213 (2199507)	34
E5829214 (2199508)	35
E5829215 (2199509)	53

Comments: RDL - Reported Detection Limit

2199453-2199509 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829159 (2199453)	5	20	19
E5829160 (2199454)	4	18	20
E5829161 (2199455)	4	21	20
E5829162 (2199456)	12	22	24
E5829163 (2199457)	2	17	12
E5829164 (2199458)	6	22	17
E5829165 (2199459)	7	22	24
E5829166 (2199460)	3	14	11
E5829167 (2199461)	2	11	<5
E5829168 (2199462)	2	12	7
E5829169 (2199463)	2	17	11
E5829170 (2199464)	203	1460	759
E5829171 (2199465)	1	11	7
E5829172 (2199466)	<1	114	66
E5829173 (2199467)	1	16	8
E5829174 (2199468)	1	15	13
E5829175 (2199469)	2	9	9
E5829176 (2199470)	3	8	11
E5829177 (2199471)	5	117	9
E5829178 (2199472)	2	16	5
E5829179 (2199473)	4	127	53
E5829180 (2199474)	<1	2	<5
E5829181 (2199475)	4	162	93
E5829182 (2199476)	12	191	32
E5829183 (2199477)	18	117	22
E5829184 (2199478)	9	110	31
E5829185 (2199479)	8	192	57
E5829186 (2199480)	62	380	98
E5829187 (2199481)	88	211	53
E5829188 (2199482)	41	37	15
E5829189 (2199483)	13	44	11
E5829190 (2199484)	4	10	6

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829191 (2199485)	22	900	51
E5829192 (2199486)	37	476	106
E5829193 (2199487)	32	334	81
E5829194 (2199488)	56	500	110
E5829195 (2199489)	38	545	133
E5829196 (2199490)	52	569	138
E5829197 (2199491)	23	161	79
E5829198 (2199492)	7	46	17
E5829199 (2199493)	26	174	71
E5829200 (2199494)	173	1490	748
E5829201 (2199495)	4	17	14
E5829202 (2199496)	4	7	<5
E5829203 (2199497)	23	20	30
E5829204 (2199498)	10	7	9
E5829205 (2199499)	14	2	<5
E5829206 (2199500)	47	51	54
E5829207 (2199501)	65	32	73
E5829208 (2199502)	<1	1	<5
E5829209 (2199503)	2	4	<5
E5829210 (2199504)	<1	<1	<5
E5829211 (2199505)	13	25	13
E5829212 (2199506)	11	8	7
E5829213 (2199507)	18	12	11
E5829214 (2199508)	6	5	<5
E5829215 (2199509)	2	<1	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829159 (2199453)	75.16
E5829169 (2199463)	75.60
E5829180 (2199474)	75.66
E5829190 (2199484)	75.27
E5829201 (2199495)	76.43
E5829211 (2199505)	76.93

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 10, 2021 | DATE RECEIVED: Mar 11, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829159 (2199453)	85.54
E5829195 (2199489)	88.12

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2199453	< 0.5	< 0.5	0.0%	2199468	< 0.5	< 0.5	0.0%	2199478	< 0.5	< 0.5	0.0%	2199493	< 0.5	< 0.5	0.0%
Al	2199453	7.08	7.09	0.1%	2199468	9.87	9.82	0.5%	2199478	8.86	8.80	0.7%	2199493	7.31	7.23	1.1%
As	2199453	< 1	< 1	0.0%	2199468	2	< 1		2199478	< 1	< 1	0.0%	2199493	< 1	< 1	0.0%
Ba	2199453	55	52	5.6%	2199468	155	151	2.6%	2199478	173	180	4.0%	2199493	78	77	1.3%
Be	2199453	0.9	0.9	0.0%	2199468	< 0.5	< 0.5	0.0%	2199478	0.5	0.5	0.0%	2199493	< 0.5	< 0.5	0.0%
Bi	2199453	< 1	< 1	0.0%	2199468	< 1	< 1	0.0%	2199478	< 1	< 1	0.0%	2199493	< 1	< 1	0.0%
Ca	2199453	7.66	7.67	0.1%	2199468	6.12	6.02	1.6%	2199478	7.04	7.57	7.3%	2199493	5.50	5.41	1.6%
Cd	2199453	< 0.5	< 0.5	0.0%	2199468	< 0.5	< 0.5	0.0%	2199478	0.59	0.77	26.5%	2199493	< 0.5	< 0.5	0.0%
Ce	2199453	28	28	0.0%	2199468	10	9	10.5%	2199478	3	2		2199493	11	11	0.0%
Co	2199453	34.7	35.1	1.1%	2199468	46.7	46.5	0.4%	2199478	54.3	55.0	1.3%	2199493	57.4	56.1	2.3%
Cr	2199453	112	101	10.3%	2199468	152	137	10.4%	2199478	297	277	7.0%	2199493	192	189	1.6%
Cu	2199453	142	142	0.0%	2199468	31.0	30.9	0.3%	2199478	147	154	4.7%	2199493	391	389	0.5%
Fe	2199453	9.32	9.43	1.2%	2199468	5.89	5.86	0.5%	2199478	5.81	5.67	2.4%	2199493	6.91	6.81	1.5%
Ga	2199453	25	23	8.3%	2199468	15	16	6.5%	2199478	14	14	0.0%	2199493	14	14	0.0%
In	2199453	< 1	< 1	0.0%	2199468	< 1	< 1	0.0%	2199478	< 1	< 1	0.0%	2199493	< 1	< 1	0.0%
K	2199453	0.18	0.18	0.0%	2199468	0.64	0.64	0.0%	2199478	0.737	0.785	6.3%	2199493	0.34	0.34	0.0%
La	2199453	11	11	0.0%	2199468	4	4	0.0%	2199478	< 2	< 2	0.0%	2199493	4	4	0.0%
Li	2199453	8	9	11.8%	2199468	27	26	3.8%	2199478	40	40	0.0%	2199493	22	22	0.0%
Mg	2199453	2.64	2.66	0.8%	2199468	4.51	4.49	0.4%	2199478	6.05	6.11	1.0%	2199493	6.01	5.93	1.3%
Mn	2199453	1470	1470	0.0%	2199468	1180	1170	0.9%	2199478	1170	1180	0.9%	2199493	1440	1420	1.4%
Mo	2199453	< 0.5	< 0.5	0.0%	2199468	< 0.5	< 0.5	0.0%	2199478	< 0.5	< 0.5	0.0%	2199493	< 0.5	< 0.5	0.0%
Na	2199453	2.09	2.19	4.7%	2199468	2.42	2.36	2.5%	2199478	1.40	1.35	3.6%	2199493	1.37	1.35	1.5%
Ni	2199453	42.2	43.8	3.7%	2199468	196	195	0.5%	2199478	271	269	0.7%	2199493	181	181	0.0%
P	2199453	553	554	0.2%	2199468	173	171	1.2%	2199478	33	37	11.4%	2199493	173	169	2.3%
Pb	2199453	< 1	< 1	0.0%	2199468	< 1	< 1	0.0%	2199478	< 1	< 1	0.0%	2199493	< 1	< 1	0.0%
Rb	2199453	< 10	< 10	0.0%	2199468	33	33	0.0%	2199478	35	38	8.2%	2199493	13	14	7.4%
S	2199453	0.12	0.13	8.0%	2199468	< 0.01	< 0.01	0.0%	2199478	0.03	0.03	0.0%	2199493	0.247	0.243	1.6%
Sb	2199453	< 1	< 1	0.0%	2199468	5	5	0.0%	2199478	5	5	0.0%	2199493	3	2	
Sc	2199453	38	38	0.0%	2199468	18	18	0.0%	2199478	27	29	7.1%	2199493	29	29	0.0%
Se	2199453	< 10	< 10	0.0%	2199468	< 10	< 10	0.0%	2199478	< 10	< 10	0.0%	2199493	< 10	< 10	0.0%
Sn	2199453	< 5	< 5	0.0%	2199468	< 5	< 5	0.0%	2199478	< 5	< 5	0.0%	2199493	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2199453	529	506	4.4%	2199468	270	264	2.2%	2199478	187	193	3.2%	2199493	152	149	2.0%
Ta	2199453	< 10	< 10	0.0%	2199468	< 10	< 10	0.0%	2199478	< 10	< 10	0.0%	2199493	< 10	< 10	0.0%
Te	2199453	< 10	< 10	0.0%	2199468	< 10	< 10	0.0%	2199478	< 10	< 10	0.0%	2199493	< 10	< 10	0.0%
Th	2199453	< 5	< 5	0.0%	2199468	< 5	< 5	0.0%	2199478	< 5	< 5	0.0%	2199493	< 5	< 5	0.0%
Ti	2199453	0.62	0.62	0.0%	2199468	0.17	0.17	0.0%	2199478	0.08	0.08	0.0%	2199493	0.22	0.22	0.0%
Tl	2199453	< 5	< 5	0.0%	2199468	< 5	< 5	0.0%	2199478	< 5	< 5	0.0%	2199493	< 5	< 5	0.0%
U	2199453	< 5	< 5	0.0%	2199468	< 5	< 5	0.0%	2199478	< 5	< 5	0.0%	2199493	< 5	< 5	0.0%
V	2199453	308	307	0.3%	2199468	93.5	92.4	1.2%	2199478	104	105	1.0%	2199493	128	129	0.8%
W	2199453	< 1	< 1	0.0%	2199468	< 1	< 1	0.0%	2199478	< 1	< 1	0.0%	2199493	< 1	< 1	0.0%
Y	2199453	25	25	0.0%	2199468	7	7	0.0%	2199478	4	4	0.0%	2199493	10	10	0.0%
Zn	2199453	73.1	74.1	1.4%	2199468	90.6	87.6	3.4%	2199478	92.9	99.9	7.3%	2199493	72.1	72.1	0.0%
Zr	2199453	78	79	1.3%	2199468	22	22	0.0%	2199478	< 5	< 5	0.0%	2199493	30	31	3.3%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2199503	< 0.5	< 0.5	0.0%												
Al	2199503	7.59	7.62	0.4%												
As	2199503	< 1	< 1	0.0%												
Ba	2199503	92	92	0.0%												
Be	2199503	< 0.5	< 0.5	0.0%												
Bi	2199503	< 1	< 1	0.0%												
Ca	2199503	6.57	6.62	0.8%												
Cd	2199503	< 0.5	< 0.5	0.0%												
Ce	2199503	< 1	< 1	0.0%												
Co	2199503	39.1	39.1	0.0%												
Cr	2199503	279	223	22.3%												
Cu	2199503	12.9	12.7	1.6%												
Fe	2199503	6.24	6.31	1.1%												
Ga	2199503	16	16	0.0%												
In	2199503	< 1	< 1	0.0%												
K	2199503	0.58	0.58	0.0%												
La	2199503	< 2	< 2	0.0%												
Li	2199503	20	20	0.0%												
Mg	2199503	5.31	5.32	0.2%												
Mn	2199503	1400	1420	1.4%												

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2199503	< 0.5	< 0.5	0.0%												
Na	2199503	1.69	1.66	1.8%												
Ni	2199503	135	137	1.5%												
P	2199503	35	34	2.9%												
Pb	2199503	< 1	< 1	0.0%												
Rb	2199503	27	28	3.6%												
S	2199503	0.01	< 0.01													
Sb	2199503	1	1	0.0%												
Sc	2199503	32	33	3.1%												
Se	2199503	< 10	< 10	0.0%												
Sn	2199503	< 5	< 5	0.0%												
Sr	2199503	176	177	0.6%												
Ta	2199503	< 10	< 10	0.0%												
Te	2199503	< 10	< 10	0.0%												
Th	2199503	< 5	< 5	0.0%												
Ti	2199503	0.36	0.36	0.0%												
Tl	2199503	< 5	< 5	0.0%												
U	2199503	< 5	< 5	0.0%												
V	2199503	184	186	1.1%												
W	2199503	< 1	< 1	0.0%												
Y	2199503	7	7	0.0%												
Zn	2199503	102	103	1.0%												
Zr	2199503	< 5	< 5	0.0%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2199453	5	3		2199468	1	2	66.7%	2199478	9	10	10.5%	2199493	26	23	12.2%
Pd	2199453	20	20	0.0%	2199468	15	16	6.5%	2199478	110	94	15.7%	2199493	174	225	25.6%
Pt	2199453	19	21	10.0%	2199468	13	15	14.3%	2199478	31	23	29.6%	2199493	71	74	4.1%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2199503	2	2	0.0%
Pd	2199503	4	3	28.6%
Pt	2199503	< 5	< 5	0.0%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.28	98%	90% - 110%	6.96	6.88	99%	90% - 110%	13.0	12.5	96%	90% - 110%	8.47	8.29	98%	90% - 110%
As	26	27	104%	90% - 110%	124	128	103%	90% - 110%					26	25	98%	90% - 110%
Ba	540	526	97%	90% - 110%	186	180	97%	90% - 110%	1305	1281	98%	90% - 110%	540	518	96%	90% - 110%
Be	4.0	3.5	88%	90% - 110%									4.0	3.7	92%	90% - 110%
Ca	0.907	0.914	101%	90% - 110%	4.01	3.88	97%	90% - 110%	1.42	1.39	98%	90% - 110%	0.907	0.921	102%	90% - 110%
Ce	98	94	96%	90% - 110%	24	22	94%	90% - 110%	58.24	56.35	97%	90% - 110%	98	98	100%	90% - 110%
Co	13	11	82%	90% - 110%	22.1	20.2	91%	90% - 110%					13	11	84%	90% - 110%
Cr	60.3	65.2	108%	90% - 110%									60.3	65.2	108%	90% - 110%
Cu	150	149	99%	90% - 110%	88.6	86	97%	90% - 110%	6.40	6.98	109%	90% - 110%	150	148	99%	90% - 110%
Fe	3.77	3.67	97%	90% - 110%	7.56	6.98	92%	90% - 110%	3.27	3.12	96%	90% - 110%	3.77	3.66	97%	90% - 110%
Ga									22.63	23.09	102%	90% - 110%				
K					2.021	2.062	102%	90% - 110%	3.69	3.67	99%	90% - 110%				
La	44	42	96%	90% - 110%					27.48	26.98	98%	90% - 110%	44	44	100%	90% - 110%
Li									64.95	65.2	100%	90% - 110%	47	45	96%	90% - 110%
Mg	1.10	1.08	98%	90% - 110%	2.412	2.365	98%	90% - 110%	0.223	0.232	104%	90% - 110%	1.10	1.09	99%	90% - 110%
Mn	780	769	99%	90% - 110%	1510	1453	96%	90% - 110%					780	776	100%	90% - 110%
Mo	14	13	91%	90% - 110%									14	13	96%	90% - 110%
Na	1.624	1.685	104%	90% - 110%	0.617	0.614	100%	90% - 110%	7.24	6.64	92%	90% - 110%	1.624	1.642	101%	90% - 110%
Ni	32	34	107%	90% - 110%	77.1	73.6	95%	90% - 110%					32	34	107%	90% - 110%
P	750	759	101%	90% - 110%	892	895	100%	90% - 110%					750	747	100%	90% - 110%
Rb	143	150	105%	90% - 110%									143	155	109%	90% - 110%
S					0.348	0.333	96%	90% - 110%								
Sc	12	12	102%	90% - 110%					2.76	2.4	87%	90% - 110%	12	12	103%	90% - 110%
Sr	144	149	104%	90% - 110%	92.8	86.9	94%	90% - 110%	312	308	99%	90% - 110%	144	147	102%	90% - 110%
Ti	0.53	0.49	92%	90% - 110%					0.222	0.224	101%	90% - 110%	0.53	0.48	90%	90% - 110%
V	77	82	107%	90% - 110%									77	83	107%	90% - 110%
Y									25.32	24.98	99%	90% - 110%				
Zn	130	127	98%	90% - 110%	208	209	101%	90% - 110%	75.42	79.99	106%	90% - 110%	130	127	97%	90% - 110%

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.GS4L)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Au	4010	4210	105%	90% - 110%					1897	2065	109%	90% - 110%	1897	1814	96%	90% - 110%
Pd					1660	1837	110%	90% - 110%	1660	1783	107%	90% - 110%	1660	1625	98%	90% - 110%
Pt					223	231	104%	90% - 110%	223	245	109%	90% - 110%	223	224	100%	90% - 110%
	CRM #5 (ref.PGMS30)															
Parameter	Expect	Actual	Recovery	Limits												
Au	1897	1943	102%	90% - 110%												
Pd	1660	1805	109%	90% - 110%												
Pt	223	230	103%	90% - 110%												

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
AGAT WORK ORDER: 21T720327
PROJECT: EAST BULL
ATTENTION TO: Garry Clark
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T720327

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark, Des Cullen

PROJECT: East Bull

AGAT WORK ORDER: 21T727152

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Apr 15, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829315 (2279526)	2.34
5829316 (2279527)	2.32
5829317 (2279528)	2.33
5829318 (2279529)	2.35
5829319 (2279530)	2.35
5829320 (2279531)	2.53
5829321 (2279532)	2.43
5829322 (2279533)	2.27
5829323 (2279534)	2.24
5829324 (2279535)	2.33
5829325 (2279536)	2.35
5829326 (2279537)	2.38
5829327 (2279538)	2.43
5829328 (2279539)	2.47
5829329 (2279540)	2.31
5829330 (2279541)	0.10
5829331 (2279542)	2.38
5829332 (2279543)	2.43
5829333 (2279544)	2.27
5829334 (2279545)	2.27
5829335 (2279546)	2.40
5829336 (2279547)	2.37
5829337 (2279548)	2.32
5829338 (2279549)	2.34
5829339 (2279550)	2.34
5829340 (2279551)	0.89
5829341 (2279552)	2.24
5829342 (2279553)	2.39
5829343 (2279554)	2.39
5829344 (2279555)	2.44
5829345 (2279556)	2.26

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829346 (2279557)	0.85
5829347 (2279558)	1.31
5829348 (2279559)	2.32
5829349 (2279560)	2.44
5829350 (2279561)	2.39
5829351 (2279562)	2.28
5829352 (2279563)	2.27
5829353 (2279564)	2.28
5829354 (2279565)	2.19
5829355 (2279566)	2.07
5829356 (2279567)	2.12
5829357 (2279568)	2.03
5829358 (2279569)	2.22
5829359 (2279570)	2.40
5829360 (2279571)	0.10
5829361 (2279572)	1.88
5829362 (2279573)	2.01
5829363 (2279574)	2.17
5829364 (2279575)	2.35
5829365 (2279576)	2.33
5829366 (2279577)	2.25
5829367 (2279578)	2.28
5829368 (2279579)	2.27
5829369 (2279580)	2.38
5829370 (2279581)	0.79
5829371 (2279582)	2.32
5829372 (2279583)	2.34
5829373 (2279584)	2.24
5829374 (2279585)	1.89
5829375 (2279586)	2.11
5829376 (2279587)	2.25

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829377 (2279588)	2.33
5829378 (2279589)	2.27
5829379 (2279590)	2.40
5829380 (2279591)	1.09
5829381 (2279592)	1.11
5829382 (2279593)	2.41
5829383 (2279594)	2.46
5829384 (2279595)	2.35
5829385 (2279596)	2.55
5829386 (2279597)	2.36

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829315 (2279526)	<0.5	7.51	<1	216	1.0	<1	5.89	<0.5	29	42.6	70.6	112	7.65	20
5829316 (2279527)	<0.5	7.55	<1	128	0.9	<1	6.91	<0.5	27	38.6	79.4	96.0	8.09	20
5829317 (2279528)	<0.5	6.43	<1	70	0.8	<1	5.34	<0.5	23	42.9	62.2	275	6.78	13
5829318 (2279529)	<0.5	7.40	<1	160	0.9	<1	4.73	<0.5	25	51.5	62.8	87.9	8.27	19
5829319 (2279530)	<0.5	7.38	<1	108	0.8	<1	4.87	<0.5	23	48.7	60.3	70.7	8.01	16
5829320 (2279531)	<0.5	7.37	<1	127	0.9	<1	5.36	<0.5	25	44.3	65.8	73.5	7.93	18
5829321 (2279532)	<0.5	7.37	<1	94	0.8	<1	6.31	<0.5	25	40.4	69.9	70.8	7.74	18
5829322 (2279533)	<0.5	8.39	<1	166	1.0	<1	4.90	<0.5	23	45.6	60.1	42.3	7.89	19
5829323 (2279534)	<0.5	8.47	<1	277	0.9	<1	5.64	<0.5	23	41.2	64.6	79.3	7.15	21
5829324 (2279535)	<0.5	7.72	<1	218	0.9	<1	6.31	<0.5	25	46.8	68.3	123	7.47	20
5829325 (2279536)	<0.5	9.64	<1	207	0.5	<1	6.38	<0.5	12	47.7	100	48.5	6.79	20
5829326 (2279537)	<0.5	8.45	<1	158	0.7	<1	6.29	<0.5	22	45.4	105	68.6	6.94	17
5829327 (2279538)	<0.5	8.03	<1	105	<0.5	<1	6.23	<0.5	13	63.9	54.3	73.8	8.61	18
5829328 (2279539)	<0.5	9.55	<1	112	<0.5	<1	6.45	<0.5	9	52.0	71.5	83.6	6.23	17
5829329 (2279540)	<0.5	8.54	<1	114	<0.5	<1	6.96	<0.5	10	52.8	116	18.4	6.57	16
5829330 (2279541)	3.2	6.67	<1	274	0.9	<1	3.90	0.9	27	172	231	7040	14.6	8
5829331 (2279542)	<0.5	9.03	<1	140	0.5	<1	6.15	<0.5	12	59.7	79.3	60.4	6.65	18
5829332 (2279543)	<0.5	10.4	<1	117	<0.5	<1	6.97	<0.5	9	45.7	88.3	51.6	5.34	18
5829333 (2279544)	<0.5	9.56	<1	83	<0.5	<1	6.26	<0.5	6	61.3	124	23.5	6.19	16
5829334 (2279545)	<0.5	9.98	<1	106	<0.5	<1	6.88	<0.5	6	54.3	139	28.1	5.97	17
5829335 (2279546)	<0.5	6.42	<1	96	<0.5	<1	5.60	2.3	6	90.0	153	47.6	8.45	14
5829336 (2279547)	<0.5	5.52	<1	81	<0.5	<1	4.51	<0.5	7	97.8	44.4	35.6	12.7	15
5829337 (2279548)	<0.5	7.98	<1	223	<0.5	<1	4.84	<0.5	8	71.7	136	189	9.73	19
5829338 (2279549)	<0.5	7.78	<1	296	0.7	<1	4.62	<0.5	20	46.9	111	161	7.91	18
5829339 (2279550)	<0.5	8.34	<1	321	0.7	<1	4.56	<0.5	24	38.1	121	176	6.38	18
5829340 (2279551)	<0.5	0.05	<1	913	<0.5	<1	17.6	<0.5	<1	<0.5	6.7	<0.5	0.07	<5
5829341 (2279552)	<0.5	7.80	<1	187	<0.5	<1	4.55	<0.5	6	46.1	245	41.2	7.01	16
5829342 (2279553)	<0.5	4.98	<1	20	<0.5	<1	4.48	<0.5	3	66.4	339	271	7.42	11
5829343 (2279554)	0.9	5.17	<1	12	<0.5	<1	3.92	<0.5	4	74.8	286	1840	7.27	11
5829344 (2279555)	<0.5	6.12	<1	37	<0.5	<1	3.61	<0.5	3	70.5	215	956	7.30	12
5829345 (2279556)	<0.5	5.10	<1	11	<0.5	<1	3.96	2.0	3	71.9	192	829	7.26	11
5829346 (2279557)	1.4	5.70	<1	28	<0.5	<1	3.71	1.2	2	84.7	167	2550	7.72	11

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829347 (2279558)	1.3	6.63	<1	56	<0.5	<1	3.12	0.9	3	93.9	151	2400	7.59	12
5829348 (2279559)	0.9	4.71	<1	1	<0.5	<1	3.75	0.5	2	96.5	180	2580	8.34	11
5829349 (2279560)	<0.5	3.59	<1	3	<0.5	<1	4.98	<0.5	3	98.8	166	1690	7.92	10
5829350 (2279561)	<0.5	3.97	<1	2	<0.5	<1	4.57	<0.5	<1	82.2	197	799	8.46	11
5829351 (2279562)	<0.5	4.35	<1	1	<0.5	<1	3.96	<0.5	2	100	176	1840	9.27	12
5829352 (2279563)	0.5	3.70	<1	1	<0.5	<1	4.66	<0.5	1	102	153	2060	8.91	9
5829353 (2279564)	<0.5	5.66	<1	33	<0.5	<1	4.32	<0.5	4	78.7	96.6	857	8.13	15
5829354 (2279565)	<0.5	10.2	<1	291	<0.5	<1	6.84	<0.5	13	39.3	118	431	5.22	17
5829355 (2279566)	<0.5	8.77	<1	122	0.7	<1	5.95	<0.5	29	37.2	46.7	566	6.45	20
5829356 (2279567)	<0.5	9.68	<1	310	0.8	<1	5.01	<0.5	27	40.4	47.2	612	6.82	21
5829357 (2279568)	<0.5	3.23	<1	160	<0.5	<1	1.08	<0.5	4	21.4	29.0	659	2.75	6
5829358 (2279569)	<0.5	4.99	<1	7	<0.5	<1	3.32	<0.5	4	79.0	78.5	395	9.67	14
5829359 (2279570)	<0.5	4.53	<1	4	<0.5	<1	4.14	<0.5	8	76.5	78.2	283	9.04	13
5829360 (2279571)	3.5	6.62	<1	265	0.8	<1	3.68	1.3	26	174	238	7120	14.6	10
5829361 (2279572)	<0.5	5.83	<1	100	0.9	<1	3.08	<0.5	4	62.5	44.2	90.5	9.88	20
5829362 (2279573)	<0.5	8.02	<1	183	1.2	<1	2.25	4.4	4	69.5	42.4	567	15.9	34
5829363 (2279574)	<0.5	7.44	<1	61	1.0	<1	3.03	0.9	16	58.0	156	1190	9.34	22
5829364 (2279575)	6.7	8.61	<1	126	<0.5	<1	5.34	1.0	1	70.7	242	1710	7.20	13
5829365 (2279576)	<0.5	8.28	<1	75	<0.5	<1	5.63	0.8	2	77.6	142	1170	7.45	14
5829366 (2279577)	0.8	8.65	<1	86	<0.5	<1	6.15	0.8	1	66.9	151	1020	6.06	13
5829367 (2279578)	<0.5	9.83	<1	73	<0.5	<1	5.87	<0.5	1	44.7	111	421	6.10	15
5829368 (2279579)	<0.5	9.95	<1	79	<0.5	<1	7.16	<0.5	<1	43.3	82.7	136	5.32	15
5829369 (2279580)	0.6	8.16	<1	45	<0.5	<1	6.17	<0.5	5	73.0	169	1120	7.05	16
5829370 (2279581)	<0.5	0.04	<1	1150	<0.5	<1	17.7	<0.5	<1	<0.5	6.4	<0.5	0.07	<5
5829371 (2279582)	0.8	9.40	<1	82	<0.5	<1	5.55	1.2	3	94.0	156	1550	7.46	17
5829372 (2279583)	<0.5	9.27	<1	134	<0.5	<1	6.32	0.8	1	95.6	125	701	6.83	15
5829373 (2279584)	0.9	8.93	<1	177	<0.5	<1	5.96	7.0	6	89.8	86.7	883	6.71	15
5829374 (2279585)	<0.5	8.46	<1	106	<0.5	<1	4.96	11.6	11	68.8	84.5	684	7.31	16
5829375 (2279586)	2.3	9.26	<1	103	<0.5	<1	4.37	9.6	4	69.4	85.0	734	7.25	15
5829376 (2279587)	<0.5	10.3	<1	96	<0.5	<1	6.16	<0.5	3	57.1	80.9	375	6.43	16
5829377 (2279588)	<0.5	9.54	<1	82	<0.5	<1	7.27	<0.5	2	46.9	97.8	184	5.96	16
5829378 (2279589)	<0.5	8.53	<1	70	<0.5	<1	6.37	<0.5	1	56.8	107	670	6.45	15

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829379 (2279590)	<0.5	7.53	<1	56	<0.5	<1	5.11	0.9	8	58.2	150	711	7.55	15
5829380 (2279591)	<0.5	8.97	<1	80	<0.5	<1	5.59	0.5	3	56.4	113	917	7.19	16
5829381 (2279592)	<0.5	9.05	<1	80	<0.5	<1	5.53	0.6	3	56.9	126	1010	7.24	17
5829382 (2279593)	<0.5	7.37	<1	47	<0.5	<1	4.58	0.7	3	100	108	1060	9.49	14
5829383 (2279594)	<0.5	8.99	<1	76	<0.5	<1	7.41	<0.5	3	43.2	93.2	201	6.66	17
5829384 (2279595)	<0.5	8.09	<1	62	<0.5	<1	6.27	<0.5	3	67.1	106	484	7.61	15
5829385 (2279596)	<0.5	6.88	<1	46	<0.5	<1	5.52	0.6	4	84.5	132	698	9.01	14
5829386 (2279597)	<0.5	7.81	<1	42	<0.5	<1	8.13	<0.5	2	86.3	109	405	10.4	18

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(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829315 (2279526)	<1	0.57	11	16	3.37	1400	<0.5	2.10	63.0	481	<1	15	0.09	<1
5829316 (2279527)	<1	0.38	11	11	3.33	1360	<0.5	2.35	61.2	455	2	11	0.11	<1
5829317 (2279528)	<1	0.19	9	7	3.18	1230	<0.5	3.24	68.1	462	3	<10	0.16	<1
5829318 (2279529)	<1	0.49	9	20	3.96	1450	<0.5	2.54	74.8	490	<1	13	0.10	<1
5829319 (2279530)	<1	0.34	8	18	3.94	1430	<0.5	2.77	69.5	434	<1	<10	0.08	<1
5829320 (2279531)	<1	0.36	9	16	3.75	1420	<0.5	2.75	69.6	427	<1	<10	0.08	<1
5829321 (2279532)	<1	0.26	10	12	3.60	1400	<0.5	2.62	65.2	398	1	<10	0.09	<1
5829322 (2279533)	<1	0.44	9	24	3.65	1360	<0.5	2.80	68.8	428	<1	12	0.07	<1
5829323 (2279534)	<1	0.64	9	20	3.25	1250	<0.5	2.35	58.9	408	<1	19	0.09	<1
5829324 (2279535)	<1	0.59	10	16	3.47	1410	<0.5	1.64	71.3	432	1	17	0.12	<1
5829325 (2279536)	<1	0.65	5	23	3.92	1240	<0.5	1.79	132	217	<1	18	0.10	<1
5829326 (2279537)	<1	0.47	9	19	3.78	1230	<0.5	2.16	97.2	357	<1	14	0.10	<1
5829327 (2279538)	<1	0.37	5	26	4.99	1380	<0.5	1.09	216	237	1	12	0.10	<1
5829328 (2279539)	<1	0.40	4	22	4.22	1130	<0.5	1.76	146	175	<1	12	0.12	<1
5829329 (2279540)	<1	0.44	4	22	4.79	1180	<0.5	1.54	171	185	<1	12	0.10	<1
5829330 (2279541)	<1	0.65	10	13	3.73	1080	3.3	1.86	9430	579	43	14	2.56	<1
5829331 (2279542)	<1	0.55	5	24	4.78	1150	<0.5	1.37	197	224	<1	15	0.10	<1
5829332 (2279543)	<1	0.41	4	19	3.79	860	<0.5	1.63	148	169	<1	12	0.11	<1
5829333 (2279544)	<1	0.36	2	23	4.98	1010	<0.5	1.33	237	116	<1	11	0.10	<1
5829334 (2279545)	<1	0.42	2	22	4.83	974	<0.5	1.58	219	121	<1	12	0.10	<1
5829335 (2279546)	<1	0.36	2	29	7.56	1360	<0.5	0.67	357	122	177	12	0.13	<1
5829336 (2279547)	<1	0.40	2	40	7.73	1620	<0.5	0.31	368	137	5	15	0.12	<1
5829337 (2279548)	<1	1.03	3	35	5.74	1330	<0.5	0.97	296	123	4	40	0.13	2
5829338 (2279549)	<1	1.45	8	28	4.82	1080	<0.5	1.59	101	361	<1	57	0.10	<1
5829339 (2279550)	<1	1.17	10	34	4.92	933	<0.5	2.14	88.2	445	<1	44	0.10	<1
5829340 (2279551)	1	0.02	3	12	12.0	392	<0.5	0.03	1.7	52	2	<10	0.26	<1
5829341 (2279552)	<1	0.77	2	37	6.66	1180	<0.5	1.44	155	108	3	29	0.09	<1
5829342 (2279553)	<1	0.09	<2	41	9.75	1540	<0.5	0.36	262	87	4	<10	0.09	3
5829343 (2279554)	<1	0.07	<2	39	9.47	1490	<0.5	0.50	420	69	5	<10	0.25	4
5829344 (2279555)	<1	0.20	<2	43	9.29	1450	<0.5	0.73	353	57	2	<10	0.17	1
5829345 (2279556)	<1	0.07	<2	41	9.77	1460	<0.5	0.31	384	50	3	<10	0.17	<1
5829346 (2279557)	<1	0.14	<2	38	9.18	1500	<0.5	0.74	617	48	4	<10	0.47	2

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829347 (2279558)	<1	0.24	<2	39	8.29	1340	<0.5	1.28	749	69	4	<10	0.47	3
5829348 (2279559)	<1	0.01	<2	25	9.73	1450	<0.5	0.05	651	58	4	<10	0.42	1
5829349 (2279560)	<1	0.02	2	10	10.3	1390	<0.5	0.05	624	41	5	<10	0.35	1
5829350 (2279561)	<1	0.02	<2	9	10.1	1590	<0.5	0.06	390	42	3	<10	0.17	2
5829351 (2279562)	<1	0.01	<2	7	9.94	1530	<0.5	0.05	635	62	6	<10	0.30	1
5829352 (2279563)	<1	<0.01	<2	9	10.1	1490	<0.5	0.05	618	44	9	<10	0.32	<1
5829353 (2279564)	<1	0.23	<2	31	8.43	1330	<0.5	0.32	365	56	11	<10	0.17	2
5829354 (2279565)	<1	1.13	6	47	3.83	794	<0.5	1.25	178	290	<1	36	0.21	<1
5829355 (2279566)	<1	0.52	13	21	2.90	871	<0.5	1.55	95.8	541	3	18	0.22	<1
5829356 (2279567)	<1	0.89	12	30	3.14	913	<0.5	1.91	130	495	3	28	0.18	<1
5829357 (2279568)	<1	0.36	2	10	1.71	364	<0.5	0.70	94.4	34	1	<10	0.09	<1
5829358 (2279569)	<1	0.03	<2	21	8.80	1550	<0.5	0.08	167	79	3	<10	0.10	<1
5829359 (2279570)	<1	0.03	3	26	8.73	1690	<0.5	0.28	117	88	3	<10	0.09	<1
5829360 (2279571)	<1	0.67	10	13	3.74	1100	3.2	1.82	9480	624	44	14	2.58	<1
5829361 (2279572)	<1	0.40	<2	43	7.25	1430	<0.5	0.64	56.9	71	<1	16	0.06	<1
5829362 (2279573)	<1	0.76	<2	57	7.56	1620	<0.5	0.16	75.3	49	2	29	0.18	<1
5829363 (2279574)	<1	0.16	5	30	5.66	1280	<0.5	1.52	335	266	1	<10	0.27	<1
5829364 (2279575)	<1	0.42	<2	31	6.41	1340	<0.5	1.43	578	55	4	15	0.40	<1
5829365 (2279576)	<1	0.31	<2	31	6.61	1420	<0.5	1.20	493	49	4	<10	0.50	3
5829366 (2279577)	<1	0.45	<2	27	5.90	1190	<0.5	1.41	369	43	1	13	0.37	<1
5829367 (2279578)	<1	0.38	<2	35	5.26	1070	<0.5	2.03	227	39	<1	12	0.17	<1
5829368 (2279579)	<1	0.46	<2	34	4.72	1070	<0.5	1.65	248	51	<1	15	0.16	2
5829369 (2279580)	<1	0.29	2	30	4.96	1180	<0.5	1.32	499	110	6	<10	0.53	<1
5829370 (2279581)	<1	0.01	3	9	12.6	423	<0.5	0.03	1.4	78	1	<10	0.28	<1
5829371 (2279582)	<1	0.69	<2	39	4.92	1120	<0.5	2.09	441	59	4	21	1.13	<1
5829372 (2279583)	<1	0.81	<2	30	4.15	984	<0.5	2.23	319	59	3	30	1.15	4
5829373 (2279584)	<1	1.73	3	64	4.74	968	3.0	1.94	255	88	432	61	1.14	<1
5829374 (2279585)	<1	0.81	5	64	5.06	1080	1.3	1.99	184	195	87	21	0.83	<1
5829375 (2279586)	<1	1.06	2	60	5.24	1070	2.4	2.06	214	51	1220	51	0.97	<1
5829376 (2279587)	<1	0.42	<2	33	4.66	1050	<0.5	1.99	144	53	2	15	0.38	<1
5829377 (2279588)	<1	0.36	<2	20	4.62	1080	<0.5	1.99	110	40	2	13	0.36	<1
5829378 (2279589)	<1	0.28	<2	24	4.73	1120	2.9	2.07	231	47	4	<10	0.48	<1

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AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829379 (2279590)	<1	0.21	3	27	6.28	1330	<0.5	1.39	276	167	2	<10	0.33	<1
5829380 (2279591)	<1	0.35	<2	34	5.48	1270	<0.5	1.76	307	74	3	11	0.39	<1
5829381 (2279592)	<1	0.34	<2	34	5.63	1290	<0.5	1.80	311	71	2	11	0.34	<1
5829382 (2279593)	<1	0.18	<2	24	6.71	1610	<0.5	1.26	376	64	5	<10	0.83	3
5829383 (2279594)	<1	0.22	<2	19	4.91	1260	<0.5	1.84	108	61	1	<10	0.26	1
5829384 (2279595)	<1	0.22	<2	18	5.43	1320	<0.5	1.76	158	48	3	<10	0.56	<1
5829385 (2279596)	<1	0.13	<2	18	6.35	1560	<0.5	1.26	248	77	5	<10	0.71	<1
5829386 (2279597)	<1	0.14	<2	24	6.32	1970	<0.5	1.24	287	109	5	<10	0.50	2

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DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829315 (2279526)	37	<10	<5	198	<10	<10	<5	0.55	<5	9	269	<1	20	76.6
5829316 (2279527)	37	<10	<5	301	<10	<10	<5	0.52	<5	9	279	<1	20	71.2
5829317 (2279528)	39	<10	<5	116	<10	<10	<5	0.54	<5	9	223	<1	18	70.2
5829318 (2279529)	40	<10	<5	127	<10	<10	<5	0.54	<5	10	266	<1	19	86.7
5829319 (2279530)	39	<10	<5	113	<10	<10	<5	0.47	<5	9	255	<1	18	80.3
5829320 (2279531)	38	<10	<5	141	<10	<10	<5	0.46	<5	10	262	<1	18	78.0
5829321 (2279532)	37	<10	<5	160	<10	<10	<5	0.48	<5	9	248	<1	18	71.1
5829322 (2279533)	35	<10	<5	171	<10	<10	<5	0.46	<5	10	243	<1	17	78.1
5829323 (2279534)	34	<10	<5	223	<10	<10	<5	0.42	<5	9	230	<1	17	74.8
5829324 (2279535)	39	<10	<5	193	<10	<10	<5	0.49	<5	10	271	<1	19	79.3
5829325 (2279536)	27	<10	<5	238	<10	<10	<5	0.24	<5	9	146	<1	9	82.6
5829326 (2279537)	29	<10	<5	197	<10	<10	<5	0.31	<5	9	174	<1	15	80.4
5829327 (2279538)	22	<10	<5	151	<10	<10	<5	0.30	<5	11	162	<1	10	103
5829328 (2279539)	23	<10	<5	214	<10	<10	<5	0.20	<5	8	130	<1	8	85.9
5829329 (2279540)	26	<10	<5	186	<10	<10	<5	0.22	<5	8	132	<1	8	83.6
5829330 (2279541)	11	<10	<5	282	<10	<10	<5	0.61	<5	15	112	<1	11	115
5829331 (2279542)	24	<10	<5	201	<10	<10	<5	0.28	<5	9	157	<1	10	85.5
5829332 (2279543)	17	<10	<5	270	<10	<10	<5	0.17	<5	8	101	<1	7	59.9
5829333 (2279544)	18	<10	<5	211	<10	<10	<5	0.12	<5	9	88.3	<1	5	72.8
5829334 (2279545)	19	<10	<5	239	<10	<10	<5	0.14	<5	8	93.4	<1	5	69.0
5829335 (2279546)	24	<10	<5	104	<10	<10	<5	0.14	<5	10	110	<1	6	504
5829336 (2279547)	25	<10	<5	31	<10	<10	<5	0.18	<5	12	118	<1	6	124
5829337 (2279548)	20	<10	<5	167	<10	<10	<5	0.16	<5	13	111	<1	6	109
5829338 (2279549)	27	<10	<5	188	<10	<10	<5	0.40	<5	10	205	<1	14	88.8
5829339 (2279550)	25	<10	<5	185	<10	<10	<5	0.40	<5	9	181	<1	16	105
5829340 (2279551)	<1	<10	<5	118	<10	<10	<5	<0.01	<5	<5	1.5	<1	<1	15.1
5829341 (2279552)	24	<10	<5	140	<10	<10	<5	0.16	<5	9	123	<1	5	129
5829342 (2279553)	30	<10	<5	23	<10	<10	<5	0.13	<5	8	130	<1	4	105
5829343 (2279554)	30	<10	<5	20	<10	<10	<5	0.12	<5	9	121	<1	4	113
5829344 (2279555)	29	<10	<5	41	<10	<10	<5	0.10	<5	8	109	<1	3	108
5829345 (2279556)	31	<10	<5	16	<10	<10	<5	0.10	<5	8	112	<1	3	170
5829346 (2279557)	29	<10	<5	36	<10	<10	<5	0.10	<5	8	109	<1	3	142

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829347 (2279558)	28	<10	<5	64	<10	<10	<5	0.10	<5	9	107	<1	3	120
5829348 (2279559)	33	<10	<5	5	<10	<10	<5	0.11	<5	9	125	<1	3	109
5829349 (2279560)	36	<10	<5	13	<10	<10	<5	0.08	<5	10	134	<1	3	79.0
5829350 (2279561)	37	<10	<5	6	<10	<10	<5	0.11	<5	10	132	<1	3	88.3
5829351 (2279562)	34	<10	<5	5	<10	<10	<5	0.12	<5	10	133	<1	4	98.7
5829352 (2279563)	36	<10	<5	5	<10	<10	<5	0.11	<5	10	125	<1	3	145
5829353 (2279564)	33	<10	<5	45	<10	<10	<5	0.11	<5	9	112	<1	5	197
5829354 (2279565)	17	<10	<5	331	<10	<10	<5	0.11	<5	7	79.2	<1	3	62.4
5829355 (2279566)	26	<10	<5	350	<10	<10	<5	0.38	<5	10	157	<1	19	63.3
5829356 (2279567)	23	<10	<5	349	<10	<10	<5	0.37	<5	9	163	<1	17	92.6
5829357 (2279568)	7	<10	<5	71	<10	<10	<5	0.05	<5	<5	31.6	<1	3	54.7
5829358 (2279569)	36	<10	<5	8	<10	<10	<5	0.14	<5	10	135	<1	5	209
5829359 (2279570)	36	<10	<5	9	<10	<10	<5	0.16	<5	10	127	<1	7	307
5829360 (2279571)	11	<10	<5	271	<10	<10	<5	0.57	<5	14	110	1	11	120
5829361 (2279572)	41	<10	<5	30	<10	<10	<5	0.36	<5	12	350	<1	4	414
5829362 (2279573)	45	<10	<5	11	10	<10	<5	0.92	<5	15	626	2	5	1020
5829363 (2279574)	34	<10	<5	71	<10	<10	<5	0.47	<5	11	320	<1	12	374
5829364 (2279575)	21	<10	<5	156	<10	<10	<5	0.09	<5	9	90.4	<1	2	207
5829365 (2279576)	23	<10	<5	153	<10	<10	<5	0.08	<5	9	87.7	<1	3	155
5829366 (2279577)	26	<10	<5	180	<10	<10	<5	0.08	<5	9	91.9	<1	3	126
5829367 (2279578)	19	<10	<5	203	<10	<10	<5	0.07	<5	8	67.5	<1	2	105
5829368 (2279579)	21	<10	<5	215	<10	<10	<5	0.07	<5	8	64.1	<1	3	96.3
5829369 (2279580)	22	<10	<5	188	<10	<10	<5	0.13	<5	9	98.3	<1	6	120
5829370 (2279581)	<1	<10	<5	118	<10	<10	<5	<0.01	<5	<5	1.1	<1	<1	16.9
5829371 (2279582)	24	<10	<5	191	<10	<10	<5	0.11	<5	10	106	<1	4	179
5829372 (2279583)	26	<10	<5	214	<10	<10	<5	0.09	<5	9	98.9	<1	4	132
5829373 (2279584)	28	<10	<5	159	<10	<10	<5	0.15	<5	9	130	4	8	1510
5829374 (2279585)	30	<10	<5	163	<10	<10	<5	0.24	<5	8	146	4	12	1560
5829375 (2279586)	20	<10	<5	156	<10	<10	<5	0.09	<5	9	81.6	7	6	1910
5829376 (2279587)	19	<10	<5	227	<10	<10	<5	0.09	<5	8	79.1	<1	3	111
5829377 (2279588)	34	<10	<5	237	<10	<10	<5	0.11	<5	8	116	<1	5	95.2
5829378 (2279589)	28	<10	<5	172	<10	<10	<5	0.10	<5	8	100	<1	4	93.3

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829379 (2279590)	27	<10	<5	124	<10	<10	<5	0.19	<5	10	130	<1	7	127
5829380 (2279591)	20	<10	<5	177	<10	<10	<5	0.11	<5	9	84.6	<1	4	103
5829381 (2279592)	21	<10	<5	175	<10	<10	<5	0.12	<5	8	89.2	<1	4	103
5829382 (2279593)	24	<10	<5	101	<10	<10	<5	0.11	<5	11	95.2	<1	4	127
5829383 (2279594)	29	<10	<5	182	<10	<10	<5	0.12	<5	8	99.4	<1	5	90.4
5829384 (2279595)	31	<10	<5	171	<10	<10	<5	0.11	<5	9	110	<1	5	95.0
5829385 (2279596)	30	<10	<5	115	<10	<10	<5	0.14	<5	10	115	<1	5	107
5829386 (2279597)	30	<10	<5	135	<10	<10	<5	0.12	<5	10	135	<1	5	136

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AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829315 (2279526)	76
5829316 (2279527)	70
5829317 (2279528)	64
5829318 (2279529)	68
5829319 (2279530)	63
5829320 (2279531)	67
5829321 (2279532)	64
5829322 (2279533)	52
5829323 (2279534)	59
5829324 (2279535)	68
5829325 (2279536)	31
5829326 (2279537)	54
5829327 (2279538)	33
5829328 (2279539)	22
5829329 (2279540)	25
5829330 (2279541)	52
5829331 (2279542)	28
5829332 (2279543)	21
5829333 (2279544)	15
5829334 (2279545)	16
5829335 (2279546)	16
5829336 (2279547)	21
5829337 (2279548)	17
5829338 (2279549)	49
5829339 (2279550)	63
5829340 (2279551)	<5
5829341 (2279552)	20
5829342 (2279553)	16
5829343 (2279554)	13
5829344 (2279555)	12
5829345 (2279556)	14
5829346 (2279557)	13

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PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829347 (2279558)	16
5829348 (2279559)	14
5829349 (2279560)	16
5829350 (2279561)	11
5829351 (2279562)	13
5829352 (2279563)	11
5829353 (2279564)	17
5829354 (2279565)	24
5829355 (2279566)	63
5829356 (2279567)	59
5829357 (2279568)	11
5829358 (2279569)	18
5829359 (2279570)	28
5829360 (2279571)	53
5829361 (2279572)	13
5829362 (2279573)	13
5829363 (2279574)	37
5829364 (2279575)	8
5829365 (2279576)	8
5829366 (2279577)	7
5829367 (2279578)	6
5829368 (2279579)	6
5829369 (2279580)	14
5829370 (2279581)	<5
5829371 (2279582)	10
5829372 (2279583)	8
5829373 (2279584)	12
5829374 (2279585)	19
5829375 (2279586)	9
5829376 (2279587)	8
5829377 (2279588)	8
5829378 (2279589)	7

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PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829379 (2279590)	26
5829380 (2279591)	9
5829381 (2279592)	9
5829382 (2279593)	11
5829383 (2279594)	10
5829384 (2279595)	9
5829385 (2279596)	12
5829386 (2279597)	11

Comments: RDL - Reported Detection Limit

2279526-2279597 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829315 (2279526)	6	15	12
5829316 (2279527)	4	13	13
5829317 (2279528)	7	17	16
5829318 (2279529)	3	19	17
5829319 (2279530)	2	80	20
5829320 (2279531)	3	16	12
5829321 (2279532)	2	15	11
5829322 (2279533)	2	13	15
5829323 (2279534)	3	13	12
5829324 (2279535)	4	15	15
5829325 (2279536)	2	13	13
5829326 (2279537)	3	7	10
5829327 (2279538)	3	15	13
5829328 (2279539)	5	13	6
5829329 (2279540)	2	7	6
5829330 (2279541)	149	1320	658
5829331 (2279542)	5	7	<5
5829332 (2279543)	4	9	<5
5829333 (2279544)	2	10	6
5829334 (2279545)	3	8	9
5829335 (2279546)	3	11	6
5829336 (2279547)	2	15	19
5829337 (2279548)	28	443	99
5829338 (2279549)	20	150	43
5829339 (2279550)	7	9	16
5829340 (2279551)	1	<1	<5
5829341 (2279552)	4	54	41
5829342 (2279553)	22	232	89
5829343 (2279554)	125	591	157
5829344 (2279555)	48	426	129
5829345 (2279556)	46	356	135
5829346 (2279557)	78	943	333

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829347 (2279558)	117	1150	308
5829348 (2279559)	112	872	238
5829349 (2279560)	79	776	228
5829350 (2279561)	36	322	94
5829351 (2279562)	102	707	183
5829352 (2279563)	96	622	137
5829353 (2279564)	51	245	63
5829354 (2279565)	25	115	32
5829355 (2279566)	43	79	37
5829356 (2279567)	51	217	50
5829357 (2279568)	131	235	73
5829358 (2279569)	36	27	29
5829359 (2279570)	26	12	<5
5829360 (2279571)	158	1380	710
5829361 (2279572)	8	1	<5
5829362 (2279573)	139	6	<5
5829363 (2279574)	75	375	111
5829364 (2279575)	96	411	125
5829365 (2279576)	67	408	138
5829366 (2279577)	58	307	112
5829367 (2279578)	35	105	37
5829368 (2279579)	14	161	45
5829369 (2279580)	84	212	113
5829370 (2279581)	2	<1	<5
5829371 (2279582)	63	136	74
5829372 (2279583)	34	59	33
5829373 (2279584)	35	79	48
5829374 (2279585)	25	59	53
5829375 (2279586)	24	64	35
5829376 (2279587)	26	29	21
5829377 (2279588)	16	23	23
5829378 (2279589)	31	52	35

Certified By:

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AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829379 (2279590)	53	125	76
5829380 (2279591)	57	54	69
5829381 (2279592)	58	52	57
5829382 (2279593)	53	147	85
5829383 (2279594)	16	18	28
5829384 (2279595)	29	67	57
5829385 (2279596)	42	122	82
5829386 (2279597)	33	80	70

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
5829315 (2279526)	77.07
5829325 (2279536)	79.29
5829336 (2279547)	76.49
5829346 (2279557)	75.43
5829356 (2279567)	76.71
5829367 (2279578)	76.38
5829377 (2279588)	75.29

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

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AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 15, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
5829315 (2279526)	88.26
5829339 (2279550)	85.71
5829357 (2279568)	85.82
5829376 (2279587)	86.96

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2279526	< 0.5	< 0.5	0.0%	2279542	< 0.5	< 0.5	0.0%	2279552	< 0.5	< 0.5	0.0%	2279566	< 0.5	< 0.5	0.0%
Al	2279526	7.51	7.63	1.6%	2279542	9.03	8.68	4.0%	2279552	7.80	7.84	0.5%	2279566	8.77	8.88	1.2%
As	2279526	< 1	< 1	0.0%	2279542	< 1	< 1	0.0%	2279552	< 1	< 1	0.0%	2279566	< 1	< 1	0.0%
Ba	2279526	216	214	0.9%	2279542	140	141	0.7%	2279552	187	200	6.7%	2279566	122	126	3.2%
Be	2279526	1.0	1.0	0.0%	2279542	0.5	0.5	0.0%	2279552	< 0.5	< 0.5	0.0%	2279566	0.7	0.7	0.0%
Bi	2279526	< 1	< 1	0.0%	2279542	< 1	< 1	0.0%	2279552	< 1	< 1	0.0%	2279566	< 1	< 1	0.0%
Ca	2279526	5.89	5.89	0.0%	2279542	6.15	6.16	0.2%	2279552	4.55	4.64	2.0%	2279566	5.95	6.10	2.5%
Cd	2279526	< 0.5	< 0.5	0.0%	2279542	< 0.5	< 0.5	0.0%	2279552	< 0.5	< 0.5	0.0%	2279566	< 0.5	< 0.5	0.0%
Ce	2279526	29	29	0.0%	2279542	12	12	0.0%	2279552	6	6	0.0%	2279566	29	29	0.0%
Co	2279526	42.6	43.4	1.9%	2279542	59.7	59.3	0.7%	2279552	46.1	45.8	0.7%	2279566	37.2	36.1	3.0%
Cr	2279526	70.6	67.9	3.9%	2279542	79.3	80.5	1.5%	2279552	245	247	0.8%	2279566	46.7	49.1	5.0%
Cu	2279526	112	113	0.9%	2279542	60.4	57.5	4.9%	2279552	41.2	42.0	1.9%	2279566	566	578	2.1%
Fe	2279526	7.65	7.68	0.4%	2279542	6.65	6.69	0.6%	2279552	7.01	7.16	2.1%	2279566	6.45	6.61	2.5%
Ga	2279526	20	20	0.0%	2279542	18	18	0.0%	2279552	16	16	0.0%	2279566	20	20	0.0%
In	2279526	< 1	< 1	0.0%	2279542	< 1	< 1	0.0%	2279552	< 1	< 1	0.0%	2279566	< 1	< 1	0.0%
K	2279526	0.57	0.57	0.0%	2279542	0.550	0.532	3.3%	2279552	0.77	0.79	2.6%	2279566	0.52	0.53	1.9%
La	2279526	11	12	8.7%	2279542	5	5	0.0%	2279552	2	2	0.0%	2279566	13	13	0.0%
Li	2279526	16	17	6.1%	2279542	24	23	4.3%	2279552	37	38	2.7%	2279566	21	21	0.0%
Mg	2279526	3.37	3.44	2.1%	2279542	4.78	4.60	3.8%	2279552	6.66	6.68	0.3%	2279566	2.90	2.95	1.7%
Mn	2279526	1400	1420	1.4%	2279542	1150	1110	3.5%	2279552	1180	1190	0.8%	2279566	871	884	1.5%
Mo	2279526	< 0.5	< 0.5	0.0%	2279542	< 0.5	< 0.5	0.0%	2279552	< 0.5	< 0.5	0.0%	2279566	< 0.5	< 0.5	0.0%
Na	2279526	2.10	2.12	0.9%	2279542	1.37	1.37	0.0%	2279552	1.44	1.48	2.7%	2279566	1.55	1.58	1.9%
Ni	2279526	63.0	63.3	0.5%	2279542	197	196	0.5%	2279552	155	155	0.0%	2279566	95.8	95.4	0.4%
P	2279526	481	486	1.0%	2279542	224	226	0.9%	2279552	108	117	8.0%	2279566	541	532	1.7%
Pb	2279526	< 1	1		2279542	< 1	< 1	0.0%	2279552	3	4	28.6%	2279566	3	3	0.0%
Rb	2279526	15	14	6.9%	2279542	15	15	0.0%	2279552	29	30	3.4%	2279566	18	18	0.0%
S	2279526	0.09	0.09	0.0%	2279542	0.10	0.10	0.0%	2279552	0.095	0.098	3.1%	2279566	0.22	0.22	0.0%
Sb	2279526	< 1	< 1	0.0%	2279542	< 1	< 1	0.0%	2279552	< 1	< 1	0.0%	2279566	< 1	< 1	0.0%
Sc	2279526	37	38	2.7%	2279542	24	24	0.0%	2279552	24	24	0.0%	2279566	26	26	0.0%
Se	2279526	< 10	< 10	0.0%	2279542	< 10	< 10	0.0%	2279552	< 10	< 10	0.0%	2279566	< 10	< 10	0.0%
Sn	2279526	< 5	< 5	0.0%	2279542	< 5	< 5	0.0%	2279552	< 5	< 5	0.0%	2279566	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark, Des Cullen

Sr	2279526	198	197	0.5%	2279542	201	201	0.0%	2279552	140	144	2.8%	2279566	350	358	2.3%
Ta	2279526	< 10	< 10	0.0%	2279542	< 10	< 10	0.0%	2279552	< 10	< 10	0.0%	2279566	< 10	< 10	0.0%
Te	2279526	< 10	< 10	0.0%	2279542	< 10	< 10	0.0%	2279552	< 10	< 10	0.0%	2279566	< 10	< 10	0.0%
Th	2279526	< 5	< 5	0.0%	2279542	< 5	< 5	0.0%	2279552	< 5	< 5	0.0%	2279566	< 5	< 5	0.0%
Ti	2279526	0.55	0.53	3.7%	2279542	0.284	0.274	3.6%	2279552	0.161	0.176	8.9%	2279566	0.38	0.39	2.6%
Tl	2279526	< 5	< 5	0.0%	2279542	< 5	< 5	0.0%	2279552	< 5	< 5	0.0%	2279566	< 5	< 5	0.0%
U	2279526	9	10	10.5%	2279542	9	9	0.0%	2279552	9	10	10.5%	2279566	10	9	10.5%
V	2279526	269	267	0.7%	2279542	157	156	0.6%	2279552	123	129	4.8%	2279566	157	156	0.6%
W	2279526	< 1	< 1	0.0%	2279542	< 1	< 1	0.0%	2279552	< 1	< 1	0.0%	2279566	< 1	< 1	0.0%
Y	2279526	20	20	0.0%	2279542	10	10	0.0%	2279552	5	6	18.2%	2279566	19	19	0.0%
Zn	2279526	76.6	79.6	3.8%	2279542	85.5	84.8	0.8%	2279552	129	110	15.9%	2279566	63.3	63.6	0.5%
Zr	2279526	76	71	6.8%	2279542	28	30	6.9%	2279552	20	18	10.5%	2279566	63	70	10.5%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2279576	< 0.5	0.6		2279591	< 0.5	< 0.5	0.0%								
Al	2279576	8.28	8.31	0.4%	2279591	8.97	8.79	2.0%								
As	2279576	< 1	< 1	0.0%	2279591	< 1	< 1	0.0%								
Ba	2279576	75	74	1.3%	2279591	80	79	1.3%								
Be	2279576	< 0.5	< 0.5	0.0%	2279591	< 0.5	< 0.5	0.0%								
Bi	2279576	< 1	< 1	0.0%	2279591	< 1	< 1	0.0%								
Ca	2279576	5.63	5.71	1.4%	2279591	5.59	5.31	5.1%								
Cd	2279576	0.8	0.8	0.0%	2279591	0.54	0.57	5.4%								
Ce	2279576	2	1		2279591	3	3	0.0%								
Co	2279576	77.6	80.4	3.5%	2279591	56.4	57.9	2.6%								
Cr	2279576	142	143	0.7%	2279591	113	112	0.9%								
Cu	2279576	1170	1170	0.0%	2279591	917	883	3.8%								
Fe	2279576	7.45	7.54	1.2%	2279591	7.19	6.86	4.7%								
Ga	2279576	14	13	7.4%	2279591	16	15	6.5%								
In	2279576	< 1	< 1	0.0%	2279591	< 1	< 1	0.0%								
K	2279576	0.31	0.31	0.0%	2279591	0.350	0.344	1.7%								
La	2279576	< 2	< 2	0.0%	2279591	< 2	< 2	0.0%								
Li	2279576	31	31	0.0%	2279591	34	34	0.0%								
Mg	2279576	6.61	6.66	0.8%	2279591	5.48	5.35	2.4%								
Mn	2279576	1420	1430	0.7%	2279591	1270	1240	2.4%								

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ATTENTION TO: Garry Clark, Des Cullen

Mo	2279576	< 0.5	< 0.5	0.0%	2279591	< 0.5	< 0.5	0.0%								
Na	2279576	1.20	1.24	3.3%	2279591	1.76	1.68	4.7%								
Ni	2279576	493	499	1.2%	2279591	307	317	3.2%								
P	2279576	49	42	15.4%	2279591	74	74	0.0%								
Pb	2279576	4	5	22.2%	2279591	3	1									
Rb	2279576	< 10	< 10	0.0%	2279591	11	11	0.0%								
S	2279576	0.50	0.50	0.0%	2279591	0.39	0.37	5.3%								
Sb	2279576	3	1		2279591	< 1	< 1	0.0%								
Sc	2279576	23	24	4.3%	2279591	20	21	4.9%								
Se	2279576	< 10	< 10	0.0%	2279591	< 10	< 10	0.0%								
Sn	2279576	< 5	< 5	0.0%	2279591	< 5	< 5	0.0%								
Sr	2279576	153	155	1.3%	2279591	177	168	5.2%								
Ta	2279576	< 10	< 10	0.0%	2279591	< 10	< 10	0.0%								
Te	2279576	< 10	< 10	0.0%	2279591	< 10	< 10	0.0%								
Th	2279576	< 5	< 5	0.0%	2279591	< 5	< 5	0.0%								
Ti	2279576	0.08	0.08	0.0%	2279591	0.11	0.11	0.0%								
Tl	2279576	< 5	< 5	0.0%	2279591	< 5	< 5	0.0%								
U	2279576	9	9	0.0%	2279591	9	9	0.0%								
V	2279576	87.7	88.1	0.5%	2279591	84.6	85.4	0.9%								
W	2279576	< 1	< 1	0.0%	2279591	< 1	< 1	0.0%								
Y	2279576	3	3	0.0%	2279591	4	4	0.0%								
Zn	2279576	155	154	0.6%	2279591	103	98.2	4.8%								
Zr	2279576	8	8	0.0%	2279591	9	9	0.0%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2279526	6	8	28.6%	2279542	5	4	22.2%	2279552	4	5	22.2%	2279566	43	47	8.9%
Pd	2279526	15	13	14.3%	2279542	7	7	0.0%	2279552	54	69	24.4%	2279566	79	85	7.3%
Pt	2279526	12	12	0.0%	2279542	< 5	< 5	0.0%	2279552	41	54	27.4%	2279566	37	29	24.2%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2279576	67	62	7.8%	2279591	57	67	16.1%								
Pd	2279576	408	406	0.5%	2279591	54	53	1.9%								
Pt	2279576	138	140	1.4%	2279591	69	74	7.0%								

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.41	99%	90% - 110%	6.96	6.9	99%	90% - 110%	13.0	12.7	98%	90% - 110%	8.47	8.36	99%	90% - 110%
As	26	27	103%	90% - 110%	124	124	100%	90% - 110%					26	26	100%	90% - 110%
Ba	540	507	94%	90% - 110%	186	181	97%	90% - 110%	1305	1299	100%	90% - 110%	540	529	98%	90% - 110%
Be	4.0	3.4	85%	90% - 110%									4.0	3.1	79%	90% - 110%
Ca	0.907	0.857	94%	90% - 110%	4.01	3.72	93%	90% - 110%	1.42	1.33	94%	90% - 110%	0.907	0.862	95%	90% - 110%
Ce	98	102	105%	90% - 110%	24	23	95%	90% - 110%	58.24	60.1	103%	90% - 110%	98	102	104%	90% - 110%
Co	13	13	99%	90% - 110%	22.1	21.3	96%	90% - 110%					13	13	97%	90% - 110%
Cr	60.3	55.7	92%	90% - 110%									60.3	56.7	94%	90% - 110%
Cu	150	145	97%	90% - 110%	88.6	79.7	90%	90% - 110%	6.40	6.97	109%	90% - 110%	150	145	97%	90% - 110%
Fe	3.77	3.54	94%	90% - 110%	7.56	6.91	91%	90% - 110%	3.27	3.08	94%	90% - 110%	3.77	3.78	100%	90% - 110%
Ga									22.63	20.45	90%	90% - 110%				
K					2.021	2.122	105%	90% - 110%	3.69	4.03	109%	90% - 110%				
La	44	43	99%	90% - 110%					27.48	28.08	102%	90% - 110%	44	43	98%	90% - 110%
Li	47	48	101%	90% - 110%					64.95	70.58	109%	90% - 110%	47	51	109%	90% - 110%
Mg	1.10	1.05	96%	90% - 110%	2.412	2.275	94%	90% - 110%	0.223	0.233	105%	90% - 110%	1.10	1.06	97%	90% - 110%
Mn	780	725	93%	90% - 110%	1510	1370	91%	90% - 110%					780	747	96%	90% - 110%
Mo	14	14	100%	90% - 110%									14	14	102%	90% - 110%
Na	1.624	1.651	102%	90% - 110%	0.617	0.629	102%	90% - 110%	7.24	7.2	99%	90% - 110%	1.624	1.751	108%	90% - 110%
Ni	32	33	103%	90% - 110%	77.1	74.2	96%	90% - 110%					32	33	104%	90% - 110%
P	750	744	99%	90% - 110%	892	908	102%	90% - 110%					750	757	101%	90% - 110%
Pb	31	29	93%	90% - 110%									31	29	93%	90% - 110%
Rb	143	132	92%	90% - 110%					85.36	90.19	106%	90% - 110%	143	141	98%	90% - 110%
S					0.348	0.351	101%	90% - 110%								
Sc	12	12	101%	90% - 110%					2.76	2.23	81%	90% - 110%	12	12	103%	90% - 110%
Sr	144	143	99%	90% - 110%	92.8	86.7	93%	90% - 110%	312	312	100%	90% - 110%	144	149	103%	90% - 110%
Th	18.4	18.6	101%	90% - 110%									18.4	19.1	104%	90% - 110%
Ti	0.53	0.49	92%	90% - 110%					0.222	0.223	101%	90% - 110%	0.53	0.48	90%	90% - 110%
V	77	79	103%	90% - 110%									77	82	106%	90% - 110%
W	5	5	93%	90% - 110%									5	5	107%	90% - 110%
Y									25.32	25.14	99%	90% - 110%				
Zn	130	117	90%	90% - 110%	208	208	100%	90% - 110%	75.42	82.49	109%	90% - 110%	130	130	100%	90% - 110%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1915	101%	90% - 110%	1897	1931	102%	90% - 110%	1897	1872	99%	90% - 110%	1897	1927	102%	90% - 110%
Pd	1660	1709	103%	90% - 110%	1660	1691	102%	90% - 110%	1660	1703	103%	90% - 110%	1660	1791	108%	90% - 110%
Pt	223	229	103%	90% - 110%	223	238	107%	90% - 110%	223	224	100%	90% - 110%	223	237	106%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

ATTENTION TO: Garry Clark, Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T727152

PROJECT: East Bull

ATTENTION TO: Garry Clark, Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark, Des Cullen

PROJECT: East Bull

AGAT WORK ORDER: 21T727163

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: May 25, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829387 (2279780)	2.48
5829388 (2279781)	2.44
5829389 (2279782)	2.37
5829390 (2279783)	0.10
5829391 (2279784)	2.34
5829392 (2279785)	2.44
5829393 (2279786)	2.23
5829394 (2279787)	2.29
5829395 (2279788)	2.15
5829396 (2279789)	2.47
5829397 (2279790)	2.49
5829398 (2279791)	2.55
5829399 (2279792)	2.40
5829400 (2279793)	0.80
5829401 (2279794)	2.36
5829402 (2279795)	2.67
5829403 (2279796)	2.34
5829404 (2279797)	2.47
5829405 (2279798)	2.34
5829406 (2279799)	2.42
5829407 (2279800)	2.40
5829408 (2279801)	2.44
5829409 (2279802)	2.41
5829410 (2279803)	1.12
5829411 (2279804)	1.12
5829412 (2279805)	2.34
5829413 (2279806)	2.45
5829414 (2279807)	2.41
5829415 (2279808)	2.38
5829416 (2279809)	2.43
5829417 (2279810)	2.37

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829418 (2279811)	2.42
5829419 (2279812)	2.39
5829420 (2279813)	0.10
5829421 (2279814)	2.43
5829422 (2279815)	2.54
5829423 (2279816)	2.44
5829424 (2279817)	2.53
5829425 (2279818)	2.50
5829426 (2279819)	2.69
5829427 (2279820)	2.39
5829428 (2279821)	2.36
5829429 (2279822)	2.47
5829430 (2279823)	0.85
5829431 (2279824)	2.63
5829432 (2279825)	2.53
5829433 (2279826)	2.38
5829434 (2279827)	2.50
5829435 (2279828)	2.47
5829436 (2279829)	2.45
5829437 (2279830)	2.56
5829438 (2279831)	1.19
5829439 (2279832)	1.17
5829440 (2279833)	2.45
5829441 (2279834)	2.35
5829442 (2279835)	2.49
5829443 (2279836)	2.49
5829444 (2279837)	2.43
5829445 (2279838)	2.47
5829446 (2279839)	2.49
5829447 (2279840)	2.53
5829448 (2279841)	2.47

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829449 (2279842)	2.50
5829450 (2279843)	0.10
5829451 (2279844)	2.44
5829452 (2279845)	2.59
5829453 (2279846)	2.36
5829454 (2279847)	2.44
5829455 (2279848)	2.37
5829456 (2279849)	2.44
5829457 (2279850)	2.07
5829458 (2279851)	2.40

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829387 (2279780)	<0.5	8.52	<1	76	<0.5	<1	6.90	0.5	2	73.1	112	479	6.89	16
5829388 (2279781)	1.0	7.93	<1	81	<0.5	<1	5.29	1.4	2	296	91.0	2050	13.1	19
5829389 (2279782)	0.8	8.20	<1	82	<0.5	<1	6.46	0.8	18	63.8	89.0	811	8.24	18
5829390 (2279783)	3.6	6.68	<1	277	0.8	<1	3.92	0.8	27	179	257	7040	14.4	<5
5829391 (2279784)	0.6	8.03	<1	130	<0.5	<1	6.12	0.7	3	85.1	109	820	8.63	15
5829392 (2279785)	0.6	8.16	<1	92	<0.5	<1	5.88	0.8	11	70.1	101	1110	8.54	18
5829393 (2279786)	0.8	7.28	<1	60	<0.5	<1	5.75	1.0	9	87.3	113	1200	9.21	16
5829394 (2279787)	0.9	7.33	<1	50	<0.5	<1	5.51	0.9	11	78.3	106	1380	9.45	15
5829395 (2279788)	1.7	8.58	<1	71	<0.5	<1	6.19	1.2	4	97.9	97.8	2300	8.75	17
5829396 (2279789)	0.7	8.31	<1	98	<0.5	<1	7.12	0.8	4	74.8	86.9	957	7.68	17
5829397 (2279790)	0.6	7.56	<1	63	<0.5	<1	5.98	0.8	28	81.5	81.6	1230	9.07	19
5829398 (2279791)	1.5	6.21	<1	34	<0.5	<1	5.57	1.0	30	71.6	92.1	1970	11.2	20
5829399 (2279792)	1.7	5.46	<1	17	<0.5	<1	6.23	1.6	17	91.6	113	2910	12.0	18
5829400 (2279793)	<0.5	0.02	1	586	<0.5	<1	18.4	<0.5	<1	<0.5	4.2	<0.5	0.05	<5
5829401 (2279794)	<0.5	7.53	<1	74	<0.5	<1	7.02	0.7	2	70.6	82.5	986	9.32	17
5829402 (2279795)	<0.5	7.77	<1	57	<0.5	<1	7.49	0.5	<1	74.4	64.1	524	9.76	16
5829403 (2279796)	<0.5	7.66	<1	58	<0.5	<1	7.32	<0.5	<1	85.7	73.0	610	10.6	19
5829404 (2279797)	<0.5	7.26	<1	38	<0.5	<1	6.76	<0.5	<1	86.8	66.6	489	11.3	15
5829405 (2279798)	<0.5	7.88	<1	76	<0.5	<1	6.71	0.5	<1	70.5	74.5	476	10.1	18
5829406 (2279799)	<0.5	6.54	<1	64	<0.5	<1	6.32	0.7	13	84.5	84.2	741	10.5	18
5829407 (2279800)	0.6	7.41	<1	59	<0.5	<1	5.60	0.6	7	71.6	80.5	855	10.6	19
5829408 (2279801)	0.6	7.10	<1	36	<0.5	<1	6.18	0.8	12	74.0	71.0	929	10.9	20
5829409 (2279802)	<0.5	7.34	<1	19	<0.5	<1	6.42	0.8	<1	67.6	75.6	847	11.3	19
5829410 (2279803)	<0.5	7.62	<1	38	<0.5	<1	6.85	0.8	<1	98.3	89.3	857	10.3	18
5829411 (2279804)	0.5	7.67	<1	37	<0.5	<1	6.69	0.6	<1	91.3	101	814	10.0	17
5829412 (2279805)	<0.5	7.86	<1	41	<0.5	<1	7.32	0.6	<1	86.6	92.1	702	10.2	19
5829413 (2279806)	<0.5	7.72	<1	50	<0.5	<1	6.62	0.7	<1	82.4	87.9	722	10.6	17
5829414 (2279807)	<0.5	7.15	<1	57	<0.5	<1	7.63	0.5	<1	78.1	128	568	9.78	17
5829415 (2279808)	0.5	7.72	<1	38	<0.5	<1	7.50	0.7	<1	85.9	95.5	725	10.2	19
5829416 (2279809)	<0.5	7.94	<1	39	<0.5	<1	7.23	0.7	<1	63.7	107	563	8.86	16
5829417 (2279810)	<0.5	8.76	<1	61	<0.5	<1	8.09	<0.5	<1	55.9	91.0	242	8.17	19
5829418 (2279811)	<0.5	8.18	<1	42	<0.5	<1	7.86	0.5	1	59.7	106	360	8.15	18

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829419 (2279812)	<0.5	8.35	<1	54	<0.5	<1	8.03	<0.5	<1	56.3	99.8	371	7.90	16
5829420 (2279813)	4.3	6.56	<1	271	0.7	<1	3.81	0.9	27	180	256	7070	14.5	<5
5829421 (2279814)	<0.5	8.54	<1	58	<0.5	<1	7.39	<0.5	1	49.7	96.8	115	8.07	18
5829422 (2279815)	<0.5	8.15	<1	62	<0.5	<1	7.57	<0.5	<1	49.1	95.4	70.7	8.16	18
5829423 (2279816)	<0.5	8.10	<1	84	<0.5	<1	8.07	<0.5	1	56.6	96.5	450	8.11	18
5829424 (2279817)	<0.5	8.10	<1	54	<0.5	<1	7.88	<0.5	2	59.7	88.2	439	8.18	18
5829425 (2279818)	1.0	7.75	<1	50	<0.5	<1	7.87	0.7	2	88.0	84.6	1410	9.55	18
5829426 (2279819)	0.9	7.64	<1	75	<0.5	<1	7.82	0.6	1	86.6	102	1380	8.95	18
5829427 (2279820)	<0.5	8.11	<1	75	<0.5	<1	7.63	0.7	2	63.2	87.5	650	8.99	19
5829428 (2279821)	1.5	7.95	<1	80	<0.5	<1	7.07	0.6	2	81.4	99.0	991	9.44	18
5829429 (2279822)	<0.5	7.91	<1	40	<0.5	<1	7.35	0.6	2	81.1	89.7	1190	9.17	20
5829430 (2279823)	<0.5	0.03	<1	1980	<0.5	<1	18.5	<0.5	<1	<0.5	5.3	<0.5	0.04	<5
5829431 (2279824)	<0.5	8.17	<1	59	<0.5	<1	7.41	<0.5	2	61.3	93.9	503	8.21	19
5829432 (2279825)	<0.5	8.26	<1	66	<0.5	<1	7.72	<0.5	2	51.1	109	279	8.01	17
5829433 (2279826)	<0.5	7.75	<1	64	<0.5	<1	6.77	<0.5	2	40.6	93.0	168	7.52	18
5829434 (2279827)	<0.5	7.79	<1	51	<0.5	<1	7.52	0.5	2	54.6	85.7	373	8.12	18
5829435 (2279828)	<0.5	7.94	<1	24	<0.5	<1	7.08	<0.5	1	76.5	96.4	783	8.70	18
5829436 (2279829)	1.5	7.84	<1	27	<0.5	<1	6.75	0.6	2	71.2	102	1120	9.13	17
5829437 (2279830)	1.0	7.39	<1	38	<0.5	<1	7.88	0.8	1	75.4	112	1640	7.84	18
5829438 (2279831)	1.0	7.91	<1	46	<0.5	<1	7.88	0.8	3	80.4	137	1640	8.69	18
5829439 (2279832)	0.8	7.89	<1	45	<0.5	<1	7.92	0.9	2	87.5	93.8	1690	8.79	19
5829440 (2279833)	<0.5	8.11	<1	68	<0.5	<1	7.86	<0.5	2	64.3	91.9	802	7.74	17
5829441 (2279834)	<0.5	8.52	<1	99	<0.5	<1	7.21	<0.5	3	43.1	106	158	7.37	16
5829442 (2279835)	<0.5	8.17	<1	75	<0.5	<1	7.69	<0.5	3	49.6	101	247	7.10	17
5829443 (2279836)	<0.5	8.37	<1	79	<0.5	<1	7.30	0.8	3	48.5	81.9	113	7.72	17
5829444 (2279837)	<0.5	8.10	<1	185	<0.5	<1	7.69	<0.5	3	41.0	83.3	58.1	6.92	18
5829445 (2279838)	<0.5	8.12	<1	74	<0.5	<1	7.84	<0.5	3	48.9	99.9	116	7.28	18
5829446 (2279839)	<0.5	8.05	<1	85	<0.5	<1	7.54	<0.5	4	48.3	96.8	132	7.17	16
5829447 (2279840)	1.0	8.04	<1	139	<0.5	<1	7.67	1.0	3	61.8	102	1550	7.82	16
5829448 (2279841)	0.8	7.92	<1	68	<0.5	<1	7.70	1.1	4	64.2	94.0	1710	7.97	16
5829449 (2279842)	<0.5	8.09	<1	61	<0.5	<1	7.72	0.5	4	52.1	103	411	7.36	16
5829450 (2279843)	4.1	6.39	<1	279	0.7	<1	3.87	1.2	27	178	259	6920	14.2	<5

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829451 (2279844)	<0.5	7.92	<1	59	<0.5	<1	6.89	<0.5	6	46.1	84.9	182	7.57	16
5829452 (2279845)	<0.5	6.70	<1	35	<0.5	<1	5.68	<0.5	28	92.8	100	1090	8.92	18
5829453 (2279846)	<0.5	6.71	<1	51	0.6	<1	6.16	<0.5	32	40.9	113	220	7.04	17
5829454 (2279847)	<0.5	7.74	<1	129	<0.5	<1	7.27	<0.5	8	43.5	99.9	160	7.17	19
5829455 (2279848)	<0.5	8.12	<1	75	<0.5	<1	7.46	<0.5	4	47.9	105	182	7.18	17
5829456 (2279849)	<0.5	8.13	<1	95	<0.5	<1	7.38	<0.5	4	47.4	98.9	84.4	7.20	17
5829457 (2279850)	<0.5	8.31	<1	81	<0.5	<1	7.17	<0.5	3	48.5	70.5	293	7.53	18
5829458 (2279851)	<0.5	7.90	<1	120	<0.5	<1	7.38	<0.5	4	47.5	89.8	20.9	7.24	18

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829387 (2279780)	<1	0.26	<2	14	4.60	1150	4.3	1.73	191	34	3	<10	0.83	<1
5829388 (2279781)	<1	0.28	<2	19	4.58	1170	3.4	1.48	837	35	12	11	3.27	<1
5829389 (2279782)	<1	0.26	8	28	4.27	1350	3.1	1.95	182	343	5	<10	0.49	<1
5829390 (2279783)	<1	0.64	11	12	3.80	1180	4.0	1.84	9540	604	50	14	2.70	<1
5829391 (2279784)	<1	0.45	<2	23	5.48	1400	2.3	1.38	289	56	7	17	0.73	<1
5829392 (2279785)	<1	0.33	5	20	4.29	1290	3.4	1.52	300	204	6	13	0.70	<1
5829393 (2279786)	<1	0.20	4	19	5.06	1430	3.0	1.25	372	158	7	<10	0.77	<1
5829394 (2279787)	<1	0.13	4	17	4.77	1470	3.3	1.36	316	190	6	<10	0.59	<1
5829395 (2279788)	<1	0.25	<2	15	3.87	1290	2.9	2.00	389	69	6	<10	0.94	<1
5829396 (2279789)	<1	0.30	<2	13	3.80	1280	3.3	1.90	157	58	4	11	0.64	<1
5829397 (2279790)	<1	0.17	12	13	3.60	1360	4.1	1.97	185	451	5	<10	0.91	<1
5829398 (2279791)	<1	0.11	12	17	3.97	1690	4.1	1.03	308	520	7	<10	0.48	<1
5829399 (2279792)	<1	0.09	6	13	4.57	1810	3.5	0.68	409	289	9	<10	0.78	<1
5829400 (2279793)	<1	<0.01	3	6	12.7	422	<0.5	0.02	2.5	36	<1	<10	0.30	<1
5829401 (2279794)	<1	0.26	<2	12	4.13	1510	3.3	1.26	239	48	7	<10	0.79	<1
5829402 (2279795)	<1	0.22	<2	13	3.94	1500	2.6	1.72	149	16	4	<10	0.96	<1
5829403 (2279796)	<1	0.20	<2	17	3.92	1530	3.2	1.67	180	18	7	<10	1.19	<1
5829404 (2279797)	<1	0.18	<2	18	4.27	1650	1.3	1.70	180	20	6	<10	1.12	<1
5829405 (2279798)	<1	0.32	<2	15	3.94	1510	2.8	1.80	128	21	6	12	0.89	<1
5829406 (2279799)	<1	0.23	5	15	4.16	1550	2.5	1.19	174	222	7	<10	0.94	<1
5829407 (2279800)	<1	0.23	3	19	3.93	1470	2.3	1.87	241	107	5	<10	0.63	1
5829408 (2279801)	<1	0.12	4	18	4.07	1600	2.4	1.37	196	195	5	<10	0.76	<1
5829409 (2279802)	<1	0.08	<2	17	4.22	1620	2.6	1.56	235	27	6	<10	0.73	<1
5829410 (2279803)	<1	0.15	<2	14	3.62	1400	3.1	1.79	252	25	6	<10	1.17	<1
5829411 (2279804)	<1	0.15	<2	14	3.70	1430	4.7	1.77	245	21	5	<10	1.05	<1
5829412 (2279805)	<1	0.20	<2	16	3.94	1470	3.3	1.62	205	21	6	<10	0.97	<1
5829413 (2279806)	<1	0.20	<2	17	4.07	1520	3.4	1.61	210	20	6	<10	0.82	<1
5829414 (2279807)	<1	0.19	<2	11	4.09	1470	4.2	1.19	159	28	6	<10	0.89	<1
5829415 (2279808)	<1	0.15	<2	12	3.96	1480	3.5	1.44	194	22	6	<10	1.00	<1
5829416 (2279809)	<1	0.13	<2	13	3.89	1420	4.2	1.59	174	22	5	<10	0.53	<1
5829417 (2279810)	<1	0.28	<2	13	3.79	1350	3.2	1.58	131	33	1	12	0.34	<1
5829418 (2279811)	<1	0.13	<2	10	3.71	1340	3.9	1.29	126	31	3	<10	0.44	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829419 (2279812)	<1	0.21	<2	11	3.77	1340	3.9	1.40	136	32	3	<10	0.38	<1
5829420 (2279813)	<1	0.62	11	12	3.72	1150	4.3	1.79	9770	558	51	14	2.40	<1
5829421 (2279814)	<1	0.20	<2	12	3.69	1370	3.8	1.61	88.0	37	2	<10	0.23	<1
5829422 (2279815)	<1	0.18	<2	12	3.72	1400	3.3	1.35	85.5	36	1	<10	0.17	<1
5829423 (2279816)	<1	0.25	<2	13	3.57	1350	3.6	1.26	136	38	3	<10	0.39	<1
5829424 (2279817)	<1	0.17	<2	10	3.48	1360	3.4	1.32	121	45	2	<10	0.43	<1
5829425 (2279818)	<1	0.21	<2	12	3.59	1410	2.9	1.39	268	33	6	<10	0.92	<1
5829426 (2279819)	<1	0.28	<2	11	3.52	1370	3.6	1.30	277	40	7	12	0.88	<1
5829427 (2279820)	<1	0.30	<2	21	3.75	1440	2.7	1.29	154	35	12	12	0.45	<1
5829428 (2279821)	<1	0.28	<2	17	3.61	1420	3.0	1.45	225	42	6	11	0.64	<1
5829429 (2279822)	<1	0.24	<2	25	3.59	1380	3.0	1.41	232	37	5	11	0.64	<1
5829430 (2279823)	2	<0.01	2	5	11.9	431	0.7	0.02	<0.5	32	<1	<10	0.30	<1
5829431 (2279824)	<1	0.28	<2	15	3.71	1360	2.9	1.36	141	39	3	11	0.36	<1
5829432 (2279825)	<1	0.30	<2	15	3.85	1360	3.2	1.30	124	43	2	<10	0.26	<1
5829433 (2279826)	<1	0.25	<2	17	3.63	1300	3.6	1.42	84.4	43	2	<10	0.18	<1
5829434 (2279827)	<1	0.19	<2	18	3.56	1300	3.9	1.55	125	37	2	<10	0.37	<1
5829435 (2279828)	<1	0.09	<2	14	3.65	1330	2.9	1.77	175	39	4	<10	0.57	<1
5829436 (2279829)	<1	0.11	<2	20	3.88	1370	3.3	1.57	216	34	5	<10	0.54	<1
5829437 (2279830)	<1	0.13	<2	11	3.35	1250	4.0	1.08	223	40	6	<10	0.72	<1
5829438 (2279831)	<1	0.22	<2	15	3.59	1320	5.7	1.23	272	51	6	<10	0.87	<1
5829439 (2279832)	<1	0.21	<2	15	3.57	1310	2.4	1.21	280	58	5	<10	0.98	<1
5829440 (2279833)	<1	0.24	<2	12	3.56	1250	2.7	1.25	179	52	5	<10	0.59	<1
5829441 (2279834)	<1	0.33	<2	15	3.70	1270	3.3	1.56	86.9	48	1	11	0.23	<1
5829442 (2279835)	<1	0.27	<2	11	3.71	1270	2.4	1.46	113	52	2	<10	0.29	<1
5829443 (2279836)	<1	0.30	<2	20	3.89	1380	2.1	1.49	102	52	2	10	0.16	<1
5829444 (2279837)	<1	0.51	<2	17	3.55	1290	2.2	1.46	87.2	68	1	12	0.15	<1
5829445 (2279838)	<1	0.21	<2	12	3.75	1340	2.9	1.32	94.7	65	<1	<10	0.15	<1
5829446 (2279839)	<1	0.26	<2	13	3.69	1310	2.3	1.37	92.1	65	<1	<10	0.15	<1
5829447 (2279840)	<1	0.30	<2	11	3.64	1320	3.1	1.31	191	67	5	<10	0.51	<1
5829448 (2279841)	<1	0.22	<2	12	3.67	1340	2.5	1.30	205	66	3	<10	0.56	<1
5829449 (2279842)	<1	0.20	<2	12	3.61	1300	3.1	1.44	124	75	<1	<10	0.27	<1
5829450 (2279843)	<1	0.63	11	13	3.59	1100	4.1	1.85	9730	581	50	14	2.49	<1

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829451 (2279844)	<1	0.27	2	15	3.60	1320	2.5	1.73	99.3	114	<1	<10	0.16	<1
5829452 (2279845)	<1	0.12	11	14	3.46	1280	5.3	1.48	374	372	3	<10	0.67	<1
5829453 (2279846)	<1	0.14	14	13	3.60	1340	4.0	1.59	117	441	2	<10	0.16	<1
5829454 (2279847)	<1	0.40	3	14	3.51	1250	2.8	1.46	93.5	125	2	11	0.15	<1
5829455 (2279848)	<1	0.30	<2	14	3.56	1310	2.5	1.31	89.2	78	3	10	0.17	<1
5829456 (2279849)	<1	0.36	<2	15	3.55	1300	2.8	1.50	87.2	86	1	13	0.13	<1
5829457 (2279850)	<1	0.46	<2	17	3.73	1350	1.6	1.83	88.6	81	1	14	0.16	<1
5829458 (2279851)	<1	0.43	<2	16	3.54	1330	2.1	1.48	89.2	74	3	14	0.12	<1

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DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829387 (2279780)	39	<10	<5	209	<10	<10	<5	0.12	<5	5	128	<1	6	85.3
5829388 (2279781)	32	<10	<5	170	<10	15	<5	0.10	<5	8	130	<1	5	122
5829389 (2279782)	36	<10	<5	181	<10	<10	<5	0.41	<5	6	182	<1	15	116
5829390 (2279783)	12	<10	<5	289	<10	12	<5	0.60	<5	7	117	<1	12	121
5829391 (2279784)	35	<10	<5	181	<10	<10	<5	0.14	<5	6	139	<1	6	113
5829392 (2279785)	24	<10	<5	201	<10	11	<5	0.24	<5	6	119	<1	10	94.9
5829393 (2279786)	27	<10	<5	145	<10	<10	<5	0.19	<5	6	132	<1	9	112
5829394 (2279787)	28	<10	<5	150	<10	<10	<5	0.27	<5	6	189	<1	10	112
5829395 (2279788)	32	<10	<5	216	<10	11	<5	0.15	<5	7	140	<1	7	101
5829396 (2279789)	38	<10	<5	204	<10	<10	<5	0.15	<5	5	151	<1	8	81.2
5829397 (2279790)	36	<10	<5	178	<10	<10	<5	0.43	<5	5	206	<1	21	90.2
5829398 (2279791)	34	<10	<5	131	<10	<10	<5	0.65	<5	6	345	<1	23	118
5829399 (2279792)	40	<10	<5	116	<10	<10	<5	0.79	<5	7	522	<1	16	138
5829400 (2279793)	<1	<10	<5	129	<10	<10	<5	<0.01	<5	6	1.6	<1	<1	15.3
5829401 (2279794)	38	<10	<5	180	<10	11	<5	0.24	<5	6	241	<1	6	93.3
5829402 (2279795)	41	<10	<5	179	<10	<10	<5	0.27	<5	6	287	<1	5	86.8
5829403 (2279796)	39	<10	<5	154	<10	13	<5	0.29	<5	6	307	<1	5	88.4
5829404 (2279797)	37	<10	<5	111	<10	11	<5	0.29	<5	5	293	<1	5	98.8
5829405 (2279798)	39	<10	<5	163	<10	<10	<5	0.29	<5	6	291	<1	5	91.7
5829406 (2279799)	41	<10	<5	129	<10	<10	<5	0.43	<5	7	310	<1	13	96.6
5829407 (2279800)	32	<10	<5	130	<10	11	<5	0.18	<5	6	144	<1	10	106
5829408 (2279801)	38	<10	<5	133	<10	<10	<5	0.50	<5	7	369	<1	12	105
5829409 (2279802)	35	<10	<5	137	<10	11	<5	0.30	<5	5	294	<1	6	104
5829410 (2279803)	40	<10	<5	161	<10	11	<5	0.32	<5	7	308	<1	6	91.9
5829411 (2279804)	39	<10	<5	156	<10	11	<5	0.31	<5	6	299	<1	6	91.4
5829412 (2279805)	41	<10	<5	168	<10	12	<5	0.33	<5	7	315	<1	6	94.9
5829413 (2279806)	39	<10	<5	147	<10	<10	<5	0.33	<5	7	300	<1	6	99.2
5829414 (2279807)	41	<10	<5	155	<10	<10	<5	0.41	<5	6	349	<1	7	78.0
5829415 (2279808)	37	<10	<5	165	<10	<10	<5	0.32	<5	5	275	<1	6	87.8
5829416 (2279809)	38	<10	<5	162	<10	<10	<5	0.27	<5	7	242	<1	7	85.9
5829417 (2279810)	36	<10	<5	214	<10	<10	<5	0.28	<5	<5	235	<1	7	69.5
5829418 (2279811)	37	<10	<5	182	<10	11	<5	0.32	<5	6	261	<1	7	72.6

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829419 (2279812)	37	<10	<5	191	<10	<10	<5	0.29	<5	5	233	<1	7	71.6
5829420 (2279813)	12	<10	<5	284	<10	10	<5	0.59	<5	7	116	2	12	115
5829421 (2279814)	37	<10	<5	174	<10	<10	<5	0.30	<5	<5	239	<1	8	76.7
5829422 (2279815)	36	<10	<5	174	<10	<10	<5	0.32	<5	<5	260	<1	8	69.9
5829423 (2279816)	38	<10	<5	188	<10	<10	<5	0.35	<5	6	283	<1	8	67.3
5829424 (2279817)	38	<10	<5	193	<10	<10	<5	0.37	<5	6	291	<1	9	72.4
5829425 (2279818)	38	<10	<5	199	<10	<10	<5	0.36	<5	5	280	<1	8	90.6
5829426 (2279819)	39	<10	<5	194	<10	<10	<5	0.36	<5	6	286	1	9	79.6
5829427 (2279820)	37	<10	<5	187	<10	<10	<5	0.39	<5	5	300	<1	8	128
5829428 (2279821)	39	<10	<5	189	<10	<10	<5	0.35	<5	5	287	12	9	90.7
5829429 (2279822)	39	<10	<5	181	<10	11	<5	0.34	<5	6	282	<1	9	96.8
5829430 (2279823)	<1	<10	<5	128	<10	<10	<5	<0.01	<5	<5	1.0	<1	<1	8.4
5829431 (2279824)	39	<10	<5	194	<10	11	<5	0.34	<5	<5	276	<1	9	76.1
5829432 (2279825)	39	<10	<5	193	<10	<10	<5	0.35	<5	<5	276	<1	9	73.3
5829433 (2279826)	38	<10	<5	159	<10	<10	<5	0.31	<5	<5	263	<1	9	73.2
5829434 (2279827)	37	<10	<5	172	<10	<10	<5	0.31	<5	6	277	<1	8	81.7
5829435 (2279828)	37	<10	<5	169	<10	<10	<5	0.33	<5	5	277	<1	8	80.8
5829436 (2279829)	40	<10	<5	167	<10	<10	<5	0.35	<5	5	287	<1	9	90.0
5829437 (2279830)	37	<10	<5	198	<10	<10	<5	0.32	<5	<5	256	<1	8	77.3
5829438 (2279831)	37	<10	<5	205	<10	<10	<5	0.32	<5	<5	259	<1	9	81.4
5829439 (2279832)	37	<10	<5	206	<10	<10	<5	0.32	<5	<5	259	<1	9	85.9
5829440 (2279833)	38	<10	<5	195	<10	<10	<5	0.28	<5	6	243	<1	9	98.3
5829441 (2279834)	38	<10	<5	178	<10	<10	<5	0.28	<5	<5	229	<1	9	66.0
5829442 (2279835)	39	<10	<5	184	<10	<10	<5	0.28	<5	<5	240	<1	9	64.3
5829443 (2279836)	37	<10	<5	179	<10	<10	<5	0.30	<5	<5	243	<1	9	106
5829444 (2279837)	37	<10	<5	181	<10	<10	<5	0.30	<5	<5	246	<1	9	60.6
5829445 (2279838)	39	<10	<5	189	<10	<10	<5	0.32	<5	<5	257	<1	10	65.2
5829446 (2279839)	38	<10	<5	186	<10	11	<5	0.30	<5	<5	247	<1	10	69.5
5829447 (2279840)	38	<10	<5	200	<10	<10	<5	0.31	<5	<5	248	<1	9	85.0
5829448 (2279841)	39	<10	<5	206	<10	<10	<5	0.32	<5	<5	259	<1	10	89.5
5829449 (2279842)	38	<10	<5	197	<10	<10	<5	0.32	<5	<5	254	<1	10	75.4
5829450 (2279843)	12	<10	<5	298	<10	11	<5	0.58	<5	7	116	<1	12	111

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829451 (2279844)	38	<10	<5	162	<10	<10	<5	0.30	<5	6	237	<1	12	81.3
5829452 (2279845)	31	<10	<5	176	<10	<10	<5	0.41	<5	<5	161	<1	34	94.5
5829453 (2279846)	44	<10	<5	162	<10	12	<5	0.36	<5	<5	158	<1	38	77.5
5829454 (2279847)	38	<10	<5	188	<10	<10	<5	0.32	<5	<5	232	<1	14	75.0
5829455 (2279848)	37	<10	<5	195	<10	<10	<5	0.32	<5	<5	255	<1	10	68.7
5829456 (2279849)	38	<10	<5	208	<10	<10	<5	0.33	<5	<5	255	<1	11	73.8
5829457 (2279850)	37	<10	<5	184	<10	<10	<5	0.33	<5	<5	249	<1	10	77.8
5829458 (2279851)	38	<10	<5	203	<10	<10	<5	0.34	<5	<5	253	<1	11	70.8

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829387 (2279780)	9
5829388 (2279781)	12
5829389 (2279782)	54
5829390 (2279783)	61
5829391 (2279784)	11
5829392 (2279785)	26
5829393 (2279786)	24
5829394 (2279787)	29
5829395 (2279788)	13
5829396 (2279789)	12
5829397 (2279790)	65
5829398 (2279791)	83
5829399 (2279792)	43
5829400 (2279793)	<5
5829401 (2279794)	11
5829402 (2279795)	6
5829403 (2279796)	7
5829404 (2279797)	8
5829405 (2279798)	7
5829406 (2279799)	34
5829407 (2279800)	20
5829408 (2279801)	35
5829409 (2279802)	9
5829410 (2279803)	9
5829411 (2279804)	8
5829412 (2279805)	9
5829413 (2279806)	9
5829414 (2279807)	9
5829415 (2279808)	9
5829416 (2279809)	9
5829417 (2279810)	9
5829418 (2279811)	9

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829419 (2279812)	8
5829420 (2279813)	60
5829421 (2279814)	9
5829422 (2279815)	9
5829423 (2279816)	9
5829424 (2279817)	10
5829425 (2279818)	10
5829426 (2279819)	11
5829427 (2279820)	10
5829428 (2279821)	12
5829429 (2279822)	11
5829430 (2279823)	<5
5829431 (2279824)	10
5829432 (2279825)	10
5829433 (2279826)	10
5829434 (2279827)	10
5829435 (2279828)	10
5829436 (2279829)	11
5829437 (2279830)	10
5829438 (2279831)	13
5829439 (2279832)	12
5829440 (2279833)	11
5829441 (2279834)	12
5829442 (2279835)	12
5829443 (2279836)	12
5829444 (2279837)	12
5829445 (2279838)	13
5829446 (2279839)	14
5829447 (2279840)	13
5829448 (2279841)	14
5829449 (2279842)	14
5829450 (2279843)	56

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829451 (2279844)	18
5829452 (2279845)	48
5829453 (2279846)	53
5829454 (2279847)	21
5829455 (2279848)	15
5829456 (2279849)	15
5829457 (2279850)	15
5829458 (2279851)	14

Comments: RDL - Reported Detection Limit

2279780-2279851 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829387 (2279780)	39	37	42
5829388 (2279781)	45	74	43
5829389 (2279782)	31	47	47
5829390 (2279783)	158	1360	700
5829391 (2279784)	51	63	57
5829392 (2279785)	77	63	67
5829393 (2279786)	103	116	99
5829394 (2279787)	114	58	62
5829395 (2279788)	122	107	81
5829396 (2279789)	80	53	44
5829397 (2279790)	93	47	40
5829398 (2279791)	138	103	157
5829399 (2279792)	280	174	190
5829400 (2279793)	<1	<1	<5
5829401 (2279794)	206	78	98
5829402 (2279795)	77	47	49
5829403 (2279796)	141	42	38
5829404 (2279797)	113	45	42
5829405 (2279798)	105	50	47
5829406 (2279799)	76	39	44
5829407 (2279800)	177	56	50
5829408 (2279801)	155	66	45
5829409 (2279802)	158	80	63
5829410 (2279803)	119	79	64
5829411 (2279804)	172	80	67
5829412 (2279805)	82	69	58
5829413 (2279806)	119	58	45
5829414 (2279807)	77	46	40
5829415 (2279808)	144	64	51
5829416 (2279809)	103	71	59
5829417 (2279810)	44	49	50
5829418 (2279811)	41	48	32

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829419 (2279812)	38	44	36
5829420 (2279813)	143	1410	773
5829421 (2279814)	6	29	29
5829422 (2279815)	12	27	14
5829423 (2279816)	57	39	31
5829424 (2279817)	59	41	30
5829425 (2279818)	144	85	68
5829426 (2279819)	164	91	79
5829427 (2279820)	59	51	28
5829428 (2279821)	104	68	51
5829429 (2279822)	102	87	75
5829430 (2279823)	2	<1	<5
5829431 (2279824)	43	46	39
5829432 (2279825)	21	37	35
5829433 (2279826)	6	30	28
5829434 (2279827)	44	43	41
5829435 (2279828)	85	58	45
5829436 (2279829)	146	88	69
5829437 (2279830)	185	90	67
5829438 (2279831)	209	103	79
5829439 (2279832)	206	108	78
5829440 (2279833)	90	56	44
5829441 (2279834)	14	29	23
5829442 (2279835)	20	39	32
5829443 (2279836)	11	32	20
5829444 (2279837)	6	33	42
5829445 (2279838)	6	34	33
5829446 (2279839)	6	31	32
5829447 (2279840)	161	73	56
5829448 (2279841)	189	93	68
5829449 (2279842)	31	43	46
5829450 (2279843)	172	1360	720

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829451 (2279844)	18	32	28
5829452 (2279845)	76	77	99
5829453 (2279846)	26	41	45
5829454 (2279847)	9	33	26
5829455 (2279848)	8	32	30
5829456 (2279849)	8	32	30
5829457 (2279850)	7	35	33
5829458 (2279851)	3	34	32

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
5829387 (2279780)	78.13
5829397 (2279790)	76.69
5829407 (2279800)	77.88
5829417 (2279810)	78.39
5829427 (2279820)	76.94
5829437 (2279830)	78.29
5829447 (2279840)	78.29

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: May 25, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
5829387 (2279780)	87.4
5829397 (2279790)	86.4
5829407 (2279800)	85.9
5829417 (2279810)	88.6
5829427 (2279820)	88.6

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2279780	< 0.5	< 0.5	0.0%	2279795	< 0.5	< 0.5	0.0%	2279805	< 0.5	< 0.5	0.0%	2279820	< 0.5	< 0.5	0.0%
Al	2279780	8.52	8.54	0.2%	2279795	7.77	7.74	0.4%	2279805	7.86	7.69	2.2%	2279820	8.11	8.14	0.4%
As	2279780	< 1	< 1	0.0%	2279795	< 1	< 1	0.0%	2279805	< 1	< 1	0.0%	2279820	< 1	< 1	0.0%
Ba	2279780	76	81	6.4%	2279795	57	57	0.0%	2279805	41	41	0.0%	2279820	75	76	1.3%
Be	2279780	< 0.5	< 0.5	0.0%	2279795	< 0.5	< 0.5	0.0%	2279805	< 0.5	< 0.5	0.0%	2279820	< 0.5	< 0.5	0.0%
Bi	2279780	< 1	< 1	0.0%	2279795	< 1	< 1	0.0%	2279805	< 1	< 1	0.0%	2279820	< 1	< 1	0.0%
Ca	2279780	6.90	7.03	1.9%	2279795	7.49	7.17	4.4%	2279805	7.32	6.97	4.9%	2279820	7.63	7.56	0.9%
Cd	2279780	0.51	0.44	14.7%	2279795	0.5	0.4	22.2%	2279805	0.6	0.8	28.6%	2279820	0.7	0.7	0.0%
Ce	2279780	2	2	0.0%	2279795	< 1	< 1	0.0%	2279805	< 1	< 1	0.0%	2279820	2	2	0.0%
Co	2279780	73.1	73.4	0.4%	2279795	74.4	74.9	0.7%	2279805	86.6	85.1	1.7%	2279820	63.2	64.7	2.3%
Cr	2279780	112	96.1	15.3%	2279795	64.1	61.6	4.0%	2279805	92.1	92.4	0.3%	2279820	87.5	86.5	1.1%
Cu	2279780	479	475	0.8%	2279795	524	522	0.4%	2279805	702	731	4.0%	2279820	650	652	0.3%
Fe	2279780	6.89	7.09	2.9%	2279795	9.76	9.33	4.5%	2279805	10.2	10.0	2.0%	2279820	8.99	9.06	0.8%
Ga	2279780	16	17	6.1%	2279795	16	17	6.1%	2279805	19	16	17.1%	2279820	19	18	5.4%
In	2279780	< 1	< 1	0.0%	2279795	< 1	< 1	0.0%	2279805	< 1	< 1	0.0%	2279820	< 1	< 1	0.0%
K	2279780	0.26	0.27	3.8%	2279795	0.22	0.22	0.0%	2279805	0.20	0.20	0.0%	2279820	0.30	0.30	0.0%
La	2279780	< 2	< 2	0.0%	2279795	< 2	< 2	0.0%	2279805	< 2	< 2	0.0%	2279820	< 2	< 2	0.0%
Li	2279780	14	14	0.0%	2279795	13	13	0.0%	2279805	16	16	0.0%	2279820	21	21	0.0%
Mg	2279780	4.60	4.59	0.2%	2279795	3.94	3.88	1.5%	2279805	3.94	3.89	1.3%	2279820	3.75	3.77	0.5%
Mn	2279780	1150	1160	0.9%	2279795	1500	1480	1.3%	2279805	1470	1460	0.7%	2279820	1440	1440	0.0%
Mo	2279780	4.3	3.7	15.0%	2279795	2.6	2.4	8.0%	2279805	3.25	2.69	18.9%	2279820	2.70	2.79	3.3%
Na	2279780	1.73	1.73	0.0%	2279795	1.72	1.65	4.2%	2279805	1.62	1.58	2.5%	2279820	1.29	1.30	0.8%
Ni	2279780	191	190	0.5%	2279795	149	148	0.7%	2279805	205	211	2.9%	2279820	154	157	1.9%
P	2279780	34	39	13.7%	2279795	16	14	13.3%	2279805	21	20	4.9%	2279820	35	41	15.8%
Pb	2279780	3	4	28.6%	2279795	4	6		2279805	6	5	18.2%	2279820	12	11	8.7%
Rb	2279780	9	10	10.5%	2279795	< 10	< 10	0.0%	2279805	< 10	< 10	0.0%	2279820	12	12	0.0%
S	2279780	0.83	0.81	2.4%	2279795	0.96	0.95	1.0%	2279805	0.967	0.865	11.1%	2279820	0.45	0.45	0.0%
Sb	2279780	< 1	< 1	0.0%	2279795	< 1	< 1	0.0%	2279805	< 1	< 1	0.0%	2279820	< 1	< 1	0.0%
Sc	2279780	39	37	5.3%	2279795	41	40	2.5%	2279805	41	41	0.0%	2279820	37	38	2.7%
Se	2279780	< 10	< 10	0.0%	2279795	< 10	< 10	0.0%	2279805	< 10	< 10	0.0%	2279820	< 10	< 10	0.0%
Sn	2279780	< 5	< 5	0.0%	2279795	< 5	< 5	0.0%	2279805	< 5	< 5	0.0%	2279820	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sr	2279780	209	216	3.3%	2279795	179	172	4.0%	2279805	168	159	5.5%	2279820	187	185	1.1%
Ta	2279780	< 10	< 10	0.0%	2279795	< 10	< 10	0.0%	2279805	< 10	< 10	0.0%	2279820	< 10	< 10	0.0%
Te	2279780	9	11	20.0%	2279795	9	12	28.6%	2279805	12	10	18.2%	2279820	< 10	< 10	0.0%
Th	2279780	< 5	< 5	0.0%	2279795	< 5	< 5	0.0%	2279805	< 5	< 5	0.0%	2279820	< 5	< 5	0.0%
Ti	2279780	0.12	0.12	0.0%	2279795	0.27	0.27	0.0%	2279805	0.331	0.322	2.8%	2279820	0.389	0.397	2.0%
Tl	2279780	< 5	< 5	0.0%	2279795	< 5	< 5	0.0%	2279805	< 5	< 5	0.0%	2279820	< 5	< 5	0.0%
U	2279780	5	5	0.0%	2279795	6	6	0.0%	2279805	7	6	15.4%	2279820	5	5	0.0%
V	2279780	128	126	1.6%	2279795	287	283	1.4%	2279805	315	313	0.6%	2279820	300	303	1.0%
W	2279780	< 1	< 1	0.0%	2279795	< 1	< 1	0.0%	2279805	< 1	< 1	0.0%	2279820	< 1	< 1	0.0%
Y	2279780	6	6	0.0%	2279795	5	5	0.0%	2279805	6	6	0.0%	2279820	8	8	0.0%
Zn	2279780	85.3	85.1	0.2%	2279795	86.8	86.5	0.3%	2279805	94.9	92.5	2.6%	2279820	128	131	2.3%
Zr	2279780	9	12	28.6%	2279795	6	6	0.0%	2279805	9	9	0.0%	2279820	10	10	0.0%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	2279830	1.0	0.5		2279845	< 0.5	< 0.5	0.0%								
Al	2279830	7.39	7.63	3.2%	2279845	6.70	6.61	1.4%								
As	2279830	< 1	< 1	0.0%	2279845	< 1	< 1	0.0%								
Ba	2279830	38	45	16.9%	2279845	35	34	2.9%								
Be	2279830	< 0.5	< 0.5	0.0%	2279845	< 0.5	< 0.5	0.0%								
Bi	2279830	< 1	< 1	0.0%	2279845	< 1	< 1	0.0%								
Ca	2279830	7.88	8.00	1.5%	2279845	5.68	5.61	1.2%								
Cd	2279830	0.8	0.8	0.0%	2279845	< 0.5	< 0.5	0.0%								
Ce	2279830	1	2		2279845	28	29	3.5%								
Co	2279830	75.4	73.5	2.6%	2279845	92.8	93.2	0.4%								
Cr	2279830	112	135	18.6%	2279845	100	107	6.8%								
Cu	2279830	1640	1540	6.3%	2279845	1090	1070	1.9%								
Fe	2279830	7.84	7.94	1.3%	2279845	8.92	8.84	0.9%								
Ga	2279830	18	18	0.0%	2279845	18	19	5.4%								
In	2279830	< 1	< 1	0.0%	2279845	< 1	< 1	0.0%								
K	2279830	0.133	0.149	11.3%	2279845	0.12	0.12	0.0%								
La	2279830	< 2	< 2	0.0%	2279845	11	12	8.7%								
Li	2279830	11	12	8.7%	2279845	14	14	0.0%								
Mg	2279830	3.35	3.41	1.8%	2279845	3.46	3.43	0.9%								
Mn	2279830	1250	1270	1.6%	2279845	1280	1270	0.8%								

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ATTENTION TO: Garry Clark, Des Cullen

Mo	2279830	4.0	4.4	9.5%	2279845	5.28	4.81	9.3%								
Na	2279830	1.08	1.19	9.7%	2279845	1.48	1.45	2.0%								
Ni	2279830	223	217	2.7%	2279845	374	378	1.1%								
P	2279830	40	42	4.9%	2279845	372	371	0.3%								
Pb	2279830	6	5	18.2%	2279845	3	5									
Rb	2279830	< 10	< 10	0.0%	2279845	< 10	< 10	0.0%								
S	2279830	0.72	0.70	2.8%	2279845	0.67	0.69	2.9%								
Sb	2279830	< 1	< 1	0.0%	2279845	< 1	< 1	0.0%								
Sc	2279830	37	38	2.7%	2279845	31	31	0.0%								
Se	2279830	< 10	< 10	0.0%	2279845	< 10	< 10	0.0%								
Sn	2279830	< 5	< 5	0.0%	2279845	< 5	< 5	0.0%								
Sr	2279830	198	200	1.0%	2279845	176	173	1.7%								
Ta	2279830	< 10	< 10	0.0%	2279845	< 10	< 10	0.0%								
Te	2279830	< 10	< 10	0.0%	2279845	< 10	< 10	0.0%								
Th	2279830	< 5	< 5	0.0%	2279845	< 5	< 5	0.0%								
Ti	2279830	0.323	0.338	4.5%	2279845	0.41	0.41	0.0%								
Tl	2279830	< 5	< 5	0.0%	2279845	< 5	< 5	0.0%								
U	2279830	< 5	< 5	0.0%	2279845	4	5	22.2%								
V	2279830	256	262	2.3%	2279845	161	164	1.8%								
W	2279830	< 1	< 1	0.0%	2279845	< 1	< 1	0.0%								
Y	2279830	8	9	11.8%	2279845	34	34	0.0%								
Zn	2279830	77.3	79.6	2.9%	2279845	94.5	92.7	1.9%								
Zr	2279830	10	10	0.0%	2279845	48	45	6.5%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2279780	39	36	8.0%	2279795	77	72	6.7%	2279805	82	83	1.2%	2279820	59	55	7.0%
Pd	2279780	37	39	5.3%	2279795	47	47	0.0%	2279805	69	73	5.6%	2279820	51	50	2.0%
Pt	2279780	42	47	11.2%	2279795	49	52	5.9%	2279805	58	60	3.4%	2279820	28	32	13.3%
	REPLICATE #5				REPLICATE #6											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	2279830	185	156	17.0%	2279845	76	65	15.6%								
Pd	2279830	90	86	4.5%	2279845	77	78	1.3%								
Pt	2279830	67	64	4.6%	2279845	99	95	4.1%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.17	96%	90% - 110%	6.96	6.79	98%	90% - 110%	13.0	11.7	90%	90% - 110%	8.47	8.13	96%	90% - 110%
As	26	28	108%	90% - 110%	124	124	100%	90% - 110%					26	27	104%	90% - 110%
Ba	540	524	97%	90% - 110%	186	186	100%	90% - 110%	1305	1261	97%	90% - 110%	540	545	101%	90% - 110%
Be	4.0	3.4	85%	90% - 110%									4.0	3.3	83%	90% - 110%
Ca	0.907	0.87	96%	90% - 110%	4.01	3.77	94%	90% - 110%	1.42	1.29	91%	90% - 110%	0.907	0.878	97%	90% - 110%
Ce	98	103	106%	90% - 110%	24	23	94%	90% - 110%	58.24	57.89	99%	90% - 110%	98	103	105%	90% - 110%
Co	13	13	103%	90% - 110%	22.1	20.1	91%	90% - 110%					13	13	104%	90% - 110%
Cr	60.3	62.5	104%	90% - 110%									60.3	59.5	99%	90% - 110%
Cu	150	155	103%	90% - 110%	88.6	90	102%	90% - 110%	6.40	4.88	76%	90% - 110%	150	156	104%	90% - 110%
Fe	3.77	3.72	99%	90% - 110%	7.56	7.42	98%	90% - 110%	3.27	2.98	91%	90% - 110%	3.77	3.64	97%	90% - 110%
Ga									22.63	22.6	100%	90% - 110%				
K					2.021	2.028	100%	90% - 110%	3.69	3.56	96%	90% - 110%				
La	44	44	100%	90% - 110%					27.48	26.89	98%	90% - 110%	44	44	99%	90% - 110%
Li	47	49	105%	90% - 110%					64.95	65.5	101%	90% - 110%	47	50	106%	90% - 110%
Mg	1.10	1.05	95%	90% - 110%	2.412	2.274	94%	90% - 110%	0.223	0.205	92%	90% - 110%	1.10	1.03	93%	90% - 110%
Mn	780	765	98%	90% - 110%	1510	1466	97%	90% - 110%					780	746	96%	90% - 110%
Mo	14	14	101%	90% - 110%									14	13	96%	90% - 110%
Na	1.624	1.673	103%	90% - 110%	0.617	0.623	101%	90% - 110%	7.24	6.83	94%	90% - 110%	1.624	1.721	106%	90% - 110%
Ni	32	34	106%	90% - 110%	77.1	73.8	96%	90% - 110%					32	33	104%	90% - 110%
P	750	770	103%	90% - 110%	892	850	95%	90% - 110%					750	713	95%	90% - 110%
Pb	31	24	77%	90% - 110%									31	23	75%	90% - 110%
Rb	143	119	83%	90% - 110%					85.36	81.5	95%	90% - 110%	143	118	83%	90% - 110%
S					0.348	0.341	98%	90% - 110%								
Sc	12	12	104%	90% - 110%					2.76	2.16	78%	90% - 110%	12	13	104%	90% - 110%
Sr	144	150	104%	90% - 110%	92.8	90.4	97%	90% - 110%	312	306	98%	90% - 110%	144	157	109%	90% - 110%
Th	18.4	16.5	90%	90% - 110%									18.4	15.3	83%	90% - 110%
Ti	0.53	0.49	92%	90% - 110%					0.222	0.217	98%	90% - 110%	0.53	0.5	94%	90% - 110%
U	5.7	5.5	96%	90% - 110%									5.7	4.5	78%	90% - 110%
V	77	82	106%	90% - 110%									77	82	106%	90% - 110%
W	5	6	127%	90% - 110%									5	4	73%	90% - 110%
Y									25.32	25.13	99%	90% - 110%				

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Zn	130	126	97%	90% - 110%	208	212	102%	90% - 110%	75.42	75.71	100%	90% - 110%	130	119	92%	90% - 110%
(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)																
	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1825	96%	90% - 110%	1897	2037	107%	90% - 110%	1897	1727	91%	90% - 110%	1897	2014	106%	90% - 110%
Pd	1660	1679	101%	90% - 110%	1660	1691	102%	90% - 110%	1660	1566	94%	90% - 110%	1660	1746	105%	90% - 110%
Pt	223	221	99%	90% - 110%	223	241	108%	90% - 110%	223	215	96%	90% - 110%	223	247	110%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

ATTENTION TO: Garry Clark, Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T727163

PROJECT: East Bull

ATTENTION TO: Garry Clark, Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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ATTENTION TO: Garry Clark, Des Cullen

PROJECT: East Bull

AGAT WORK ORDER: 21T727173

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Apr 27, 2021

PAGES (INCLUDING COVER): 21

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829459 (2280099)	2.45
5829460 (2280100)	0.88
5829461 (2280101)	2.14
5829462 (2280102)	2.34
5829463 (2280103)	2.23
5829464 (2280104)	2.38
5829465 (2280105)	2.26
5829466 (2280106)	2.16
5829467 (2280107)	2.23
5829468 (2280108)	2.29
5829469 (2280109)	2.44
5829470 (2280110)	0.11
5829471 (2280111)	2.00
5829472 (2280112)	2.35
5829473 (2280113)	2.42
5829474 (2280114)	2.42
5829475 (2280115)	2.39
5829476 (2280116)	2.61
5829477 (2280117)	2.15
5829478 (2280118)	2.46
5829479 (2280119)	2.48
5829480 (2280120)	0.77
5829481 (2280121)	2.36
5829482 (2280122)	2.57
5829483 (2280123)	2.64
5829484 (2280124)	2.43
5829485 (2280125)	2.47
5829486 (2280126)	2.46
5829487 (2280127)	2.56
5829488 (2280128)	2.38
5829489 (2280129)	2.50

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(200-) Sample Login Weight

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
5829490 (2280130)	2.25

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
5829459 (2280099)	<0.5	8.40	<1	122	<0.5	<1	7.81	<0.5	3	46.1	155	21.7	7.61	13
5829460 (2280100)	<0.5	0.03	2	583	<0.5	<1	19.9	<0.5	<1	<0.5	13.3	<0.5	0.11	<5
5829461 (2280101)	<0.5	5.25	<1	11	<0.5	<1	0.18	<0.5	16	38.6	112	35.5	9.12	18
5829462 (2280102)	3.5	3.55	<1	8	0.5	<1	1.87	9.5	9	240	105	839	15.4	9
5829463 (2280103)	<0.5	5.35	2	23	1.4	<1	0.21	<0.5	9	16.2	103	<0.5	6.66	20
5829464 (2280104)	<0.5	7.03	<1	72	0.9	<1	4.40	<0.5	41	20.6	93.7	56.1	8.61	23
5829465 (2280105)	<0.5	6.74	<1	84	0.7	<1	3.53	<0.5	36	19.4	77.1	60.4	8.40	21
5829466 (2280106)	<0.5	6.78	<1	100	0.8	<1	4.13	<0.5	38	17.4	105	76.9	8.01	25
5829467 (2280107)	<0.5	6.89	<1	93	0.8	<1	3.90	<0.5	46	17.1	83.4	27.5	8.89	25
5829468 (2280108)	<0.5	6.97	<1	81	0.9	<1	3.90	<0.5	43	17.8	74.6	35.9	8.71	25
5829469 (2280109)	<0.5	7.04	<1	87	0.7	<1	3.87	<0.5	41	27.8	72.9	90.6	9.88	22
5829470 (2280110)	4.2	7.03	<1	287	0.5	<1	4.02	<0.5	26	156	282	6980	14.9	<5
5829471 (2280111)	<0.5	6.87	1	55	0.8	<1	3.23	<0.5	69	22.3	185	55.6	7.71	17
5829472 (2280112)	<0.5	6.78	1	60	0.7	<1	3.26	<0.5	45	16.5	73.1	49.4	8.86	23
5829473 (2280113)	<0.5	6.93	<1	55	<0.5	<1	5.26	<0.5	29	30.9	56.2	85.7	11.8	21
5829474 (2280114)	<0.5	7.03	<1	51	<0.5	<1	6.03	<0.5	22	37.4	51.7	60.9	13.0	19
5829475 (2280115)	1.1	7.76	<1	41	<0.5	<1	7.09	<0.5	20	113	56.2	1340	15.9	21
5829476 (2280116)	<0.5	7.17	<1	37	<0.5	<1	7.29	<0.5	8	51.9	65.4	218	14.7	14
5829477 (2280117)	<0.5	7.25	<1	64	<0.5	<1	6.35	<0.5	11	42.8	63.4	90.7	12.5	16
5829478 (2280118)	<0.5	6.92	<1	28	<0.5	<1	6.60	<0.5	9	50.3	62.2	215	12.8	16
5829479 (2280119)	<0.5	7.47	<1	29	<0.5	<1	7.06	<0.5	11	41.3	62.4	95.9	12.9	17
5829480 (2280120)	<0.5	0.04	3	1300	<0.5	<1	18.9	<0.5	<1	<0.5	14.1	<0.5	0.09	<5
5829481 (2280121)	<0.5	6.98	<1	44	<0.5	<1	5.78	<0.5	16	41.0	49.5	115	11.9	19
5829482 (2280122)	<0.5	7.23	<1	70	<0.5	<1	6.21	<0.5	12	44.1	42.7	118	14.9	18
5829483 (2280123)	0.7	6.95	<1	66	<0.5	<1	3.55	<0.5	17	55.1	52.1	339	16.9	20
5829484 (2280124)	0.9	6.45	<1	22	<0.5	<1	1.09	<0.5	34	33.8	98.7	62.3	10.8	24
5829485 (2280125)	<0.5	6.01	<1	88	<0.5	<1	1.40	<0.5	17	39.0	69.9	39.0	18.4	24
5829486 (2280126)	<0.5	5.69	<1	64	0.8	<1	2.65	<0.5	17	28.4	74.4	47.8	15.9	19
5829487 (2280127)	<0.5	6.05	<1	51	<0.5	<1	3.12	<0.5	27	24.3	111	16.5	12.9	21
5829488 (2280128)	0.5	6.20	<1	64	<0.5	<1	3.34	<0.5	36	42.1	73.9	160	15.3	17
5829489 (2280129)	<0.5	6.60	<1	77	<0.5	<1	4.40	<0.5	31	22.5	75.7	125	14.8	16
5829490 (2280130)	0.5	6.06	<1	67	<0.5	<1	1.72	<0.5	32	29.4	58.0	124	17.7	15

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish			
DATE SAMPLED: Mar 28, 2021	DATE RECEIVED: Mar 29, 2021	DATE REPORTED: Apr 27, 2021	SAMPLE TYPE: Drill Core

Certified By:

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
5829459 (2280099)	<1	0.47	<2	15	3.84	1400	2.1	1.55	82.7	82	<1	20	0.02	<1
5829460 (2280100)	2	<0.01	2	6	13.1	424	<0.5	0.02	<0.5	58	<1	<10	0.02	<1
5829461 (2280101)	<1	0.05	6	23	4.49	1090	6.3	0.05	50.9	271	5	<10	0.12	<1
5829462 (2280102)	<1	0.03	2	15	5.17	1180	3.8	0.05	858	224	938	<10	5.26	<1
5829463 (2280103)	<1	0.10	2	37	3.79	856	6.4	0.72	12.8	32	<1	<10	<0.01	<1
5829464 (2280104)	<1	0.18	17	18	2.10	1130	3.9	2.19	15.3	2030	<1	<10	0.17	<1
5829465 (2280105)	<1	0.20	14	17	1.58	1010	4.4	2.26	1.4	1620	1	<10	0.13	<1
5829466 (2280106)	<1	0.18	14	14	1.30	935	7.3	2.30	2.5	1740	<1	<10	0.13	<1
5829467 (2280107)	<1	0.19	17	17	1.32	948	5.1	2.50	5.4	2010	3	<10	0.06	<1
5829468 (2280108)	<1	0.21	16	18	1.62	1110	4.5	2.31	1.6	1950	<1	<10	0.14	<1
5829469 (2280109)	<1	0.24	15	23	2.25	1360	3.7	2.14	3.2	2190	2	12	0.38	<1
5829470 (2280110)	<1	0.68	11	14	3.93	1210	1.5	1.98	9810	598	36	22	2.72	<1
5829471 (2280111)	<1	0.14	30	21	2.57	1180	4.5	2.82	39.2	1220	1	<10	0.20	<1
5829472 (2280112)	<1	0.17	18	20	1.83	1100	4.2	2.47	6.5	1750	<1	<10	0.13	<1
5829473 (2280113)	<1	0.22	10	22	2.35	1620	2.1	1.99	14.7	1700	<1	<10	0.24	<1
5829474 (2280114)	<1	0.25	8	22	2.70	1940	0.6	1.72	21.8	1630	1	<10	0.18	<1
5829475 (2280115)	<1	0.26	7	23	3.09	2130	2.9	1.62	75.6	1130	3	11	0.95	<1
5829476 (2280116)	<1	0.29	2	24	3.44	2270	<0.5	1.24	41.9	684	2	10	0.19	<1
5829477 (2280117)	<1	0.30	3	28	3.40	2120	<0.5	1.52	29.4	561	<1	12	0.10	<1
5829478 (2280118)	<1	0.27	2	22	3.09	2100	<0.5	1.34	29.1	658	3	<10	0.24	<1
5829479 (2280119)	<1	0.30	3	22	3.19	2130	<0.5	1.37	27.4	729	2	10	0.09	<1
5829480 (2280120)	<1	0.01	2	13	12.7	395	0.6	0.03	0.6	47	1	<10	0.04	1
5829481 (2280121)	<1	0.29	5	18	2.63	2020	0.8	1.46	23.2	1160	<1	11	0.21	<1
5829482 (2280122)	<1	0.47	4	22	3.21	2350	<0.5	0.76	26.8	1370	<1	22	0.20	<1
5829483 (2280123)	<1	0.39	5	27	4.13	2470	2.7	0.31	33.3	635	2	25	0.62	<1
5829484 (2280124)	<1	0.07	11	29	3.18	1700	9.2	0.60	6.1	84	<1	<10	0.05	<1
5829485 (2280125)	<1	0.37	5	25	2.33	2510	3.5	0.03	0.9	1210	1	22	0.20	<1
5829486 (2280126)	<1	0.29	5	20	1.69	2360	3.3	0.09	1.3	1210	2	17	0.17	<1
5829487 (2280127)	<1	0.19	9	20	1.57	2390	6.5	0.03	1.6	1520	1	14	0.09	<1
5829488 (2280128)	<1	0.25	13	23	1.63	4040	3.7	0.10	0.6	1680	4	17	0.82	<1
5829489 (2280129)	<1	0.29	11	19	1.45	4190	4.3	0.12	1.0	1720	2	17	0.46	<1
5829490 (2280130)	<1	0.22	10	22	1.95	4680	2.5	0.47	<0.5	1660	3	16	0.45	<1

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish			
DATE SAMPLED: Mar 28, 2021	DATE RECEIVED: Mar 29, 2021	DATE REPORTED: Apr 27, 2021	SAMPLE TYPE: Drill Core

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
5829459 (2280099)	37	<10	<5	185	<10	<10	<5	0.33	<5	<5	238	2	10	67.9
5829460 (2280100)	<1	<10	<5	116	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	7.3
5829461 (2280101)	22	<10	<5	4	<10	<10	<5	0.27	<5	<5	113	<1	29	271
5829462 (2280102)	35	<10	<5	5	<10	<10	<5	0.26	<5	6	159	<1	29	2390
5829463 (2280103)	13	<10	<5	73	<10	<10	<5	0.14	<5	<5	23.6	<1	27	203
5829464 (2280104)	22	<10	<5	218	<10	11	<5	0.71	<5	<5	66.9	<1	59	143
5829465 (2280105)	21	<10	<5	186	<10	11	<5	0.74	<5	<5	57.7	<1	64	116
5829466 (2280106)	21	<10	<5	199	<10	10	<5	0.73	<5	<5	64.1	<1	68	101
5829467 (2280107)	22	<10	<5	194	<10	14	<5	0.84	<5	<5	80.6	1	75	110
5829468 (2280108)	24	<10	<5	147	<10	15	<5	0.83	<5	<5	83.6	<1	73	123
5829469 (2280109)	26	<10	<5	114	<10	11	<5	0.92	<5	<5	95.4	1	71	175
5829470 (2280110)	12	<10	<5	293	<10	<10	<5	0.59	<5	<5	113	3	12	120
5829471 (2280111)	18	<10	<5	91	<10	<10	<5	0.54	<5	<5	86.0	<1	63	170
5829472 (2280112)	22	<10	<5	145	<10	<10	<5	0.82	<5	<5	82.2	<1	70	142
5829473 (2280113)	34	<10	<5	125	<10	16	<5	1.19	<5	<5	281	1	63	169
5829474 (2280114)	39	<10	<5	108	<10	13	<5	1.26	<5	6	379	4	54	191
5829475 (2280115)	46	<10	<5	141	<10	14	<5	1.37	<5	8	436	1	45	241
5829476 (2280116)	53	<10	<5	124	<10	13	<5	1.30	<5	8	529	<1	30	225
5829477 (2280117)	43	<10	<5	127	<10	16	<5	1.14	<5	7	433	3	29	230
5829478 (2280118)	48	<10	<5	113	<10	13	<5	1.20	<5	8	474	<1	30	243
5829479 (2280119)	48	<10	<5	130	<10	15	<5	1.26	<5	7	483	<1	34	273
5829480 (2280120)	<1	<10	<5	126	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	14.4
5829481 (2280121)	39	<10	<5	140	<10	12	<5	1.13	<5	6	384	<1	38	350
5829482 (2280122)	44	<10	<5	133	<10	15	<5	1.28	<5	6	449	<1	39	481
5829483 (2280123)	45	<10	<5	74	<10	13	<5	1.22	<5	7	448	<1	44	714
5829484 (2280124)	18	<10	<5	78	<10	<10	<5	0.31	<5	<5	92.0	<1	74	568
5829485 (2280125)	26	<10	<5	48	<10	17	<5	1.03	<5	<5	87.3	<1	32	370
5829486 (2280126)	30	<10	<5	103	<10	13	<5	1.00	<5	<5	86.6	<1	35	300
5829487 (2280127)	31	<10	<5	190	<10	17	<5	1.02	<5	<5	89.4	<1	49	257
5829488 (2280128)	31	<10	<5	165	<10	17	<5	0.95	<5	<5	78.6	<1	64	351
5829489 (2280129)	34	<10	<5	241	<10	16	<5	1.12	<5	<5	94.5	<1	59	346
5829490 (2280130)	32	<10	<5	61	<10	13	<5	1.10	<5	<5	87.4	<1	55	488

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish			
DATE SAMPLED: Mar 28, 2021	DATE RECEIVED: Mar 29, 2021	DATE REPORTED: Apr 27, 2021	SAMPLE TYPE: Drill Core

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
5829459 (2280099)	13
5829460 (2280100)	<5
5829461 (2280101)	41
5829462 (2280102)	51
5829463 (2280103)	89
5829464 (2280104)	54
5829465 (2280105)	70
5829466 (2280106)	83
5829467 (2280107)	106
5829468 (2280108)	95
5829469 (2280109)	72
5829470 (2280110)	52
5829471 (2280111)	142
5829472 (2280112)	89
5829473 (2280113)	53
5829474 (2280114)	32
5829475 (2280115)	36
5829476 (2280116)	17
5829477 (2280117)	19
5829478 (2280118)	17
5829479 (2280119)	14
5829480 (2280120)	<5
5829481 (2280121)	20
5829482 (2280122)	11
5829483 (2280123)	93
5829484 (2280124)	195
5829485 (2280125)	35
5829486 (2280126)	37
5829487 (2280127)	54
5829488 (2280128)	64
5829489 (2280129)	53
5829490 (2280130)	49

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish			
DATE SAMPLED: Mar 28, 2021	DATE RECEIVED: Mar 29, 2021	DATE REPORTED: Apr 27, 2021	SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

2280099-2280130 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
5829459 (2280099)	4	33	36
5829460 (2280100)	1	<1	<5
5829461 (2280101)	<1	3	<5
5829462 (2280102)	7	50	23
5829463 (2280103)	<1	<1	<5
5829464 (2280104)	2	<1	<5
5829465 (2280105)	2	<1	<5
5829466 (2280106)	2	<1	<5
5829467 (2280107)	1	<1	<5
5829468 (2280108)	<1	<1	<5
5829469 (2280109)	1	<1	<5
5829470 (2280110)	143	1380	740
5829471 (2280111)	1	<1	<5
5829472 (2280112)	2	<1	<5
5829473 (2280113)	3	<1	<5
5829474 (2280114)	1	1	<5
5829475 (2280115)	42	<1	<5
5829476 (2280116)	8	<1	<5
5829477 (2280117)	6	3	<5
5829478 (2280118)	6	<1	<5
5829479 (2280119)	7	3	<5
5829480 (2280120)	1	<1	<5
5829481 (2280121)	4	<1	<5
5829482 (2280122)	4	<1	<5
5829483 (2280123)	51	<1	<5
5829484 (2280124)	68	3	<5
5829485 (2280125)	16	<1	<5
5829486 (2280126)	13	<1	<5
5829487 (2280127)	5	<1	<5
5829488 (2280128)	3	<1	<5
5829489 (2280129)	2	<1	<5
5829490 (2280130)	2	<1	<5

Certified By: Sherin Moussa

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)			
DATE SAMPLED: Mar 28, 2021	DATE RECEIVED: Mar 29, 2021	DATE REPORTED: Apr 27, 2021	SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sieving - % Passing (Crushing)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
5829459 (2280099)	77.62
5829469 (2280109)	75.98
5829475 (2280115)	76.01
5829485 (2280125)	77.52

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Mar 28, 2021 | DATE RECEIVED: Mar 29, 2021 | DATE REPORTED: Apr 27, 2021 | SAMPLE TYPE: Drill Core

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
5829459 (2280099)	88.24
5829476 (2280116)	88.65

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	2280099	< 0.5	< 0.5	0.0%	2280114	< 0.5	< 0.5	0.0%	2280124	0.9	0.9	0.0%				
Al	2280099	8.40	9.04	7.3%	2280114	7.03	6.94	1.3%	2280124	6.45	6.35	1.6%				
As	2280099	< 1	1		2280114	< 1	< 1	0.0%	2280124	< 1	< 1	0.0%				
Ba	2280099	122	133	8.6%	2280114	51	51	0.0%	2280124	22	23	4.4%				
Be	2280099	< 0.5	< 0.5	0.0%	2280114	< 0.5	< 0.5	0.0%	2280124	< 0.5	< 0.5	0.0%				
Bi	2280099	< 1	< 1	0.0%	2280114	< 1	< 1	0.0%	2280124	< 1	< 1	0.0%				
Ca	2280099	7.81	8.27	5.7%	2280114	6.03	5.95	1.3%	2280124	1.09	1.06	2.8%				
Cd	2280099	< 0.5	< 0.5	0.0%	2280114	< 0.5	< 0.5	0.0%	2280124	< 0.5	< 0.5	0.0%				
Ce	2280099	3	3	0.0%	2280114	22	23	4.4%	2280124	34	33	3.0%				
Co	2280099	46.1	48.1	4.2%	2280114	37.4	38.3	2.4%	2280124	33.8	31.0	8.6%				
Cr	2280099	155	125	21.4%	2280114	51.7	49.4	4.5%	2280124	98.7	87.4	12.1%				
Cu	2280099	21.7	23.0	5.8%	2280114	60.9	60.3	1.0%	2280124	62.3	60.4	3.1%				
Fe	2280099	7.61	8.07	5.9%	2280114	13.0	12.8	1.6%	2280124	10.8	10.3	4.7%				
Ga	2280099	13	14	7.4%	2280114	19	22	14.6%	2280124	24	21	13.3%				
In	2280099	< 1	< 1	0.0%	2280114	< 1	< 1	0.0%	2280124	< 1	< 1	0.0%				
K	2280099	0.47	0.51	8.2%	2280114	0.25	0.25	0.0%	2280124	0.07	0.07	0.0%				
La	2280099	< 2	< 2	0.0%	2280114	8	8	0.0%	2280124	11	11	0.0%				
Li	2280099	15	16	6.5%	2280114	22	22	0.0%	2280124	29	28	3.5%				
Mg	2280099	3.84	4.14	7.5%	2280114	2.70	2.65	1.9%	2280124	3.18	3.01	5.5%				
Mn	2280099	1400	1510	7.6%	2280114	1940	1910	1.6%	2280124	1700	1610	5.4%				
Mo	2280099	2.1	1.4	40.0%	2280114	0.6	0.8	28.6%	2280124	9.20	7.91	15.1%				
Na	2280099	1.55	1.67	7.5%	2280114	1.72	1.70	1.2%	2280124	0.60	0.70	15.4%				
Ni	2280099	82.7	84.5	2.2%	2280114	21.8	21.9	0.5%	2280124	6.06	5.80	4.4%				
P	2280099	82	76	7.6%	2280114	1630	1650	1.2%	2280124	84	80	4.9%				
Pb	2280099	< 1	< 1	0.0%	2280114	1	< 1		2280124	< 1	< 1	0.0%				
Rb	2280099	20	20	0.0%	2280114	< 10	< 10	0.0%	2280124	< 10	< 10	0.0%				
S	2280099	0.02	0.02	0.0%	2280114	0.18	0.18	0.0%	2280124	0.047	0.044	6.6%				
Sb	2280099	< 1	< 1	0.0%	2280114	< 1	< 1	0.0%	2280124	< 1	< 1	0.0%				
Sc	2280099	37	38	2.7%	2280114	39	40	2.5%	2280124	18	17	5.7%				
Se	2280099	< 10	< 10	0.0%	2280114	< 10	< 10	0.0%	2280124	< 10	< 10	0.0%				
Sn	2280099	< 5	< 5	0.0%	2280114	< 5	< 5	0.0%	2280124	< 5	< 5	0.0%				

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Sr	2280099	185	199	7.3%	2280114	108	107	0.9%	2280124	78	83	6.2%				
Ta	2280099	< 10	< 10	0.0%	2280114	< 10	< 10	0.0%	2280124	< 10	< 10	0.0%				
Te	2280099	< 10	< 10	0.0%	2280114	13	17	26.7%	2280124	< 10	< 10	0.0%				
Th	2280099	< 5	< 5	0.0%	2280114	< 5	< 5	0.0%	2280124	< 5	< 5	0.0%				
Ti	2280099	0.334	0.359	7.2%	2280114	1.26	1.28	1.6%	2280124	0.31	0.29	6.7%				
Tl	2280099	< 5	< 5	0.0%	2280114	< 5	< 5	0.0%	2280124	< 5	< 5	0.0%				
U	2280099	< 5	< 5	0.0%	2280114	6	6	0.0%	2280124	< 5	< 5	0.0%				
V	2280099	238	247	3.7%	2280114	379	395	4.1%	2280124	92.0	80.5	13.3%				
W	2280099	2	< 1		2280114	4	< 1		2280124	< 1	< 1	0.0%				
Y	2280099	10	10	0.0%	2280114	54	57	5.4%	2280124	74	70	5.6%				
Zn	2280099	67.9	70.6	3.9%	2280114	191	190	0.5%	2280124	568	562	1.1%				
Zr	2280099	13	12	8.0%	2280114	32	33	3.1%	2280124	195	181	7.4%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	2280099	4	4	0.0%	2280114	1	< 1		2280124	68	70	2.9%				
Pd	2280099	33	32	3.1%	2280114	1	< 1		2280124	3	2					
Pt	2280099	36	28	25.0%	2280114	< 5	< 5	0.0%	2280124	< 5	< 5	0.0%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	8.47	8.25	97%	90% - 110%	6.96	6.91	99%	90% - 110%								
As	26	26	101%	90% - 110%	124	127	102%	90% - 110%								
Ba	540	518	96%	90% - 110%	186	186	100%	90% - 110%								
Be	4.0	3.2	79%	90% - 110%												
Ca	0.907	0.866	96%	90% - 110%	4.01	3.83	96%	90% - 110%								
Ce	98	95	97%	90% - 110%	24	21	89%	90% - 110%								
Co	13	13	97%	90% - 110%	22.1	20.7	94%	90% - 110%								
Cr	60.3	64.6	107%	90% - 110%												
Cu	150	156	104%	90% - 110%	88.6	88.7	100%	90% - 110%								
Fe	3.77	3.69	98%	90% - 110%	7.56	7.4	98%	90% - 110%								
K					2.021	2.09	103%	90% - 110%								
La	44	45	101%	90% - 110%												
Li	47	49	105%	90% - 110%												
Mg	1.10	1.04	95%	90% - 110%	2.412	2.303	95%	90% - 110%								
Mn	780	776	100%	90% - 110%	1510	1474	98%	90% - 110%								
Mo	14	13	91%	90% - 110%												
Na	1.624	1.707	105%	90% - 110%	0.617	0.648	105%	90% - 110%								
Ni	32	32	101%	90% - 110%	77.1	71	92%	90% - 110%								
P	750	746	100%	90% - 110%	892	900	101%	90% - 110%								
Pb	31	25	80%	90% - 110%												
Rb	143	148	103%	90% - 110%												
S					0.348	0.337	97%	90% - 110%								
Sc	12	12	99%	90% - 110%												
Sr	144	147	102%	90% - 110%	92.8	88.7	96%	90% - 110%								
Ti	0.53	0.46	88%	90% - 110%												
V	77	77	100%	90% - 110%												
W	5	5	96%	90% - 110%												
Zn	130	125	96%	90% - 110%	208	213	102%	90% - 110%								

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark, Des Cullen

Au	1897	2032	107%	90% - 110%	1897	2059	109%	90% - 110%								
Pd	1660	1761	106%	90% - 110%	1660	1804	109%	90% - 110%								
Pt	223	240	107%	90% - 110%	223	233	104%	90% - 110%								

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

ATTENTION TO: Garry Clark, Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T727173

PROJECT: East Bull

ATTENTION TO: Garry Clark, Des Cullen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT:

AGAT WORK ORDER: 21T740588

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 27, 2021

PAGES (INCLUDING COVER): 21

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829491 (2409216)	2.33
E5829492 (2409217)	2.51
E5829493 (2409218)	2.41
E5829494 (2409219)	1.99
E5829495 (2409220)	1.96
E5829496 (2409221)	2.32
E5829497 (2409222)	2.28
E5829498 (2409223)	2.31
E5829499 (2409224)	1.95
E5829500 (2409225)	0.10
E5829501 (2409226)	2.39
E5829502 (2409227)	2.25
E5829503 (2409228)	2.20
E5829504 (2409229)	2.39
E5829505 (2409230)	2.37
E5829506 (2409231)	2.44
E5829507 (2409232)	2.48
E5829508 (2409233)	2.25
E5829509 (2409234)	2.35
E5829510 (2409235)	0.8
E5829511 (2409236)	2.44
E5829512 (2409237)	2.34
E5829513 (2409238)	2.39
E5829514 (2409239)	2.14
E5829515 (2409240)	2.39
E5829516 (2409241)	2.45
E5829517 (2409242)	2.33
E5829518 (2409243)	2.30
E5829519 (2409244)	1.86
E5829520 (2409245)	2.11
E5829521 (2409246)	1.05

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829522 (2409247)	0.93
E5829523 (2409248)	2.38
E5829524 (2409249)	2.27
E5829525 (2409250)	2.36
E5829526 (2409251)	2.33
E5829527 (2409252)	1.88
E5829528 (2409253)	1.28
E5829529 (2409254)	1.02
E5829530 (2409255)	0.91
E5829531 (2409256)	1.24
E5829532 (2409257)	2.06
E5829533 (2409258)	2.30
E5829534 (2409259)	2.26
E5829535 (2409260)	2.40
E5829536 (2409261)	2.42
E5829537 (2409262)	2.38
E5829538 (2409263)	2.60
E5829539 (2409264)	2.37
E5829540 (2409265)	0.10

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829491 (2409216)	<0.5	6.74	<1	72	0.8	<1	6.56	<0.5	38	40.0	64.9	146	11.3	20
E5829492 (2409217)	<0.5	6.85	<1	88	0.6	<1	5.89	<0.5	38	42.7	63.7	254	11.2	21
E5829493 (2409218)	<0.5	7.06	<1	102	0.6	<1	6.08	<0.5	37	67.2	57.4	665	12.9	22
E5829494 (2409219)	1.3	6.74	<1	106	0.7	<1	6.81	10.1	47	41.8	65.0	334	9.99	22
E5829495 (2409220)	0.8	6.82	<1	170	0.7	<1	6.86	13.2	43	28.6	59.5	225	9.45	23
E5829496 (2409221)	4.4	6.76	<1	123	0.7	<1	6.55	38.7	46	47.2	59.4	224	9.07	22
E5829497 (2409222)	1.6	6.96	<1	80	0.6	<1	6.06	9.8	40	37.4	55.3	142	10.4	22
E5829498 (2409223)	3.2	7.80	<1	106	<0.5	<1	4.66	25.8	29	76.7	41.2	1000	8.72	22
E5829499 (2409224)	<0.5	8.87	<1	433	<0.5	<1	4.11	1.6	24	55.3	28.2	714	7.07	18
E5829500 (2409225)	3.9	6.83	<1	278	<0.5	<1	3.72	0.5	28	144	243	6460	12.3	17
E5829501 (2409226)	<0.5	8.49	<1	170	<0.5	<1	5.17	<0.5	21	36.4	28.3	112	7.36	18
E5829502 (2409227)	<0.5	7.47	<1	58	<0.5	<1	5.77	<0.5	20	45.6	33.6	113	8.68	18
E5829503 (2409228)	<0.5	8.43	<1	63	<0.5	<1	6.20	<0.5	23	42.1	43.1	150	7.79	20
E5829504 (2409229)	<0.5	8.31	<1	45	<0.5	<1	6.70	<0.5	20	41.0	48.1	66.4	8.04	20
E5829505 (2409230)	<0.5	8.50	<1	44	<0.5	<1	6.86	<0.5	19	69.0	42.0	1750	7.49	21
E5829506 (2409231)	<0.5	8.48	<1	39	<0.5	<1	7.49	<0.5	18	36.4	40.8	132	6.85	19
E5829507 (2409232)	<0.5	8.30	<1	45	<0.5	<1	6.44	<0.5	20	40.7	46.3	87.5	7.96	20
E5829508 (2409233)	<0.5	8.15	<1	150	<0.5	<1	5.90	<0.5	21	39.4	42.9	50.5	7.79	19
E5829509 (2409234)	<0.5	10.6	<1	206	<0.5	<1	6.96	<0.5	13	33.7	49.8	67.6	5.67	18
E5829510 (2409235)	<0.5	0.03	<1	1480	<0.5	<1	17.8	<0.5	<1	<0.5	2.3	<0.5	0.03	<5
E5829511 (2409236)	<0.5	10.2	<1	207	<0.5	<1	6.77	<0.5	12	42.5	53.7	67.2	6.11	18
E5829512 (2409237)	<0.5	10.9	<1	238	<0.5	<1	7.08	<0.5	13	31.6	47.8	53.3	5.15	19
E5829513 (2409238)	<0.5	9.07	<1	201	<0.5	<1	6.16	<0.5	9	59.8	38.2	89.6	7.51	15
E5829514 (2409239)	<0.5	8.62	2	219	<0.5	<1	5.04	<0.5	9	71.1	25.7	69.8	8.30	17
E5829515 (2409240)	<0.5	7.11	<1	198	<0.5	<1	6.24	<0.5	12	53.3	78.0	26.7	6.92	14
E5829516 (2409241)	<0.5	8.95	<1	212	<0.5	<1	5.67	<0.5	16	48.6	70.3	46.9	6.70	17
E5829517 (2409242)	<0.5	9.09	<1	146	<0.5	<1	4.74	<0.5	13	64.8	69.7	15.1	8.02	17
E5829518 (2409243)	<0.5	8.82	<1	125	<0.5	<1	4.88	<0.5	10	72.2	67.7	27.6	8.58	16
E5829519 (2409244)	<0.5	9.59	<1	139	<0.5	<1	4.54	<0.5	12	53.5	37.4	20.8	7.06	17
E5829520 (2409245)	<0.5	9.70	<1	176	<0.5	<1	5.43	<0.5	11	42.2	143	27.0	5.68	16
E5829521 (2409246)	<0.5	10.1	<1	199	<0.5	<1	6.76	<0.5	11	32.6	212	36.5	4.87	16
E5829522 (2409247)	<0.5	10.4	<1	195	<0.5	<1	6.77	<0.5	11	33.1	203	44.7	5.05	16

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829523 (2409248)	<0.5	10.2	1	170	<0.5	<1	6.39	<0.5	7	38.6	204	44.1	5.10	15
E5829524 (2409249)	<0.5	10.1	<1	189	<0.5	<1	6.60	<0.5	12	37.2	197	45.2	5.10	17
E5829525 (2409250)	<0.5	10.2	<1	209	<0.5	<1	6.50	<0.5	11	32.9	245	28.7	5.10	17
E5829526 (2409251)	<0.5	10.1	<1	158	<0.5	<1	6.97	<0.5	10	40.3	106	54.1	5.21	17
E5829527 (2409252)	<0.5	5.61	<1	97	1.0	<1	0.23	<0.5	2	13.0	42.6	11.4	6.90	19
E5829528 (2409253)	<0.5	5.07	<1	21	1.6	<1	2.19	<0.5	5	14.5	86.5	24.2	6.41	17
E5829529 (2409254)	30.2	4.58	<1	22	1.1	<1	2.39	<0.5	14	20.9	77.3	125	7.56	18
E5829530 (2409255)	<0.5	8.25	1	158	0.6	<1	3.24	<0.5	10	48.0	170	300	7.10	18
E5829531 (2409256)	<0.5	8.08	<1	108	0.6	<1	3.79	<0.5	5	58.0	186	157	7.99	18
E5829532 (2409257)	<0.5	9.60	42	105	0.9	<1	4.61	<0.5	20	84.4	156	243	10.5	25
E5829533 (2409258)	<0.5	7.00	<1	119	<0.5	<1	4.71	<0.5	7	54.6	182	357	9.34	18
E5829534 (2409259)	<0.5	7.88	<1	131	0.5	<1	5.65	<0.5	6	52.4	239	186	8.72	22
E5829535 (2409260)	<0.5	9.11	<1	115	0.6	<1	5.80	<0.5	2	37.8	154	154	7.25	20
E5829536 (2409261)	<0.5	9.06	<1	105	0.6	<1	5.48	<0.5	3	48.2	169	155	7.35	19
E5829537 (2409262)	<0.5	8.13	<1	98	1.4	<1	8.39	<0.5	4	42.9	202	216	7.46	28
E5829538 (2409263)	<0.5	9.98	<1	82	1.7	<1	9.72	<0.5	4	26.8	114	111	6.03	42
E5829539 (2409264)	<0.5	10.3	<1	123	1.4	<1	6.51	<0.5	8	31.7	125	247	6.20	30
E5829540 (2409265)	3.6	6.60	<1	274	0.9	<1	3.98	1.4	25	151	240	6810	13.0	17

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829491 (2409216)	<1	0.30	14	17	3.14	1670	2.8	1.66	42.3	1280	17	<10	0.14	<1
E5829492 (2409217)	<1	0.29	13	17	3.17	1680	3.1	1.68	43.2	1270	6	<10	0.24	<1
E5829493 (2409218)	<1	0.30	13	24	3.34	1670	1.6	1.80	81.2	1260	36	<10	0.94	<1
E5829494 (2409219)	<1	0.43	18	20	2.80	1350	3.5	1.80	44.8	1200	59	<10	0.60	<1
E5829495 (2409220)	<1	0.59	16	16	2.80	1370	2.2	1.81	42.4	1110	518	11	0.42	<1
E5829496 (2409221)	<1	0.62	17	18	2.92	1330	3.6	2.10	53.4	1330	775	<10	0.77	<1
E5829497 (2409222)	<1	0.35	14	23	3.18	1460	2.0	2.20	45.6	1160	416	<10	0.47	<1
E5829498 (2409223)	<1	0.93	10	34	3.29	1210	4.3	2.57	61.4	949	579	<10	0.50	<1
E5829499 (2409224)	<1	1.60	9	29	2.83	990	3.0	3.34	53.6	358	<1	32	0.11	<1
E5829500 (2409225)	<1	0.65	11	13	3.86	1120	3.5	1.90	9110	650	12	14	2.86	<1
E5829501 (2409226)	<1	0.50	8	17	3.10	1190	1.9	3.71	52.1	352	<1	13	0.08	<1
E5829502 (2409227)	<1	0.34	7	24	4.10	1410	1.6	2.55	64.1	263	<1	<10	0.05	<1
E5829503 (2409228)	<1	0.52	9	24	3.71	1250	1.7	2.55	65.5	422	<1	15	0.02	<1
E5829504 (2409229)	<1	0.43	8	25	4.01	1300	2.1	2.37	68.8	313	<1	10	<0.01	<1
E5829505 (2409230)	<1	0.56	8	41	3.91	1190	1.2	2.06	84.9	369	<1	14	0.17	<1
E5829506 (2409231)	<1	0.58	8	43	3.75	1150	1.4	2.22	58.6	317	<1	14	0.02	<1
E5829507 (2409232)	<1	0.47	8	33	4.02	1310	1.6	2.37	66.4	319	<1	13	<0.01	<1
E5829508 (2409233)	<1	1.13	8	35	3.98	1290	1.5	2.20	66.0	301	<1	33	<0.01	<1
E5829509 (2409234)	<1	0.68	6	18	3.23	992	1.9	1.94	93.0	224	<1	18	0.01	<1
E5829510 (2409235)	2	0.03	<2	17	12.5	390	<0.5	0.04	<0.5	35	<1	<10	0.04	<1
E5829511 (2409236)	<1	0.66	5	21	3.45	1020	2.4	1.88	138	201	<1	17	0.03	<1
E5829512 (2409237)	<1	0.66	5	19	3.16	877	2.7	2.21	93.3	248	<1	16	<0.01	<1
E5829513 (2409238)	<1	0.46	4	30	5.04	1280	1.8	1.56	207	142	<1	12	0.04	<1
E5829514 (2409239)	<1	0.66	5	45	5.86	1430	1.0	1.56	270	189	<1	20	0.01	<1
E5829515 (2409240)	<1	0.53	5	27	4.62	1210	3.3	1.56	190	221	<1	<10	<0.01	<1
E5829516 (2409241)	<1	0.71	7	38	4.82	1120	<0.5	1.83	150	287	<1	19	<0.01	1
E5829517 (2409242)	<1	0.78	6	57	5.90	1230	<0.5	1.67	215	180	<1	20	0.01	2
E5829518 (2409243)	<1	0.55	4	52	6.46	1360	<0.5	1.45	298	190	<1	16	<0.01	1
E5829519 (2409244)	<1	0.88	5	75	5.56	1090	<0.5	1.76	171	183	<1	21	0.01	<1
E5829520 (2409245)	<1	0.77	4	46	4.70	969	<0.5	2.09	142	209	<1	22	<0.01	<1
E5829521 (2409246)	<1	0.94	4	40	4.25	922	<0.5	2.12	101	201	<1	25	<0.01	<1
E5829522 (2409247)	<1	0.98	4	45	4.33	939	<0.5	2.12	103	205	<1	26	<0.01	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829523 (2409248)	<1	0.89	<2	42	4.30	947	<0.5	1.92	136	113	2	19	0.03	<1
E5829524 (2409249)	<1	0.85	4	39	4.40	980	<0.5	1.98	114	230	2	23	0.03	<1
E5829525 (2409250)	<1	0.90	3	34	4.28	1010	<0.5	2.14	109	221	<1	27	<0.01	<1
E5829526 (2409251)	<1	0.78	5	37	4.08	930	<0.5	2.13	142	166	<1	23	0.05	2
E5829527 (2409252)	<1	0.29	<2	56	4.78	745	<0.5	0.03	15.8	14	<1	<10	<0.01	3
E5829528 (2409253)	<1	0.12	2	62	3.58	539	<0.5	0.02	35.4	<10	1	<10	<0.01	2
E5829529 (2409254)	<1	0.12	7	56	4.01	833	<0.5	0.03	51.0	309	<1	<10	<0.01	<1
E5829530 (2409255)	<1	0.92	5	51	5.47	1230	<0.5	1.93	196	45	<1	29	0.08	1
E5829531 (2409256)	<1	0.54	2	44	5.61	1390	<0.5	1.67	154	57	<1	17	0.20	3
E5829532 (2409257)	<1	0.25	10	49	4.76	1510	0.5	2.14	181	255	2	<10	0.16	<1
E5829533 (2409258)	<1	0.29	4	33	6.22	1720	<0.5	1.42	291	148	<1	10	0.08	2
E5829534 (2409259)	<1	0.35	3	35	6.40	1660	<0.5	1.36	277	138	<1	11	0.06	<1
E5829535 (2409260)	<1	0.35	<2	30	5.08	1370	<0.5	2.20	135	74	<1	10	0.07	1
E5829536 (2409261)	<1	0.29	<2	30	5.37	1410	<0.5	2.22	140	102	<1	<10	0.15	2
E5829537 (2409262)	<1	0.38	<2	22	5.04	1440	<0.5	1.18	190	125	<1	13	0.23	<1
E5829538 (2409263)	<1	0.29	<2	17	3.36	1140	<0.5	1.57	111	183	<1	<10	0.09	<1
E5829539 (2409264)	<1	0.37	4	24	3.72	1080	<0.5	2.56	110	222	<1	12	0.12	<1
E5829540 (2409265)	<1	0.63	12	12	3.84	1130	3.4	1.88	9780	560	18	13	2.81	<1

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AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829491 (2409216)	42	<10	<5	172	<10	<10	<5	1.29	<5	<5	415	<1	42	222
E5829492 (2409217)	43	<10	<5	150	<10	<10	<5	1.24	<5	<5	429	<1	43	179
E5829493 (2409218)	42	<10	<5	153	<10	<10	<5	1.29	<5	<5	415	<1	42	266
E5829494 (2409219)	41	<10	<5	405	<10	<10	<5	1.18	<5	<5	413	<1	44	2140
E5829495 (2409220)	42	<10	<5	410	<10	<10	<5	1.14	<5	<5	417	<1	42	2750
E5829496 (2409221)	43	<10	<5	282	<10	<10	<5	1.23	<5	<5	420	<1	44	6760
E5829497 (2409222)	43	<10	<5	169	<10	<10	<5	1.21	<5	<5	422	<1	45	1770
E5829498 (2409223)	38	<10	<5	164	<10	<10	<5	0.95	<5	<5	373	<1	32	3880
E5829499 (2409224)	31	<10	<5	175	<10	<10	<5	0.43	<5	<5	246	<1	15	205
E5829500 (2409225)	11	<10	6	290	<10	<10	<5	0.59	<5	<5	109	10	11	111
E5829501 (2409226)	34	<10	<5	184	<10	<10	<5	0.40	<5	<5	252	<1	15	77.7
E5829502 (2409227)	43	<10	<5	161	<10	<10	<5	0.44	<5	<5	287	<1	16	87.0
E5829503 (2409228)	39	<10	<5	241	<10	<10	<5	0.40	<5	<5	238	<1	16	68.0
E5829504 (2409229)	41	<10	<5	233	<10	<10	<5	0.44	<5	<5	246	<1	16	68.3
E5829505 (2409230)	37	<10	<5	181	<10	<10	<5	0.35	<5	<5	219	<1	14	63.1
E5829506 (2409231)	34	<10	<5	153	<10	<10	<5	0.34	<5	<5	217	<1	14	58.1
E5829507 (2409232)	38	<10	<5	201	<10	<10	<5	0.37	<5	<5	233	<1	15	65.6
E5829508 (2409233)	38	<10	<5	199	<10	<10	<5	0.36	<5	<5	231	<1	16	61.4
E5829509 (2409234)	23	<10	<5	305	<10	<10	<5	0.26	<5	<5	139	<1	10	60.0
E5829510 (2409235)	<1	<10	<5	153	<10	<10	<5	<0.01	<5	<5	2.0	<1	<1	10.5
E5829511 (2409236)	21	<10	<5	305	<10	<10	<5	0.24	<5	<5	136	<1	8	60.7
E5829512 (2409237)	23	<10	<5	347	<10	<10	<5	0.29	<5	<5	157	<1	9	60.1
E5829513 (2409238)	22	<10	<5	221	<10	<10	<5	0.21	<5	<5	133	<1	7	79.9
E5829514 (2409239)	20	<10	<5	176	<10	<10	<5	0.22	<5	<5	122	<1	7	85.4
E5829515 (2409240)	20	<10	<5	170	<10	<10	<5	0.23	<5	<5	130	<1	9	73.0
E5829516 (2409241)	25	<10	<5	246	<10	<10	<5	0.26	<5	<5	143	<1	11	74.6
E5829517 (2409242)	24	<10	<5	224	<10	<10	<5	0.20	<5	<5	130	<1	9	92.4
E5829518 (2409243)	18	<10	<5	173	<10	<10	<5	0.22	<5	<5	115	<1	7	112
E5829519 (2409244)	16	<10	<5	211	<10	<10	<5	0.23	<5	<5	109	<1	9	67.9
E5829520 (2409245)	23	<10	<5	273	<10	<10	<5	0.21	<5	<5	126	<1	8	60.7
E5829521 (2409246)	26	<10	<5	399	<10	<10	<5	0.20	<5	<5	128	<1	8	67.0
E5829522 (2409247)	27	<10	<5	399	<10	<10	<5	0.21	<5	<5	136	<1	9	68.1

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829523 (2409248)	24	<10	<5	370	<10	<10	<5	0.16	<5	<5	116	<1	6	65.4
E5829524 (2409249)	30	<10	<5	322	<10	<10	<5	0.22	<5	<5	152	<1	9	72.0
E5829525 (2409250)	30	<10	<5	304	<10	<10	<5	0.23	<5	<5	156	<1	9	61.3
E5829526 (2409251)	21	<10	<5	271	<10	<10	<5	0.19	<5	<5	124	<1	8	75.7
E5829527 (2409252)	14	<10	<5	4	<10	<10	<5	0.07	<5	<5	55.7	<1	5	140
E5829528 (2409253)	18	<10	<5	9	<10	<10	<5	0.10	<5	<5	85.9	<1	11	77.4
E5829529 (2409254)	23	<10	<5	11	<10	<10	<5	0.30	<5	<5	151	246	17	100
E5829530 (2409255)	20	<10	<5	181	<10	<10	<5	0.13	<5	<5	86.1	<1	8	87.1
E5829531 (2409256)	23	<10	<5	165	<10	<10	<5	0.12	<5	<5	80.6	<1	6	101
E5829532 (2409257)	24	<10	<5	298	<10	<10	<5	0.58	<5	<5	227	<1	15	136
E5829533 (2409258)	25	<10	<5	146	<10	<10	<5	0.22	<5	<5	114	<1	7	138
E5829534 (2409259)	26	<10	<5	364	<10	<10	<5	0.42	<5	<5	221	<1	3	123
E5829535 (2409260)	24	<10	<5	334	<10	<10	<5	0.38	<5	<5	194	<1	4	109
E5829536 (2409261)	25	<10	<5	280	<10	<10	<5	0.35	<5	<5	195	<1	3	114
E5829537 (2409262)	35	<10	<5	551	<10	<10	<5	0.38	<5	<5	217	<1	11	98.6
E5829538 (2409263)	20	<10	<5	777	<10	<10	<5	0.26	<5	<5	208	<1	7	86.2
E5829539 (2409264)	21	<10	<5	525	<10	<10	<5	0.38	<5	<5	191	<1	5	86.0
E5829540 (2409265)	12	<10	6	284	<10	<10	<5	0.61	<5	<5	112	12	11	119

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AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829491 (2409216)	108
E5829492 (2409217)	110
E5829493 (2409218)	107
E5829494 (2409219)	99
E5829495 (2409220)	93
E5829496 (2409221)	95
E5829497 (2409222)	108
E5829498 (2409223)	79
E5829499 (2409224)	40
E5829500 (2409225)	52
E5829501 (2409226)	35
E5829502 (2409227)	30
E5829503 (2409228)	42
E5829504 (2409229)	36
E5829505 (2409230)	26
E5829506 (2409231)	32
E5829507 (2409232)	37
E5829508 (2409233)	35
E5829509 (2409234)	25
E5829510 (2409235)	<5
E5829511 (2409236)	25
E5829512 (2409237)	23
E5829513 (2409238)	13
E5829514 (2409239)	14
E5829515 (2409240)	18
E5829516 (2409241)	30
E5829517 (2409242)	21
E5829518 (2409243)	17
E5829519 (2409244)	23
E5829520 (2409245)	19
E5829521 (2409246)	21
E5829522 (2409247)	22

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740588
PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829523 (2409248)	15
E5829524 (2409249)	25
E5829525 (2409250)	24
E5829526 (2409251)	19
E5829527 (2409252)	51
E5829528 (2409253)	38
E5829529 (2409254)	49
E5829530 (2409255)	17
E5829531 (2409256)	7
E5829532 (2409257)	32
E5829533 (2409258)	17
E5829534 (2409259)	6
E5829535 (2409260)	<5
E5829536 (2409261)	<5
E5829537 (2409262)	9
E5829538 (2409263)	9
E5829539 (2409264)	<5
E5829540 (2409265)	45

Comments: RDL - Reported Detection Limit
2409216-2409265 As, Sb values may be low due to digestion losses.
Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829491 (2409216)	3	<1	<5
E5829492 (2409217)	3	<1	<5
E5829493 (2409218)	2	<1	<5
E5829494 (2409219)	3	<1	<5
E5829495 (2409220)	3	<1	<5
E5829496 (2409221)	2	<1	<5
E5829497 (2409222)	2	<1	<5
E5829498 (2409223)	1	10	<5
E5829499 (2409224)	2	18	12
E5829500 (2409225)	142	1359	647
E5829501 (2409226)	3	12	9
E5829502 (2409227)	3	10	6
E5829503 (2409228)	3	28	21
E5829504 (2409229)	2	10	15
E5829505 (2409230)	5	17	5
E5829506 (2409231)	2	14	15
E5829507 (2409232)	2	15	13
E5829508 (2409233)	2	18	15
E5829509 (2409234)	4	4	<5
E5829510 (2409235)	<1	<1	<5
E5829511 (2409236)	3	6	<5
E5829512 (2409237)	4	11	6
E5829513 (2409238)	6	7	<5
E5829514 (2409239)	5	7	6
E5829515 (2409240)	2	4	<5
E5829516 (2409241)	2	5	<5
E5829517 (2409242)	3	23	11
E5829518 (2409243)	4	23	9
E5829519 (2409244)	4	7	<5
E5829520 (2409245)	3	14	<5
E5829521 (2409246)	3	5	<5
E5829522 (2409247)	3	6	<5

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829523 (2409248)	3	5	<5
E5829524 (2409249)	3	6	<5
E5829525 (2409250)	4	4	<5
E5829526 (2409251)	60	6	<5
E5829527 (2409252)	2	<1	<5
E5829528 (2409253)	4	4	<5
E5829529 (2409254)	2	2	<5
E5829530 (2409255)	10	30	20
E5829531 (2409256)	4	14	5
E5829532 (2409257)	7	26	9
E5829533 (2409258)	10	29	17
E5829534 (2409259)	5	7	<5
E5829535 (2409260)	5	3	<5
E5829536 (2409261)	4	2	<5
E5829537 (2409262)	5	10	<5
E5829538 (2409263)	4	7	<5
E5829539 (2409264)	6	3	<5
E5829540 (2409265)	137	1319	659

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829491 (2409216)	76.74
E5829501 (2409226)	76.42
E5829511 (2409236)	76.55
E5829521 (2409246)	76.07
E5829531 (2409256)	75.15

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829491 (2409216)	86.15
E5829508 (2409233)	86.25
E5829517 (2409242)	87.35

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2409216	< 0.5	< 0.5	0.0%	2409231	< 0.5	< 0.5	0.0%	2409241	< 0.5	< 0.5	0.0%	2409256	< 0.5	0.6	
Al	2409216	6.74	6.66	1.2%	2409231	8.48	8.63	1.8%	2409241	8.95	9.15	2.2%	2409256	8.08	8.05	0.4%
As	2409216	< 1	< 1	0.0%	2409231	< 1	< 1	0.0%	2409241	< 1	< 1	0.0%	2409256	< 1	1	
Ba	2409216	72	70	2.8%	2409231	39	39	0.0%	2409241	212	225	5.9%	2409256	108	109	0.9%
Be	2409216	0.78	0.73	6.6%	2409231	< 0.5	< 0.5	0.0%	2409241	< 0.5	< 0.5	0.0%	2409256	0.6	0.6	0.0%
Bi	2409216	< 1	< 1	0.0%	2409231	< 1	< 1	0.0%	2409241	< 1	< 1	0.0%	2409256	< 1	< 1	0.0%
Ca	2409216	6.56	6.28	4.4%	2409231	7.49	7.57	1.1%	2409241	5.67	5.85	3.1%	2409256	3.79	3.75	1.1%
Cd	2409216	< 0.5	< 0.5	0.0%	2409231	< 0.5	< 0.5	0.0%	2409241	< 0.5	< 0.5	0.0%	2409256	< 0.5	< 0.5	0.0%
Ce	2409216	38	38	0.0%	2409231	18	19	5.4%	2409241	16	17	6.1%	2409256	5	5	0.0%
Co	2409216	40.0	40.3	0.7%	2409231	36.4	37.7	3.5%	2409241	48.6	47.4	2.5%	2409256	58.0	58.3	0.5%
Cr	2409216	64.9	60.8	6.5%	2409231	40.8	41.0	0.5%	2409241	70.3	75.1	6.6%	2409256	186	192	3.2%
Cu	2409216	146	135	7.8%	2409231	132	138	4.4%	2409241	46.9	43.2	8.2%	2409256	157	159	1.3%
Fe	2409216	11.3	10.9	3.6%	2409231	6.85	7.00	2.2%	2409241	6.70	6.68	0.3%	2409256	7.99	7.96	0.4%
Ga	2409216	20	22	9.5%	2409231	19	19	0.0%	2409241	17	17	0.0%	2409256	18	19	5.4%
In	2409216	< 1	< 1	0.0%	2409231	< 1	< 1	0.0%	2409241	< 1	< 1	0.0%	2409256	< 1	< 1	0.0%
K	2409216	0.296	0.292	1.4%	2409231	0.58	0.59	1.7%	2409241	0.71	0.74	4.1%	2409256	0.54	0.54	0.0%
La	2409216	14	14	0.0%	2409231	8	8	0.0%	2409241	7	7	0.0%	2409256	2	3	
Li	2409216	17	16	6.1%	2409231	43	44	2.3%	2409241	38	38	0.0%	2409256	44	44	0.0%
Mg	2409216	3.14	3.11	1.0%	2409231	3.75	3.83	2.1%	2409241	4.82	4.77	1.0%	2409256	5.61	5.58	0.5%
Mn	2409216	1670	1650	1.2%	2409231	1150	1170	1.7%	2409241	1120	1110	0.9%	2409256	1390	1390	0.0%
Mo	2409216	2.78	2.42	13.8%	2409231	1.4	1.5	6.9%	2409241	< 0.5	0.6		2409256	< 0.5	< 0.5	0.0%
Na	2409216	1.66	1.60	3.7%	2409231	2.22	2.24	0.9%	2409241	1.83	1.92	4.8%	2409256	1.67	1.65	1.2%
Ni	2409216	42.3	41.8	1.2%	2409231	58.6	60.8	3.7%	2409241	150	145	3.4%	2409256	154	155	0.6%
P	2409216	1280	1330	3.8%	2409231	317	321	1.3%	2409241	287	298	3.8%	2409256	57	48	17.1%
Pb	2409216	17	13	26.7%	2409231	< 1	< 1	0.0%	2409241	< 1	< 1	0.0%	2409256	< 1	< 1	0.0%
Rb	2409216	< 10	< 10	0.0%	2409231	14	15	6.9%	2409241	19	21	10.0%	2409256	17	17	0.0%
S	2409216	0.14	0.14	0.0%	2409231	0.02	0.02	0.0%	2409241	< 0.01	< 0.01	0.0%	2409256	0.199	0.192	3.6%
Sb	2409216	< 1	< 1	0.0%	2409231	< 1	< 1	0.0%	2409241	1	< 1		2409256	3	1	
Sc	2409216	42	43	2.4%	2409231	34	35	2.9%	2409241	25	26	3.9%	2409256	23	23	0.0%
Se	2409216	< 10	< 10	0.0%	2409231	< 10	< 10	0.0%	2409241	< 10	< 10	0.0%	2409256	< 10	< 10	0.0%
Sn	2409216	< 5	< 5	0.0%	2409231	< 5	< 5	0.0%	2409241	< 5	< 5	0.0%	2409256	< 5	< 5	0.0%

Results relate only to the items tested. Results apply to samples as received.

5623 McADAM ROAD
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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2409216	172	162	6.0%	2409231	153	154	0.7%	2409241	246	260	5.5%	2409256	165	163	1.2%
Ta	2409216	< 10	< 10	0.0%	2409231	< 10	< 10	0.0%	2409241	< 10	< 10	0.0%	2409256	< 10	< 10	0.0%
Te	2409216	< 10	< 10	0.0%	2409231	< 10	< 10	0.0%	2409241	< 10	< 10	0.0%	2409256	< 10	< 10	0.0%
Th	2409216	< 5	< 5	0.0%	2409231	< 5	< 5	0.0%	2409241	< 5	< 5	0.0%	2409256	< 5	< 5	0.0%
Ti	2409216	1.29	1.25	3.1%	2409231	0.34	0.35	2.9%	2409241	0.262	0.276	5.2%	2409256	0.12	0.12	0.0%
Tl	2409216	< 5	< 5	0.0%	2409231	< 5	< 5	0.0%	2409241	< 5	< 5	0.0%	2409256	< 5	< 5	0.0%
U	2409216	< 5	< 5	0.0%	2409231	< 5	< 5	0.0%	2409241	< 5	< 5	0.0%	2409256	< 5	< 5	0.0%
V	2409216	415	419	1.0%	2409231	217	224	3.2%	2409241	143	147	2.8%	2409256	80.6	83.2	3.2%
W	2409216	< 1	< 1	0.0%	2409231	< 1	< 1	0.0%	2409241	< 1	< 1	0.0%	2409256	< 1	2	
Y	2409216	42	42	0.0%	2409231	14	14	0.0%	2409241	11	12	8.7%	2409256	6	6	0.0%
Zn	2409216	222	203	8.9%	2409231	58.1	59.3	2.0%	2409241	74.6	74.8	0.3%	2409256	101	99.1	1.9%
Zr	2409216	108	102	5.7%	2409231	32	32	0.0%	2409241	30	40	28.6%	2409256	7	8	13.3%

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2409216	3	3	0.0%	2409231	2	3		2409241	2	3		2409256	4	6	
Pd	2409216	< 1	< 1	0.0%	2409231	14	14	0.0%	2409241	5	5	0.0%	2409256	14	15	6.9%
Pt	2409216	< 5	< 5	0.0%	2409231	15	11		2409241	< 5	5		2409256	5	< 5	

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	8.47	8.39	99%	90% - 110%	6.96	7.01	101%	90% - 110%	13.0	12.2	94%	90% - 110%				
As	26	25	97%	90% - 110%	124	125	101%	90% - 110%								
Ba	540	534	99%	90% - 110%	186	189	102%	90% - 110%	1305	1262	97%	90% - 110%				
Ca	0.907	0.838	92%	90% - 110%	4.01	3.66	91%	90% - 110%	1.42	1.32	93%	90% - 110%				
Ce	98	102	104%	90% - 110%	24	23	94%	90% - 110%	58.24	53.21	91%	90% - 110%				
Co					22.1	18.5	84%	90% - 110%								
Cr	60.3	65.5	109%	90% - 110%												
Cu	150	154	103%	90% - 110%	88.6	90.4	102%	90% - 110%								
Fe	3.77	3.56	95%	90% - 110%	7.56	7.04	93%	90% - 110%	3.27	3.05	93%	90% - 110%				
Ga									22.63	21.23	94%	90% - 110%				
K					2.021	2.103	104%	90% - 110%	3.69	3.63	98%	90% - 110%				
La	44	42	96%	90% - 110%					27.48	27.1	99%	90% - 110%				
Li	47	48	102%	90% - 110%					64.95	63.86	98%	90% - 110%				
Mg	1.10	1.05	95%	90% - 110%	2.412	2.335	97%	90% - 110%	0.223	0.223	100%	90% - 110%				
Mn	780	743	95%	90% - 110%	1510	1415	94%	90% - 110%								
Mo	14	13	90%	90% - 110%												
Na	1.624	1.723	106%	90% - 110%	0.617	0.647	105%	90% - 110%	7.24	7.06	97%	90% - 110%				
Ni	32	30	94%	90% - 110%	77.1	70.1	91%	90% - 110%								
P	750	758	101%	90% - 110%	892	928	104%	90% - 110%								
Pb	31	22	71%	90% - 110%												
Rb	143	143	100%	90% - 110%					85.36	107.4	126%	90% - 110%				
S					0.348	0.318	91%	90% - 110%								
Sc	12	12	98%	90% - 110%					2.76	2.35	85%	90% - 110%				
Sr	144	150	104%	90% - 110%	92.8	90.6	98%	90% - 110%	312	298	96%	90% - 110%				
Ti	0.53	0.481	91%	90% - 110%					0.222	0.221	99%	90% - 110%				
V	77	79	102%	90% - 110%												
W	5	4	72%	90% - 110%												
Y									25.32	23.71	94%	90% - 110%				
Zn	130	119	91%	90% - 110%	208	203	97%	90% - 110%	75.42	79.56	105%	90% - 110%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T740588

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1897	1844	97%	90% - 110%	1897	1977	104%	90% - 110%	1897	2002	106%	90% - 110%				
Pd	1660	1657	100%	90% - 110%	1660	1748	105%	90% - 110%	1660	1724	104%	90% - 110%				
Pt	223	211	95%	90% - 110%	223	244	109%	90% - 110%	223	232	104%	90% - 110%				

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T740588

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T740588

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT:

AGAT WORK ORDER: 21T740593

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 15, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829541 (2408479)	2.44
E5829542 (2408480)	2.36
E5829543 (2408481)	2.58
E5829544 (2408482)	2.82
E5829545 (2408483)	2.45
E5829546 (2408484)	2.46
E5829547 (2408485)	2.20
E5829548 (2408486)	2.21
E5829549 (2408487)	2.44
E5829550 (2408488)	0.70
E5829551 (2408489)	2.26
E5829552 (2408490)	2.52
E5829553 (2408491)	2.44
E5829554 (2408492)	2.60
E5829555 (2408493)	2.56
E5829556 (2408494)	2.39
E5829557 (2408495)	2.53
E5829558 (2408496)	2.45
E5829559 (2408497)	1.15
E5829560 (2408498)	1.18
E5829561 (2408499)	2.49
E5829562 (2408500)	2.61
E5829563 (2408501)	2.65
E5829564 (2408502)	2.42
E5829565 (2408503)	2.33
E5829566 (2408504)	2.07
E5829567 (2408505)	2.23
E5829568 (2408506)	2.35
E5829569 (2408507)	2.47
E5829570 (2408508)	0.10
E5829571 (2408509)	2.31

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829572 (2408510)	2.31
E5829573 (2408511)	2.16
E5829574 (2408512)	2.46
E5829575 (2408513)	2.02
E5829576 (2408514)	1.78
E5829577 (2408515)	1.94
E5829578 (2408516)	2.54
E5829579 (2408517)	2.32
E5829580 (2408518)	0.71
E5829581 (2408519)	2.31
E5829582 (2408520)	2.38
E5829583 (2408521)	2.25
E5829584 (2408522)	2.32
E5829585 (2408523)	2.37
E5829586 (2408524)	2.41
E5829587 (2408525)	2.26
E5829588 (2408526)	2.46
E5829589 (2408527)	1.15
E5829590 (2408528)	1.11
E5829591 (2408529)	2.43
E5829592 (2408530)	2.33

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Insufficient Sample : IS

Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829541 (2408479)	<0.5	8.75	<1	99	<0.5	<1	5.74	<0.5	2	44.2	196	349	7.11	18
E5829542 (2408480)	<0.5	8.24	<1	80	<0.5	<1	5.72	<0.5	1	43.8	193	138	7.00	16
E5829543 (2408481)	<0.5	8.52	<1	101	<0.5	<1	6.51	<0.5	2	42.2	151	147	7.59	20
E5829544 (2408482)	<0.5	7.10	<1	74	<0.5	<1	6.70	<0.5	<1	58.7	36.7	249	10.8	19
E5829545 (2408483)	<0.5	8.18	<1	92	<0.5	<1	6.48	<0.5	<1	47.8	133	164	8.39	18
E5829546 (2408484)	<0.5	9.12	<1	158	<0.5	<1	5.87	<0.5	5	32.7	186	50.0	6.29	18
E5829547 (2408485)	<0.5	9.20	<1	124	<0.5	<1	5.76	<0.5	6	42.5	188	116	6.99	19
E5829548 (2408486)	<0.5	7.87	<1	52	<0.5	<1	5.39	<0.5	6	45.0	166	136	9.58	19
E5829549 (2408487)	<0.5	6.93	<1	35	<0.5	<1	6.16	<0.5	18	46.3	50.7	142	11.0	19
E5829550 (2408488)	<0.5	0.03	<1	2400	<0.5	<1	17.5	<0.5	<1	<0.5	26.3	<0.5	0.10	<5
E5829551 (2408489)	<0.5	6.95	<1	47	<0.5	<1	4.93	<0.5	31	40.3	73.6	139	8.92	18
E5829552 (2408490)	<0.5	6.78	<1	43	0.5	<1	5.55	<0.5	35	48.3	72.9	109	9.46	19
E5829553 (2408491)	<0.5	6.76	<1	39	0.6	<1	5.68	<0.5	39	36.7	51.2	172	9.88	20
E5829554 (2408492)	<0.5	6.76	<1	45	0.6	<1	5.83	<0.5	39	36.6	57.1	113	9.33	19
E5829555 (2408493)	<0.5	8.11	<1	94	<0.5	<1	6.05	<0.5	15	40.0	124	146	8.55	18
E5829556 (2408494)	<0.5	6.95	<1	29	<0.5	<1	4.97	<0.5	22	54.2	130	198	9.83	18
E5829557 (2408495)	<0.5	7.34	<1	45	<0.5	<1	7.09	<0.5	15	49.4	46.5	243	10.8	21
E5829558 (2408496)	<0.5	7.48	<1	65	<0.5	<1	7.13	<0.5	17	46.5	44.3	229	10.9	20
E5829559 (2408497)	<0.5	7.60	<1	57	<0.5	<1	7.30	<0.5	15	61.1	53.1	316	10.6	20
E5829560 (2408498)	<0.5	7.56	<1	55	<0.5	<1	7.07	<0.5	15	52.5	43.4	183	10.3	20
E5829561 (2408499)	<0.5	7.39	<1	80	<0.5	<1	6.29	<0.5	11	62.3	50.1	208	9.91	18
E5829562 (2408500)	<0.5	7.14	<1	122	<0.5	<1	6.37	<0.5	12	71.7	41.2	652	10.2	18
E5829563 (2408501)	<0.5	7.20	<1	46	<0.5	<1	6.08	<0.5	25	39.3	130	183	9.64	20
E5829564 (2408502)	<0.5	6.90	<1	43	<0.5	<1	5.78	<0.5	23	40.0	124	183	9.22	16
E5829565 (2408503)	<0.5	5.98	<1	174	<0.5	<1	4.24	<0.5	3	63.7	246	5.8	7.82	11
E5829566 (2408504)	<0.5	6.39	<1	129	<0.5	<1	3.53	<0.5	4	69.4	272	807	7.31	11
E5829567 (2408505)	<0.5	7.19	<1	152	<0.5	<1	3.27	<0.5	3	54.6	157	58.5	6.71	13
E5829568 (2408506)	<0.5	5.98	<1	135	<0.5	<1	2.75	<0.5	3	50.6	132	10.6	6.48	11
E5829569 (2408507)	<0.5	6.05	<1	158	<0.5	<1	3.76	<0.5	5	63.2	126	12.1	8.53	12
E5829570 (2408508)	3.6	6.73	<1	276	<0.5	<1	3.84	0.6	27	159	247	6650	12.6	15
E5829571 (2408509)	<0.5	6.72	<1	280	<0.5	<1	3.63	<0.5	8	56.5	82.8	21.9	7.85	12
E5829572 (2408510)	<0.5	5.80	<1	110	<0.5	<1	2.94	<0.5	6	50.2	88.0	23.6	6.79	11

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740593
PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829573 (2408511)	<0.5	6.05	<1	171	<0.5	<1	3.03	<0.5	7	56.6	80.4	15.7	8.17	11
E5829574 (2408512)	<0.5	8.09	<1	93	0.5	<1	3.68	<0.5	6	50.3	372	41.3	8.53	19
E5829575 (2408513)	<0.5	9.55	<1	209	<0.5	<1	3.33	<0.5	6	39.9	231	30.3	7.46	17
E5829576 (2408514)	<0.5	8.84	<1	191	<0.5	<1	3.17	<0.5	3	31.6	172	14.5	5.78	16
E5829577 (2408515)	<0.5	9.10	<1	175	<0.5	<1	4.19	<0.5	2	34.8	128	65.1	5.61	16
E5829578 (2408516)	<0.5	9.64	<1	181	<0.5	<1	4.56	<0.5	1	32.4	105	67.6	5.46	17
E5829579 (2408517)	<0.5	9.20	<1	104	<0.5	<1	5.42	<0.5	3	29.6	117	58.5	5.56	17
E5829580 (2408518)	<0.5	0.03	3	942	<0.5	2	18.2	<0.5	<1	<0.5	11.0	<0.5	0.05	<5
E5829581 (2408519)	<0.5	9.08	<1	98	<0.5	<1	3.87	<0.5	6	36.4	103	103	6.80	15
E5829582 (2408520)	<0.5	9.45	1	108	<0.5	<1	5.83	<0.5	<1	27.3	129	20.2	5.00	17
E5829583 (2408521)	<0.5	9.40	<1	98	<0.5	<1	5.02	<0.5	5	38.8	120	131	6.75	16
E5829584 (2408522)	<0.5	9.51	<1	108	<0.5	<1	5.02	<0.5	1	32.2	111	107	5.79	16
E5829585 (2408523)	<0.5	9.75	2	93	<0.5	<1	5.93	<0.5	<1	31.6	116	61.4	5.38	16
E5829586 (2408524)	<0.5	10.0	<1	100	<0.5	<1	6.12	<0.5	<1	33.4	149	55.3	5.82	17
E5829587 (2408525)	0.5	7.28	<1	72	<0.5	<1	5.21	<0.5	1	66.5	309	354	6.75	13
E5829588 (2408526)	<0.5	8.16	<1	62	<0.5	<1	5.42	<0.5	2	45.5	312	114	6.33	13
E5829589 (2408527)	<0.5	5.54	<1	68	<0.5	<1	6.42	<0.5	4	58.3	537	209	7.30	12
E5829590 (2408528)	<0.5	5.89	<1	80	<0.5	<1	6.17	<0.5	4	57.1	507	212	7.18	12
E5829591 (2408529)	<0.5	9.34	<1	132	<0.5	<1	5.26	<0.5	2	40.7	181	170	5.61	15
E5829592 (2408530)	<0.5	5.67	<1	32	<0.5	<1	4.14	0.7	4	75.0	585	486	9.05	12

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Certificate of Analysis

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829541 (2408479)	<1	0.34	<2	28	5.16	1310	<0.5	1.98	185	102	<1	11	0.04	2
E5829542 (2408480)	<1	0.35	<2	28	5.78	1370	<0.5	1.81	200	78	<1	10	0.02	<1
E5829543 (2408481)	<1	0.42	<2	28	4.87	1280	<0.5	1.86	123	87	<1	14	0.03	<1
E5829544 (2408482)	<1	0.41	<2	22	3.93	1520	<0.5	1.44	68.3	<10	<1	<10	0.08	<1
E5829545 (2408483)	<1	0.40	<2	19	4.16	1340	<0.5	1.99	113	69	<1	<10	0.07	<1
E5829546 (2408484)	<1	0.36	<2	23	4.72	1190	<0.5	2.44	154	229	<1	14	0.12	<1
E5829547 (2408485)	<1	0.32	2	29	4.52	1180	<0.5	2.38	166	325	<1	12	0.32	<1
E5829548 (2408486)	<1	0.20	<2	26	4.33	1360	<0.5	1.85	133	149	<1	<10	0.13	<1
E5829549 (2408487)	<1	0.19	6	14	4.02	1570	<0.5	2.01	51.6	469	<1	<10	0.17	<1
E5829550 (2408488)	1	0.01	<2	5	11.7	372	<0.5	0.02	<0.5	25	<1	<10	0.06	<1
E5829551 (2408489)	<1	0.18	13	12	3.40	1270	0.9	2.49	42.0	729	<1	<10	0.24	<1
E5829552 (2408490)	<1	0.18	14	10	3.29	1360	<0.5	2.42	42.1	861	<1	<10	0.39	<1
E5829553 (2408491)	<1	0.18	16	7	2.99	1480	<0.5	2.44	29.7	947	<1	<10	0.16	<1
E5829554 (2408492)	<1	0.20	16	9	3.21	1380	<0.5	2.43	29.0	901	<1	<10	0.17	<1
E5829555 (2408493)	<1	0.28	5	18	4.08	1310	<0.5	1.88	91.7	388	<1	<10	0.27	<1
E5829556 (2408494)	<1	0.12	8	11	3.52	1630	<0.5	2.91	51.7	528	<1	<10	0.38	<1
E5829557 (2408495)	<1	0.15	5	11	3.26	1690	<0.5	2.05	72.2	405	<1	<10	0.08	<1
E5829558 (2408496)	<1	0.19	6	12	2.91	1690	<0.5	1.96	61.7	507	<1	<10	0.10	<1
E5829559 (2408497)	<1	0.17	5	14	3.34	1650	<0.5	2.06	81.9	503	<1	<10	0.13	<1
E5829560 (2408498)	<1	0.16	5	14	3.27	1640	<0.5	1.97	75.0	467	<1	<10	0.09	<1
E5829561 (2408499)	<1	0.15	4	21	4.17	1710	<0.5	1.71	128	364	<1	<10	0.03	<1
E5829562 (2408500)	<1	0.27	4	23	3.85	1650	<0.5	1.42	140	404	<1	<10	0.11	<1
E5829563 (2408501)	<1	0.24	9	19	3.54	1440	<0.5	2.13	49.2	622	<1	<10	0.14	<1
E5829564 (2408502)	<1	0.30	8	22	4.06	1460	<0.5	2.40	50.7	537	<1	<10	0.06	<1
E5829565 (2408503)	<1	0.49	<2	49	8.49	1610	<0.5	0.91	158	71	<1	20	<0.01	3
E5829566 (2408504)	<1	0.46	<2	64	8.99	1540	<0.5	0.95	260	49	<1	21	0.08	2
E5829567 (2408505)	<1	0.63	<2	66	8.04	1340	<0.5	1.55	126	76	<1	32	<0.01	3
E5829568 (2408506)	<1	0.69	<2	58	6.86	1210	<0.5	1.28	115	91	<1	33	<0.01	2
E5829569 (2408507)	<1	0.60	<2	75	8.66	1570	<0.5	0.73	135	67	<1	22	<0.01	2
E5829570 (2408508)	<1	0.64	11	12	3.87	1140	3.8	1.85	9300	633	15	15	2.37	<1
E5829571 (2408509)	<1	0.97	3	59	7.29	1400	<0.5	1.10	115	159	<1	38	<0.01	1
E5829572 (2408510)	<1	0.52	3	73	7.64	1180	<0.5	0.74	109	36	<1	23	<0.01	2

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Certificate of Analysis

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829573 (2408511)	<1	0.59	3	83	8.28	1440	<0.5	0.65	99.4	63	<1	18	<0.01	2
E5829574 (2408512)	<1	1.41	<2	142	6.95	1440	<0.5	0.75	223	140	<1	28	0.08	<1
E5829575 (2408513)	<1	2.22	<2	149	5.48	1250	<0.5	1.60	145	90	<1	60	0.06	<1
E5829576 (2408514)	<1	1.68	<2	107	6.10	1260	<0.5	2.34	125	101	<1	84	<0.01	2
E5829577 (2408515)	<1	1.39	<2	69	5.53	1190	<0.5	2.60	133	102	<1	82	0.02	<1
E5829578 (2408516)	<1	1.41	<2	61	5.14	1110	<0.5	2.29	113	88	<1	79	0.02	1
E5829579 (2408517)	<1	1.04	<2	40	4.41	1060	<0.5	2.30	107	95	<1	54	0.02	<1
E5829580 (2408518)	1	<0.01	<2	5	12.5	436	<0.5	0.02	<0.5	64	199	<10	0.03	<1
E5829581 (2408519)	<1	1.00	2	56	5.26	1220	<0.5	2.26	101	163	<1	46	0.19	<1
E5829582 (2408520)	<1	0.82	<2	30	4.13	1040	<0.5	2.05	98.7	67	<1	37	0.02	<1
E5829583 (2408521)	<1	0.53	2	45	5.23	1290	<0.5	1.79	120	176	<1	24	0.16	<1
E5829584 (2408522)	<1	0.63	<2	49	4.76	1140	<0.5	2.18	124	103	27	32	0.06	<1
E5829585 (2408523)	<1	0.55	<2	37	4.53	1120	<0.5	2.21	107	42	<1	23	0.07	<1
E5829586 (2408524)	<1	0.55	<2	39	4.79	1200	<0.5	2.15	126	63	<1	21	0.12	<1
E5829587 (2408525)	<1	0.32	<2	37	6.26	1470	<0.5	1.40	403	78	34	11	0.26	2
E5829588 (2408526)	<1	0.24	<2	33	6.23	1400	<0.5	1.63	221	52	3	<10	0.03	3
E5829589 (2408527)	<1	0.34	<2	31	7.78	1730	<0.5	1.12	366	55	50	11	0.11	<1
E5829590 (2408528)	<1	0.40	<2	32	7.59	1690	<0.5	1.18	344	80	33	13	0.11	3
E5829591 (2408529)	<1	0.69	<2	43	5.45	1140	<0.5	2.26	195	53	2	27	0.04	3
E5829592 (2408530)	<1	0.21	<2	46	8.22	1750	<0.5	0.76	458	59	142	<10	0.10	3

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AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829541 (2408479)	23	<10	<5	284	<10	<10	<5	0.38	<5	<5	207	<1	5	94.5
E5829542 (2408480)	27	<10	<5	240	<10	<10	<5	0.32	<5	<5	198	<1	4	89.4
E5829543 (2408481)	32	<10	<5	302	<10	<10	<5	0.50	<5	<5	302	<1	6	92.0
E5829544 (2408482)	45	<10	<5	203	<10	<10	<5	0.70	<5	<5	485	<1	3	77.8
E5829545 (2408483)	32	<10	<5	276	<10	<10	<5	0.49	<5	<5	304	<1	5	76.9
E5829546 (2408484)	21	<10	<5	456	<10	<10	<5	0.35	<5	<5	182	<1	7	88.9
E5829547 (2408485)	21	<10	<5	392	<10	<10	<5	0.38	<5	<5	195	<1	6	72.8
E5829548 (2408486)	35	<10	<5	256	<10	<10	<5	0.44	<5	<5	273	<1	9	88.9
E5829549 (2408487)	43	<10	<5	177	<10	<10	<5	0.89	<5	<5	454	<1	19	77.5
E5829550 (2408488)	<1	<10	<5	124	<10	<10	<5	<0.01	<5	<5	2.0	<1	<1	12.3
E5829551 (2408489)	34	<10	<5	154	<10	<10	<5	0.83	<5	<5	327	<1	28	70.9
E5829552 (2408490)	38	<10	<5	192	<10	<10	<5	0.96	<5	<5	366	<1	31	68.3
E5829553 (2408491)	39	<10	<5	225	<10	<10	<5	0.97	<5	<5	376	<1	35	61.5
E5829554 (2408492)	38	<10	<5	211	<10	<10	<5	0.99	<5	<5	371	<1	35	62.7
E5829555 (2408493)	35	<10	<5	226	<10	<10	<5	0.63	<5	<5	300	<1	16	82.9
E5829556 (2408494)	41	<10	<5	117	<10	<10	<5	0.72	<5	<5	315	<1	26	111
E5829557 (2408495)	45	<10	<5	267	<10	<10	<5	0.79	<5	<5	539	<1	18	98.5
E5829558 (2408496)	44	<10	<5	294	<10	<10	<5	0.80	<5	<5	435	<1	20	88.7
E5829559 (2408497)	42	<10	<5	286	<10	<10	<5	0.65	<5	<5	341	<1	19	96.7
E5829560 (2408498)	40	<10	<5	280	<10	<10	<5	0.63	<5	<5	324	<1	18	92.8
E5829561 (2408499)	37	<10	<5	220	<10	<10	<5	0.45	<5	<5	263	<1	14	115
E5829562 (2408500)	34	<10	<5	216	<10	<10	<5	0.53	<5	<5	282	<1	15	104
E5829563 (2408501)	42	<10	<5	219	<10	<10	<5	0.79	<5	<5	325	<1	29	77.0
E5829564 (2408502)	41	<10	<5	161	<10	<10	<5	0.73	<5	<5	315	<1	26	91.1
E5829565 (2408503)	28	<10	<5	62	<10	<10	<5	0.11	<5	<5	112	<1	3	113
E5829566 (2408504)	29	<10	<5	55	<10	<10	<5	0.12	<5	<5	124	<1	4	153
E5829567 (2408505)	25	<10	<5	57	<10	<10	<5	0.12	<5	<5	107	<1	4	88.4
E5829568 (2408506)	24	<10	<5	47	<10	<10	<5	0.12	<5	<5	104	<1	5	76.8
E5829569 (2408507)	31	<10	<5	37	<10	<10	<5	0.14	<5	<5	134	<1	6	98.6
E5829570 (2408508)	11	<10	<5	289	<10	<10	<5	0.58	<5	<5	109	11	11	108
E5829571 (2408509)	28	<10	<5	67	<10	<10	<5	0.16	<5	<5	128	<1	8	93.0
E5829572 (2408510)	28	<10	<5	42	<10	<10	<5	0.09	<5	<5	109	<1	5	90.4

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AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829573 (2408511)	31	<10	<5	38	<10	<10	<5	0.11	<5	<5	111	<1	6	106
E5829574 (2408512)	30	<10	<5	168	<10	<10	<5	0.42	<5	<5	220	<1	11	88.7
E5829575 (2408513)	24	<10	<5	222	<10	<10	<5	0.21	<5	<5	156	<1	7	70.4
E5829576 (2408514)	21	<10	<5	83	<10	<10	<5	0.18	<5	<5	121	<1	6	76.0
E5829577 (2408515)	23	<10	<5	168	<10	<10	<5	0.19	<5	<5	129	<1	5	78.7
E5829578 (2408516)	22	<10	<5	245	<10	<10	<5	0.17	<5	<5	123	<1	3	76.5
E5829579 (2408517)	22	<10	<5	243	<10	<10	<5	0.22	<5	<5	145	<1	5	58.2
E5829580 (2408518)	<1	<10	<5	123	<10	<10	<5	<0.01	<5	<5	2.3	<1	<1	8.6
E5829581 (2408519)	20	<10	<5	182	<10	<10	<5	0.31	<5	<5	141	<1	4	75.0
E5829582 (2408520)	21	<10	<5	207	<10	<10	<5	0.17	<5	<5	122	<1	3	59.9
E5829583 (2408521)	24	<10	<5	185	<10	<10	<5	0.34	<5	<5	156	<1	4	87.8
E5829584 (2408522)	21	<10	<5	203	<10	<10	<5	0.26	<5	<5	139	<1	2	120
E5829585 (2408523)	23	<10	<5	193	<10	<10	<5	0.21	<5	<5	138	<1	3	66.4
E5829586 (2408524)	22	<10	<5	231	<10	<10	<5	0.22	<5	<5	146	<1	2	83.6
E5829587 (2408525)	25	<10	<5	136	<10	<10	<5	0.21	<5	<5	131	<1	3	169
E5829588 (2408526)	26	<10	<5	150	<10	<10	<5	0.13	<5	<5	103	<1	4	107
E5829589 (2408527)	43	<10	<5	120	<10	<10	<5	0.19	<5	<5	162	<1	9	222
E5829590 (2408528)	41	<10	<5	129	<10	<10	<5	0.18	<5	<5	157	<1	9	203
E5829591 (2408529)	22	<10	<5	222	<10	<10	<5	0.12	<5	<5	93.5	<1	3	95.2
E5829592 (2408530)	33	<10	<5	53	<10	<10	<5	0.17	<5	<5	136	<1	6	392

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829541 (2408479)	<5
E5829542 (2408480)	<5
E5829543 (2408481)	<5
E5829544 (2408482)	<5
E5829545 (2408483)	<5
E5829546 (2408484)	6
E5829547 (2408485)	7
E5829548 (2408486)	9
E5829549 (2408487)	40
E5829550 (2408488)	<5
E5829551 (2408489)	64
E5829552 (2408490)	73
E5829553 (2408491)	78
E5829554 (2408492)	71
E5829555 (2408493)	26
E5829556 (2408494)	55
E5829557 (2408495)	16
E5829558 (2408496)	18
E5829559 (2408497)	17
E5829560 (2408498)	16
E5829561 (2408499)	13
E5829562 (2408500)	11
E5829563 (2408501)	56
E5829564 (2408502)	68
E5829565 (2408503)	9
E5829566 (2408504)	10
E5829567 (2408505)	18
E5829568 (2408506)	11
E5829569 (2408507)	12
E5829570 (2408508)	48
E5829571 (2408509)	22
E5829572 (2408510)	6

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T740593
PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829573 (2408511)	10
E5829574 (2408512)	10
E5829575 (2408513)	<5
E5829576 (2408514)	<5
E5829577 (2408515)	<5
E5829578 (2408516)	<5
E5829579 (2408517)	<5
E5829580 (2408518)	<5
E5829581 (2408519)	<5
E5829582 (2408520)	<5
E5829583 (2408521)	6
E5829584 (2408522)	<5
E5829585 (2408523)	<5
E5829586 (2408524)	<5
E5829587 (2408525)	6
E5829588 (2408526)	5
E5829589 (2408527)	13
E5829590 (2408528)	13
E5829591 (2408529)	<5
E5829592 (2408530)	10

Comments: RDL - Reported Detection Limit

2408479-2408530 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829541 (2408479)	10	13	10
E5829542 (2408480)	6	16	9
E5829543 (2408481)	4	9	7
E5829544 (2408482)	5	39	41
E5829545 (2408483)	4	15	10
E5829546 (2408484)	2	<1	<5
E5829547 (2408485)	2	1	<5
E5829548 (2408486)	3	26	24
E5829549 (2408487)	4	24	27
E5829550 (2408488)	2	<1	<5
E5829551 (2408489)	3	<1	<5
E5829552 (2408490)	3	<1	<5
E5829553 (2408491)	3	<1	<5
E5829554 (2408492)	3	<1	<5
E5829555 (2408493)	3	6	5
E5829556 (2408494)	3	5	<5
E5829557 (2408495)	8	25	26
E5829558 (2408496)	7	25	28
E5829559 (2408497)	10	41	25
E5829560 (2408498)	5	38	26
E5829561 (2408499)	8	165	71
E5829562 (2408500)	17	206	71
E5829563 (2408501)	5	6	<5
E5829564 (2408502)	4	5	9
E5829565 (2408503)	3	145	29
E5829566 (2408504)	33	748	543
E5829567 (2408505)	6	29	5
E5829568 (2408506)	2	16	7
E5829569 (2408507)	4	21	13
E5829570 (2408508)	193	1350	689
E5829571 (2408509)	3	32	9
E5829572 (2408510)	3	9	14

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829573 (2408511)	6	233	113
E5829574 (2408512)	3	27	14
E5829575 (2408513)	5	2	<5
E5829576 (2408514)	3	2	<5
E5829577 (2408515)	4	4	<5
E5829578 (2408516)	4	3	<5
E5829579 (2408517)	4	3	<5
E5829580 (2408518)	4	<1	<5
E5829581 (2408519)	2	2	<5
E5829582 (2408520)	2	<1	<5
E5829583 (2408521)	6	1	<5
E5829584 (2408522)	4	2	<5
E5829585 (2408523)	3	2	<5
E5829586 (2408524)	2	2	<5
E5829587 (2408525)	9	19	13
E5829588 (2408526)	5	10	7
E5829589 (2408527)	8	19	12
E5829590 (2408528)	7	14	11
E5829591 (2408529)	5	7	<5
E5829592 (2408530)	25	27	21

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829541 (2408479)	77.16
E5829551 (2408489)	77.78
E5829561 (2408499)	76.81
E5829571 (2408509)	76.84
E5829581 (2408519)	77.09
E5829591 (2408529)	77.18

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T740593
PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Apr 29, 2021 | DATE RECEIVED: Apr 30, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Other

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829541 (2408479)	87.73
E5829559 (2408497)	85.30
E5829579 (2408517)	85.25

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2408479	< 0.5	< 0.5	0.0%	2408494	< 0.5	< 0.5	0.0%	2408504	< 0.5	< 0.5	0.0%	2408519	< 0.5	< 0.5	0.0%
Al	2408479	8.75	8.76	0.1%	2408494	6.95	7.10	2.1%	2408504	6.39	6.47	1.2%	2408519	9.08	9.00	0.9%
As	2408479	< 1	< 1	0.0%	2408494	< 1	< 1	0.0%	2408504	< 1	< 1	0.0%	2408519	< 1	< 1	0.0%
Ba	2408479	99	100	1.0%	2408494	29	29	0.0%	2408504	129	133	3.1%	2408519	98	96	2.1%
Be	2408479	< 0.5	< 0.5	0.0%	2408494	< 0.5	< 0.5	0.0%	2408504	< 0.5	< 0.5	0.0%	2408519	< 0.5	< 0.5	0.0%
Bi	2408479	< 1	< 1	0.0%	2408494	< 1	< 1	0.0%	2408504	< 1	< 1	0.0%	2408519	< 1	< 1	0.0%
Ca	2408479	5.74	5.63	1.9%	2408494	4.97	5.19	4.3%	2408504	3.53	3.55	0.6%	2408519	3.87	3.91	1.0%
Cd	2408479	< 0.5	< 0.5	0.0%	2408494	< 0.5	< 0.5	0.0%	2408504	< 0.5	< 0.5	0.0%	2408519	< 0.5	< 0.5	0.0%
Ce	2408479	2	2	0.0%	2408494	22	23	4.4%	2408504	4	4	0.0%	2408519	6	6	0.0%
Co	2408479	44.2	44.3	0.2%	2408494	54.2	54.9	1.3%	2408504	69.4	68.7	1.0%	2408519	36.4	36.6	0.5%
Cr	2408479	196	200	2.0%	2408494	130	127	2.3%	2408504	272	271	0.4%	2408519	103	120	15.2%
Cu	2408479	349	348	0.3%	2408494	198	206	4.0%	2408504	807	863	6.7%	2408519	103	102	1.0%
Fe	2408479	7.11	7.12	0.1%	2408494	9.83	10.3	4.7%	2408504	7.31	7.39	1.1%	2408519	6.80	6.77	0.4%
Ga	2408479	18	18	0.0%	2408494	18	17	5.7%	2408504	11	12	8.7%	2408519	15	15	0.0%
In	2408479	< 1	< 1	0.0%	2408494	< 1	< 1	0.0%	2408504	< 1	< 1	0.0%	2408519	< 1	< 1	0.0%
K	2408479	0.34	0.34	0.0%	2408494	0.12	0.12	0.0%	2408504	0.46	0.47	2.2%	2408519	1.00	0.985	1.5%
La	2408479	< 2	< 2	0.0%	2408494	8	8	0.0%	2408504	< 2	< 2	0.0%	2408519	2	2	0.0%
Li	2408479	28	27	3.6%	2408494	11	11	0.0%	2408504	64	64	0.0%	2408519	56	56	0.0%
Mg	2408479	5.16	5.16	0.0%	2408494	3.52	3.59	2.0%	2408504	8.99	9.05	0.7%	2408519	5.26	5.26	0.0%
Mn	2408479	1310	1310	0.0%	2408494	1630	1660	1.8%	2408504	1540	1550	0.6%	2408519	1220	1210	0.8%
Mo	2408479	< 0.5	< 0.5	0.0%	2408494	< 0.5	< 0.5	0.0%	2408504	< 0.5	< 0.5	0.0%	2408519	< 0.5	< 0.5	0.0%
Na	2408479	1.98	1.92	3.1%	2408494	2.91	3.05	4.7%	2408504	0.955	0.976	2.2%	2408519	2.26	2.27	0.4%
Ni	2408479	185	184	0.5%	2408494	51.7	52.3	1.2%	2408504	260	260	0.0%	2408519	101	101	0.0%
P	2408479	102	88	14.7%	2408494	528	558	5.5%	2408504	49	62	23.4%	2408519	163	150	8.3%
Pb	2408479	< 1	< 1	0.0%	2408494	< 1	< 1	0.0%	2408504	< 1	< 1	0.0%	2408519	< 1	< 1	0.0%
Rb	2408479	11	11	0.0%	2408494	< 10	< 10	0.0%	2408504	21	21	0.0%	2408519	46	47	2.2%
S	2408479	0.04	0.04	0.0%	2408494	0.381	0.400	4.9%	2408504	0.08	0.08	0.0%	2408519	0.19	0.19	0.0%
Sb	2408479	2	< 1		2408494	< 1	< 1	0.0%	2408504	2	3	40.0%	2408519	< 1	< 1	0.0%
Sc	2408479	23	23	0.0%	2408494	41	42	2.4%	2408504	29	29	0.0%	2408519	20	21	4.9%
Se	2408479	< 10	< 10	0.0%	2408494	< 10	< 10	0.0%	2408504	< 10	< 10	0.0%	2408519	< 10	< 10	0.0%
Sn	2408479	< 5	< 5	0.0%	2408494	< 5	< 5	0.0%	2408504	< 5	< 5	0.0%	2408519	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2408479	284	275	3.2%	2408494	117	123	5.0%	2408504	55	59	7.0%	2408519	182	183	0.5%
Ta	2408479	< 10	< 10	0.0%	2408494	< 10	< 10	0.0%	2408504	< 10	< 10	0.0%	2408519	< 10	< 10	0.0%
Te	2408479	< 10	< 10	0.0%	2408494	< 10	< 10	0.0%	2408504	< 10	< 10	0.0%	2408519	< 10	< 10	0.0%
Th	2408479	< 5	< 5	0.0%	2408494	< 5	< 5	0.0%	2408504	< 5	< 5	0.0%	2408519	< 5	< 5	0.0%
Ti	2408479	0.38	0.38	0.0%	2408494	0.723	0.755	4.3%	2408504	0.12	0.12	0.0%	2408519	0.31	0.31	0.0%
Tl	2408479	< 5	< 5	0.0%	2408494	< 5	< 5	0.0%	2408504	< 5	< 5	0.0%	2408519	< 5	< 5	0.0%
U	2408479	< 5	< 5	0.0%	2408494	< 5	< 5	0.0%	2408504	< 5	< 5	0.0%	2408519	< 5	< 5	0.0%
V	2408479	207	207	0.0%	2408494	315	326	3.4%	2408504	124	121	2.4%	2408519	141	145	2.8%
W	2408479	< 1	< 1	0.0%	2408494	< 1	< 1	0.0%	2408504	< 1	< 1	0.0%	2408519	< 1	< 1	0.0%
Y	2408479	5	5	0.0%	2408494	26	26	0.0%	2408504	4	4	0.0%	2408519	4	4	0.0%
Zn	2408479	94.5	94.7	0.2%	2408494	111	113	1.8%	2408504	153	159	3.8%	2408519	75.0	74.9	0.1%
Zr	2408479	< 5	< 5	0.0%	2408494	55	57	3.6%	2408504	10	11	9.5%	2408519	< 5	< 5	0.0%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2408529	< 0.5	< 0.5	0.0%												
Al	2408529	9.34	9.12	2.4%												
As	2408529	< 1	< 1	0.0%												
Ba	2408529	132	127	3.9%												
Be	2408529	< 0.5	< 0.5	0.0%												
Bi	2408529	< 1	< 1	0.0%												
Ca	2408529	5.26	5.21	1.0%												
Cd	2408529	< 0.5	< 0.5	0.0%												
Ce	2408529	2	2	0.0%												
Co	2408529	40.7	40.7	0.0%												
Cr	2408529	181	173	4.5%												
Cu	2408529	170	164	3.6%												
Fe	2408529	5.61	5.50	2.0%												
Ga	2408529	15	15	0.0%												
In	2408529	< 1	< 1	0.0%												
K	2408529	0.69	0.66	4.4%												
La	2408529	< 2	< 2	0.0%												
Li	2408529	43	41	4.8%												
Mg	2408529	5.45	5.34	2.0%												
Mn	2408529	1140	1120	1.8%												

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Mo	2408529	< 0.5	< 0.5	0.0%												
Na	2408529	2.26	2.24	0.9%												
Ni	2408529	195	197	1.0%												
P	2408529	53	69	26.2%												
Pb	2408529	2	2	0.0%												
Rb	2408529	27	26	3.8%												
S	2408529	0.04	0.04	0.0%												
Sb	2408529	3	< 1													
Sc	2408529	22	21	4.7%												
Se	2408529	< 10	< 10	0.0%												
Sn	2408529	< 5	< 5	0.0%												
Sr	2408529	222	221	0.5%												
Ta	2408529	< 10	< 10	0.0%												
Te	2408529	< 10	< 10	0.0%												
Th	2408529	< 5	< 5	0.0%												
Ti	2408529	0.12	0.12	0.0%												
Tl	2408529	< 5	< 5	0.0%												
U	2408529	< 5	< 5	0.0%												
V	2408529	93.5	91.5	2.2%												
W	2408529	< 1	< 1	0.0%												
Y	2408529	3	3	0.0%												
Zn	2408529	95.2	92.5	2.9%												
Zr	2408529	< 5	< 5	0.0%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2408479	10	10	0.0%	2408494	3	3	0.0%	2408504	33	29	12.9%	2408519	2	2	0.0%
Pd	2408479	13	9	36.4%	2408494	5	5	0.0%	2408504	748	805	7.3%	2408519	2	2	0.0%
Pt	2408479	10	6	50.0%	2408494	< 5	< 5	0.0%	2408504	543	627	14.4%	2408519	< 5	< 5	0.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2408529	5	6	18.2%
Pd	2408529	7	8	13.3%
Pt	2408529	< 5	< 5	0.0%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	8.47	8.38	99%	90% - 110%	6.96	6.87	99%	90% - 110%	13.0	13	100%	90% - 110%				
As	26	25	96%	90% - 110%	124	125	101%	90% - 110%								
Ba	540	538	100%	90% - 110%	186	188	101%	90% - 110%	1305	1390	107%	90% - 110%				
Ca	0.907	0.878	97%	90% - 110%	4.01	3.74	93%	90% - 110%	1.42	1.37	97%	90% - 110%				
Ce	98	98	100%	90% - 110%	24	22	91%	90% - 110%	58.24	61.35	105%	90% - 110%				
Co	15	11	71%	90% - 110%	22.1	20	91%	90% - 110%								
Cr	60.3	66	109%	90% - 110%												
Cu	150	156	104%	90% - 110%	88.6	87.4	99%	90% - 110%								
Fe	3.77	3.68	97%	90% - 110%	7.56	7.13	94%	90% - 110%	3.27	3.13	96%	90% - 110%				
Ga									22.63	20.8	92%	90% - 110%				
K					2.021	2.052	102%	90% - 110%	3.69	3.91	106%	90% - 110%				
La	44	43	97%	90% - 110%					27.48	27.29	99%	90% - 110%				
Li	47	47	100%	90% - 110%					64.95	67.08	103%	90% - 110%				
Mg	1.10	1.07	97%	90% - 110%	2.412	2.33	97%	90% - 110%	0.223	0.237	106%	90% - 110%				
Mn	780	766	98%	90% - 110%	1510	1436	95%	90% - 110%								
Mo	14	14	98%	90% - 110%												
Na	1.624	1.712	105%	90% - 110%	0.617	0.629	102%	90% - 110%	7.24	7.5	104%	90% - 110%				
Ni	32	32	101%	90% - 110%	77.1	71	92%	90% - 110%								
P	750	760	101%	90% - 110%	892	846	95%	90% - 110%								
Pb	31	26	83%	90% - 110%												
Rb	143	152	106%	90% - 110%												
S					0.348	0.316	91%	90% - 110%								
Sc	12	12	99%	90% - 110%												
Sr	144	151	105%	90% - 110%	92.8	89.6	97%	90% - 110%	312	334	107%	90% - 110%				
Ti	0.53	0.48	91%	90% - 110%					0.222	0.22	99%	90% - 110%				
V	77	81	105%	90% - 110%												
Y									25.32	25.85	102%	90% - 110%				
Zn	130	123	95%	90% - 110%	208	202	97%	90% - 110%	75.42	77.85	103%	90% - 110%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T740593

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Au	1897	1825	96%	90% - 110%	1897	1914	101%	90% - 110%	1897	1896	100%	90% - 110%				
Pd	1660	1640	99%	90% - 110%	1660	1759	106%	90% - 110%	1660	1721	104%	90% - 110%				
Pt	223	226	101%	90% - 110%	223	245	110%	90% - 110%	223	232	104%	90% - 110%				

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T740593

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T740593

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T747940

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 13, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829745 (2477280)	2.6554
E5829746 (2477281)	2.3203
E5829747 (2477282)	2.5729
E5829748 (2477283)	2.6182
E5829749 (2477284)	2.6150
E5829750 (2477285)	0.6530
E5829751 (2477286)	2.3056
E5829752 (2477287)	2.6235
E5829753 (2477288)	2.3985
E5829754 (2477289)	2.5381
E5829755 (2477290)	2.4358
E5829756 (2477291)	2.4976
E5829757 (2477292)	2.4480
E5829758 (2477293)	2.5502
E5829759 (2477294)	1.2721
E5829760 (2477295)	1.1547
E5829761 (2477296)	2.2911
E5829762 (2477297)	2.6397
E5829763 (2477298)	2.3995
E5829764 (2477299)	2.3527
E5829765 (2477300)	2.2309
E5829766 (2477301)	2.3965
E5829767 (2477302)	2.2502
E5829768 (2477303)	2.5439
E5829769 (2477304)	2.4413
E5829770 (2477305)	0.1096
E5829771 (2477306)	2.3361
E5829772 (2477307)	2.3525
E5829773 (2477308)	2.4775
E5829774 (2477309)	2.4095
E5829775 (2477310)	2.3203

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829776 (2477311)	2.3270
E5829777 (2477312)	2.3244
E5829778 (2477313)	2.4346
E5829779 (2477314)	2.4800
E5829780 (2477315)	0.7478
E5829781 (2477316)	2.4797
E5829782 (2477317)	2.6168
E5829783 (2477318)	2.4744
E5829784 (2477319)	2.1212
E5829785 (2477320)	2.6105
E5829786 (2477321)	2.4939
E5829787 (2477322)	2.6299
E5829788 (2477323)	2.3716
E5829789 (2477324)	2.3233
E5829790 (2477325)	1.0700
E5829791 (2477326)	1.0099
E5829792 (2477327)	2.2811
E5829793 (2477328)	2.4334
E5829794 (2477329)	2.5043
E5829795 (2477330)	2.4135
E5829796 (2477331)	2.3765
E5829797 (2477332)	2.3277
E5829798 (2477333)	2.4556
E5829799 (2477334)	2.4597

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829745 (2477280)	<0.5	7.34	<1	121	2.2	<1	4.64	<0.5	12	46.1	230	134	6.72	16
E5829746 (2477281)	<0.5	8.73	<1	43	2.1	<1	4.95	<0.5	10	47.1	196	269	7.02	22
E5829747 (2477282)	<0.5	9.14	<1	54	2.3	<1	6.82	<0.5	19	30.6	235	95.7	6.44	27
E5829748 (2477283)	<0.5	8.62	<1	287	2.2	<1	5.17	<0.5	10	37.1	209	37.1	5.94	16
E5829749 (2477284)	<0.5	8.61	<1	215	2.1	<1	5.07	<0.5	10	43.4	216	33.8	7.41	19
E5829750 (2477285)	<0.5	0.03	<1	776	<0.5	<1	16.7	<0.5	1	<0.5	18.6	3.2	0.09	<5
E5829751 (2477286)	<0.5	9.19	<1	202	2.9	<1	5.65	<0.5	15	36.8	206	58.9	6.76	22
E5829752 (2477287)	<0.5	8.67	<1	181	1.8	<1	5.11	<0.5	13	42.8	265	33.6	7.36	17
E5829753 (2477288)	<0.5	9.42	<1	202	3.2	<1	6.78	<0.5	13	29.3	187	40.4	5.74	22
E5829754 (2477289)	<0.5	9.11	<1	230	2.5	<1	6.33	<0.5	16	36.6	245	48.8	6.55	22
E5829755 (2477290)	<0.5	8.29	<1	99	1.9	<1	6.44	<0.5	12	39.7	230	45.2	7.22	19
E5829756 (2477291)	<0.5	8.03	<1	126	2.5	<1	6.14	<0.5	11	41.0	253	68.1	6.94	18
E5829757 (2477292)	<0.5	7.48	<1	146	2.1	<1	5.97	<0.5	12	41.0	224	43.3	6.82	16
E5829758 (2477293)	<0.5	7.74	<1	136	2.8	<1	5.51	<0.5	13	45.7	208	151	7.05	16
E5829759 (2477294)	<0.5	8.60	<1	173	4.4	<1	5.43	<0.5	14	39.2	206	89.6	6.90	22
E5829760 (2477295)	<0.5	8.25	<1	141	4.4	<1	5.60	<0.5	13	39.1	206	38.2	7.38	21
E5829761 (2477296)	<0.5	7.54	<1	99	6.2	<1	6.84	<0.5	13	41.8	330	34.8	7.12	16
E5829762 (2477297)	<0.5	8.09	<1	107	2.9	<1	6.53	<0.5	15	40.2	243	38.1	6.76	16
E5829763 (2477298)	1.1	8.51	<1	196	3.6	<1	3.62	<0.5	55	16.0	139	15.0	4.93	19
E5829764 (2477299)	2.8	4.29	2	79	3.0	<1	17.0	<0.5	126	29.0	52.3	649	3.50	12
E5829765 (2477300)	4.5	8.18	4	150	1.3	<1	7.25	<0.5	244	7.3	44.7	488	2.99	24
E5829766 (2477301)	<0.5	7.33	<1	606	0.7	<1	4.99	<0.5	12	82.6	76.1	27.8	8.57	18
E5829767 (2477302)	<0.5	6.47	<1	841	0.8	<1	3.21	<0.5	15	46.1	141	141	6.54	13
E5829768 (2477303)	<0.5	6.04	<1	622	0.7	<1	4.38	<0.5	9	81.7	105	95.4	9.27	14
E5829769 (2477304)	<0.5	5.86	<1	254	<0.5	<1	4.91	<0.5	10	94.7	104	144	9.76	13
E5829770 (2477305)	3.8	6.67	<1	273	0.7	<1	3.85	0.7	26	162	253	6590	12.4	<5
E5829771 (2477306)	<0.5	4.55	<1	2	<0.5	<1	4.78	<0.5	2	123	109	501	9.14	10
E5829772 (2477307)	<0.5	5.47	<1	3	<0.5	<1	4.15	<0.5	9	116	110	63.1	10.3	12
E5829773 (2477308)	<0.5	6.59	<1	234	0.7	<1	3.89	<0.5	12	94.3	141	156	9.89	14
E5829774 (2477309)	<0.5	7.62	<1	205	0.9	<1	4.25	<0.5	28	54.4	92.3	541	9.68	20
E5829775 (2477310)	1.3	5.88	<1	90	0.5	<1	4.89	<0.5	26	30.0	120	3580	6.98	17
E5829776 (2477311)	<0.5	7.54	<1	108	0.8	<1	5.81	<0.5	29	38.7	66.8	151	9.39	23

Certified By: Sherin Moussa

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TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829777 (2477312)	<0.5	6.99	<1	85	0.5	<1	4.90	<0.5	25	76.3	82.6	2600	10.2	21
E5829778 (2477313)	<0.5	7.69	<1	99	0.7	<1	5.79	<0.5	26	44.3	84.2	289	9.35	22
E5829779 (2477314)	<0.5	7.96	<1	113	0.7	<1	5.56	<0.5	26	36.4	70.4	115	8.86	23
E5829780 (2477315)	<0.5	0.14	<1	1360	<0.5	<1	17.0	<0.5	1	<0.5	11.3	<0.5	0.06	<5
E5829781 (2477316)	<0.5	7.94	<1	130	0.6	<1	5.76	<0.5	27	40.2	82.6	117	9.32	21
E5829782 (2477317)	<0.5	7.81	<1	239	0.6	<1	5.68	<0.5	24	39.8	73.2	129	9.15	21
E5829783 (2477318)	<0.5	7.69	<1	230	0.6	<1	5.96	<0.5	25	40.0	73.7	148	9.40	21
E5829784 (2477319)	<0.5	7.32	<1	257	0.6	<1	5.98	<0.5	26	39.9	74.8	140	9.39	21
E5829785 (2477320)	<0.5	7.16	<1	209	0.7	<1	6.05	<0.5	28	41.2	71.9	146	9.68	22
E5829786 (2477321)	<0.5	6.66	<1	214	0.8	<1	5.68	<0.5	33	40.9	58.9	270	9.70	21
E5829787 (2477322)	<0.5	6.72	<1	208	0.9	<1	5.61	<0.5	37	37.4	55.8	95.8	10.1	22
E5829788 (2477323)	<0.5	6.01	<1	130	0.6	<1	5.05	<0.5	25	51.5	301	1030	8.88	18
E5829789 (2477324)	<0.5	3.62	<1	9	<0.5	<1	5.46	<0.5	3	60.1	1280	27.8	7.11	9
E5829790 (2477325)	<0.5	6.19	<1	135	<0.5	<1	3.82	<0.5	8	52.1	451	570	6.79	12
E5829791 (2477326)	0.7	6.33	<1	180	<0.5	<1	3.88	1.1	7	77.1	449	1260	6.99	13
E5829792 (2477327)	<0.5	6.75	<1	204	<0.5	<1	3.67	<0.5	3	52.9	182	327	7.39	16
E5829793 (2477328)	<0.5	8.15	<1	330	<0.5	<1	4.22	<0.5	13	49.2	183	504	6.89	18
E5829794 (2477329)	<0.5	7.11	<1	196	0.8	<1	5.67	<0.5	36	41.1	67.8	153	9.38	22
E5829795 (2477330)	<0.5	7.16	<1	194	0.7	<1	5.51	<0.5	35	39.1	76.6	116	8.79	22
E5829796 (2477331)	<0.5	7.13	<1	191	0.7	<1	5.20	<0.5	32	42.0	67.0	145	9.14	22
E5829797 (2477332)	<0.5	6.98	<1	158	0.8	<1	5.41	<0.5	35	42.0	66.8	259	8.97	22
E5829798 (2477333)	<0.5	6.93	<1	265	0.8	<1	5.06	<0.5	36	42.7	58.3	204	8.72	21
E5829799 (2477334)	<0.5	6.83	<1	214	0.7	<1	5.03	<0.5	33	38.8	58.4	174	8.55	20

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PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829745 (2477280)	<1	0.39	4	31	5.14	1330	<0.5	2.64	175	598	<1	22	0.13	<1
E5829746 (2477281)	<1	0.18	5	34	4.21	1180	<0.5	2.93	175	390	1	<10	0.17	<1
E5829747 (2477282)	<1	0.25	10	28	3.71	1180	<0.5	2.63	148	365	<1	13	0.15	<1
E5829748 (2477283)	<1	0.88	4	31	4.36	1260	<0.5	2.48	149	485	<1	65	0.12	<1
E5829749 (2477284)	<1	0.78	4	50	5.24	1430	<0.5	2.17	163	337	<1	53	0.11	<1
E5829750 (2477285)	3	<0.01	2	5	13.0	416	<0.5	0.02	0.6	64	1	<10	0.26	<1
E5829751 (2477286)	<1	0.71	6	40	4.43	1290	<0.5	2.66	170	341	<1	37	0.14	<1
E5829752 (2477287)	<1	0.73	5	50	5.24	1390	<0.5	2.26	188	336	<1	40	0.12	<1
E5829753 (2477288)	<1	0.68	6	47	3.80	1200	<0.5	2.39	135	283	<1	45	0.13	<1
E5829754 (2477289)	<1	0.71	6	43	4.16	1260	<0.5	2.40	200	276	<1	48	0.14	<1
E5829755 (2477290)	<1	0.40	4	27	4.49	1490	<0.5	2.24	184	316	<1	24	0.12	<1
E5829756 (2477291)	<1	0.50	4	24	4.46	1460	<0.5	2.22	183	344	<1	35	0.15	<1
E5829757 (2477292)	<1	0.68	4	24	4.74	1530	0.9	2.23	171	452	<1	51	0.13	<1
E5829758 (2477293)	<1	0.62	6	27	4.88	1490	0.6	2.28	207	501	<1	42	0.20	<1
E5829759 (2477294)	<1	0.74	6	51	4.79	1350	0.8	2.08	163	502	<1	48	0.11	<1
E5829760 (2477295)	<1	0.72	4	52	5.18	1410	<0.5	2.14	165	485	<1	42	0.10	<1
E5829761 (2477296)	<1	0.30	5	24	4.99	1560	<0.5	1.65	160	466	1	17	0.11	<1
E5829762 (2477297)	<1	0.30	6	26	4.92	1490	<0.5	1.83	146	641	<1	17	0.10	<1
E5829763 (2477298)	<1	0.89	30	25	2.61	899	<0.5	4.61	45.7	371	2	46	0.10	<1
E5829764 (2477299)	<1	0.43	71	7	1.53	1730	1.6	2.30	23.2	290	5	22	0.55	<1
E5829765 (2477300)	<1	0.63	128	9	0.59	712	2.5	4.42	6.9	294	7	22	0.17	<1
E5829766 (2477301)	<1	1.49	4	47	6.00	1470	<0.5	0.78	268	173	3	127	0.08	1
E5829767 (2477302)	<1	2.85	6	40	4.59	1140	0.5	1.36	132	259	<1	198	0.12	<1
E5829768 (2477303)	<1	1.53	3	46	7.08	1580	<0.5	0.84	318	145	5	96	0.12	2
E5829769 (2477304)	<1	0.49	4	39	9.30	1710	<0.5	0.50	421	156	5	31	0.10	3
E5829770 (2477305)	<1	0.62	10	12	3.81	1100	4.1	1.81	9447	575	48	16	2.74	<1
E5829771 (2477306)	<1	0.01	<2	17	11.1	1610	<0.5	0.04	607	71	8	<10	0.15	4
E5829772 (2477307)	<1	0.02	3	26	10.7	1750	<0.5	0.05	600	72	6	<10	0.07	5
E5829773 (2477308)	<1	0.53	4	43	8.63	1730	<0.5	0.89	474	130	4	34	0.09	4
E5829774 (2477309)	<1	0.83	11	35	4.00	1420	0.6	2.07	166	601	2	38	0.17	<1
E5829775 (2477310)	<1	0.59	11	33	1.91	869	0.7	1.68	56.7	547	3	22	0.41	<1
E5829776 (2477311)	<1	0.32	11	25	2.90	1380	<0.5	2.18	42.6	652	2	10	0.18	<1

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PROJECT: EAST BULL

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ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829777 (2477312)	<1	0.28	9	24	2.62	1270	<0.5	2.06	124	549	7	<10	1.08	<1
E5829778 (2477313)	<1	0.27	9	23	2.77	1320	<0.5	2.08	55.3	606	1	<10	0.30	<1
E5829779 (2477314)	<1	0.28	10	21	2.53	1260	<0.5	2.07	40.9	602	2	10	0.15	<1
E5829780 (2477315)	1	0.12	3	15	12.2	416	<0.5	0.06	0.5	53	<1	<10	0.27	2
E5829781 (2477316)	<1	0.34	10	19	2.83	1350	<0.5	1.98	48.9	591	2	11	0.19	<1
E5829782 (2477317)	<1	0.62	9	22	2.86	1390	<0.5	1.74	48.3	557	3	30	0.17	<1
E5829783 (2477318)	<1	0.51	9	23	2.84	1430	<0.5	1.62	48.7	583	3	23	0.20	<1
E5829784 (2477319)	<1	0.53	10	21	2.77	1380	<0.5	1.60	48.7	586	4	23	0.19	<1
E5829785 (2477320)	<1	0.44	10	18	2.82	1460	<0.5	1.64	45.3	651	3	14	0.21	<1
E5829786 (2477321)	<1	0.56	13	17	2.56	1490	0.7	1.77	38.4	724	3	21	0.23	<1
E5829787 (2477322)	<1	0.52	14	19	2.34	1440	0.5	1.80	27.8	811	2	16	0.15	<1
E5829788 (2477323)	<1	0.34	10	22	4.81	1400	<0.5	1.48	197	524	7	13	0.30	<1
E5829789 (2477324)	<1	0.05	<2	27	10.5	1620	<0.5	0.08	489	46	4	<10	0.08	11
E5829790 (2477325)	<1	0.38	3	41	7.88	1340	<0.5	0.98	325	55	4	20	0.11	7
E5829791 (2477326)	<1	0.50	3	40	7.88	1340	<0.5	0.92	347	49	9	32	0.35	6
E5829792 (2477327)	<1	0.63	<2	46	8.47	1470	<0.5	0.88	148	41	31	53	0.10	4
E5829793 (2477328)	<1	0.96	6	42	5.53	1200	<0.5	1.65	173	230	2	72	0.22	3
E5829794 (2477329)	<1	0.48	15	16	2.81	1340	<0.5	2.25	45.1	619	2	17	0.14	<1
E5829795 (2477330)	<1	0.44	15	17	2.72	1270	<0.5	2.13	45.0	621	2	15	0.14	<1
E5829796 (2477331)	<1	0.39	14	17	2.81	1280	<0.5	2.39	49.3	617	1	11	0.15	<1
E5829797 (2477332)	<1	0.36	15	12	2.64	1260	0.5	2.24	47.7	639	2	<10	0.18	<1
E5829798 (2477333)	<1	0.54	16	20	2.91	1230	<0.5	2.00	46.9	637	3	17	0.19	<1
E5829799 (2477334)	<1	0.42	14	21	2.69	1210	<0.5	2.22	42.5	607	2	15	0.14	<1

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ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829745 (2477280)	28	<10	<5	144	<10	<10	<5	0.44	<5	7	214	<1	16	97.7
E5829746 (2477281)	21	<10	<5	216	<10	<10	<5	0.37	<5	8	189	<1	10	89.5
E5829747 (2477282)	24	<10	<5	299	<10	<10	<5	0.43	<5	6	213	<1	18	72.3
E5829748 (2477283)	26	<10	<5	286	<10	<10	<5	0.47	<5	7	197	<1	13	90.8
E5829749 (2477284)	25	<10	<5	236	<10	<10	<5	0.47	<5	8	213	<1	12	111
E5829750 (2477285)	<1	<10	<5	114	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	13.3
E5829751 (2477286)	25	<10	<5	288	<10	<10	<5	0.49	<5	7	218	<1	19	87.1
E5829752 (2477287)	25	<10	<5	214	<10	<10	<5	0.47	<5	7	192	<1	13	104
E5829753 (2477288)	21	<10	<5	329	<10	<10	<5	0.34	<5	6	168	<1	14	91.2
E5829754 (2477289)	26	<10	<5	311	<10	<10	<5	0.49	<5	6	203	<1	18	83.8
E5829755 (2477290)	25	<10	<5	206	<10	<10	<5	0.45	<5	8	212	<1	16	108
E5829756 (2477291)	26	<10	<5	207	<10	<10	<5	0.44	<5	7	207	<1	14	106
E5829757 (2477292)	29	<10	<5	181	<10	<10	<5	0.45	<5	8	233	<1	18	96.9
E5829758 (2477293)	27	<10	<5	193	<10	<10	<5	0.46	<5	7	199	<1	16	100
E5829759 (2477294)	25	<10	<5	168	<10	<10	<5	0.50	<5	7	216	<1	18	89.9
E5829760 (2477295)	27	<10	<5	154	<10	<10	<5	0.50	<5	7	219	<1	18	98.2
E5829761 (2477296)	33	<10	<5	164	<10	<10	<5	0.43	<5	8	243	<1	17	102
E5829762 (2477297)	31	<10	<5	161	<10	<10	<5	0.47	<5	6	233	<1	19	106
E5829763 (2477298)	34	<10	<5	291	<10	<10	<5	0.75	<5	5	220	<1	21	86.5
E5829764 (2477299)	13	<10	<5	469	<10	<10	13	0.42	<5	<5	81.0	<1	25	57.8
E5829765 (2477300)	2	<10	<5	607	<10	<10	27	0.21	<5	<5	55.1	<1	28	29.7
E5829766 (2477301)	22	<10	<5	176	<10	<10	<5	0.27	<5	9	175	<1	9	90.4
E5829767 (2477302)	27	<10	<5	72	<10	<10	<5	0.39	<5	7	206	<1	10	68.0
E5829768 (2477303)	26	<10	<5	58	<10	11	<5	0.21	<5	10	146	<1	8	101
E5829769 (2477304)	20	<10	<5	71	<10	<10	<5	0.18	<5	10	107	<1	7	115
E5829770 (2477305)	11	<10	<5	288	<10	<10	<5	0.60	<5	13	106	1	12	114
E5829771 (2477306)	13	<10	<5	6	<10	11	<5	0.08	<5	10	61.7	<1	3	113
E5829772 (2477307)	12	<10	<5	5	<10	12	<5	0.09	<5	10	75.5	<1	4	132
E5829773 (2477308)	19	<10	<5	38	<10	11	<5	0.18	<5	12	118	<1	13	130
E5829774 (2477309)	31	<10	<5	147	<10	<10	<5	0.75	<5	10	282	<1	26	88.0
E5829775 (2477310)	29	<10	<5	159	<10	<10	<5	0.78	<5	7	250	<1	26	50.2
E5829776 (2477311)	38	<10	<5	258	<10	<10	<5	0.87	<5	11	343	<1	30	71.1

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DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829777 (2477312)	34	<10	<5	250	<10	<10	<5	0.76	<5	10	286	<1	26	68.4
E5829778 (2477313)	36	<10	<5	288	<10	<10	<5	0.78	<5	10	317	<1	27	77.9
E5829779 (2477314)	32	<10	<5	323	<10	<10	<5	0.75	<5	10	277	<1	28	71.3
E5829780 (2477315)	<1	<10	<5	138	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	28.2
E5829781 (2477316)	35	<10	<5	297	<10	<10	<5	0.78	<5	10	300	<1	27	86.4
E5829782 (2477317)	34	<10	<5	278	<10	<10	<5	0.74	<5	10	292	<1	26	91.8
E5829783 (2477318)	35	<10	<5	277	<10	<10	<5	0.79	<5	10	304	<1	27	96.9
E5829784 (2477319)	35	<10	<5	268	<10	<10	<5	0.79	<5	10	310	<1	28	91.8
E5829785 (2477320)	37	<10	<5	236	<10	<10	<5	0.84	<5	9	327	<1	29	98.8
E5829786 (2477321)	35	<10	<5	191	<10	<10	<5	0.91	<5	10	333	<1	31	102
E5829787 (2477322)	35	<10	<5	177	<10	<10	<5	0.97	<5	10	347	<1	35	86.5
E5829788 (2477323)	33	<10	<5	127	<10	<10	<5	0.67	<5	9	266	<1	25	121
E5829789 (2477324)	27	<10	<5	7	<10	10	<5	0.16	<5	8	95.5	<1	21	109
E5829790 (2477325)	25	<10	<5	47	<10	<10	<5	0.11	<5	7	107	<1	11	127
E5829791 (2477326)	24	<10	<5	61	<10	<10	<5	0.11	<5	8	104	<1	9	226
E5829792 (2477327)	28	<10	<5	62	<10	<10	<5	0.10	<5	8	123	<1	4	194
E5829793 (2477328)	26	<10	<5	169	<10	<10	<5	0.25	<5	8	146	<1	10	95.3
E5829794 (2477329)	35	<10	<5	209	<10	<10	<5	0.69	<5	10	302	<1	27	90.0
E5829795 (2477330)	36	<10	<5	237	<10	<10	<5	0.64	<5	9	298	<1	27	78.2
E5829796 (2477331)	36	<10	<5	210	<10	<10	<5	0.67	<5	9	295	<1	26	76.5
E5829797 (2477332)	35	<10	<5	230	<10	<10	<5	0.68	<5	9	295	<1	27	68.4
E5829798 (2477333)	35	<10	<5	205	<10	<10	<5	0.66	<5	8	291	<1	27	69.3
E5829799 (2477334)	34	<10	<5	205	<10	<10	<5	0.64	<5	9	283	<1	26	78.5

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829745 (2477280)	19
E5829746 (2477281)	16
E5829747 (2477282)	34
E5829748 (2477283)	17
E5829749 (2477284)	17
E5829750 (2477285)	<5
E5829751 (2477286)	24
E5829752 (2477287)	18
E5829753 (2477288)	20
E5829754 (2477289)	31
E5829755 (2477290)	22
E5829756 (2477291)	23
E5829757 (2477292)	22
E5829758 (2477293)	38
E5829759 (2477294)	26
E5829760 (2477295)	24
E5829761 (2477296)	20
E5829762 (2477297)	24
E5829763 (2477298)	197
E5829764 (2477299)	403
E5829765 (2477300)	710
E5829766 (2477301)	30
E5829767 (2477302)	37
E5829768 (2477303)	22
E5829769 (2477304)	21
E5829770 (2477305)	55
E5829771 (2477306)	13
E5829772 (2477307)	15
E5829773 (2477308)	35
E5829774 (2477309)	54
E5829775 (2477310)	39
E5829776 (2477311)	64

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829777 (2477312)	38
E5829778 (2477313)	51
E5829779 (2477314)	55
E5829780 (2477315)	<5
E5829781 (2477316)	53
E5829782 (2477317)	54
E5829783 (2477318)	53
E5829784 (2477319)	56
E5829785 (2477320)	66
E5829786 (2477321)	91
E5829787 (2477322)	96
E5829788 (2477323)	69
E5829789 (2477324)	11
E5829790 (2477325)	23
E5829791 (2477326)	17
E5829792 (2477327)	12
E5829793 (2477328)	30
E5829794 (2477329)	83
E5829795 (2477330)	73
E5829796 (2477331)	77
E5829797 (2477332)	82
E5829798 (2477333)	81
E5829799 (2477334)	70

Comments: RDL - Reported Detection Limit

2477280-2477334 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829745 (2477280)	3	1	<5
E5829746 (2477281)	2	2	<5
E5829747 (2477282)	2	1	<5
E5829748 (2477283)	2	<1	<5
E5829749 (2477284)	1	<1	<5
E5829750 (2477285)	3	<1	<5
E5829751 (2477286)	2	<1	<5
E5829752 (2477287)	2	1	<5
E5829753 (2477288)	4	3	<5
E5829754 (2477289)	2	<1	<5
E5829755 (2477290)	2	1	<5
E5829756 (2477291)	2	1	<5
E5829757 (2477292)	2	1	<5
E5829758 (2477293)	2	<1	<5
E5829759 (2477294)	1	<1	<5
E5829760 (2477295)	<1	1	<5
E5829761 (2477296)	2	<1	<5
E5829762 (2477297)	1	1	<5
E5829763 (2477298)	3	<1	<5
E5829764 (2477299)	79	<1	<5
E5829765 (2477300)	40	<1	<5
E5829766 (2477301)	2	36	9
E5829767 (2477302)	2	10	15
E5829768 (2477303)	2	20	16
E5829769 (2477304)	2	48	92
E5829770 (2477305)	167	1350	691
E5829771 (2477306)	6	290	202
E5829772 (2477307)	2	251	300
E5829773 (2477308)	6	591	39
E5829774 (2477309)	2	52	<5
E5829775 (2477310)	3	6	<5
E5829776 (2477311)	3	<1	<5

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Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829777 (2477312)	9	1	<5
E5829778 (2477313)	4	<1	<5
E5829779 (2477314)	2	<1	<5
E5829780 (2477315)	1	<1	<5
E5829781 (2477316)	5	<1	<5
E5829782 (2477317)	2	<1	<5
E5829783 (2477318)	3	<1	<5
E5829784 (2477319)	3	<1	<5
E5829785 (2477320)	3	<1	<5
E5829786 (2477321)	3	<1	<5
E5829787 (2477322)	2	<1	<5
E5829788 (2477323)	46	2140	925
E5829789 (2477324)	3	22	6
E5829790 (2477325)	8	78	20
E5829791 (2477326)	1820	1660	220
E5829792 (2477327)	7	19	<5
E5829793 (2477328)	12	21	<5
E5829794 (2477329)	4	16	15
E5829795 (2477330)	3	15	14
E5829796 (2477331)	6	19	12
E5829797 (2477332)	5	16	11
E5829798 (2477333)	6	17	12
E5829799 (2477334)	3	13	8

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829745 (2477280)	77.01
E5829755 (2477290)	77.89
E5829765 (2477300)	78.09
E5829775 (2477310)	76.66
E5829785 (2477320)	79.29
E5829795 (2477330)	77.24

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 13, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829745 (2477280)	85.96
E5829763 (2477298)	90.57
E5829782 (2477317)	90.45

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2477280	< 0.5	< 0.5	0.0%	2477295	< 0.5	< 0.5	0.0%	2477306	< 0.5	< 0.5	0.0%	2477320	< 0.5	< 0.5	0.0%
Al	2477280	7.34	7.49	2.0%	2477295	8.25	8.28	0.4%	2477306	4.55	4.49	1.3%	2477320	7.16	7.17	0.1%
As	2477280	< 1	< 1	0.0%	2477295	< 1	< 1	0.0%	2477306	< 1	< 1	0.0%	2477320	< 1	< 1	0.0%
Ba	2477280	121	109	10.4%	2477295	141	143	1.4%	2477306	2	2	0.0%	2477320	209	207	1.0%
Be	2477280	2.2	2.2	0.0%	2477295	4.42	4.48	1.3%	2477306	< 0.5	< 0.5	0.0%	2477320	0.7	0.7	0.0%
Bi	2477280	< 1	< 1	0.0%	2477295	< 1	< 1	0.0%	2477306	< 1	< 1	0.0%	2477320	< 1	< 1	0.0%
Ca	2477280	4.64	4.59	1.1%	2477295	5.60	5.46	2.5%	2477306	4.78	4.81	0.6%	2477320	6.05	6.01	0.7%
Cd	2477280	< 0.5	< 0.5	0.0%	2477295	< 0.5	< 0.5	0.0%	2477306	< 0.5	< 0.5	0.0%	2477320	< 0.5	< 0.5	0.0%
Ce	2477280	12	12	0.0%	2477295	13	13	0.0%	2477306	2	2	0.0%	2477320	28	28	0.0%
Co	2477280	46.1	46.5	0.9%	2477295	39.1	39.5	1.0%	2477306	123	117	5.0%	2477320	41.2	40.9	0.7%
Cr	2477280	230	235	2.2%	2477295	206	201	2.5%	2477306	109	105	3.7%	2477320	71.9	78.2	8.4%
Cu	2477280	134	124	7.8%	2477295	38.2	38.3	0.3%	2477306	501	508	1.4%	2477320	146	144	1.4%
Fe	2477280	6.72	7.02	4.4%	2477295	7.38	7.20	2.5%	2477306	9.14	9.23	1.0%	2477320	9.68	9.60	0.8%
Ga	2477280	16	17	6.1%	2477295	21	20	4.9%	2477306	10	10	0.0%	2477320	22	21	4.7%
In	2477280	< 1	< 1	0.0%	2477295	< 1	< 1	0.0%	2477306	< 1	< 1	0.0%	2477320	< 1	< 1	0.0%
K	2477280	0.387	0.370	4.5%	2477295	0.72	0.72	0.0%	2477306	0.01	0.01	0.0%	2477320	0.44	0.44	0.0%
La	2477280	4	4	0.0%	2477295	4	5	22.2%	2477306	< 2	< 2	0.0%	2477320	10	10	0.0%
Li	2477280	31	33	6.3%	2477295	52	52	0.0%	2477306	17	17	0.0%	2477320	18	18	0.0%
Mg	2477280	5.14	5.36	4.2%	2477295	5.18	5.18	0.0%	2477306	11.1	11.1	0.0%	2477320	2.82	2.83	0.4%
Mn	2477280	1330	1350	1.5%	2477295	1410	1410	0.0%	2477306	1610	1630	1.2%	2477320	1460	1450	0.7%
Mo	2477280	< 0.5	< 0.5	0.0%	2477295	< 0.5	< 0.5	0.0%	2477306	< 0.5	< 0.5	0.0%	2477320	< 0.5	< 0.5	0.0%
Na	2477280	2.64	2.68	1.5%	2477295	2.14	2.11	1.4%	2477306	0.04	0.04	0.0%	2477320	1.64	1.62	1.2%
Ni	2477280	175	185	5.6%	2477295	165	168	1.8%	2477306	607	608	0.2%	2477320	45.3	44.6	1.6%
P	2477280	598	555	7.5%	2477295	485	496	2.2%	2477306	71	82	14.4%	2477320	651	640	1.7%
Pb	2477280	< 1	< 1	0.0%	2477295	< 1	< 1	0.0%	2477306	8	8	0.0%	2477320	3	3	0.0%
Rb	2477280	22	21	4.7%	2477295	42	44	4.7%	2477306	< 10	< 10	0.0%	2477320	14	14	0.0%
S	2477280	0.128	0.120	6.5%	2477295	0.099	0.092	7.3%	2477306	0.15	0.16	6.5%	2477320	0.208	0.204	1.9%
Sb	2477280	< 1	< 1	0.0%	2477295	< 1	< 1	0.0%	2477306	4	5	22.2%	2477320	< 1	< 1	0.0%
Sc	2477280	28	28	0.0%	2477295	27	27	0.0%	2477306	13	14	7.4%	2477320	37	37	0.0%
Se	2477280	< 10	< 10	0.0%	2477295	< 10	< 10	0.0%	2477306	< 10	< 10	0.0%	2477320	< 10	< 10	0.0%
Sn	2477280	< 5	< 5	0.0%	2477295	< 5	< 5	0.0%	2477306	< 5	< 5	0.0%	2477320	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark

Sr	2477280	144	135	6.5%	2477295	154	151	2.0%	2477306	6	6	0.0%	2477320	236	235	0.4%
Ta	2477280	< 10	< 10	0.0%	2477295	< 10	< 10	0.0%	2477306	< 10	< 10	0.0%	2477320	< 10	< 10	0.0%
Te	2477280	< 10	< 10	0.0%	2477295	< 10	< 10	0.0%	2477306	11	12	8.7%	2477320	< 10	< 10	0.0%
Th	2477280	< 5	< 5	0.0%	2477295	< 5	< 5	0.0%	2477306	< 5	< 5	0.0%	2477320	< 5	< 5	0.0%
Ti	2477280	0.439	0.447	1.8%	2477295	0.50	0.49	2.0%	2477306	0.08	0.09	11.8%	2477320	0.84	0.84	0.0%
Tl	2477280	< 5	< 5	0.0%	2477295	< 5	< 5	0.0%	2477306	< 5	< 5	0.0%	2477320	< 5	< 5	0.0%
U	2477280	7	7	0.0%	2477295	7	7	0.0%	2477306	10	10	0.0%	2477320	9	10	10.5%
V	2477280	214	217	1.4%	2477295	219	222	1.4%	2477306	61.7	67.3	8.7%	2477320	327	332	1.5%
W	2477280	< 1	< 1	0.0%	2477295	< 1	< 1	0.0%	2477306	< 1	< 1	0.0%	2477320	< 1	< 1	0.0%
Y	2477280	16	16	0.0%	2477295	18	19	5.4%	2477306	3	4	28.6%	2477320	29	30	3.4%
Zn	2477280	97.7	110	11.8%	2477295	98.2	95.9	2.4%	2477306	113	116	2.6%	2477320	98.8	93.4	5.6%
Zr	2477280	19	21	10.0%	2477295	24	24	0.0%	2477306	13	14	7.4%	2477320	66	68	3.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Ag	2477330	< 0.5	< 0.5	0.0%
Al	2477330	7.16	7.15	0.1%
As	2477330	< 1	< 1	0.0%
Ba	2477330	194	197	1.5%
Be	2477330	0.74	0.77	4.0%
Bi	2477330	< 1	< 1	0.0%
Ca	2477330	5.51	5.67	2.9%
Cd	2477330	< 0.5	< 0.5	0.0%
Ce	2477330	35	34	2.9%
Co	2477330	39.1	39.9	2.0%
Cr	2477330	76.6	68.0	11.9%
Cu	2477330	116	118	1.7%
Fe	2477330	8.79	9.24	5.0%
Ga	2477330	22	20	9.5%
In	2477330	< 1	< 1	0.0%
K	2477330	0.44	0.44	0.0%
La	2477330	15	14	6.9%
Li	2477330	17	17	0.0%
Mg	2477330	2.72	2.77	1.8%
Mn	2477330	1270	1290	1.6%

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Mo	2477330	< 0.5	< 0.5	0.0%												
Na	2477330	2.13	2.21	3.7%												
Ni	2477330	45.0	46.0	2.2%												
P	2477330	621	613	1.3%												
Pb	2477330	2	2	0.0%												
Rb	2477330	15	15	0.0%												
S	2477330	0.142	0.151	6.1%												
Sb	2477330	< 1	< 1	0.0%												
Sc	2477330	36	36	0.0%												
Se	2477330	< 10	< 10	0.0%												
Sn	2477330	< 5	< 5	0.0%												
Sr	2477330	237	238	0.4%												
Ta	2477330	< 10	< 10	0.0%												
Te	2477330	< 10	< 10	0.0%												
Th	2477330	< 5	< 5	0.0%												
Ti	2477330	0.639	0.677	5.8%												
Tl	2477330	< 5	< 5	0.0%												
U	2477330	9	10	10.5%												
V	2477330	298	298	0.0%												
W	2477330	< 1	< 1	0.0%												
Y	2477330	27	27	0.0%												
Zn	2477330	78.2	81.9	4.6%												
Zr	2477330	73	74	1.4%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2477280	3	3	0.0%	2477295	< 1	2		2477306	6	7	15.4%	2477320	3	3	0.0%
Pd	2477280	1	< 1		2477295	1	< 1		2477306	290	338	15.3%	2477320	< 1	< 1	0.0%
Pt	2477280	< 5	< 5	0.0%	2477295	< 5	< 5	0.0%	2477306	202	197	2.5%	2477320	< 5	< 5	0.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2477330	3	3	0.0%
Pd	2477330	15	17	12.5%
Pt	2477330	14	16	13.3%

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.04	95%	90% - 110%	6.96	6.98	100%	90% - 110%	13.0	12.3	95%	90% - 110%				
As	26	25	97%	90% - 110%	124	118	95%	90% - 110%								
Ba	540	504	93%	90% - 110%	186	185	100%	90% - 110%	1305	1266	97%	90% - 110%				
Be	4.0	3.2	80%	90% - 110%												
Ca	0.907	0.839	92%	90% - 110%	4.01	3.76	94%	90% - 110%	1.42	1.32	93%	90% - 110%				
Ce	98	97	99%	90% - 110%	24	23	95%	90% - 110%	58.24	55.69	96%	90% - 110%				
Co	15	12	80%	90% - 110%	22.1	18.6	84%	90% - 110%								
Cr	60.3	59.5	99%	90% - 110%												
Cu	150	155	103%	90% - 110%	88.6	90.6	102%	90% - 110%								
Fe	3.77	3.45	91%	90% - 110%	7.56	7.17	95%	90% - 110%	3.27	2.98	91%	90% - 110%				
Ga									22.63	20.88	92%	90% - 110%				
K					2.021	2.048	101%	90% - 110%	3.69	3.62	98%	90% - 110%				
La	44	43	98%	90% - 110%					27.48	25.69	93%	90% - 110%				
Li	47	47	100%	90% - 110%					64.95	64.88	100%	90% - 110%				
Mg	1.10	1.02	93%	90% - 110%	2.412	2.333	97%	90% - 110%	0.223	0.217	97%	90% - 110%				
Mn	780	716	92%	90% - 110%	1510	1423	94%	90% - 110%								
Mo	14	13	92%	90% - 110%												
Na	1.624	1.622	100%	90% - 110%	0.617	0.628	102%	90% - 110%	7.24	6.91	95%	90% - 110%				
Ni	32	31	95%	90% - 110%	77.1	70.5	91%	90% - 110%								
P	750	693	92%	90% - 110%	892	867	97%	90% - 110%								
Pb	31	24	76%	90% - 110%												
Rb	143	141	98%	90% - 110%												
S					0.348	0.354	102%	90% - 110%								
Sc	12	12	98%	90% - 110%					2.76	2.05	74%	90% - 110%				
Sr	144	145	101%	90% - 110%	92.8	91	98%	90% - 110%	312	313	100%	90% - 110%				
Th	18.4	17.1	93%	90% - 110%												
Ti	0.53	0.46	86%	90% - 110%					0.222	0.222	100%	90% - 110%				
V	77	74	96%	90% - 110%												
W	5	4	86%	90% - 110%												
Y									25.32	24.85	98%	90% - 110%				
Zn	130	118	91%	90% - 110%	208	207	100%	90% - 110%	75.42	76.05	101%	90% - 110%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.GSP6D)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	769	850	110%	90% - 110%					1897	2023	107%	90% - 110%	1897	1720	90%	90% - 110%
Pd					1660	1673	101%	90% - 110%	1660	1686	102%	90% - 110%	1660	1554	94%	90% - 110%
Pt					223	229	103%	90% - 110%	223	238	107%	90% - 110%	223	210	94%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
AGAT WORK ORDER: 21T747940
PROJECT: EAST BULL
ATTENTION TO: Garry Clark
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T747940

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

Results relate only to the items tested. Results apply to samples as received.

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT:

AGAT WORK ORDER: 21T747949

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 22, 2021

PAGES (INCLUDING COVER): 22

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829800 (2477407)	0.1100
E5829801 (2477408)	2.4390
E5829802 (2477409)	2.3360
E5829803 (2477410)	2.3395
E5829804 (2477411)	1.7410
E5829805 (2477412)	2.2845
E5829806 (2477413)	2.3147
E5829807 (2477414)	1.9757
E5829808 (2477415)	1.9532
E5829809 (2477416)	2.4434
E5829810 (2477417)	0.6539
E5829811 (2477418)	2.2778
E5829812 (2477419)	2.4188
E5829813 (2477420)	2.4375
E5829814 (2477421)	2.2531
E5829815 (2477422)	2.5986
E5829816 (2477423)	2.4516
E5829817 (2477424)	2.3901
E5829818 (2477425)	2.3953
E5829819 (2477426)	2.2281
E5829820 (2477427)	1.2747
E5829821 (2477428)	1.0902
E5829822 (2477429)	2.5877
E5829823 (2477430)	2.3208
E5829824 (2477431)	2.6396
E5829825 (2477432)	2.3602
E5829826 (2477433)	2.3518
E5829827 (2477434)	2.6400
E5829828 (2477435)	2.6045
E5829829 (2477436)	2.4344
E5829830 (2477437)	0.1115

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829831 (2477438)	2.1770
E5829832 (2477439)	2.4496
E5829833 (2477440)	2.2756
E5829834 (2477441)	2.4417
E5829835 (2477442)	2.6200
E5829836 (2477443)	2.5078
E5829837 (2477444)	2.5310
E5829838 (2477445)	2.4567
E5829839 (2477446)	2.3013
E5829840 (2477447)	0.6912
E5829841 (2477448)	2.2915
E5829842 (2477449)	2.3258
E5829843 (2477450)	2.2705
E5829844 (2477451)	2.2331
E5829845 (2477452)	2.3441
E5829846 (2477453)	2.1856
E5829847 (2477454)	2.2354
E5829848 (2477455)	2.2662
E5829849 (2477456)	2.2797
E5829850 (2477457)	2.4130
E5829851 (2477458)	2.2460
E5829852 (2477459)	2.1001
E5829853 (2477460)	2.4351
E5829854 (2477461)	2.2635

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829800 (2477407)	3.0	6.73	<1	273	0.8	<1	3.88	<0.5	26	183	235	6780	12.5	<5
E5829801 (2477408)	<0.5	6.80	<1	193	0.8	<1	6.18	<0.5	33	42.6	61.4	125	8.92	20
E5829802 (2477409)	<0.5	7.07	<1	129	0.9	<1	5.12	<0.5	33	46.9	52.2	150	9.54	19
E5829803 (2477410)	<0.5	6.60	<1	89	0.8	<1	5.48	<0.5	29	35.7	61.5	221	8.50	18
E5829804 (2477411)	<0.5	8.15	<1	187	0.8	<1	3.69	<0.5	13	58.8	210	1050	6.90	15
E5829805 (2477412)	0.8	9.29	<1	194	<0.5	<1	5.38	<0.5	6	70.9	260	1660	5.30	13
E5829806 (2477413)	0.6	6.97	<1	95	<0.5	<1	4.69	<0.5	5	87.2	358	1010	7.77	9
E5829807 (2477414)	1.6	8.07	<1	164	<0.5	<1	4.61	<0.5	4	103	363	3200	7.34	11
E5829808 (2477415)	0.7	7.88	<1	182	<0.5	<1	4.41	<0.5	4	66.5	473	1590	6.04	9
E5829809 (2477416)	0.6	9.17	<1	185	<0.5	<1	6.01	<0.5	3	58.9	237	1270	5.21	14
E5829810 (2477417)	<0.5	0.06	<1	480	<0.5	<1	19.6	<0.5	<1	<0.5	2.9	<0.5	0.06	<5
E5829811 (2477418)	<0.5	10.6	<1	172	<0.5	<1	6.17	<0.5	2	40.9	134	273	4.13	17
E5829812 (2477419)	<0.5	9.56	<1	126	<0.5	<1	6.52	<0.5	2	47.7	156	455	4.57	14
E5829813 (2477420)	0.6	10.8	<1	116	<0.5	<1	6.82	<0.5	1	77.3	71.9	845	4.39	17
E5829814 (2477421)	<0.5	10.7	<1	139	<0.5	<1	6.22	<0.5	1	59.8	95.2	521	4.23	17
E5829815 (2477422)	<0.5	10.3	<1	111	<0.5	<1	7.64	<0.5	1	49.3	52.9	551	3.62	19
E5829816 (2477423)	0.5	10.2	<1	110	<0.5	<1	7.17	<0.5	3	66.2	147	820	4.47	18
E5829817 (2477424)	<0.5	8.70	<1	87	<0.5	<1	5.82	<0.5	8	50.8	303	362	5.35	13
E5829818 (2477425)	<0.5	8.55	<1	71	<0.5	<1	6.15	<0.5	6	54.1	426	727	5.55	16
E5829819 (2477426)	<0.5	10.7	<1	116	<0.5	<1	5.52	<0.5	2	45.7	124	257	4.15	16
E5829820 (2477427)	<0.5	8.96	<1	47	<0.5	<1	7.05	<0.5	1	60.3	1120	1430	5.73	15
E5829821 (2477428)	<0.5	9.14	<1	56	<0.5	<1	6.82	<0.5	<1	56.3	1020	78.3	5.56	14
E5829822 (2477429)	<0.5	10.1	<1	17	<0.5	<1	8.74	<0.5	2	53.8	569	547	4.78	19
E5829823 (2477430)	0.9	8.80	<1	81	<0.5	<1	6.60	<0.5	4	70.5	638	1540	5.51	12
E5829824 (2477431)	<0.5	8.02	<1	89	<0.5	<1	7.12	<0.5	3	69.8	927	918	5.49	12
E5829825 (2477432)	<0.5	7.84	<1	85	<0.5	<1	5.43	<0.5	15	51.2	655	1020	5.64	13
E5829826 (2477433)	1.9	3.65	<1	4	<0.5	<1	5.46	1.3	9	99.7	518	2540	9.26	6
E5829827 (2477434)	0.6	3.02	<1	<1	<0.5	<1	6.13	<0.5	<1	138	908	1410	9.02	<5
E5829828 (2477435)	<0.5	3.33	<1	<1	<0.5	<1	5.68	<0.5	1	106	792	868	9.28	6
E5829829 (2477436)	<0.5	6.26	<1	<1	<0.5	<1	3.74	<0.5	2	111	547	46.0	12.2	13
E5829830 (2477437)	3.1	6.70	<1	271	0.8	<1	3.83	<0.5	25	176	235	6670	12.3	<5
E5829831 (2477438)	<0.5	9.15	<1	<1	<0.5	<1	1.10	<0.5	2	124	434	17.6	14.2	20

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829832 (2477439)	<0.5	8.64	<1	43	<0.5	<1	3.72	<0.5	5	78.1	423	149	8.90	15
E5829833 (2477440)	<0.5	9.44	<1	99	<0.5	<1	5.38	<0.5	2	44.2	144	168	5.29	15
E5829834 (2477441)	<0.5	6.68	<1	46	<0.5	<1	5.83	<0.5	2	64.9	894	48.4	6.80	8
E5829835 (2477442)	<0.5	8.31	<1	32	<0.5	<1	7.76	<0.5	<1	53.2	1040	37.5	6.01	16
E5829836 (2477443)	<0.5	7.11	<1	58	<0.5	<1	5.75	<0.5	9	54.8	315	276	6.73	13
E5829837 (2477444)	<0.5	6.64	<1	56	<0.5	<1	5.45	<0.5	3	61.8	371	380	6.91	10
E5829838 (2477445)	<0.5	8.04	<1	53	<0.5	<1	5.76	<0.5	2	54.8	317	592	6.68	13
E5829839 (2477446)	<0.5	8.83	<1	62	<0.5	<1	4.67	<0.5	<1	44.7	199	471	6.41	15
E5829840 (2477447)	<0.5	0.06	<1	697	<0.5	<1	18.0	<0.5	<1	<0.5	7.3	<0.5	0.06	<5
E5829841 (2477448)	<0.5	9.40	<1	83	<0.5	<1	5.40	<0.5	<1	38.2	130	110	5.73	16
E5829842 (2477449)	<0.5	9.26	<1	62	<0.5	<1	6.99	<0.5	<1	44.9	142	153	6.11	19
E5829843 (2477450)	<0.5	9.30	<1	94	<0.5	<1	5.87	<0.5	<1	43.1	129	206	5.97	19
E5829844 (2477451)	<0.5	9.86	<1	119	<0.5	<1	6.19	<0.5	<1	23.3	93.9	37.0	4.63	20
E5829845 (2477452)	<0.5	10.0	<1	82	1.7	<1	6.64	<0.5	<1	22.8	69.0	40.8	4.39	23
E5829846 (2477453)	<0.5	9.44	<1	130	<0.5	<1	4.87	<0.5	2	29.4	102	69.3	5.67	17
E5829847 (2477454)	<0.5	10.3	<1	214	<0.5	<1	4.45	<0.5	5	32.6	87.4	105	4.74	20
E5829848 (2477455)	<0.5	8.51	<1	41	<0.5	<1	6.82	<0.5	<1	58.6	49.4	351	10.1	32
E5829849 (2477456)	<0.5	8.71	<1	76	<0.5	<1	5.95	<0.5	<1	26.8	26.3	83.9	12.4	31
E5829850 (2477457)	<0.5	8.94	<1	71	<0.5	<1	5.87	<0.5	<1	35.7	29.9	106	12.0	29
E5829851 (2477458)	<0.5	8.73	<1	31	<0.5	<1	7.27	<0.5	2	34.4	29.4	197	13.3	33
E5829852 (2477459)	<0.5	8.64	<1	138	<0.5	<1	5.33	<0.5	4	31.0	144	27.3	6.64	18
E5829853 (2477460)	<0.5	8.67	<1	179	<0.5	<1	4.67	<0.5	5	35.7	116	67.5	6.63	16
E5829854 (2477461)	<0.5	7.53	<1	121	<0.5	<1	4.38	<0.5	3	30.6	158	19.3	6.65	14

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829800 (2477407)	<1	0.64	9	11	3.84	1170	2.5	1.78	9030	581	41	15	3.05	<1
E5829801 (2477408)	<1	0.36	12	21	2.61	1290	2.9	2.32	44.1	584	<1	<10	0.17	<1
E5829802 (2477409)	<1	0.31	12	21	2.93	1360	0.8	2.23	49.5	601	<1	<10	0.16	<1
E5829803 (2477410)	<1	0.30	11	17	2.69	1170	2.5	2.13	40.4	599	<1	<10	0.15	<1
E5829804 (2477411)	<1	1.39	5	76	5.86	1060	<0.5	1.65	392	187	<1	67	0.24	<1
E5829805 (2477412)	<1	1.10	<2	54	5.34	954	<0.5	1.82	718	82	2	75	0.39	5
E5829806 (2477413)	<1	0.56	<2	46	8.12	1490	<0.5	0.97	606	111	3	35	0.26	3
E5829807 (2477414)	<1	0.80	<2	41	6.76	1190	<0.5	1.46	1240	99	13	50	0.70	3
E5829808 (2477415)	<1	1.26	<2	63	6.60	1110	7.3	1.67	713	57	6	64	0.34	5
E5829809 (2477416)	<1	1.00	<2	50	5.64	1010	<0.5	1.90	479	38	<1	78	0.32	2
E5829810 (2477417)	<1	0.01	<2	3	12.4	428	<0.5	0.03	1.9	27	<1	<10	0.33	<1
E5829811 (2477418)	<1	0.89	<2	44	4.85	812	<0.5	2.25	148	34	<1	54	0.14	3
E5829812 (2477419)	<1	0.81	<2	42	5.36	975	<0.5	1.82	237	43	<1	52	0.20	3
E5829813 (2477420)	<1	0.84	<2	36	3.91	748	<0.5	2.28	579	28	<1	59	0.66	1
E5829814 (2477421)	<1	0.87	<2	43	4.50	850	<0.5	2.43	383	39	<1	46	0.24	2
E5829815 (2477422)	<1	0.76	<2	36	3.38	770	<0.5	2.25	362	41	<1	38	0.26	<1
E5829816 (2477423)	<1	0.69	<2	38	4.08	867	<0.5	2.04	511	63	<1	39	0.38	<1
E5829817 (2477424)	<1	0.52	3	36	5.40	1090	<0.5	2.46	246	126	<1	24	0.15	3
E5829818 (2477425)	<1	0.45	2	35	5.56	1110	<0.5	2.09	321	67	<1	18	0.22	4
E5829819 (2477426)	<1	0.70	<2	48	4.42	850	0.5	2.49	289	40	<1	26	0.15	3
E5829820 (2477427)	<1	0.27	<2	31	5.45	1190	<0.5	1.67	400	41	<1	11	0.29	8
E5829821 (2477428)	<1	0.32	<2	33	5.57	1200	<0.5	1.77	371	41	<1	13	0.14	8
E5829822 (2477429)	<1	0.11	<2	21	3.70	981	0.7	1.73	410	56	<1	<10	0.28	4
E5829823 (2477430)	<1	0.45	<2	31	4.97	1100	<0.5	2.12	616	63	<1	20	0.39	5
E5829824 (2477431)	<1	0.41	<2	29	5.55	1210	<0.5	1.66	599	36	<1	20	0.33	7
E5829825 (2477432)	<1	0.49	6	35	5.28	1110	1.1	1.92	443	151	6	16	0.25	5
E5829826 (2477433)	<1	0.03	2	20	8.81	1780	<0.5	0.31	837	205	187	<10	0.52	3
E5829827 (2477434)	<1	<0.01	<2	4	10.8	1770	<0.5	0.06	921	48	27	<10	0.62	6
E5829828 (2477435)	<1	0.01	<2	3	10.3	1760	<0.5	0.07	859	74	56	<10	0.30	6
E5829829 (2477436)	<1	0.01	<2	21	9.95	1790	<0.5	0.07	527	43	3	<10	0.07	6
E5829830 (2477437)	<1	0.61	9	11	3.74	1150	2.3	1.76	8900	550	40	16	3.06	<1
E5829831 (2477438)	<1	<0.01	<2	42	9.58	1880	<0.5	0.03	337	28	<1	<10	0.03	8

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829832 (2477439)	<1	0.21	<2	43	7.14	1530	<0.5	1.23	340	35	<1	<10	0.12	5
E5829833 (2477440)	<1	0.46	<2	38	5.26	1110	<0.5	2.30	177	33	<1	14	0.13	2
E5829834 (2477441)	<1	0.25	<2	35	7.18	1550	<0.5	1.32	422	35	1	<10	0.14	4
E5829835 (2477442)	<1	0.32	<2	39	5.09	1210	<0.5	1.03	297	59	<1	<10	0.17	7
E5829836 (2477443)	<1	0.31	3	51	6.24	1400	<0.5	1.15	211	189	<1	<10	0.16	3
E5829837 (2477444)	<1	0.25	<2	32	6.74	1560	<0.5	1.23	282	34	<1	<10	0.15	4
E5829838 (2477445)	<1	0.19	<2	27	6.13	1410	<0.5	1.64	302	26	<1	<10	0.21	4
E5829839 (2477446)	<1	0.31	<2	41	5.40	1270	<0.5	2.06	302	43	<1	<10	0.25	<1
E5829840 (2477447)	2	0.01	<2	7	11.1	413	<0.5	0.03	<0.5	31	<1	<10	0.31	<1
E5829841 (2477448)	<1	0.41	<2	37	4.74	1150	<0.5	2.30	160	35	<1	16	0.25	<1
E5829842 (2477449)	<1	0.41	<2	50	4.30	993	<0.5	1.86	145	28	5	15	0.82	3
E5829843 (2477450)	<1	0.43	<2	39	4.41	1010	<0.5	2.43	137	41	<1	22	0.52	<1
E5829844 (2477451)	<1	0.48	<2	32	3.51	877	<0.5	2.63	103	48	<1	21	0.16	<1
E5829845 (2477452)	<1	0.27	<2	23	3.38	818	<0.5	2.74	72.7	68	<1	11	0.15	<1
E5829846 (2477453)	<1	0.44	<2	30	4.15	947	<0.5	2.69	100	79	<1	17	0.15	1
E5829847 (2477454)	<1	0.91	3	47	3.18	763	<0.5	3.20	83.6	101	<1	48	0.23	<1
E5829848 (2477455)	<1	0.46	<2	37	3.96	1280	<0.5	1.37	81.7	44	<1	12	0.85	<1
E5829849 (2477456)	<1	0.52	<2	43	2.87	1240	<0.5	1.54	19.0	25	<1	15	0.60	<1
E5829850 (2477457)	<1	0.48	<2	52	3.02	1290	<0.5	1.53	28.3	25	<1	14	0.63	<1
E5829851 (2477458)	<1	0.24	<2	30	2.95	1360	<0.5	1.08	28.4	98	<1	<10	1.44	<1
E5829852 (2477459)	<1	0.54	<2	37	4.41	1200	<0.5	2.39	134	85	<1	28	0.15	<1
E5829853 (2477460)	<1	0.68	<2	40	4.78	1260	<0.5	2.70	147	99	6	41	0.27	<1
E5829854 (2477461)	<1	0.59	<2	41	5.32	1310	<0.5	2.45	164	78	<1	28	0.15	<1

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829800 (2477407)	9	<10	<5	282	<10	<10	<5	0.57	<5	6	104	<1	10	112
E5829801 (2477408)	30	<10	<5	204	<10	<10	<5	0.62	<5	5	281	<1	22	78.4
E5829802 (2477409)	33	<10	<5	220	<10	<10	<5	0.63	<5	<5	295	<1	23	75.3
E5829803 (2477410)	29	<10	<5	216	<10	<10	<5	0.57	<5	6	271	<1	20	56.3
E5829804 (2477411)	21	<10	<5	140	<10	<10	<5	0.24	<5	<5	138	<1	9	72.6
E5829805 (2477412)	16	<10	<5	191	<10	<10	<5	0.12	<5	<5	86.6	<1	3	101
E5829806 (2477413)	20	<10	<5	78	<10	<10	<5	0.12	<5	<5	97.8	<1	3	94.8
E5829807 (2477414)	20	<10	<5	154	<10	<10	<5	0.12	<5	<5	99.4	<1	3	104
E5829808 (2477415)	25	<10	<5	112	<10	<10	<5	0.11	<5	<5	110	<1	4	162
E5829809 (2477416)	20	<10	<5	200	<10	<10	<5	0.09	<5	<5	86.7	<1	2	75.8
E5829810 (2477417)	<1	<10	<5	122	<10	<10	<5	<0.01	<5	6	<0.5	<1	<1	4.6
E5829811 (2477418)	14	<10	<5	317	<10	<10	<5	0.06	<5	<5	54.7	<1	<1	58.7
E5829812 (2477419)	21	<10	<5	298	<10	<10	<5	0.07	<5	<5	78.7	<1	1	55.8
E5829813 (2477420)	13	<10	<5	320	<10	<10	<5	0.06	<5	<5	47.7	<1	<1	49.5
E5829814 (2477421)	13	<10	<5	377	<10	<10	<5	0.06	<5	<5	58.2	<1	<1	48.3
E5829815 (2477422)	22	<10	<5	344	<10	<10	<5	0.09	<5	<5	93.0	<1	<1	39.6
E5829816 (2477423)	20	<10	<5	340	<10	<10	<5	0.11	<5	<5	89.6	<1	2	54.6
E5829817 (2477424)	27	<10	<5	237	<10	<10	<5	0.17	<5	<5	133	<1	6	55.7
E5829818 (2477425)	23	<10	<5	240	<10	<10	<5	0.12	<5	<5	110	<1	5	58.8
E5829819 (2477426)	14	<10	<5	306	<10	<10	<5	0.07	<5	<5	57.1	<1	1	43.1
E5829820 (2477427)	29	<10	<5	271	<10	<10	<5	0.13	<5	<5	136	<1	2	66.9
E5829821 (2477428)	28	<10	<5	270	<10	<10	<5	0.13	<5	<5	132	<1	2	62.1
E5829822 (2477429)	22	<10	<5	405	<10	<10	<5	0.13	<5	<5	107	<1	3	48.1
E5829823 (2477430)	25	<10	<5	321	<10	<10	<5	0.12	<5	<5	110	<1	4	75.8
E5829824 (2477431)	32	<10	<5	236	<10	<10	<5	0.12	<5	<5	132	<1	4	116
E5829825 (2477432)	23	<10	<5	197	<10	<10	<5	0.18	<5	<5	116	<1	10	106
E5829826 (2477433)	32	<10	<5	19	<10	<10	<5	0.28	<5	<5	180	<1	10	554
E5829827 (2477434)	29	<10	<5	3	<10	<10	<5	0.14	<5	<5	138	<1	4	236
E5829828 (2477435)	30	<10	<5	4	<10	<10	<5	0.14	<5	<5	139	<1	4	190
E5829829 (2477436)	31	<10	<5	3	<10	<10	<5	0.13	<5	<5	133	<1	5	121
E5829830 (2477437)	9	<10	<5	281	<10	<10	<5	0.57	<5	<5	103	<1	10	112
E5829831 (2477438)	27	<10	<5	<1	<10	<10	<5	0.11	<5	<5	121	<1	2	156

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829832 (2477439)	28	<10	<5	127	<10	<10	<5	0.13	<5	<5	110	<1	4	113
E5829833 (2477440)	22	<10	<5	239	<10	<10	<5	0.10	<5	<5	80.9	<1	1	84.3
E5829834 (2477441)	33	<10	<5	140	<10	<10	<5	0.24	<5	<5	172	<1	6	112
E5829835 (2477442)	33	<10	<5	300	<10	<10	<5	0.21	<5	<5	204	<1	3	62.9
E5829836 (2477443)	28	<10	<5	123	<10	<10	<5	0.20	<5	<5	148	<1	7	72.0
E5829837 (2477444)	31	<10	<5	137	<10	<10	<5	0.11	<5	<5	115	<1	3	78.9
E5829838 (2477445)	26	<10	<5	190	<10	<10	<5	0.09	<5	<5	93.0	<1	2	79.0
E5829839 (2477446)	19	<10	<5	173	<10	<10	<5	0.15	<5	<5	129	<1	<1	72.5
E5829840 (2477447)	<1	<10	<5	111	<10	<10	<5	<0.01	<5	<5	<0.5	<1	<1	10.1
E5829841 (2477448)	20	<10	<5	227	<10	<10	<5	0.16	<5	<5	145	<1	<1	67.6
E5829842 (2477449)	21	<10	<5	187	<10	<10	<5	0.15	<5	<5	158	<1	1	89.4
E5829843 (2477450)	23	<10	<5	311	<10	<10	<5	0.22	<5	<5	173	<1	2	66.2
E5829844 (2477451)	16	<10	<5	453	<10	<10	<5	0.21	<5	<5	166	<1	1	52.8
E5829845 (2477452)	20	<10	<5	455	<10	<10	<5	0.17	<5	<5	142	<1	2	46.1
E5829846 (2477453)	15	<10	<5	417	<10	<10	<5	0.20	<5	<5	128	<1	2	62.9
E5829847 (2477454)	9	<10	<5	434	<10	<10	<5	0.17	<5	<5	103	<1	1	54.9
E5829848 (2477455)	28	<10	<5	429	<10	<10	<5	0.99	<5	<5	105	<1	<1	65.7
E5829849 (2477456)	33	<10	<5	344	<10	<10	<5	1.36	<5	<5	98.9	<1	<1	52.8
E5829850 (2477457)	28	<10	<5	378	<10	<10	<5	1.31	<5	<5	91.4	<1	<1	57.8
E5829851 (2477458)	37	<10	<5	567	<10	<10	<5	1.51	<5	<5	115	<1	4	54.7
E5829852 (2477459)	20	<10	<5	355	<10	<10	<5	0.32	<5	<5	165	<1	7	63.8
E5829853 (2477460)	21	<10	<5	326	<10	<10	<5	0.34	<5	<5	173	<1	7	102
E5829854 (2477461)	21	<10	<5	178	<10	<10	<5	0.31	<5	<5	173	<1	6	84.1

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829800 (2477407)	49
E5829801 (2477408)	57
E5829802 (2477409)	71
E5829803 (2477410)	52
E5829804 (2477411)	25
E5829805 (2477412)	11
E5829806 (2477413)	13
E5829807 (2477414)	18
E5829808 (2477415)	9
E5829809 (2477416)	7
E5829810 (2477417)	<5
E5829811 (2477418)	<5
E5829812 (2477419)	<5
E5829813 (2477420)	<5
E5829814 (2477421)	<5
E5829815 (2477422)	<5
E5829816 (2477423)	8
E5829817 (2477424)	16
E5829818 (2477425)	9
E5829819 (2477426)	<5
E5829820 (2477427)	<5
E5829821 (2477428)	<5
E5829822 (2477429)	6
E5829823 (2477430)	9
E5829824 (2477431)	7
E5829825 (2477432)	25
E5829826 (2477433)	24
E5829827 (2477434)	8
E5829828 (2477435)	11
E5829829 (2477436)	16
E5829830 (2477437)	49
E5829831 (2477438)	8

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829832 (2477439)	7
E5829833 (2477440)	<5
E5829834 (2477441)	5
E5829835 (2477442)	<5
E5829836 (2477443)	24
E5829837 (2477444)	8
E5829838 (2477445)	<5
E5829839 (2477446)	<5
E5829840 (2477447)	<5
E5829841 (2477448)	<5
E5829842 (2477449)	<5
E5829843 (2477450)	<5
E5829844 (2477451)	5
E5829845 (2477452)	<5
E5829846 (2477453)	<5
E5829847 (2477454)	6
E5829848 (2477455)	<5
E5829849 (2477456)	5
E5829850 (2477457)	5
E5829851 (2477458)	7
E5829852 (2477459)	7
E5829853 (2477460)	7
E5829854 (2477461)	6

Comments: RDL - Reported Detection Limit

2477407-2477461 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829800 (2477407)	178	1270	638
E5829801 (2477408)	4	14	12
E5829802 (2477409)	3	15	15
E5829803 (2477410)	9	12	10
E5829804 (2477411)	42	97	54
E5829805 (2477412)	146	2360	1040
E5829806 (2477413)	54	309	342
E5829807 (2477414)	133	3300	1250
E5829808 (2477415)	155	119	53
E5829809 (2477416)	43	643	209
E5829810 (2477417)	2	5	<5
E5829811 (2477418)	9	22	<5
E5829812 (2477419)	21	584	179
E5829813 (2477420)	26	369	103
E5829814 (2477421)	13	96	23
E5829815 (2477422)	22	45	12
E5829816 (2477423)	22	346	94
E5829817 (2477424)	7	28	18
E5829818 (2477425)	13	143	56
E5829819 (2477426)	27	12	<5
E5829820 (2477427)	7	3	<5
E5829821 (2477428)	4	5	<5
E5829822 (2477429)	16	53	29
E5829823 (2477430)	64	829	445
E5829824 (2477431)	23	677	211
E5829825 (2477432)	48	669	291
E5829826 (2477433)	112	1590	537
E5829827 (2477434)	60	72	28
E5829828 (2477435)	38	325	105
E5829829 (2477436)	3	40	16
E5829830 (2477437)	165	1380	651
E5829831 (2477438)	2	9	<5

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AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829832 (2477439)	6	36	12
E5829833 (2477440)	6	7	<5
E5829834 (2477441)	2	8	<5
E5829835 (2477442)	2	5	<5
E5829836 (2477443)	13	69	73
E5829837 (2477444)	15	111	82
E5829838 (2477445)	32	137	102
E5829839 (2477446)	16	72	29
E5829840 (2477447)	2	<1	<5
E5829841 (2477448)	3	3	<5
E5829842 (2477449)	6	3	<5
E5829843 (2477450)	4	2	<5
E5829844 (2477451)	2	2	<5
E5829845 (2477452)	3	<1	<5
E5829846 (2477453)	2	2	<5
E5829847 (2477454)	3	10	<5
E5829848 (2477455)	3	3	<5
E5829849 (2477456)	3	<1	<5
E5829850 (2477457)	4	1	<5
E5829851 (2477458)	4	1	<5
E5829852 (2477459)	3	1	<5
E5829853 (2477460)	2	2	<5
E5829854 (2477461)	8	<1	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829813 (2477420)	75.31
E5829825 (2477432)	75.35
E5829835 (2477442)	75.67

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T747949
PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: May 16, 2021 | DATE RECEIVED: May 17, 2021 | DATE REPORTED: Jul 22, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.005
E5829800 (2477407)	87.3
E5829819 (2477426)	89.6
E5829842 (2477449)	87.5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2477408	< 0.5	< 0.5	0.0%	2477422	< 0.5	< 0.5	0.0%	2477432	< 0.5	< 0.5	0.0%	2477448	< 0.5	< 0.5	0.0%
Al	2477408	6.80	6.86	0.9%	2477422	10.3	10.8	4.7%	2477432	7.84	7.77	0.9%	2477448	9.40	9.37	0.3%
As	2477408	< 1	< 1	0.0%	2477422	< 1	< 1	0.0%	2477432	< 1	< 1	0.0%	2477448	< 1	< 1	0.0%
Ba	2477408	193	181	6.4%	2477422	111	117	5.3%	2477432	85	83	2.4%	2477448	83	82	1.2%
Be	2477408	0.8	0.8	0.0%	2477422	< 0.5	< 0.5	0.0%	2477432	< 0.5	< 0.5	0.0%	2477448	< 0.5	< 0.5	0.0%
Bi	2477408	< 1	< 1	0.0%	2477422	< 1	< 1	0.0%	2477432	< 1	< 1	0.0%	2477448	< 1	< 1	0.0%
Ca	2477408	6.18	5.98	3.3%	2477422	7.64	7.85	2.7%	2477432	5.43	5.50	1.3%	2477448	5.40	5.35	0.9%
Cd	2477408	< 0.5	< 0.5	0.0%	2477422	< 0.5	< 0.5	0.0%	2477432	< 0.5	< 0.5	0.0%	2477448	< 0.5	< 0.5	0.0%
Ce	2477408	33	33	0.0%	2477422	1	1	0.0%	2477432	15	15	0.0%	2477448	< 1	< 1	0.0%
Co	2477408	42.6	43.1	1.2%	2477422	49.3	51.1	3.6%	2477432	51.2	52.8	3.1%	2477448	38.2	38.8	1.6%
Cr	2477408	61.4	57.8	6.0%	2477422	52.9	54.0	2.1%	2477432	655	637	2.8%	2477448	130	152	15.6%
Cu	2477408	125	132	5.4%	2477422	551	573	3.9%	2477432	1020	1130	10.2%	2477448	110	111	0.9%
Fe	2477408	8.92	8.86	0.7%	2477422	3.62	3.72	2.7%	2477432	5.64	5.72	1.4%	2477448	5.73	5.67	1.1%
Ga	2477408	20	19	5.1%	2477422	19	20	5.1%	2477432	13	12	8.0%	2477448	16	16	0.0%
In	2477408	< 1	< 1	0.0%	2477422	< 1	< 1	0.0%	2477432	< 1	< 1	0.0%	2477448	< 1	< 1	0.0%
K	2477408	0.360	0.351	2.5%	2477422	0.76	0.80	5.1%	2477432	0.49	0.50	2.0%	2477448	0.41	0.41	0.0%
La	2477408	12	12	0.0%	2477422	< 2	< 2	0.0%	2477432	6	6	0.0%	2477448	< 2	< 2	0.0%
Li	2477408	21	22	4.7%	2477422	36	38	5.4%	2477432	35	35	0.0%	2477448	37	37	0.0%
Mg	2477408	2.61	2.63	0.8%	2477422	3.38	3.55	4.9%	2477432	5.28	5.45	3.2%	2477448	4.74	4.74	0.0%
Mn	2477408	1290	1310	1.5%	2477422	770	806	4.6%	2477432	1110	1150	3.5%	2477448	1150	1150	0.0%
Mo	2477408	2.94	2.44	18.6%	2477422	< 0.5	< 0.5	0.0%	2477432	1.1	0.6		2477448	< 0.5	< 0.5	0.0%
Na	2477408	2.32	2.30	0.9%	2477422	2.25	2.31	2.6%	2477432	1.92	1.84	4.3%	2477448	2.30	2.27	1.3%
Ni	2477408	44.1	43.3	1.8%	2477422	362	372	2.7%	2477432	443	474	6.8%	2477448	160	161	0.6%
P	2477408	584	598	2.4%	2477422	41	42	2.4%	2477432	151	140	7.6%	2477448	35	39	10.8%
Pb	2477408	< 1	< 1	0.0%	2477422	< 1	< 1	0.0%	2477432	6	8	28.6%	2477448	< 1	< 1	0.0%
Rb	2477408	< 10	< 10	0.0%	2477422	38	40	5.1%	2477432	16	16	0.0%	2477448	16	16	0.0%
S	2477408	0.171	0.181	5.7%	2477422	0.260	0.265	1.9%	2477432	0.25	0.27	7.7%	2477448	0.25	0.25	0.0%
Sb	2477408	< 1	< 1	0.0%	2477422	< 1	< 1	0.0%	2477432	5	3		2477448	< 1	2	
Sc	2477408	30	30	0.0%	2477422	22	23	4.4%	2477432	23	24	4.3%	2477448	20	20	0.0%
Se	2477408	< 10	< 10	0.0%	2477422	< 10	< 10	0.0%	2477432	< 10	< 10	0.0%	2477448	< 10	< 10	0.0%
Sn	2477408	< 5	< 5	0.0%	2477422	< 5	< 5	0.0%	2477432	< 5	< 5	0.0%	2477448	< 5	< 5	0.0%

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sr	2477408	204	202	1.0%	2477422	344	355	3.1%	2477432	197	191	3.1%	2477448	227	224	1.3%
Ta	2477408	< 10	< 10	0.0%	2477422	< 10	< 10	0.0%	2477432	< 10	< 10	0.0%	2477448	< 10	< 10	0.0%
Te	2477408	< 10	< 10	0.0%	2477422	< 10	< 10	0.0%	2477432	< 10	< 10	0.0%	2477448	< 10	< 10	0.0%
Th	2477408	< 5	< 5	0.0%	2477422	< 5	< 5	0.0%	2477432	< 5	< 5	0.0%	2477448	< 5	< 5	0.0%
Ti	2477408	0.62	0.62	0.0%	2477422	0.09	0.09	0.0%	2477432	0.18	0.18	0.0%	2477448	0.16	0.16	0.0%
Tl	2477408	< 5	< 5	0.0%	2477422	< 5	< 5	0.0%	2477432	< 5	< 5	0.0%	2477448	< 5	< 5	0.0%
U	2477408	5	6	18.2%	2477422	< 5	< 5	0.0%	2477432	< 5	< 5	0.0%	2477448	< 5	< 5	0.0%
V	2477408	281	280	0.4%	2477422	93.0	96.6	3.8%	2477432	116	119	2.6%	2477448	145	146	0.7%
W	2477408	< 1	< 1	0.0%	2477422	< 1	< 1	0.0%	2477432	< 1	< 1	0.0%	2477448	< 1	< 1	0.0%
Y	2477408	22	22	0.0%	2477422	< 1	< 1	0.0%	2477432	10	10	0.0%	2477448	< 1	< 1	0.0%
Zn	2477408	78.4	76.8	2.1%	2477422	39.6	40.4	2.0%	2477432	106	114	7.3%	2477448	67.6	68.2	0.9%
Zr	2477408	57	57	0.0%	2477422	< 5	< 5	0.0%	2477432	25	24	4.1%	2477448	< 5	< 5	0.0%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	2477457	< 0.5	< 0.5	0.0%												
Al	2477457	8.94	8.94	0.0%												
As	2477457	< 1	< 1	0.0%												
Ba	2477457	71	68	4.3%												
Be	2477457	< 0.5	< 0.5	0.0%												
Bi	2477457	< 1	< 1	0.0%												
Ca	2477457	5.87	6.08	3.5%												
Cd	2477457	< 0.5	< 0.5	0.0%												
Ce	2477457	< 1	< 1	0.0%												
Co	2477457	35.7	36.5	2.2%												
Cr	2477457	29.9	30.6	2.3%												
Cu	2477457	106	119	11.6%												
Fe	2477457	12.0	12.0	0.0%												
Ga	2477457	29	30	3.4%												
In	2477457	< 1	< 1	0.0%												
K	2477457	0.48	0.48	0.0%												
La	2477457	< 2	< 2	0.0%												
Li	2477457	52	52	0.0%												
Mg	2477457	3.02	2.99	1.0%												
Mn	2477457	1290	1270	1.6%												

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2477457	< 0.5	< 0.5	0.0%												
Na	2477457	1.53	1.58	3.2%												
Ni	2477457	28.3	27.7	2.1%												
P	2477457	25	33	27.6%												
Pb	2477457	< 1	< 1	0.0%												
Rb	2477457	14	14	0.0%												
S	2477457	0.63	0.69	9.1%												
Sb	2477457	< 1	< 1	0.0%												
Sc	2477457	28	28	0.0%												
Se	2477457	< 10	< 10	0.0%												
Sn	2477457	< 5	< 5	0.0%												
Sr	2477457	378	385	1.8%												
Ta	2477457	< 10	< 10	0.0%												
Te	2477457	< 10	< 10	0.0%												
Th	2477457	< 5	< 5	0.0%												
Ti	2477457	1.31	1.33	1.5%												
Tl	2477457	< 5	< 5	0.0%												
U	2477457	< 5	< 5	0.0%												
V	2477457	91.4	92.6	1.3%												
W	2477457	< 1	< 1	0.0%												
Y	2477457	< 1	1													
Zn	2477457	57.8	58.5	1.2%												
Zr	2477457	5	5	0.0%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2477408	4	3	28.6%	2477422	22	33	40.0%	2477432	48	55	13.6%	2477448	3	2	
Pd	2477408	14	12	15.4%	2477422	45	48	6.5%	2477432	669	766	13.5%	2477448	3	3	0.0%
Pt	2477408	12	12	0.0%	2477422	12	17		2477432	291	326	11.3%	2477448	< 5	< 5	0.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2477457	4	5	22.2%
Pd	2477457	1	< 1	
Pt	2477457	< 5	< 5	0.0%

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	8.47	8.33	98%	90% - 110%	6.96	6.97	100%	90% - 110%	13.0	12.9	99%	90% - 110%				
As	26	26	99%	90% - 110%	124	121	98%	90% - 110%								
Ba	540	539	100%	90% - 110%	186	187	101%	90% - 110%	1305	1356	104%	90% - 110%				
Be	4.0	3.4	86%	90% - 110%												
Ca	0.907	0.892	98%	90% - 110%	4.01	3.82	95%	90% - 110%	1.42	1.39	98%	90% - 110%				
Ce	98	101	103%	90% - 110%	24	22	93%	90% - 110%	58.24	59.49	102%	90% - 110%				
Co	15	13	87%	90% - 110%	22.1	19.5	88%	90% - 110%								
Cr	60.3	60.6	101%	90% - 110%												
Cu	150	153	102%	90% - 110%	88.6	87.8	99%	90% - 110%								
Fe	3.77	3.68	98%	90% - 110%	7.56	7.22	96%	90% - 110%	3.27	3.09	95%	90% - 110%				
Ga									22.63	23.78	105%	90% - 110%				
K					2.021	2.056	102%	90% - 110%	3.69	3.72	101%	90% - 110%				
La	44	42	95%	90% - 110%					27.48	27.13	99%	90% - 110%				
Li	47	47	99%	90% - 110%					64.95	67.98	105%	90% - 110%				
Mg	1.10	1.07	97%	90% - 110%	2.412	2.338	97%	90% - 110%	0.223	0.227	102%	90% - 110%				
Mn	780	761	98%	90% - 110%	1510	1480	98%	90% - 110%								
Mo	14	13	93%	90% - 110%												
Na	1.624	1.688	104%	90% - 110%	0.617	0.622	101%	90% - 110%	7.24	7.14	99%	90% - 110%				
Ni	32	32	100%	90% - 110%	77.1	72.1	94%	90% - 110%								
P	750	773	103%	90% - 110%	892	862	97%	90% - 110%								
Rb	143	152	106%	90% - 110%												
S					0.348	0.391	112%	90% - 110%								
Sc	12	11	91%	90% - 110%												
Sr	144	151	105%	90% - 110%	92.8	88.8	96%	90% - 110%	312	324	104%	90% - 110%				
Th	18.4	14.7	80%	90% - 110%												
Ti	0.53	0.47	89%	90% - 110%					0.222	0.222	100%	90% - 110%				
U	5.7	6.2	109%	90% - 110%												
V	77	78	102%	90% - 110%												
W	5	4	85%	90% - 110%												
Y									25.32	23.85	94%	90% - 110%				
Zn	130	122	94%	90% - 110%	208	205	98%	90% - 110%	75.42	76.13	101%	90% - 110%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T747949

PROJECT:

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1897	1835	97%	90% - 110%	1897	1869	98%	90% - 110%	1897	1720	90%	90% - 110%				
Pd	1660	1701	102%	90% - 110%	1660	1704	103%	90% - 110%	1660	1499	90%	90% - 110%				
Pt	223	229	103%	90% - 110%	223	220	99%	90% - 110%	223	220	98%	90% - 110%				

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T747949

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T747949

PROJECT:

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T750991

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 27, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829593 (2505770)	2.5415
E5829594 (2505771)	2.3848
E5829595 (2505772)	2.2396
E5829596 (2505773)	2.4169
E5829597 (2505774)	2.0642
E5829598 (2505775)	2.1086
E5829599 (2505776)	2.1766
E5829600 (2505777)	0.1096
E5829601 (2505778)	2.2586
E5829602 (2505779)	2.3818
E5829603 (2505780)	2.5955
E5829604 (2505781)	2.4745
E5829605 (2505782)	2.3147
E5829606 (2505783)	2.3989
E5829607 (2505784)	2.2070
E5829608 (2505785)	2.5026
E5829609 (2505786)	2.5732
E5829610 (2505787)	0.6958
E5829611 (2505788)	2.3921
E5829612 (2505789)	2.5185
E5829613 (2505790)	2.3198
E5829614 (2505791)	2.3247
E5829615 (2505792)	2.3581
E5829616 (2505793)	2.2379
E5829617 (2505794)	2.3612
E5829618 (2505795)	2.3094
E5829619 (2505796)	2.4081
E5829620 (2505797)	0.1097
E5829621 (2505798)	2.3754
E5829622 (2505799)	2.4036
E5829623 (2505800)	2.2926

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829624 (2505801)	2.3470
E5829625 (2505802)	2.0001
E5829626 (2505803)	2.3819
E5829627 (2505804)	2.3822
E5829628 (2505805)	2.4181
E5829629 (2505806)	2.4375
E5829630 (2505807)	0.6400
E5829631 (2505808)	2.3209
E5829632 (2505809)	2.5221
E5829633 (2505810)	2.3982
E5829634 (2505811)	2.4292
E5829635 (2505812)	2.2444
E5829636 (2505813)	2.2892
E5829637 (2505814)	2.3898
E5829638 (2505815)	2.3054
E5829639 (2505816)	1.1619
E5829640 (2505817)	1.1140
E5829641 (2505818)	2.3878
E5829642 (2505819)	2.4767
E5829643 (2505820)	2.5959
E5829644 (2505821)	2.3462
E5829645 (2505822)	2.3355
E5829646 (2505823)	2.3357
E5829647 (2505824)	2.3949
E5829648 (2505825)	2.2714
E5829649 (2505826)	2.6838
E5829650 (2505827)	0.1140
E5829651 (2505828)	2.3214
E5829652 (2505829)	2.1977
E5829653 (2505830)	2.2003
E5829654 (2505831)	2.3759

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829655 (2505832)	2.4122
E5829656 (2505833)	2.6584
E5829657 (2505834)	2.3889
E5829658 (2505835)	2.5491
E5829659 (2505836)	2.1759
E5829660 (2505837)	0.6659
E5829661 (2505838)	2.4244
E5829662 (2505839)	2.6944
E5829663 (2505840)	2.4155
E5829664 (2505841)	2.5278
E5829665 (2505842)	2.4245
E5829666 (2505843)	2.5891
E5829667 (2505844)	2.4176
E5829668 (2505845)	2.1413

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829593 (2505770)	<0.5	8.79	<1	88	0.7	<1	6.05	<0.5	2	45.6	190	388	6.29	18
E5829594 (2505771)	<0.5	9.02	<1	110	<0.5	<1	5.26	<0.5	2	50.9	157	194	7.21	18
E5829595 (2505772)	<0.5	8.88	<1	100	0.6	<1	6.30	1.6	3	47.4	161	178	6.98	18
E5829596 (2505773)	<0.5	9.08	<1	106	<0.5	<1	5.73	<0.5	2	42.5	164	107	6.65	18
E5829597 (2505774)	<0.5	8.80	<1	107	0.5	<1	5.34	<0.5	3	39.2	143	160	7.45	18
E5829598 (2505775)	<0.5	9.18	1	104	<0.5	<1	6.73	<0.5	3	44.3	153	160	6.54	19
E5829599 (2505776)	<0.5	9.13	<1	91	<0.5	<1	3.41	<0.5	<1	18.2	53.9	46.9	3.28	17
E5829600 (2505777)	3.6	6.65	<1	281	0.8	<1	3.88	1.6	29	152	249	6799	12.5	16
E5829601 (2505778)	<0.5	7.85	<1	59	<0.5	<1	5.40	<0.5	2	41.3	224	71.6	7.11	15
E5829602 (2505779)	<0.5	7.70	<1	66	<0.5	<1	5.19	<0.5	2	45.7	275	85.9	7.57	16
E5829603 (2505780)	<0.5	8.81	<1	86	0.8	<1	6.56	<0.5	5	44.2	173	177	6.79	18
E5829604 (2505781)	<0.5	8.28	<1	141	0.6	<1	5.09	<0.5	4	44.1	219	228	6.75	16
E5829605 (2505782)	<0.5	7.50	<1	116	<0.5	<1	5.18	<0.5	2	44.9	292	15.6	7.03	15
E5829606 (2505783)	<0.5	6.49	<1	50	1.2	<1	4.54	<0.5	25	57.4	982	213	6.95	14
E5829607 (2505784)	<0.5	6.74	<1	52	0.5	<1	4.94	<0.5	3	57.7	400	29.8	8.19	14
E5829608 (2505785)	<0.5	6.12	<1	42	<0.5	<1	5.51	<0.5	3	57.1	529	185	7.63	13
E5829609 (2505786)	<0.5	8.70	<1	81	0.5	<1	5.84	<0.5	2	51.3	155	362	6.70	17
E5829610 (2505787)	<0.5	0.04	1	1100	<0.5	<1	18.9	<0.5	<1	<0.5	3.3	<0.5	0.06	<5
E5829611 (2505788)	<0.5	8.88	<1	72	0.5	<1	6.25	<0.5	1	40.3	161	166	7.04	18
E5829612 (2505789)	<0.5	6.26	<1	43	0.9	<1	6.94	<0.5	42	44.2	20.1	269	8.95	19
E5829613 (2505790)	<0.5	7.35	<1	176	0.7	<1	6.32	<0.5	26	41.0	63.1	183	7.41	16
E5829614 (2505791)	<0.5	7.96	<1	401	0.5	<1	5.05	<0.5	11	45.6	194	109	6.31	14
E5829615 (2505792)	<0.5	5.57	<1	235	0.8	<1	6.09	<0.5	65	48.9	408	40.6	6.83	10
E5829616 (2505793)	<0.5	5.79	3	101	0.7	<1	5.01	<0.5	43	59.0	263	54.2	7.37	13
E5829617 (2505794)	<0.5	6.59	<1	69	<0.5	<1	3.07	<0.5	4	56.6	108	498	7.28	13
E5829618 (2505795)	<0.5	6.41	<1	70	<0.5	<1	3.58	<0.5	3	52.8	98.4	194	6.62	15
E5829619 (2505796)	<0.5	7.32	<1	76	<0.5	<1	2.99	<0.5	4	51.8	105	394	6.70	14
E5829620 (2505797)	3.7	6.73	<1	282	0.8	<1	3.91	1.5	28	153	241	6824	12.6	16
E5829621 (2505798)	<0.5	6.87	<1	35	<0.5	<1	2.77	<0.5	2	61.9	110	459	7.74	15
E5829622 (2505799)	<0.5	7.98	<1	195	<0.5	<1	4.35	<0.5	11	45.8	157	197	6.24	14
E5829623 (2505800)	<0.5	9.34	<1	176	<0.5	<1	4.86	<0.5	3	43.8	144	10.3	5.53	14
E5829624 (2505801)	<0.5	6.87	<1	123	<0.5	<1	3.81	<0.5	4	56.8	101	12.7	7.02	12

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829625 (2505802)	<0.5	7.28	<1	124	<0.5	<1	3.38	<0.5	3	59.8	94.7	63.7	7.23	13
E5829626 (2505803)	<0.5	7.60	<1	129	<0.5	<1	3.65	<0.5	3	54.6	104	219	6.47	13
E5829627 (2505804)	<0.5	6.85	<1	54	<0.5	<1	2.85	<0.5	3	60.8	172	36.9	7.13	13
E5829628 (2505805)	<0.5	3.89	<1	6	<0.5	<1	5.23	<0.5	3	74.2	153	789	7.31	10
E5829629 (2505806)	<0.5	6.99	3	94	<0.5	<1	2.13	<0.5	5	74.6	77.7	157	9.05	16
E5829630 (2505807)	<0.5	0.05	4	2310	<0.5	<1	19.9	<0.5	<1	<0.5	5.1	<0.5	0.06	<5
E5829631 (2505808)	<0.5	6.78	<1	107	<0.5	<1	3.24	<0.5	3	62.5	273	305	8.07	13
E5829632 (2505809)	<0.5	2.21	<1	5	<0.5	<1	6.94	<0.5	4	59.2	403	68.2	6.71	7
E5829633 (2505810)	<0.5	5.04	<1	6	<0.5	<1	4.23	<0.5	2	70.5	380	240	9.11	13
E5829634 (2505811)	<0.5	8.79	<1	123	<0.5	<1	4.24	<0.5	4	50.4	266	340	8.13	16
E5829635 (2505812)	<0.5	9.12	2	135	<0.5	<1	3.38	<0.5	2	47.5	142	350	7.33	19
E5829636 (2505813)	<0.5	8.69	<1	81	<0.5	<1	4.96	<0.5	<1	41.2	121	621	5.96	16
E5829637 (2505814)	<0.5	10.1	1	81	<0.5	<1	5.04	<0.5	<1	46.2	181	484	5.36	17
E5829638 (2505815)	<0.5	7.49	<1	79	<0.5	<1	4.48	<0.5	1	59.3	239	863	7.45	13
E5829639 (2505816)	<0.5	3.32	<1	2	<0.5	<1	4.87	<0.5	<1	94.0	376	2100	9.83	10
E5829640 (2505817)	<0.5	2.82	<1	2	<0.5	<1	5.24	<0.5	<1	92.8	363	1920	9.43	10
E5829641 (2505818)	<0.5	5.00	<1	3	<0.5	<1	2.96	<0.5	2	100	277	1490	10.9	12
E5829642 (2505819)	0.6	3.55	<1	2	<0.5	<1	3.33	<0.5	2	91.8	275	1370	10.9	12
E5829643 (2505820)	<0.5	3.50	<1	2	<0.5	<1	4.32	<0.5	2	86.7	166	1030	10.1	12
E5829644 (2505821)	<0.5	7.96	<1	106	<0.5	<1	3.48	<0.5	2	52.4	141	283	8.44	17
E5829645 (2505822)	<0.5	8.03	<1	79	<0.5	<1	3.69	<0.5	1	76.8	106	330	10.2	19
E5829646 (2505823)	<0.5	7.97	<1	122	<0.5	<1	3.80	<0.5	3	54.5	169	269	9.90	19
E5829647 (2505824)	<0.5	7.86	<1	154	<0.5	<1	3.87	<0.5	<1	71.1	136	680	9.66	17
E5829648 (2505825)	<0.5	3.81	<1	2	<0.5	<1	4.31	<0.5	<1	90.0	271	1040	10.6	10
E5829649 (2505826)	<0.5	5.78	1	14	<0.5	<1	3.42	<0.5	1	68.6	240	312	10.1	12
E5829650 (2505827)	4.0	6.78	<1	282	0.8	<1	3.92	1.5	29	158	250	6848	12.7	16
E5829651 (2505828)	<0.5	7.82	2	135	<0.5	<1	2.51	<0.5	3	70.9	80.5	1070	9.27	18
E5829652 (2505829)	1.4	5.22	<1	2	<0.5	<1	3.71	0.5	<1	83.4	120	2440	11.0	15
E5829653 (2505830)	0.9	6.63	2	97	<0.5	<1	2.55	<0.5	2	88.9	224	1380	10.5	15
E5829654 (2505831)	<0.5	8.97	1	234	<0.5	<1	2.79	<0.5	2	57.6	149	322	8.70	17
E5829655 (2505832)	<0.5	8.53	2	155	<0.5	<1	4.02	<0.5	<1	45.2	135	182	9.01	18
E5829656 (2505833)	<0.5	8.41	<1	144	<0.5	<1	4.29	<0.5	2	41.3	176	43.2	9.50	18

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829657 (2505834)	<0.5	4.52	2	6	<0.5	<1	3.16	<0.5	<1	51.0	53.8	440	10.1	14
E5829658 (2505835)	<0.5	7.07	<1	21	<0.5	<1	2.34	<0.5	1	50.8	156	305	11.7	20
E5829659 (2505836)	<0.5	6.86	<1	46	<0.5	<1	3.64	<0.5	2	61.4	202	424	11.4	20
E5829660 (2505837)	<0.5	0.05	3	884	<0.5	<1	19.6	<0.5	<1	<0.5	4.2	<0.5	0.07	<5
E5829661 (2505838)	<0.5	8.15	2	95	<0.5	<1	3.53	<0.5	3	44.9	142	204	9.98	20
E5829662 (2505839)	<0.5	8.37	<1	186	<0.5	<1	3.80	<0.5	<1	48.8	28.2	53.9	12.6	23
E5829663 (2505840)	<0.5	8.14	<1	101	<0.5	<1	3.11	<0.5	2	60.5	57.7	108	13.6	23
E5829664 (2505841)	<0.5	7.78	<1	61	<0.5	<1	3.39	<0.5	2	64.2	173	240	13.1	22
E5829665 (2505842)	<0.5	5.71	<1	10	<0.5	<1	3.49	<0.5	1	105	183	966	13.4	20
E5829666 (2505843)	<0.5	5.82	<1	11	<0.5	<1	4.35	<0.5	1	60.0	376	129	11.6	17
E5829667 (2505844)	<0.5	2.03	<1	2	<0.5	<1	4.44	<0.5	1	94.3	351	853	13.0	11
E5829668 (2505845)	<0.5	7.28	<1	26	<0.5	<1	2.21	<0.5	2	63.8	237	184	12.3	19

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829593 (2505770)	<1	0.34	<2	30	4.71	1210	1.8	2.26	238	98	2	<10	0.23	<1
E5829594 (2505771)	<1	0.32	<2	37	5.04	1240	2.0	2.11	160	139	<1	<10	0.38	<1
E5829595 (2505772)	<1	0.48	<2	38	4.98	1270	1.4	2.03	141	175	109	15	0.30	<1
E5829596 (2505773)	<1	0.44	<2	37	5.15	1240	0.7	2.14	149	165	37	12	0.16	<1
E5829597 (2505774)	<1	0.94	<2	55	4.89	1180	0.7	1.78	138	125	<1	27	0.18	<1
E5829598 (2505775)	<1	0.76	<2	37	4.27	1040	1.1	1.77	128	141	<1	21	0.20	<1
E5829599 (2505776)	<1	0.57	<2	25	1.92	486	3.8	3.92	54.0	76	<1	12	0.07	<1
E5829600 (2505777)	<1	0.64	13	13	3.89	1160	3.6	1.87	9395	633	17	14	2.70	<1
E5829601 (2505778)	<1	0.29	<2	30	6.01	1300	<0.5	1.74	279	123	<1	<10	0.05	1
E5829602 (2505779)	<1	0.31	<2	38	6.67	1380	<0.5	1.48	322	154	<1	<10	0.05	1
E5829603 (2505780)	<1	0.34	2	26	5.38	1220	0.8	1.91	200	176	<1	13	0.21	<1
E5829604 (2505781)	<1	0.57	2	37	5.87	1160	0.6	1.95	268	175	<1	21	0.18	<1
E5829605 (2505782)	<1	0.49	<2	33	6.55	1310	0.8	1.57	285	142	<1	16	0.02	1
E5829606 (2505783)	<1	0.14	6	21	5.95	1220	2.4	1.89	492	267	<1	<10	0.27	2
E5829607 (2505784)	<1	0.20	<2	33	7.77	1530	<0.5	0.99	411	112	<1	<10	0.08	2
E5829608 (2505785)	<1	0.18	<2	31	7.78	1510	1.0	0.96	347	92	48	<10	0.08	1
E5829609 (2505786)	<1	0.31	<2	25	4.99	1150	0.7	2.07	127	131	<1	<10	0.44	<1
E5829610 (2505787)	2	0.01	2	10	12.8	454	<0.5	0.03	<0.5	59	2	<10	<0.01	<1
E5829611 (2505788)	<1	0.24	<2	24	4.99	1180	1.0	2.18	132	176	<1	<10	0.33	<1
E5829612 (2505789)	<1	0.22	17	16	3.51	1350	0.9	2.37	71.7	696	<1	<10	0.05	<1
E5829613 (2505790)	<1	0.70	12	21	3.60	1210	1.6	2.44	73.1	478	<1	22	0.02	<1
E5829614 (2505791)	<1	1.28	5	37	6.16	1120	0.9	1.70	110	215	<1	59	<0.01	<1
E5829615 (2505792)	<1	0.34	29	70	9.60	1280	<0.5	0.43	186	1210	<1	11	0.07	<1
E5829616 (2505793)	<1	0.26	20	74	9.70	1240	<0.5	0.47	168	788	<1	<10	0.09	<1
E5829617 (2505794)	<1	0.29	2	58	9.58	1280	<0.5	0.78	115	70	<1	<10	0.05	<1
E5829618 (2505795)	<1	0.24	<2	53	9.46	1210	0.6	0.65	89.8	62	<1	<10	0.02	2
E5829619 (2505796)	<1	0.34	<2	56	8.94	1170	<0.5	1.00	113	59	<1	<10	0.04	3
E5829620 (2505797)	<1	0.64	13	13	3.93	1180	3.5	1.88	9244	604	15	14	2.89	<1
E5829621 (2505798)	<1	0.16	<2	52	9.52	1260	<0.5	0.57	116	58	<1	<10	0.04	3
E5829622 (2505799)	<1	0.82	5	43	6.41	1120	<0.5	1.91	122	214	<1	29	0.02	<1
E5829623 (2505800)	<1	0.80	<2	45	6.41	1020	<0.5	1.50	98.4	48	<1	26	<0.01	4
E5829624 (2505801)	<1	0.61	3	48	8.57	1300	<0.5	1.18	117	93	<1	16	<0.01	3

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829625 (2505802)	<1	0.65	2	63	9.02	1250	<0.5	1.09	136	71	<1	22	<0.01	1
E5829626 (2505803)	<1	0.63	2	49	8.17	1180	<0.5	1.20	136	72	<1	22	0.02	1
E5829627 (2505804)	<1	0.38	<2	53	8.97	1180	<0.5	0.92	140	45	<1	11	<0.01	2
E5829628 (2505805)	<1	0.03	<2	25	10.7	1320	<0.5	0.13	339	66	<1	<10	0.09	3
E5829629 (2505806)	<1	0.15	3	36	9.38	1140	<0.5	0.22	131	63	<1	<10	0.02	3
E5829630 (2505807)	<1	0.02	2	6	11.8	408	<0.5	0.02	<0.5	60	1	<10	0.03	<1
E5829631 (2505808)	<1	0.49	<2	46	8.41	1230	<0.5	0.68	243	52	<1	15	0.04	2
E5829632 (2505809)	<1	0.03	<2	10	10.7	1520	0.6	0.13	347	111	<1	<10	<0.01	2
E5829633 (2505810)	<1	0.07	<2	38	9.75	1510	<0.5	0.20	264	62	<1	<10	0.03	4
E5829634 (2505811)	<1	0.75	<2	56	6.62	1210	<0.5	1.09	207	25	<1	20	0.11	4
E5829635 (2505812)	<1	1.18	<2	71	6.22	1090	0.7	1.58	153	45	<1	29	0.17	2
E5829636 (2505813)	<1	0.59	<2	40	6.06	1040	0.8	1.66	266	40	<1	16	0.28	2
E5829637 (2505814)	<1	0.55	<2	34	5.23	930	0.6	1.95	240	25	<1	16	0.15	3
E5829638 (2505815)	<1	0.52	<2	33	7.31	1330	<0.5	1.26	388	53	<1	13	0.11	3
E5829639 (2505816)	<1	0.02	<2	5	10.5	1670	<0.5	0.11	815	48	<1	<10	0.25	3
E5829640 (2505817)	<1	0.01	<2	4	10.3	1670	<0.5	0.12	798	27	<1	<10	0.23	3
E5829641 (2505818)	<1	0.02	<2	13	9.40	1520	<0.5	0.09	814	<10	<1	<10	0.18	4
E5829642 (2505819)	<1	0.01	<2	6	9.87	1570	<0.5	0.08	528	11	<1	<10	0.16	3
E5829643 (2505820)	<1	0.01	<2	6	10.5	1820	<0.5	0.09	282	34	<1	<10	0.12	3
E5829644 (2505821)	<1	0.51	<2	44	7.52	1480	<0.5	1.36	166	42	<1	20	0.07	2
E5829645 (2505822)	<1	0.60	<2	45	6.61	1590	<0.5	1.39	191	18	<1	18	0.40	<1
E5829646 (2505823)	<1	0.55	<2	43	6.64	1640	<0.5	1.32	168	49	<1	19	0.10	2
E5829647 (2505824)	<1	0.59	<2	46	6.95	1750	<0.5	1.44	193	20	<1	21	0.28	1
E5829648 (2505825)	<1	0.01	<2	9	9.98	2040	<0.5	0.10	414	42	<1	<10	0.27	3
E5829649 (2505826)	<1	0.08	<2	43	8.55	1890	<0.5	0.36	206	<10	<1	<10	0.03	2
E5829650 (2505827)	<1	0.65	13	13	3.97	1170	3.8	1.89	9439	622	16	14	2.84	<1
E5829651 (2505828)	<1	0.55	3	46	6.94	1510	<0.5	1.06	197	55	<1	25	0.47	3
E5829652 (2505829)	<1	0.02	<2	36	8.68	2080	<0.5	0.15	341	16	<1	<10	0.58	3
E5829653 (2505830)	<1	0.36	<2	50	7.56	1860	<0.5	0.56	355	26	<1	13	0.82	5
E5829654 (2505831)	<1	1.15	<2	59	6.22	1600	<0.5	1.65	222	40	<1	45	0.24	5
E5829655 (2505832)	<1	0.86	<2	52	6.06	1790	<0.5	1.54	141	47	<1	33	0.06	1
E5829656 (2505833)	<1	1.03	<2	53	5.93	1870	<0.5	1.32	130	19	<1	34	0.02	2

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829657 (2505834)	<1	0.03	<2	30	7.26	2080	1.8	0.15	212	22	<1	<10	0.11	1
E5829658 (2505835)	<1	0.13	<2	51	6.96	2120	0.9	0.70	109	23	<1	<10	0.07	<1
E5829659 (2505836)	<1	0.29	<2	46	7.14	2310	<0.5	0.77	166	46	<1	10	0.28	<1
E5829660 (2505837)	<1	0.02	2	7	12.4	408	0.6	0.02	0.5	65	<1	<10	<0.01	1
E5829661 (2505838)	<1	0.69	<2	57	6.14	1860	<0.5	1.43	139	52	<1	20	0.10	<1
E5829662 (2505839)	<1	1.01	<2	48	4.57	1910	<0.5	1.73	48.7	21	<1	43	0.08	<1
E5829663 (2505840)	<1	0.69	<2	52	5.50	2060	<0.5	1.85	75.8	30	<1	25	0.14	<1
E5829664 (2505841)	<1	0.55	<2	60	7.30	2160	<0.5	0.99	155	<10	<1	22	0.13	<1
E5829665 (2505842)	<1	0.12	<2	47	7.39	2120	<0.5	0.31	212	19	<1	<10	0.46	<1
E5829666 (2505843)	<1	0.12	<2	30	7.91	2220	<0.5	0.32	163	<10	<1	<10	0.03	<1
E5829667 (2505844)	<1	<0.01	<2	6	9.81	2450	<0.5	0.10	327	31	<1	<10	0.29	3
E5829668 (2505845)	<1	0.15	<2	55	7.11	1610	<0.5	0.23	127	28	<1	<10	0.06	1

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829593 (2505770)	25	<10	<5	252	<10	<10	<5	0.32	<5	<5	196	<1	5	102
E5829594 (2505771)	22	<10	<5	170	<10	<10	<5	0.35	<5	<5	174	<1	2	131
E5829595 (2505772)	26	<10	<5	267	<10	<10	<5	0.46	<5	<5	228	<1	7	476
E5829596 (2505773)	24	<10	<5	224	<10	<10	<5	0.37	<5	<5	183	<1	4	199
E5829597 (2505774)	25	<10	<5	270	<10	<10	<5	0.52	<5	<5	231	<1	6	76.2
E5829598 (2505775)	24	<10	<5	439	<10	<10	<5	0.37	<5	<5	214	<1	7	65.6
E5829599 (2505776)	8	<10	<5	377	<10	<10	<5	0.13	<5	<5	77.6	<1	<1	33.9
E5829600 (2505777)	12	<10	<5	292	<10	<10	<5	0.59	<5	<5	111	12	11	114
E5829601 (2505778)	25	<10	<5	187	<10	<10	<5	0.34	<5	<5	170	<1	6	92.3
E5829602 (2505779)	24	<10	<5	175	<10	<10	<5	0.39	<5	<5	183	<1	6	105
E5829603 (2505780)	24	<10	<5	300	<10	<10	<5	0.39	<5	<5	201	<1	8	86.9
E5829604 (2505781)	21	<10	<5	255	<10	<10	<5	0.33	<5	<5	173	<1	6	80.5
E5829605 (2505782)	24	<10	<5	177	<10	<10	<5	0.34	<5	<5	178	<1	6	103
E5829606 (2505783)	21	<10	<5	124	<10	<10	<5	0.30	<5	<5	160	<1	21	126
E5829607 (2505784)	25	<10	<5	127	<10	<10	<5	0.20	<5	<5	123	<1	7	105
E5829608 (2505785)	26	<10	<5	117	<10	<10	<5	0.25	<5	<5	153	<1	6	207
E5829609 (2505786)	27	<10	<5	259	<10	<10	<5	0.38	<5	<5	205	<1	6	82.8
E5829610 (2505787)	<1	<10	<5	141	<10	<10	<5	<0.01	<5	<5	3.2	<1	<1	9.9
E5829611 (2505788)	25	<10	<5	274	<10	<10	<5	0.42	<5	<5	210	<1	6	83.8
E5829612 (2505789)	38	<10	<5	204	<10	<10	<5	1.11	<5	<5	565	<1	27	64.0
E5829613 (2505790)	36	<10	<5	255	<10	<10	<5	0.67	<5	<5	369	<1	18	63.5
E5829614 (2505791)	28	<10	<5	211	<10	<10	<5	0.22	<5	<5	147	<1	9	68.2
E5829615 (2505792)	26	<10	<5	395	<10	<10	<5	0.28	<5	<5	126	<1	10	80.4
E5829616 (2505793)	29	<10	<5	282	<10	<10	<5	0.23	<5	<5	150	<1	8	83.3
E5829617 (2505794)	30	<10	<5	53	<10	<10	<5	0.11	<5	<5	126	<1	5	81.9
E5829618 (2505795)	31	<10	<5	75	<10	<10	<5	0.11	<5	<5	113	<1	10	79.6
E5829619 (2505796)	27	<10	<5	88	<10	<10	<5	0.11	<5	<5	103	<1	8	78.7
E5829620 (2505797)	12	<10	6	294	<10	<10	<5	0.59	<5	<5	111	11	12	114
E5829621 (2505798)	27	<10	<5	52	<10	<10	<5	0.12	<5	<5	117	<1	6	85.9
E5829622 (2505799)	26	<10	<5	250	<10	<10	<5	0.23	<5	<5	139	<1	8	64.9
E5829623 (2505800)	21	<10	<5	239	<10	<10	<5	0.08	<5	<5	80.3	<1	3	64.1
E5829624 (2505801)	29	<10	<5	119	<10	<10	<5	0.12	<5	<5	117	<1	4	78.0

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829625 (2505802)	26	<10	<5	112	<10	<10	<5	0.09	<5	<5	106	<1	3	78.6
E5829626 (2505803)	28	<10	<5	169	<10	<10	<5	0.09	<5	<5	103	<1	3	69.5
E5829627 (2505804)	31	<10	<5	59	<10	<10	<5	0.10	<5	<5	127	<1	4	81.0
E5829628 (2505805)	43	<10	<5	13	<10	<10	<5	0.10	<5	<5	158	<1	4	65.8
E5829629 (2505806)	36	<10	<5	37	<10	<10	<5	0.13	<5	<5	191	<1	3	87.5
E5829630 (2505807)	<1	<10	<5	133	<10	<10	<5	<0.01	<5	<5	3.0	<1	<1	13.4
E5829631 (2505808)	31	<10	<5	94	<10	<10	<5	0.09	<5	<5	128	<1	4	86.4
E5829632 (2505809)	49	<10	<5	12	<10	<10	<5	0.16	<5	<5	204	<1	8	64.7
E5829633 (2505810)	42	<10	<5	13	<10	<10	<5	0.20	<5	<5	202	<1	5	97.6
E5829634 (2505811)	22	<10	<5	331	<10	<10	<5	0.17	<5	<5	145	<1	2	93.8
E5829635 (2505812)	23	<10	<5	298	<10	<10	<5	0.20	<5	<5	214	<1	2	91.5
E5829636 (2505813)	18	<10	<5	379	<10	<10	<5	0.08	<5	<5	79.2	<1	2	89.5
E5829637 (2505814)	16	<10	<5	323	<10	<10	<5	0.05	<5	<5	54.1	<1	<1	88.9
E5829638 (2505815)	27	<10	<5	185	<10	<10	<5	0.08	<5	<5	85.3	<1	2	123
E5829639 (2505816)	41	<10	<5	11	<10	10	<5	0.13	<5	<5	166	<1	3	123
E5829640 (2505817)	40	<10	<5	12	<10	<10	<5	0.13	<5	<5	163	<1	3	115
E5829641 (2505818)	33	<10	<5	9	<10	11	<5	0.11	<5	<5	145	<1	2	168
E5829642 (2505819)	44	<10	<5	9	<10	11	<5	0.13	<5	<5	168	<1	3	149
E5829643 (2505820)	47	<10	<5	9	<10	12	<5	0.15	<5	<5	181	<1	4	150
E5829644 (2505821)	32	<10	<5	218	<10	<10	<5	0.10	<5	<5	128	<1	2	188
E5829645 (2505822)	29	<10	<5	205	<10	<10	<5	0.36	<5	<5	289	<1	2	180
E5829646 (2505823)	31	<10	<5	195	<10	<10	<5	0.31	<5	<5	241	<1	3	193
E5829647 (2505824)	29	<10	<5	172	<10	<10	<5	0.31	<5	<5	221	<1	1	202
E5829648 (2505825)	38	<10	<5	10	<10	11	<5	0.13	<5	<5	151	<1	3	191
E5829649 (2505826)	33	<10	<5	37	<10	<10	<5	0.12	<5	<5	121	<1	2	231
E5829650 (2505827)	12	<10	6	293	<10	<10	<5	0.59	<5	<5	111	11	12	120
E5829651 (2505828)	26	<10	<5	141	<10	<10	<5	0.09	<5	<5	80.9	<1	2	233
E5829652 (2505829)	38	<10	<5	10	<10	<10	<5	0.14	<5	<5	136	<1	3	276
E5829653 (2505830)	30	<10	<5	54	<10	<10	<5	0.12	<5	<5	105	<1	2	255
E5829654 (2505831)	22	<10	<5	223	<10	<10	<5	0.15	<5	<5	101	<1	2	215
E5829655 (2505832)	24	<10	<5	212	<10	<10	<5	0.27	<5	<5	170	<1	<1	212
E5829656 (2505833)	29	<10	<5	242	<10	<10	<5	0.26	<5	<5	203	<1	2	217

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829657 (2505834)	41	<10	<5	10	<10	11	<5	0.22	<5	<5	112	<1	2	245
E5829658 (2505835)	39	<10	<5	89	<10	<10	<5	0.42	<5	<5	215	<1	3	296
E5829659 (2505836)	33	<10	<5	122	<10	<10	<5	0.44	<5	<5	206	<1	4	285
E5829660 (2505837)	<1	<10	<5	145	<10	<10	<5	<0.01	<5	<5	3.8	<1	<1	7.6
E5829661 (2505838)	29	<10	<5	193	<10	<10	<5	0.32	<5	<5	185	<1	3	260
E5829662 (2505839)	29	<10	<5	228	<10	<10	<5	0.63	<5	<5	455	<1	1	212
E5829663 (2505840)	30	<10	<5	140	<10	<10	<5	0.67	<5	<5	389	<1	2	244
E5829664 (2505841)	39	<10	<5	75	<10	<10	<5	0.52	<5	<5	288	<1	3	295
E5829665 (2505842)	41	<10	<5	21	<10	<10	<5	0.56	<5	<5	313	<1	3	296
E5829666 (2505843)	37	<10	<5	89	<10	<10	<5	0.45	<5	<5	215	<1	3	254
E5829667 (2505844)	49	<10	<5	11	<10	13	<5	0.30	<5	<5	151	<1	3	166
E5829668 (2505845)	28	<10	<5	34	<10	<10	<5	0.30	<5	<5	141	<1	3	278

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PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829593 (2505770)	<5
E5829594 (2505771)	<5
E5829595 (2505772)	<5
E5829596 (2505773)	<5
E5829597 (2505774)	<5
E5829598 (2505775)	<5
E5829599 (2505776)	<5
E5829600 (2505777)	49
E5829601 (2505778)	<5
E5829602 (2505779)	<5
E5829603 (2505780)	7
E5829604 (2505781)	7
E5829605 (2505782)	<5
E5829606 (2505783)	101
E5829607 (2505784)	8
E5829608 (2505785)	<5
E5829609 (2505786)	5
E5829610 (2505787)	<5
E5829611 (2505788)	<5
E5829612 (2505789)	82
E5829613 (2505790)	59
E5829614 (2505791)	35
E5829615 (2505792)	68
E5829616 (2505793)	47
E5829617 (2505794)	10
E5829618 (2505795)	21
E5829619 (2505796)	17
E5829620 (2505797)	49
E5829621 (2505798)	21
E5829622 (2505799)	26
E5829623 (2505800)	5
E5829624 (2505801)	12

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PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829625 (2505802)	5
E5829626 (2505803)	5
E5829627 (2505804)	9
E5829628 (2505805)	7
E5829629 (2505806)	11
E5829630 (2505807)	<5
E5829631 (2505808)	5
E5829632 (2505809)	22
E5829633 (2505810)	9
E5829634 (2505811)	<5
E5829635 (2505812)	<5
E5829636 (2505813)	<5
E5829637 (2505814)	<5
E5829638 (2505815)	<5
E5829639 (2505816)	<5
E5829640 (2505817)	<5
E5829641 (2505818)	<5
E5829642 (2505819)	5
E5829643 (2505820)	8
E5829644 (2505821)	<5
E5829645 (2505822)	<5
E5829646 (2505823)	9
E5829647 (2505824)	<5
E5829648 (2505825)	<5
E5829649 (2505826)	<5
E5829650 (2505827)	51
E5829651 (2505828)	<5
E5829652 (2505829)	<5
E5829653 (2505830)	<5
E5829654 (2505831)	<5
E5829655 (2505832)	<5
E5829656 (2505833)	<5

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829657 (2505834)	<5
E5829658 (2505835)	<5
E5829659 (2505836)	<5
E5829660 (2505837)	<5
E5829661 (2505838)	<5
E5829662 (2505839)	<5
E5829663 (2505840)	<5
E5829664 (2505841)	<5
E5829665 (2505842)	<5
E5829666 (2505843)	<5
E5829667 (2505844)	<5
E5829668 (2505845)	<5

Comments: RDL - Reported Detection Limit

2505770-2505845 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829593 (2505770)	7	32	13
E5829594 (2505771)	2	2	<5
E5829595 (2505772)	1	1	<5
E5829596 (2505773)	1	1	<5
E5829597 (2505774)	2	<1	<5
E5829598 (2505775)	4	10	<5
E5829599 (2505776)	2	2	<5
E5829600 (2505777)	141	1300	659
E5829601 (2505778)	4	18	6
E5829602 (2505779)	3	23	7
E5829603 (2505780)	4	2	<5
E5829604 (2505781)	4	11	<5
E5829605 (2505782)	2	2	<5
E5829606 (2505783)	3	24	6
E5829607 (2505784)	2	8	<5
E5829608 (2505785)	4	17	<5
E5829609 (2505786)	8	28	9
E5829610 (2505787)	2	<1	<5
E5829611 (2505788)	2	4	<5
E5829612 (2505789)	14	2	<5
E5829613 (2505790)	4	15	<5
E5829614 (2505791)	4	18	<5
E5829615 (2505792)	6	48	26
E5829616 (2505793)	2	8	<5
E5829617 (2505794)	10	8	<5
E5829618 (2505795)	5	4	<5
E5829619 (2505796)	7	4	<5
E5829620 (2505797)	143	1311	684
E5829621 (2505798)	10	3	<5
E5829622 (2505799)	5	142	7
E5829623 (2505800)	<1	22	<5
E5829624 (2505801)	2	2	<5

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829625 (2505802)	1	4	<5
E5829626 (2505803)	4	14	<5
E5829627 (2505804)	2	16	<5
E5829628 (2505805)	10	64	<5
E5829629 (2505806)	4	8	<5
E5829630 (2505807)	3	<1	<5
E5829631 (2505808)	7	16	13
E5829632 (2505809)	5	126	40
E5829633 (2505810)	6	41	11
E5829634 (2505811)	6	52	15
E5829635 (2505812)	7	33	6
E5829636 (2505813)	14	109	28
E5829637 (2505814)	12	104	26
E5829638 (2505815)	30	287	92
E5829639 (2505816)	69	749	232
E5829640 (2505817)	61	758	220
E5829641 (2505818)	53	567	168
E5829642 (2505819)	58	414	120
E5829643 (2505820)	31	68	19
E5829644 (2505821)	12	34	11
E5829645 (2505822)	10	53	18
E5829646 (2505823)	7	25	7
E5829647 (2505824)	21	53	17
E5829648 (2505825)	31	143	57
E5829649 (2505826)	10	44	16
E5829650 (2505827)	143	1331	655
E5829651 (2505828)	25	62	20
E5829652 (2505829)	57	186	63
E5829653 (2505830)	33	156	45
E5829654 (2505831)	9	57	16
E5829655 (2505832)	6	23	8
E5829656 (2505833)	4	15	<5

Certified By: Sherin Moussa

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829657 (2505834)	10	67	16
E5829658 (2505835)	6	16	8
E5829659 (2505836)	9	76	25
E5829660 (2505837)	2	<1	<5
E5829661 (2505838)	4	30	<5
E5829662 (2505839)	3	3	<5
E5829663 (2505840)	3	8	<5
E5829664 (2505841)	4	35	8
E5829665 (2505842)	20	71	27
E5829666 (2505843)	4	26	8
E5829667 (2505844)	20	173	64
E5829668 (2505845)	2	10	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829593 (2505770)	78.96
E5829603 (2505780)	78.03
E5829613 (2505790)	78.72
E5829623 (2505800)	78.71
E5829633 (2505810)	77.66
E5829643 (2505820)	78.13
E5829653 (2505830)	78.30
E5829663 (2505840)	78.27

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 27, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829593 (2505770)	85.56
E5829611 (2505788)	85.71
E5829629 (2505806)	86.67
E5829647 (2505824)	85.45

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2505770	< 0.5	< 0.5	0.0%	2505785	< 0.5	< 0.5	0.0%	2505795	< 0.5	< 0.5	0.0%	2505810	< 0.5	< 0.5	0.0%
Al	2505770	8.79	8.58	2.4%	2505785	6.12	6.11	0.2%	2505795	6.41	6.32	1.4%	2505810	5.04	5.08	0.8%
As	2505770	< 1	< 1	0.0%	2505785	< 1	< 1	0.0%	2505795	< 1	< 1	0.0%	2505810	< 1	< 1	0.0%
Ba	2505770	88	85	3.5%	2505785	42	42	0.0%	2505795	70	60	15.4%	2505810	6	6	0.0%
Be	2505770	0.72	0.79	9.3%	2505785	< 0.5	< 0.5	0.0%	2505795	< 0.5	< 0.5	0.0%	2505810	< 0.5	< 0.5	0.0%
Bi	2505770	< 1	< 1	0.0%	2505785	< 1	< 1	0.0%	2505795	< 1	< 1	0.0%	2505810	< 1	< 1	0.0%
Ca	2505770	6.05	5.83	3.7%	2505785	5.51	5.62	2.0%	2505795	3.58	3.51	2.0%	2505810	4.23	4.25	0.5%
Cd	2505770	< 0.5	< 0.5	0.0%	2505785	< 0.5	0.5		2505795	< 0.5	< 0.5	0.0%	2505810	< 0.5	< 0.5	0.0%
Ce	2505770	2	2	0.0%	2505785	3	2		2505795	3	3	0.0%	2505810	2	2	0.0%
Co	2505770	45.6	46.4	1.7%	2505785	57.1	56.1	1.8%	2505795	52.8	53.0	0.4%	2505810	70.5	69.1	2.0%
Cr	2505770	190	205	7.6%	2505785	529	551	4.1%	2505795	98.4	102	3.6%	2505810	380	371	2.4%
Cu	2505770	388	348	10.9%	2505785	185	193	4.2%	2505795	194	195	0.5%	2505810	240	251	4.5%
Fe	2505770	6.29	6.45	2.5%	2505785	7.63	7.60	0.4%	2505795	6.62	6.85	3.4%	2505810	9.11	9.14	0.3%
Ga	2505770	18	17	5.7%	2505785	13	13	0.0%	2505795	15	15	0.0%	2505810	13	14	7.4%
In	2505770	< 1	< 1	0.0%	2505785	< 1	< 1	0.0%	2505795	< 1	< 1	0.0%	2505810	< 1	< 1	0.0%
K	2505770	0.339	0.313	8.0%	2505785	0.18	0.18	0.0%	2505795	0.24	0.21	13.3%	2505810	0.07	0.07	0.0%
La	2505770	< 2	< 2	0.0%	2505785	< 2	< 2	0.0%	2505795	< 2	< 2	0.0%	2505810	< 2	< 2	0.0%
Li	2505770	30	29	3.4%	2505785	31	31	0.0%	2505795	53	57	7.3%	2505810	38	39	2.6%
Mg	2505770	4.71	4.82	2.3%	2505785	7.78	7.76	0.3%	2505795	9.46	9.84	3.9%	2505810	9.75	9.80	0.5%
Mn	2505770	1210	1250	3.3%	2505785	1510	1500	0.7%	2505795	1210	1230	1.6%	2505810	1510	1510	0.0%
Mo	2505770	1.8	1.8	0.0%	2505785	1.0	0.6		2505795	0.6	0.6	0.0%	2505810	< 0.5	< 0.5	0.0%
Na	2505770	2.26	2.10	7.3%	2505785	0.963	0.980	1.7%	2505795	0.65	0.57	13.1%	2505810	0.20	0.20	0.0%
Ni	2505770	238	254	6.5%	2505785	347	351	1.1%	2505795	89.8	86.3	4.0%	2505810	264	271	2.6%
P	2505770	98	74	27.9%	2505785	92	71	25.8%	2505795	62	49	23.4%	2505810	62	59	5.0%
Pb	2505770	2	1		2505785	48	45	6.5%	2505795	< 1	< 1	0.0%	2505810	< 1	< 1	0.0%
Rb	2505770	< 10	< 10	0.0%	2505785	< 10	< 10	0.0%	2505795	< 10	< 10	0.0%	2505810	< 10	< 10	0.0%
S	2505770	0.23	0.23	0.0%	2505785	0.084	0.087	3.5%	2505795	0.02	0.02	0.0%	2505810	0.03	0.03	0.0%
Sb	2505770	< 1	< 1	0.0%	2505785	1	2		2505795	2	2	0.0%	2505810	4	3	28.6%
Sc	2505770	25	27	7.7%	2505785	26	26	0.0%	2505795	31	31	0.0%	2505810	42	43	2.4%
Se	2505770	< 10	< 10	0.0%	2505785	< 10	< 10	0.0%	2505795	< 10	< 10	0.0%	2505810	< 10	< 10	0.0%
Sn	2505770	< 5	< 5	0.0%	2505785	< 5	< 5	0.0%	2505795	< 5	< 5	0.0%	2505810	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark

Sr	2505770	252	232	8.3%	2505785	117	119	1.7%	2505795	75	62	19.0%	2505810	13	13	0.0%
Ta	2505770	< 10	< 10	0.0%	2505785	< 10	< 10	0.0%	2505795	< 10	< 10	0.0%	2505810	< 10	< 10	0.0%
Te	2505770	< 10	< 10	0.0%	2505785	< 10	< 10	0.0%	2505795	< 10	< 10	0.0%	2505810	< 10	< 10	0.0%
Th	2505770	< 5	< 5	0.0%	2505785	< 5	< 5	0.0%	2505795	< 5	< 5	0.0%	2505810	< 5	< 5	0.0%
Ti	2505770	0.32	0.35	9.0%	2505785	0.25	0.25	0.0%	2505795	0.115	0.121	5.1%	2505810	0.195	0.190	2.6%
Tl	2505770	< 5	< 5	0.0%	2505785	< 5	< 5	0.0%	2505795	< 5	< 5	0.0%	2505810	< 5	< 5	0.0%
U	2505770	< 5	< 5	0.0%	2505785	< 5	< 5	0.0%	2505795	< 5	< 5	0.0%	2505810	< 5	< 5	0.0%
V	2505770	196	211	7.4%	2505785	153	154	0.7%	2505795	113	114	0.9%	2505810	202	206	2.0%
W	2505770	< 1	< 1	0.0%	2505785	< 1	< 1	0.0%	2505795	< 1	< 1	0.0%	2505810	< 1	< 1	0.0%
Y	2505770	5	6	18.2%	2505785	6	6	0.0%	2505795	10	10	0.0%	2505810	5	5	0.0%
Zn	2505770	102	103	1.0%	2505785	207	214	3.3%	2505795	79.6	81.0	1.7%	2505810	97.6	98.1	0.5%
Zr	2505770	< 5	< 5	0.0%	2505785	< 5	< 5	0.0%	2505795	21	25	17.4%	2505810	9	8	11.8%
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	2505820	< 0.5	< 0.5	0.0%	2505835	< 0.5	< 0.5	0.0%	2505845	< 0.5	< 0.5	0.0%				
Al	2505820	3.50	3.61	3.1%	2505835	7.07	7.17	1.4%	2505845	7.28	7.04	3.4%				
As	2505820	< 1	< 1	0.0%	2505835	< 1	< 1	0.0%	2505845	< 1	< 1	0.0%				
Ba	2505820	2	2	0.0%	2505835	21	22	4.7%	2505845	26	29	10.9%				
Be	2505820	< 0.5	< 0.5	0.0%	2505835	< 0.5	< 0.5	0.0%	2505845	< 0.5	< 0.5	0.0%				
Bi	2505820	< 1	< 1	0.0%	2505835	< 1	< 1	0.0%	2505845	< 1	< 1	0.0%				
Ca	2505820	4.32	4.11	5.0%	2505835	2.34	2.35	0.4%	2505845	2.21	2.38	7.4%				
Cd	2505820	< 0.5	< 0.5	0.0%	2505835	< 0.5	< 0.5	0.0%	2505845	< 0.5	< 0.5	0.0%				
Ce	2505820	2	2	0.0%	2505835	1	1	0.0%	2505845	2	2	0.0%				
Co	2505820	86.7	82.9	4.5%	2505835	50.8	51.0	0.4%	2505845	63.8	61.4	3.8%				
Cr	2505820	166	151	9.5%	2505835	156	160	2.5%	2505845	237	239	0.8%				
Cu	2505820	1030	876	16.2%	2505835	305	310	1.6%	2505845	184	236	24.8%				
Fe	2505820	10.1	9.93	1.7%	2505835	11.7	11.5	1.7%	2505845	12.3	12.3	0.0%				
Ga	2505820	12	10	18.2%	2505835	20	19	5.1%	2505845	19	18	5.4%				
In	2505820	< 1	< 1	0.0%	2505835	< 1	< 1	0.0%	2505845	< 1	< 1	0.0%				
K	2505820	0.014	0.016	13.3%	2505835	0.13	0.13	0.0%	2505845	0.15	0.20	28.6%				
La	2505820	< 2	< 2	0.0%	2505835	< 2	< 2	0.0%	2505845	< 2	< 2	0.0%				
Li	2505820	6	7	15.4%	2505835	51	52	1.9%	2505845	55	53	3.7%				
Mg	2505820	10.5	10.2	2.9%	2505835	6.96	7.02	0.9%	2505845	7.11	6.89	3.1%				
Mn	2505820	1820	1760	3.4%	2505835	2120	2140	0.9%	2505845	1610	1710	6.0%				

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ATTENTION TO: Garry Clark

Mo	2505820	< 0.5	< 0.5	0.0%	2505835	0.9	0.7	25.0%	2505845	< 0.5	< 0.5	0.0%				
Na	2505820	0.09	0.09	0.0%	2505835	0.696	0.687	1.3%	2505845	0.23	0.26	12.2%				
Ni	2505820	282	266	5.8%	2505835	109	110	0.9%	2505845	127	130	2.3%				
P	2505820	34	41	18.7%	2505835	23	28	19.6%	2505845	28	18					
Pb	2505820	< 1	< 1	0.0%	2505835	< 1	< 1	0.0%	2505845	< 1	< 1	0.0%				
Rb	2505820	< 10	< 10	0.0%	2505835	< 10	< 10	0.0%	2505845	< 10	10					
S	2505820	0.12	0.10	18.2%	2505835	0.07	0.07	0.0%	2505845	0.061	0.067	9.4%				
Sb	2505820	3	1		2505835	< 1	< 1	0.0%	2505845	1	1	0.0%				
Sc	2505820	47	44	6.6%	2505835	39	39	0.0%	2505845	28	29	3.5%				
Se	2505820	< 10	< 10	0.0%	2505835	< 10	< 10	0.0%	2505845	< 10	< 10	0.0%				
Sn	2505820	< 5	< 5	0.0%	2505835	< 5	< 5	0.0%	2505845	< 5	< 5	0.0%				
Sr	2505820	9	9	0.0%	2505835	89	88	1.1%	2505845	34	44	25.6%				
Ta	2505820	< 10	< 10	0.0%	2505835	< 10	< 10	0.0%	2505845	< 10	< 10	0.0%				
Te	2505820	12	12	0.0%	2505835	< 10	< 10	0.0%	2505845	< 10	14					
Th	2505820	< 5	< 5	0.0%	2505835	< 5	< 5	0.0%	2505845	< 5	< 5	0.0%				
Ti	2505820	0.148	0.143	3.4%	2505835	0.42	0.42	0.0%	2505845	0.30	0.30	0.0%				
Tl	2505820	< 5	< 5	0.0%	2505835	< 5	< 5	0.0%	2505845	< 5	< 5	0.0%				
U	2505820	< 5	< 5	0.0%	2505835	< 5	< 5	0.0%	2505845	< 5	< 5	0.0%				
V	2505820	181	170	6.3%	2505835	215	219	1.8%	2505845	141	154	8.8%				
W	2505820	< 1	< 1	0.0%	2505835	< 1	< 1	0.0%	2505845	< 1	< 1	0.0%				
Y	2505820	4	3	28.6%	2505835	3	3	0.0%	2505845	3	3	0.0%				
Zn	2505820	150	148	1.3%	2505835	296	288	2.7%	2505845	278	274	1.4%				
Zr	2505820	8	7	13.3%	2505835	< 5	< 5	0.0%	2505845	< 5	< 5	0.0%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2505795	5	6	18.2%	2505785	4	4	0.0%	2505810	6	4	40.0%	2505820	31	33	6.3%
Pd	2505795	4	5	22.2%	2505785	17	19	11.1%	2505810	41	42	2.4%	2505820	68	72	5.7%
Pt	2505795	< 5	< 5	0.0%	2505785	< 5	< 5	0.0%	2505810	11	14	24.0%	2505820	19	18	5.4%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Au	2505835	6	7	15.4%
Pd	2505835	16	16	0.0%
Pt	2505835	8	< 5	

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.43	99%	90% - 110%	6.96	6.93	100%	90% - 110%	13.0	12.6	97%	90% - 110%	8.47	8.31	98%	90% - 110%
As	26	29	110%	90% - 110%	124	135	109%	90% - 110%					26	27	104%	90% - 110%
Ba	540	536	99%	90% - 110%	186	192	103%	90% - 110%	1305	1354	104%	90% - 110%	540	526	97%	90% - 110%
Be	4.0	3.6	89%	90% - 110%									4.0	3.4	84%	90% - 110%
Ca	0.907	0.897	99%	90% - 110%	4.01	3.79	95%	90% - 110%	1.42	1.37	96%	90% - 110%	0.907	0.884	97%	90% - 110%
Ce	98	107	109%	90% - 110%	24	23	96%	90% - 110%	58.24	61.54	106%	90% - 110%	98	99	101%	90% - 110%
Co	15	11	75%	90% - 110%	22.1	20.8	94%	90% - 110%					15	11	76%	90% - 110%
Cr	60.3	63.7	106%	90% - 110%									60.3	63.1	105%	90% - 110%
Cu	150	157	104%	90% - 110%	88.6	92.2	104%	90% - 110%					150	157	105%	90% - 110%
Fe	3.77	3.76	100%	90% - 110%	7.56	7.23	96%	90% - 110%	3.27	3.14	96%	90% - 110%	3.77	3.68	98%	90% - 110%
Ga									22.63	21.46	95%	90% - 110%				
K					2.021	2.105	104%	90% - 110%	3.69	3.96	107%	90% - 110%				
La	44	45	102%	90% - 110%					27.48	29.84	109%	90% - 110%	44	42	96%	90% - 110%
Li	47	48	103%	90% - 110%					64.95	67.58	104%	90% - 110%	47	47	101%	90% - 110%
Mg	1.10	1.08	98%	90% - 110%	2.412	2.379	99%	90% - 110%	0.223	0.234	105%	90% - 110%	1.10	1.07	97%	90% - 110%
Mn	780	788	101%	90% - 110%	1510	1483	98%	90% - 110%					780	777	100%	90% - 110%
Mo	14	14	101%	90% - 110%									14	13	93%	90% - 110%
Na	1.624	1.707	105%	90% - 110%	0.617	0.636	103%	90% - 110%	7.24	7.28	101%	90% - 110%	1.624	1.687	104%	90% - 110%
Ni	32	33	102%	90% - 110%	77.1	72.6	94%	90% - 110%					32	34	105%	90% - 110%
P	750	799	107%	90% - 110%	892	894	100%	90% - 110%					750	769	102%	90% - 110%
Pb	31	26	83%	90% - 110%									31	26	83%	90% - 110%
Rb	143	144	101%	90% - 110%									143	136	95%	90% - 110%
S					0.348	0.338	97%	90% - 110%								
Sc	12	13	106%	90% - 110%					2.76	2.51	91%	90% - 110%	12	12	104%	90% - 110%
Sr	144	152	105%	90% - 110%	92.8	90.9	98%	90% - 110%	312	322	103%	90% - 110%	144	149	103%	90% - 110%
Ti	0.53	0.49	93%	90% - 110%					0.222	0.226	102%	90% - 110%	0.53	0.48	90%	90% - 110%
V	77	83	107%	90% - 110%									77	81	105%	90% - 110%
W	5	5	95%	90% - 110%									5	4	73%	90% - 110%
Y									25.32	25.7	101%	90% - 110%				
Zn	130	124	95%	90% - 110%	208	212	102%	90% - 110%	75.42	77.31	103%	90% - 110%	130	122	93%	90% - 110%

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AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

	CRM #5 (ref.GTS-2a)															
Parameter	Expect	Actual	Recovery	Limits												
Al	6.96	6.79	98%	90% - 110%												
As	124	125	100%	90% - 110%												
Ba	186	186	100%	90% - 110%												
Ca	4.01	3.72	93%	90% - 110%												
Ce	24	22	91%	90% - 110%												
Co	22.1	20.2	91%	90% - 110%												
Cu	88.6	87.5	99%	90% - 110%												
Fe	7.56	7.05	93%	90% - 110%												
K	2.021	2.064	102%	90% - 110%												
Mg	2.412	2.334	97%	90% - 110%												
Mn	1510	1439	95%	90% - 110%												
Na	0.617	0.63	102%	90% - 110%												
Ni	77.1	70.5	91%	90% - 110%												
P	892	907	102%	90% - 110%												
S	0.348	0.319	92%	90% - 110%												
Sr	92.8	87.6	94%	90% - 110%												
Zn	208	201	97%	90% - 110%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1897	1746	92%	90% - 110%	1897	1807	95%	90% - 110%	1897	1975	104%	90% - 110%				
Pd	1660	1589	96%	90% - 110%	1660	1608	97%	90% - 110%	1660	1713	103%	90% - 110%				
Pt	223	214	96%	90% - 110%	223	210	94%	90% - 110%	223	224	100%	90% - 110%				

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T750991

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC
1558 WEST HASTINGS STREET
VANCOUVER , BC V6G 3J4
604-639-4457

ATTENTION TO: Garry Clark

PROJECT: EAST BULL

AGAT WORK ORDER: 21T751013

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 15, 2021

PAGES (INCLUDING COVER): 28

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829669 (2506197)	1.21
E5829670 (2506198)	1.01
E5829671 (2506199)	2.48
E5829672 (2506200)	2.49
E5829673 (2506201)	2.16
E5829674 (2506202)	2.11
E5829675 (2506203)	1.91
E5829676 (2506204)	1.65
E5829677 (2506205)	2.33
E5829678 (2506206)	2.41
E5829679 (2506207)	2.47
E5829680 (2506208)	0.11
E5829681 (2506209)	2.39
E5829682 (2506210)	2.21
E5829683 (2506211)	2.09
E5829684 (2506212)	1.88
E5829685 (2506213)	2.52
E5829686 (2506214)	2.36
E5829687 (2506215)	2.37
E5829688 (2506216)	2.64
E5829689 (2506217)	2.39
E5829690 (2506218)	0.73
E5829691 (2506219)	2.36
E5829692 (2506220)	2.32
E5829693 (2506221)	2.49
E5829694 (2506222)	2.49
E5829695 (2506223)	2.29
E5829696 (2506224)	2.46
E5829697 (2506225)	2.38
E5829698 (2506226)	2.46
E5829699 (2506227)	2.49

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829700 (2506228)	2.37
E5829701 (2506229)	1.21
E5829702 (2506230)	1.09
E5829703 (2506231)	2.46
E5829704 (2506232)	2.48
E5829705 (2506233)	2.36
E5829706 (2506234)	2.41
E5829707 (2506235)	2.15
E5829708 (2506236)	2.25
E5829709 (2506237)	2.25
E5829710 (2506238)	0.08
E5829711 (2506239)	2.63
E5829712 (2506240)	2.21
E5829713 (2506241)	2.25
E5829714 (2506242)	2.05
E5829715 (2506243)	2.09
E5829716 (2506244)	1.89
E5829717 (2506245)	2.12
E5829718 (2506246)	2.14
E5829719 (2506247)	2.27
E5829720 (2506248)	0.71
E5829721 (2506249)	2.33
E5829722 (2506250)	2.29
E5829723 (2506251)	2.51
E5829724 (2506252)	2.36
E5829725 (2506253)	2.33
E5829726 (2506254)	2.38
E5829727 (2506255)	2.13
E5829728 (2506256)	2.26
E5829729 (2506257)	1.26
E5829730 (2506258)	1.16

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(200-) Sample Login Weight

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E5829731 (2506259)	2.05
E5829732 (2506260)	2.37
E5829733 (2506261)	2.52
E5829734 (2506262)	2.31
E5829735 (2506263)	2.16
E5829736 (2506264)	2.49
E5829737 (2506265)	2.32
E5829738 (2506266)	2.51
E5829739 (2506267)	2.45
E5829740 (2506268)	2.51
E5829741 (2506269)	2.41
E5829742 (2506270)	2.41
E5829743 (2506271)	2.25
E5829744 (2506272)	2.11

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829669 (2506197)	<0.5	7.24	<1	133	<0.5	<1	2.94	<0.5	2	83.5	137	490	14.1	23
E5829670 (2506198)	<0.5	6.93	<1	109	<0.5	<1	2.99	<0.5	2	91.0	122	367	13.9	24
E5829671 (2506199)	<0.5	6.73	<1	124	<0.5	<1	3.57	<0.5	1	86.5	225	322	12.6	21
E5829672 (2506200)	<0.5	7.18	<1	172	<0.5	<1	3.48	<0.5	2	76.3	138	224	11.3	20
E5829673 (2506201)	<0.5	6.35	<1	203	<0.5	<1	4.28	<0.5	3	52.7	192	262	9.49	16
E5829674 (2506202)	<0.5	5.39	<1	12	<0.5	<1	3.98	<0.5	2	70.6	240	201	11.6	19
E5829675 (2506203)	<0.5	4.49	<1	3	<0.5	<1	4.62	<0.5	1	74.0	139	263	14.5	21
E5829676 (2506204)	<0.5	5.49	<1	28	<0.5	<1	7.36	<0.5	2	75.4	96.6	659	11.8	23
E5829677 (2506205)	<0.5	7.68	<1	149	<0.5	<1	4.67	<0.5	4	55.9	174	94.2	7.47	16
E5829678 (2506206)	<0.5	8.78	<1	187	0.8	<1	5.86	<0.5	7	34.1	148	60.9	7.38	20
E5829679 (2506207)	<0.5	7.35	<1	94	<0.5	<1	5.13	<0.5	22	50.5	272	469	9.69	20
E5829680 (2506208)	4.5	6.82	<1	276	<0.5	<1	4.03	0.7	27	159	261	6710	13.1	16
E5829681 (2506209)	<0.5	8.37	<1	71	<0.5	<1	4.10	<0.5	15	38.1	283	12.1	8.65	19
E5829682 (2506210)	<0.5	6.97	<1	101	<0.5	<1	5.81	<0.5	39	43.0	50.4	209	9.47	20
E5829683 (2506211)	<0.5	7.25	<1	135	<0.5	<1	5.84	<0.5	30	44.4	110	435	8.00	18
E5829684 (2506212)	<0.5	6.57	<1	26	<0.5	<1	3.61	<0.5	2	70.4	475	527	7.82	13
E5829685 (2506213)	<0.5	4.64	<1	3	<0.5	<1	5.10	<0.5	1	73.0	620	1150	7.64	10
E5829686 (2506214)	<0.5	3.94	<1	1	<0.5	<1	5.55	<0.5	<1	66.5	301	98.1	7.30	9
E5829687 (2506215)	<0.5	6.96	<1	81	<0.5	<1	5.29	<0.5	34	42.8	89.4	604	6.10	16
E5829688 (2506216)	<0.5	9.87	<1	115	<0.5	<1	4.98	<0.5	4	57.2	84.6	93.8	6.39	16
E5829689 (2506217)	<0.5	7.47	<1	52	<0.5	<1	4.40	<0.5	3	71.3	91.1	165	7.23	13
E5829690 (2506218)	<0.5	0.09	<1	740	<0.5	<1	19.4	<0.5	<1	<0.5	3.1	<0.5	0.08	<5
E5829691 (2506219)	<0.5	10.0	<1	123	<0.5	<1	4.43	<0.5	3	53.9	44.2	125	5.95	17
E5829692 (2506220)	<0.5	10.7	<1	128	<0.5	<1	5.00	<0.5	3	57.0	66.3	224	6.50	18
E5829693 (2506221)	<0.5	3.37	<1	2	<0.5	<1	5.98	<0.5	1	69.1	330	326	7.61	9
E5829694 (2506222)	<0.5	4.63	<1	4	<0.5	<1	4.45	<0.5	1	62.5	663	228	7.95	11
E5829695 (2506223)	<0.5	5.21	<1	2	<0.5	<1	3.65	<0.5	1	59.9	65.6	70.4	8.12	14
E5829696 (2506224)	<0.5	4.03	<1	3	<0.5	<1	5.01	<0.5	2	65.1	164	355	7.98	10
E5829697 (2506225)	<0.5	4.84	<1	37	<0.5	<1	4.72	<0.5	2	68.1	150	598	7.60	11
E5829698 (2506226)	<0.5	6.51	<1	45	<0.5	<1	3.87	<0.5	3	78.7	107	426	7.92	15
E5829699 (2506227)	<0.5	6.17	2	29	<0.5	<1	3.49	<0.5	1	65.3	137	424	8.44	16
E5829700 (2506228)	<0.5	5.93	<1	55	<0.5	<1	3.66	<0.5	2	64.3	113	247	8.67	13

Certified By: Sherin Moussa

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829701 (2506229)	0.9	1.88	<1	1	<0.5	<1	3.47	<0.5	<1	96.1	244	945	10.0	8
E5829702 (2506230)	0.8	1.88	<1	1	<0.5	<1	3.50	<0.5	<1	91.9	243	900	10.0	8
E5829703 (2506231)	<0.5	4.50	<1	29	<0.5	<1	3.80	<0.5	2	95.1	162	722	9.15	11
E5829704 (2506232)	<0.5	5.68	<1	36	<0.5	<1	3.81	<0.5	1	70.6	76.6	645	9.06	12
E5829705 (2506233)	<0.5	5.79	1	37	<0.5	<1	3.80	<0.5	3	77.3	73.5	841	9.77	14
E5829706 (2506234)	<0.5	6.18	<1	81	<0.5	<1	3.51	<0.5	2	77.6	59.0	583	9.24	13
E5829707 (2506235)	<0.5	6.01	<1	58	<0.5	<1	3.31	<0.5	3	66.8	83.2	251	9.55	14
E5829708 (2506236)	<0.5	6.68	1	62	<0.5	<1	2.47	<0.5	3	83.9	108	976	10.0	15
E5829709 (2506237)	<0.5	4.34	<1	4	<0.5	<1	3.86	<0.5	<1	89.5	163	632	11.3	11
E5829710 (2506238)	4.4	6.81	<1	288	<0.5	<1	4.09	0.9	27	158	266	6650	13.4	16
E5829711 (2506239)	<0.5	3.83	<1	3	<0.5	<1	3.08	<0.5	1	84.6	169	559	11.7	13
E5829712 (2506240)	<0.5	5.94	<1	58	<0.5	<1	2.56	<0.5	1	78.5	152	350	12.6	17
E5829713 (2506241)	<0.5	8.84	<1	198	<0.5	<1	4.42	<0.5	2	61.6	72.3	127	13.6	25
E5829714 (2506242)	<0.5	7.87	<1	145	<0.5	<1	4.66	<0.5	<1	62.3	57.1	237	13.0	24
E5829715 (2506243)	<0.5	8.32	<1	151	<0.5	<1	3.25	<0.5	1	73.7	33.0	338	12.5	23
E5829716 (2506244)	<0.5	7.74	<1	218	<0.5	<1	3.08	<0.5	3	58.0	198	523	10.2	20
E5829717 (2506245)	<0.5	8.04	<1	219	<0.5	<1	2.95	<0.5	3	50.8	349	429	9.14	18
E5829718 (2506246)	<0.5	8.12	<1	143	<0.5	<1	4.05	<0.5	2	46.9	460	448	6.90	14
E5829719 (2506247)	<0.5	6.40	<1	88	<0.5	<1	4.10	<0.5	6	62.9	195	332	8.05	13
E5829720 (2506248)	<0.5	0.06	1	1140	<0.5	<1	19.2	<0.5	<1	<0.5	2.3	<0.5	0.05	<5
E5829721 (2506249)	<0.5	7.55	<1	125	<0.5	<1	4.14	<0.5	7	70.9	104	54.4	8.38	14
E5829722 (2506250)	<0.5	7.58	<1	135	<0.5	<1	4.09	<0.5	8	68.0	103	153	8.79	18
E5829723 (2506251)	<0.5	8.63	<1	208	<0.5	<1	4.03	<0.5	4	46.2	311	217	6.96	18
E5829724 (2506252)	<0.5	5.94	<1	102	<0.5	<1	5.46	<0.5	<1	51.1	179	253	8.79	16
E5829725 (2506253)	<0.5	5.95	<1	5	<0.5	<1	3.72	<0.5	1	45.7	177	89.8	11.1	20
E5829726 (2506254)	<0.5	5.53	<1	2	<0.5	<1	2.89	<0.5	1	49.6	37.8	221	10.5	18
E5829727 (2506255)	<0.5	6.22	<1	2	<0.5	<1	2.51	<0.5	1	45.2	19.6	178	11.8	21
E5829728 (2506256)	<0.5	6.41	<1	2	<0.5	<1	2.22	<0.5	1	57.6	21.6	293	12.5	20
E5829729 (2506257)	<0.5	5.17	<1	11	<0.5	<1	4.16	<0.5	2	60.8	59.0	815	10.3	14
E5829730 (2506258)	<0.5	5.27	<1	9	<0.5	<1	4.33	<0.5	2	63.9	59.1	573	10.8	16
E5829731 (2506259)	<0.5	7.23	<1	137	<0.5	<1	2.91	<0.5	4	76.7	77.1	393	10.2	19
E5829732 (2506260)	<0.5	5.47	<1	69	<0.5	<1	4.61	<0.5	4	71.4	286	668	9.99	14

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
E5829733 (2506261)	<0.5	6.77	<1	123	<0.5	<1	5.15	<0.5	6	59.4	189	685	8.49	15
E5829734 (2506262)	<0.5	8.72	<1	245	<0.5	<1	4.03	<0.5	8	37.0	109	286	5.90	16
E5829735 (2506263)	<0.5	9.55	<1	107	<0.5	<1	5.14	<0.5	1	39.1	137	280	5.29	16
E5829736 (2506264)	<0.5	6.74	<1	51	<0.5	<1	5.37	<0.5	4	61.9	238	1010	8.63	13
E5829737 (2506265)	<0.5	6.74	<1	31	<0.5	<1	4.77	<0.5	9	49.5	143	386	8.05	14
E5829738 (2506266)	<0.5	9.01	<1	71	<0.5	<1	8.10	<0.5	7	29.9	98.2	86.5	6.23	19
E5829739 (2506267)	<0.5	9.27	<1	159	<0.5	<1	7.23	<0.5	<1	28.0	93.8	2.0	5.36	20
E5829740 (2506268)	<0.5	8.91	<1	163	<0.5	<1	5.29	<0.5	11	35.1	104	161	7.76	18
E5829741 (2506269)	<0.5	9.40	<1	56	1.4	<1	4.16	<0.5	11	40.6	217	19.4	7.22	19
E5829742 (2506270)	<0.5	9.38	<1	43	1.1	<1	5.24	<0.5	19	35.3	164	76.5	6.37	21
E5829743 (2506271)	<0.5	8.76	<1	42	1.4	<1	5.95	<0.5	17	35.0	207	37.0	6.60	20
E5829744 (2506272)	<0.5	7.66	<1	36	1.6	<1	7.08	<0.5	21	32.7	254	76.7	7.02	19

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829669 (2506197)	<1	0.65	<2	45	5.63	1940	0.5	1.20	214	43	<1	27	0.83	<1
E5829670 (2506198)	<1	0.59	<2	45	5.81	1980	1.4	1.05	230	59	<1	22	0.94	<1
E5829671 (2506199)	<1	0.57	<2	47	6.48	2050	<0.5	0.93	211	50	<1	24	0.61	<1
E5829672 (2506200)	<1	0.86	<2	50	6.87	2010	<0.5	0.99	151	61	<1	34	0.44	<1
E5829673 (2506201)	<1	0.83	<2	45	7.69	1890	<0.5	0.80	143	147	<1	37	0.11	1
E5829674 (2506202)	<1	0.07	<2	27	8.44	2170	<0.5	0.18	155	59	<1	<10	0.15	<1
E5829675 (2506203)	<1	0.02	<2	17	8.24	2550	<0.5	0.10	120	<10	<1	<10	0.26	<1
E5829676 (2506204)	<1	0.22	<2	58	4.52	1430	<0.5	0.26	83.6	55	<1	<10	0.41	<1
E5829677 (2506205)	<1	0.98	<2	57	6.24	1300	<0.5	1.95	230	39	<1	36	0.11	<1
E5829678 (2506206)	<1	0.50	2	20	4.15	1260	1.5	2.39	78.6	331	<1	22	0.11	<1
E5829679 (2506207)	<1	0.16	9	20	4.69	1510	0.9	2.57	214	758	<1	<10	0.41	<1
E5829680 (2506208)	<1	0.65	12	12	3.99	1170	3.7	1.87	9360	658	19	15	2.88	<1
E5829681 (2506209)	<1	0.11	6	24	4.77	1420	1.2	3.24	139	520	<1	<10	0.03	<1
E5829682 (2506210)	<1	0.45	17	16	3.07	1290	2.0	2.57	47.0	756	<1	<10	0.06	<1
E5829683 (2506211)	<1	0.45	13	16	3.73	1150	3.1	2.66	78.0	647	<1	11	0.08	<1
E5829684 (2506212)	<1	0.12	<2	43	9.34	1330	1.8	1.07	476	60	<1	<10	0.07	1
E5829685 (2506213)	<1	0.02	<2	33	11.3	1570	<0.5	0.11	630	50	<1	<10	0.13	3
E5829686 (2506214)	<1	0.02	<2	26	11.2	1580	<0.5	0.08	341	41	<1	<10	0.01	2
E5829687 (2506215)	<1	0.32	16	21	4.85	1020	1.9	2.47	112	618	<1	12	0.11	<1
E5829688 (2506216)	<1	0.69	2	43	6.71	1050	0.7	1.65	200	81	<1	32	0.01	3
E5829689 (2506217)	<1	0.43	<2	42	8.99	1280	<0.5	0.92	163	33	<1	19	0.02	2
E5829690 (2506218)	<1	0.02	2	10	12.5	391	<0.5	0.04	<0.5	48	1	<10	0.02	<1
E5829691 (2506219)	<1	1.09	2	60	6.93	994	0.6	1.63	94.7	61	<1	56	0.02	3
E5829692 (2506220)	<1	0.93	<2	49	6.52	1040	1.2	1.51	159	45	<1	47	0.07	3
E5829693 (2506221)	<1	0.02	<2	11	11.5	1710	<0.5	0.09	290	89	<1	<10	0.04	1
E5829694 (2506222)	<1	0.03	<2	16	10.8	1520	<0.5	0.09	340	55	<1	<10	0.03	4
E5829695 (2506223)	<1	0.01	<2	23	10.7	1390	<0.5	0.07	88.4	45	<1	<10	0.01	1
E5829696 (2506224)	<1	0.02	<2	20	10.8	1590	<0.5	0.17	177	60	<1	<10	0.06	1
E5829697 (2506225)	<1	0.10	<2	24	9.79	1500	0.8	0.74	192	62	<1	<10	0.10	2
E5829698 (2506226)	<1	0.15	<2	35	9.49	1460	<0.5	0.97	174	35	<1	<10	0.17	2
E5829699 (2506227)	<1	0.10	<2	38	9.71	1600	0.6	0.56	158	36	<1	<10	0.08	2
E5829700 (2506228)	<1	0.18	<2	34	9.76	1560	<0.5	0.51	149	18	<1	<10	0.05	2

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829701 (2506229)	<1	<0.01	<2	3	12.5	1340	<0.5	0.07	358	34	33	<10	0.36	1
E5829702 (2506230)	<1	<0.01	<2	2	12.3	1330	<0.5	0.07	352	<10	23	<10	0.35	1
E5829703 (2506231)	<1	0.15	<2	21	10.2	1480	0.8	0.30	241	26	59	<10	0.48	2
E5829704 (2506232)	<1	0.17	<2	34	9.44	1540	0.7	0.46	152	36	<1	<10	0.32	2
E5829705 (2506233)	<1	0.18	<2	41	9.21	1610	1.0	0.45	136	83	<1	<10	0.36	<1
E5829706 (2506234)	<1	0.26	<2	44	9.30	1660	<0.5	0.51	128	24	<1	<10	0.20	2
E5829707 (2506235)	<1	0.20	<2	44	9.35	1720	<0.5	0.44	97.9	34	<1	<10	0.12	2
E5829708 (2506236)	<1	0.22	<2	35	8.51	1560	<0.5	0.51	184	87	<1	<10	0.24	1
E5829709 (2506237)	<1	0.02	<2	8	10.4	2270	<0.5	0.12	195	28	<1	<10	0.26	2
E5829710 (2506238)	<1	0.65	12	13	4.00	1170	3.6	1.92	9460	600	18	15	2.72	<1
E5829711 (2506239)	<1	0.02	<2	5	10.3	2630	<0.5	0.11	196	14	<1	<10	0.14	2
E5829712 (2506240)	<1	0.17	<2	29	9.28	2320	<0.5	0.24	141	20	<1	<10	0.10	<1
E5829713 (2506241)	<1	0.64	<2	72	6.30	2300	<0.5	1.11	108	<10	<1	19	0.11	<1
E5829714 (2506242)	<1	0.40	<2	62	6.21	2240	<0.5	1.17	75.7	<10	<1	<10	0.21	<1
E5829715 (2506243)	<1	0.45	<2	43	6.51	2030	<0.5	0.97	70.7	<10	<1	17	0.46	<1
E5829716 (2506244)	<1	0.83	<2	35	7.24	1460	<0.5	1.09	131	45	<1	21	0.16	3
E5829717 (2506245)	<1	0.58	<2	51	7.27	1320	<0.5	1.46	136	31	<1	22	0.13	2
E5829718 (2506246)	<1	0.53	<2	35	6.80	1220	<0.5	2.24	190	44	<1	23	0.07	2
E5829719 (2506247)	<1	0.31	2	41	8.19	1450	0.9	1.10	243	108	<1	11	0.06	1
E5829720 (2506248)	<1	0.02	<2	8	12.9	441	<0.5	0.03	<0.5	57	<1	<10	0.03	1
E5829721 (2506249)	<1	0.44	4	47	7.65	1440	<0.5	1.54	223	107	<1	16	0.03	3
E5829722 (2506250)	<1	0.46	4	43	7.37	1450	0.7	1.42	190	162	<1	16	0.10	2
E5829723 (2506251)	<1	0.80	<2	49	7.37	1180	0.9	1.69	207	39	<1	35	0.08	4
E5829724 (2506252)	<1	0.39	<2	31	8.03	1460	0.8	0.95	195	<10	<1	13	0.14	1
E5829725 (2506253)	<1	0.02	<2	26	9.41	1430	<0.5	0.18	84.9	15	<1	<10	0.05	<1
E5829726 (2506254)	<1	0.01	<2	17	8.88	1210	1.3	0.08	45.7	<10	<1	<10	0.49	<1
E5829727 (2506255)	<1	0.02	<2	14	9.35	1350	0.5	0.08	26.1	11	<1	<10	0.50	1
E5829728 (2506256)	<1	0.02	<2	20	8.90	1290	0.9	0.07	50.5	34	<1	<10	0.80	2
E5829729 (2506257)	<1	0.05	<2	31	9.12	1560	0.5	0.38	181	48	<1	<10	0.41	2
E5829730 (2506258)	<1	0.05	<2	32	9.43	1600	0.5	0.36	193	67	<1	<10	0.42	3
E5829731 (2506259)	<1	0.38	2	38	6.99	1320	1.0	1.23	196	49	<1	13	0.77	<1
E5829732 (2506260)	<1	0.23	<2	29	8.13	1540	0.9	0.84	418	39	<1	<10	0.40	3

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID) RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.01	1
E5829733 (2506261)	<1	0.51	<2	33	7.22	1540	<0.5	1.31	268	99	<1	23	0.27	<1
E5829734 (2506262)	<1	0.91	4	37	4.99	1070	0.6	2.78	136	176	<1	42	0.06	3
E5829735 (2506263)	<1	0.65	<2	52	4.50	953	0.6	3.23	175	60	<1	31	0.22	3
E5829736 (2506264)	<1	0.36	<2	41	7.01	1730	1.1	1.78	346	75	<1	18	0.13	2
E5829737 (2506265)	<1	0.29	3	41	5.49	1500	0.6	1.97	180	179	<1	<10	0.06	1
E5829738 (2506266)	<1	0.50	3	43	4.16	1170	1.4	1.54	90.4	238	<1	18	0.03	<1
E5829739 (2506267)	<1	0.80	<2	32	4.36	1160	0.8	2.41	91.5	149	<1	40	<0.01	<1
E5829740 (2506268)	<1	0.62	5	30	3.90	1360	1.1	2.64	77.4	330	<1	28	0.05	<1
E5829741 (2506269)	<1	0.42	4	58	4.98	1240	1.3	3.38	178	492	5	15	0.01	<1
E5829742 (2506270)	<1	0.21	11	26	4.08	1130	2.0	3.80	145	391	<1	<10	0.06	<1
E5829743 (2506271)	<1	0.21	8	24	4.56	1240	1.1	3.41	150	369	<1	<10	0.06	<1
E5829744 (2506272)	<1	0.24	8	22	5.02	1360	1.1	2.58	151	609	<1	<10	0.03	<1

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829669 (2506197)	25	<10	<5	143	<10	<10	<5	0.66	<5	<5	269	<1	1	254
E5829670 (2506198)	26	<10	<5	112	<10	<10	<5	0.65	<5	<5	256	<1	1	253
E5829671 (2506199)	28	<10	<5	131	<10	<10	<5	0.42	<5	<5	265	<1	2	261
E5829672 (2506200)	26	<10	<5	166	<10	<10	<5	0.40	<5	<5	218	<1	3	243
E5829673 (2506201)	25	<10	<5	151	<10	<10	<5	0.19	<5	<5	115	<1	3	212
E5829674 (2506202)	39	<10	<5	30	<10	<10	<5	0.49	<5	<5	225	<1	7	213
E5829675 (2506203)	47	<10	<5	12	<10	<10	<5	0.64	<5	<5	286	<1	8	187
E5829676 (2506204)	34	<10	<5	60	<10	<10	<5	0.81	<5	<5	267	<1	6	121
E5829677 (2506205)	29	<10	<5	240	<10	<10	<5	0.32	<5	<5	192	<1	5	73.3
E5829678 (2506206)	27	<10	<5	355	<10	<10	<5	0.46	<5	<5	233	<1	11	98.0
E5829679 (2506207)	29	<10	<5	300	<10	<10	<5	0.59	<5	<5	276	<1	19	127
E5829680 (2506208)	12	<10	6	295	<10	<10	<5	0.61	<5	<5	115	12	11	118
E5829681 (2506209)	27	<10	<5	295	<10	<10	<5	0.48	<5	<5	204	<1	13	133
E5829682 (2506210)	38	<10	<5	217	<10	<10	<5	0.70	<5	<5	325	<1	29	62.7
E5829683 (2506211)	36	<10	<5	249	<10	<10	<5	0.63	<5	<5	299	<1	25	59.2
E5829684 (2506212)	23	<10	<5	55	<10	<10	<5	0.10	<5	<5	103	<1	3	106
E5829685 (2506213)	30	<10	<5	8	<10	<10	<5	0.11	<5	<5	130	<1	3	118
E5829686 (2506214)	31	<10	<5	6	<10	<10	<5	0.10	<5	<5	131	<1	2	101
E5829687 (2506215)	27	<10	<5	245	<10	<10	<5	0.42	<5	<5	170	<1	22	63.5
E5829688 (2506216)	11	<10	<5	281	<10	<10	<5	0.07	<5	<5	52.9	<1	2	87.6
E5829689 (2506217)	18	<10	<5	127	<10	<10	<5	0.09	<5	<5	81.9	<1	2	96.3
E5829690 (2506218)	<1	<10	<5	131	<10	<10	<5	<0.01	<5	<5	4.0	<1	<1	11.0
E5829691 (2506219)	13	<10	<5	280	<10	<10	<5	0.06	<5	<5	59.7	<1	2	79.3
E5829692 (2506220)	12	<10	<5	345	<10	<10	<5	0.07	<5	<5	67.9	<1	1	90.5
E5829693 (2506221)	39	<10	<5	11	<10	<10	<5	0.14	<5	<5	174	<1	5	102
E5829694 (2506222)	29	<10	<5	10	<10	<10	<5	0.12	<5	<5	140	<1	7	103
E5829695 (2506223)	41	<10	<5	8	<10	<10	<5	0.14	<5	<5	206	<1	4	110
E5829696 (2506224)	47	<10	<5	14	<10	<10	<5	0.15	<5	<5	187	<1	5	102
E5829697 (2506225)	37	<10	<5	80	<10	<10	<5	0.09	<5	<5	137	<1	3	98.0
E5829698 (2506226)	31	<10	<5	106	<10	<10	<5	0.10	<5	<5	159	<1	2	112
E5829699 (2506227)	33	<10	<5	58	<10	<10	<5	0.09	<5	<5	152	<1	2	124
E5829700 (2506228)	39	<10	<5	50	<10	<10	<5	0.10	<5	<5	158	<1	2	123

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829701 (2506229)	46	<10	<5	7	<10	11	<5	0.11	<5	<5	157	<1	1	129
E5829702 (2506230)	45	<10	<5	7	<10	10	<5	0.11	<5	<5	155	<1	1	122
E5829703 (2506231)	39	<10	<5	30	<10	<10	<5	0.09	<5	<5	137	<1	2	288
E5829704 (2506232)	37	<10	<5	49	<10	<10	<5	0.09	<5	<5	135	<1	1	132
E5829705 (2506233)	38	<10	<5	38	<10	<10	<5	0.15	<5	<5	165	<1	3	157
E5829706 (2506234)	40	<10	<5	54	<10	<10	<5	0.10	<5	<5	140	<1	2	170
E5829707 (2506235)	40	<10	<5	45	<10	<10	<5	0.10	<5	<5	135	<1	2	182
E5829708 (2506236)	36	<10	<5	54	<10	<10	<5	0.13	<5	<5	150	<1	2	208
E5829709 (2506237)	49	<10	<5	9	<10	12	<5	0.16	<5	<5	202	<1	2	246
E5829710 (2506238)	12	<10	6	301	<10	<10	<5	0.62	<5	<5	115	12	11	120
E5829711 (2506239)	52	<10	<5	8	<10	13	<5	0.18	<5	<5	213	<1	3	274
E5829712 (2506240)	41	<10	<5	22	<10	<10	<5	0.35	<5	<5	350	<1	2	318
E5829713 (2506241)	21	<10	<5	177	<10	<10	<5	0.66	<5	<5	612	<1	<1	277
E5829714 (2506242)	28	<10	<5	168	<10	<10	<5	0.65	<5	<5	522	<1	<1	276
E5829715 (2506243)	42	<10	<5	155	<10	<10	<5	0.72	<5	<5	520	<1	<1	260
E5829716 (2506244)	38	<10	<5	221	<10	<10	<5	0.18	<5	<5	256	<1	1	210
E5829717 (2506245)	30	<10	<5	227	<10	<10	<5	0.25	<5	<5	184	<1	2	164
E5829718 (2506246)	24	<10	<5	389	<10	<10	<5	0.09	<5	<5	92.2	<1	2	109
E5829719 (2506247)	29	<10	<5	135	<10	<10	<5	0.16	<5	<5	124	<1	5	119
E5829720 (2506248)	<1	<10	<5	128	<10	<10	<5	<0.01	<5	<5	3.0	<1	<1	16.8
E5829721 (2506249)	21	<10	<5	196	<10	<10	<5	0.15	<5	<5	101	<1	4	116
E5829722 (2506250)	24	<10	<5	210	<10	<10	<5	0.19	<5	<5	122	<1	5	118
E5829723 (2506251)	19	<10	<5	299	<10	<10	<5	0.09	<5	<5	80.7	<1	5	99.8
E5829724 (2506252)	43	<10	<5	198	<10	<10	<5	0.23	<5	<5	211	<1	2	92.4
E5829725 (2506253)	38	<10	<5	22	<10	<10	<5	0.33	<5	<5	259	<1	6	110
E5829726 (2506254)	34	<10	<5	10	<10	<10	<5	0.24	<5	<5	248	<1	2	136
E5829727 (2506255)	39	<10	<5	9	<10	<10	<5	0.40	<5	<5	301	<1	2	159
E5829728 (2506256)	40	<10	<5	7	<10	<10	<5	0.29	<5	<5	287	<1	2	161
E5829729 (2506257)	41	<10	<5	26	<10	<10	<5	0.22	<5	<5	211	<1	5	147
E5829730 (2506258)	42	<10	<5	24	<10	<10	<5	0.25	<5	<5	225	<1	5	150
E5829731 (2506259)	30	<10	<5	112	<10	<10	<5	0.26	<5	<5	169	<1	3	122
E5829732 (2506260)	30	<10	<5	59	<10	11	<5	0.14	<5	<5	132	<1	5	110

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
E5829733 (2506261)	34	<10	<5	130	<10	<10	<5	0.40	<5	<5	256	<1	8	86.3
E5829734 (2506262)	20	<10	<5	225	<10	<10	<5	0.20	<5	<5	107	<1	5	68.3
E5829735 (2506263)	19	<10	<5	182	<10	<10	<5	0.16	<5	<5	118	<1	2	71.5
E5829736 (2506264)	37	<10	<5	62	<10	<10	<5	0.17	<5	<5	155	<1	6	102
E5829737 (2506265)	31	<10	<5	61	<10	<10	<5	0.31	<5	<5	185	<1	9	82.9
E5829738 (2506266)	24	<10	<5	93	<10	<10	<5	0.37	<5	<5	188	<1	9	61.4
E5829739 (2506267)	24	<10	<5	259	<10	<10	<5	0.22	<5	<5	159	<1	5	78.3
E5829740 (2506268)	26	<10	<5	217	<10	<10	<5	0.44	<5	<5	198	<1	12	93.4
E5829741 (2506269)	24	<10	<5	186	<10	<10	<5	0.50	<5	<5	191	<1	12	153
E5829742 (2506270)	19	<10	<5	215	<10	<10	<5	0.40	<5	<5	182	<1	14	72.9
E5829743 (2506271)	25	<10	<5	224	<10	<10	<5	0.51	<5	<5	202	<1	19	73.8
E5829744 (2506272)	32	<10	<5	212	<10	<10	<5	0.60	<5	<5	220	<1	20	79.5

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829669 (2506197)	<5
E5829670 (2506198)	<5
E5829671 (2506199)	<5
E5829672 (2506200)	<5
E5829673 (2506201)	<5
E5829674 (2506202)	<5
E5829675 (2506203)	<5
E5829676 (2506204)	<5
E5829677 (2506205)	6
E5829678 (2506206)	13
E5829679 (2506207)	27
E5829680 (2506208)	51
E5829681 (2506209)	13
E5829682 (2506210)	108
E5829683 (2506211)	91
E5829684 (2506212)	8
E5829685 (2506213)	6
E5829686 (2506214)	7
E5829687 (2506215)	94
E5829688 (2506216)	7
E5829689 (2506217)	8
E5829690 (2506218)	<5
E5829691 (2506219)	6
E5829692 (2506220)	6
E5829693 (2506221)	14
E5829694 (2506222)	8
E5829695 (2506223)	12
E5829696 (2506224)	16
E5829697 (2506225)	6
E5829698 (2506226)	8
E5829699 (2506227)	<5
E5829700 (2506228)	<5

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PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829701 (2506229)	5
E5829702 (2506230)	<5
E5829703 (2506231)	<5
E5829704 (2506232)	<5
E5829705 (2506233)	10
E5829706 (2506234)	<5
E5829707 (2506235)	<5
E5829708 (2506236)	9
E5829709 (2506237)	<5
E5829710 (2506238)	51
E5829711 (2506239)	8
E5829712 (2506240)	<5
E5829713 (2506241)	<5
E5829714 (2506242)	<5
E5829715 (2506243)	<5
E5829716 (2506244)	<5
E5829717 (2506245)	<5
E5829718 (2506246)	<5
E5829719 (2506247)	16
E5829720 (2506248)	<5
E5829721 (2506249)	15
E5829722 (2506250)	17
E5829723 (2506251)	7
E5829724 (2506252)	<5
E5829725 (2506253)	<5
E5829726 (2506254)	<5
E5829727 (2506255)	<5
E5829728 (2506256)	8
E5829729 (2506257)	13
E5829730 (2506258)	14
E5829731 (2506259)	5
E5829732 (2506260)	15

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Zr
Unit:	ppm
Sample ID (AGAT ID) RDL:	5
E5829733 (2506261)	15
E5829734 (2506262)	21
E5829735 (2506263)	<5
E5829736 (2506264)	10
E5829737 (2506265)	24
E5829738 (2506266)	23
E5829739 (2506267)	<5
E5829740 (2506268)	32
E5829741 (2506269)	19
E5829742 (2506270)	186
E5829743 (2506271)	42
E5829744 (2506272)	28

Comments: RDL - Reported Detection Limit

2506197-2506272 As, Sb values may be low due to digestion losses.

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829669 (2506197)	8	31	10
E5829670 (2506198)	7	29	9
E5829671 (2506199)	7	45	12
E5829672 (2506200)	6	36	9
E5829673 (2506201)	6	63	23
E5829674 (2506202)	5	42	9
E5829675 (2506203)	5	24	7
E5829676 (2506204)	4	11	7
E5829677 (2506205)	6	19	5
E5829678 (2506206)	2	<1	<5
E5829679 (2506207)	6	20	11
E5829680 (2506208)	228	1300	645
E5829681 (2506209)	1	1	<5
E5829682 (2506210)	6	21	22
E5829683 (2506211)	15	16	19
E5829684 (2506212)	17	111	60
E5829685 (2506213)	45	289	113
E5829686 (2506214)	5	41	23
E5829687 (2506215)	19	97	37
E5829688 (2506216)	5	19	12
E5829689 (2506217)	6	87	41
E5829690 (2506218)	2	<1	<5
E5829691 (2506219)	6	6	<5
E5829692 (2506220)	11	79	33
E5829693 (2506221)	15	304	128
E5829694 (2506222)	7	8	<5
E5829695 (2506223)	6	102	46
E5829696 (2506224)	17	169	82
E5829697 (2506225)	29	44	21
E5829698 (2506226)	18	84	28
E5829699 (2506227)	16	6	<5
E5829700 (2506228)	8	9	<5

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829701 (2506229)	27	110	43
E5829702 (2506230)	28	111	46
E5829703 (2506231)	31	48	14
E5829704 (2506232)	29	32	10
E5829705 (2506233)	47	19	9
E5829706 (2506234)	47	24	7
E5829707 (2506235)	13	9	<5
E5829708 (2506236)	23	38	16
E5829709 (2506237)	11	17	<5
E5829710 (2506238)	185	1387	625
E5829711 (2506239)	8	15	<5
E5829712 (2506240)	6	8	<5
E5829713 (2506241)	3	1	<5
E5829714 (2506242)	4	1	<5
E5829715 (2506243)	8	5	<5
E5829716 (2506244)	10	11	<5
E5829717 (2506245)	9	43	11
E5829718 (2506246)	18	68	18
E5829719 (2506247)	17	192	58
E5829720 (2506248)	2	<1	<5
E5829721 (2506249)	4	7	<5
E5829722 (2506250)	5	101	38
E5829723 (2506251)	6	20	7
E5829724 (2506252)	12	150	51
E5829725 (2506253)	4	9	<5
E5829726 (2506254)	9	9	<5
E5829727 (2506255)	4	11	<5
E5829728 (2506256)	4	15	<5
E5829729 (2506257)	25	70	26
E5829730 (2506258)	26	83	29
E5829731 (2506259)	26	75	28
E5829732 (2506260)	21	217	102

Certified By: Sherin Moussa

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppb	ppb	ppb
Sample ID (AGAT ID) RDL:	1	1	5
E5829733 (2506261)	26	117	76
E5829734 (2506262)	21	48	34
E5829735 (2506263)	10	36	12
E5829736 (2506264)	18	329	411
E5829737 (2506265)	18	372	468
E5829738 (2506266)	4	4	<5
E5829739 (2506267)	5	7	8
E5829740 (2506268)	3	1	<5
E5829741 (2506269)	<1	<1	<5
E5829742 (2506270)	<1	<1	<5
E5829743 (2506271)	<1	<1	<5
E5829744 (2506272)	<1	<1	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Crushing)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829669 (2506197)	78.00
E5829679 (2506207)	75.75
E5829689 (2506217)	75.81
E5829699 (2506227)	75.71
E5829709 (2506237)	76.55
E5829721 (2506249)	75.58
E5829731 (2506259)	75.52
E5829741 (2506269)	75.53

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Sieving - % Passing (Pulverizing)

DATE SAMPLED: May 24, 2021 | DATE RECEIVED: May 21, 2021 | DATE REPORTED: Jul 15, 2021 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E5829669 (2506197)	85.51
E5829686 (2506214)	85.11
E5829695 (2506223)	87.21
E5829723 (2506251)	88.89

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	2506197	< 0.5	< 0.5	0.0%	2506212	< 0.5	< 0.5	0.0%	2506222	< 0.5	< 0.5	0.0%	2506237	< 0.5	< 0.5	0.0%
Al	2506197	7.24	7.45	2.9%	2506212	6.57	6.43	2.2%	2506222	4.63	4.67	0.9%	2506237	4.34	4.25	2.1%
As	2506197	< 1	< 1	0.0%	2506212	< 1	< 1	0.0%	2506222	< 1	< 1	0.0%	2506237	< 1	< 1	0.0%
Ba	2506197	133	141	5.8%	2506212	26	25	3.9%	2506222	4	3	28.6%	2506237	4	3	28.6%
Be	2506197	< 0.5	< 0.5	0.0%	2506212	< 0.5	< 0.5	0.0%	2506222	< 0.5	< 0.5	0.0%	2506237	< 0.5	< 0.5	0.0%
Bi	2506197	< 1	< 1	0.0%	2506212	< 1	< 1	0.0%	2506222	< 1	< 1	0.0%	2506237	< 1	< 1	0.0%
Ca	2506197	2.94	2.73	7.4%	2506212	3.61	3.55	1.7%	2506222	4.45	4.46	0.2%	2506237	3.86	3.74	3.2%
Cd	2506197	< 0.5	< 0.5	0.0%	2506212	< 0.5	< 0.5	0.0%	2506222	< 0.5	< 0.5	0.0%	2506237	< 0.5	< 0.5	0.0%
Ce	2506197	2	2	0.0%	2506212	2	2	0.0%	2506222	1	1	0.0%	2506237	< 1	1	
Co	2506197	83.5	80.6	3.5%	2506212	70.4	69.4	1.4%	2506222	62.5	64.2	2.7%	2506237	89.5	88.5	1.1%
Cr	2506197	137	147	7.0%	2506212	475	488	2.7%	2506222	663	655	1.2%	2506237	163	167	2.4%
Cu	2506197	490	379	25.5%	2506212	527	530	0.6%	2506222	228	232	1.7%	2506237	632	621	1.8%
Fe	2506197	14.1	13.4	5.1%	2506212	7.82	7.66	2.1%	2506222	7.95	8.08	1.6%	2506237	11.3	11.0	2.7%
Ga	2506197	23	24	4.3%	2506212	13	13	0.0%	2506222	11	13	16.7%	2506237	11	13	16.7%
In	2506197	< 1	< 1	0.0%	2506212	< 1	< 1	0.0%	2506222	< 1	< 1	0.0%	2506237	< 1	< 1	0.0%
K	2506197	0.65	0.681	4.7%	2506212	0.12	0.12	0.0%	2506222	0.03	0.02		2506237	0.02	0.02	0.0%
La	2506197	< 2	< 2	0.0%	2506212	< 2	< 2	0.0%	2506222	< 2	< 2	0.0%	2506237	< 2	< 2	0.0%
Li	2506197	45	47	4.3%	2506212	43	43	0.0%	2506222	16	16	0.0%	2506237	8	7	13.3%
Mg	2506197	5.63	5.64	0.2%	2506212	9.34	9.16	1.9%	2506222	10.8	11.1	2.7%	2506237	10.4	10.2	1.9%
Mn	2506197	1940	1910	1.6%	2506212	1330	1300	2.3%	2506222	1520	1560	2.6%	2506237	2270	2240	1.3%
Mo	2506197	0.5	1.1		2506212	1.8	0.7		2506222	< 0.5	< 0.5	0.0%	2506237	< 0.5	< 0.5	0.0%
Na	2506197	1.20	1.23	2.5%	2506212	1.07	1.05	1.9%	2506222	0.090	0.081	10.5%	2506237	0.12	0.12	0.0%
Ni	2506197	214	205	4.3%	2506212	476	484	1.7%	2506222	340	348	2.3%	2506237	195	199	2.0%
P	2506197	43	23		2506212	60	85		2506222	55	37		2506237	28	13	
Pb	2506197	< 1	< 1	0.0%	2506212	< 1	< 1	0.0%	2506222	< 1	< 1	0.0%	2506237	< 1	< 1	0.0%
Rb	2506197	27	29	7.1%	2506212	< 10	< 10	0.0%	2506222	< 10	< 10	0.0%	2506237	< 10	< 10	0.0%
S	2506197	0.83	0.714	15.0%	2506212	0.068	0.063	7.6%	2506222	0.03	0.03	0.0%	2506237	0.263	0.253	3.9%
Sb	2506197	< 1	< 1	0.0%	2506212	1	3		2506222	4	3	28.6%	2506237	2	2	0.0%
Sc	2506197	25	25	0.0%	2506212	23	24	4.3%	2506222	29	29	0.0%	2506237	49	49	0.0%
Se	2506197	< 10	< 10	0.0%	2506212	< 10	< 10	0.0%	2506222	< 10	< 10	0.0%	2506237	< 10	< 10	0.0%
Sn	2506197	< 5	< 5	0.0%	2506212	< 5	< 5	0.0%	2506222	< 5	< 5	0.0%	2506237	< 5	< 5	0.0%

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ATTENTION TO: Garry Clark

Sr	2506197	143	145	1.4%	2506212	55	53	3.7%	2506222	10	8	22.2%	2506237	9	8	11.8%
Ta	2506197	< 10	< 10	0.0%	2506212	< 10	< 10	0.0%	2506222	< 10	< 10	0.0%	2506237	< 10	< 10	0.0%
Te	2506197	< 10	< 10	0.0%	2506212	< 10	< 10	0.0%	2506222	< 10	< 10	0.0%	2506237	12	11	8.7%
Th	2506197	< 5	< 5	0.0%	2506212	< 5	< 5	0.0%	2506222	< 5	< 5	0.0%	2506237	< 5	< 5	0.0%
Ti	2506197	0.66	0.60	9.5%	2506212	0.10	0.10	0.0%	2506222	0.12	0.12	0.0%	2506237	0.16	0.16	0.0%
Tl	2506197	< 5	< 5	0.0%	2506212	< 5	< 5	0.0%	2506222	< 5	< 5	0.0%	2506237	< 5	< 5	0.0%
U	2506197	< 5	< 5	0.0%	2506212	< 5	< 5	0.0%	2506222	< 5	< 5	0.0%	2506237	< 5	< 5	0.0%
V	2506197	269	259	3.8%	2506212	103	105	1.9%	2506222	140	145	3.5%	2506237	202	203	0.5%
W	2506197	< 1	< 1	0.0%	2506212	< 1	< 1	0.0%	2506222	< 1	< 1	0.0%	2506237	< 1	< 1	0.0%
Y	2506197	1	1	0.0%	2506212	3	3	0.0%	2506222	7	7	0.0%	2506237	2	2	0.0%
Zn	2506197	254	253	0.4%	2506212	106	105	0.9%	2506222	103	103	0.0%	2506237	246	246	0.0%
Zr	2506197	< 5	< 5	0.0%	2506212	8	8	0.0%	2506222	8	9	11.8%	2506237	< 5	< 5	0.0%
	REPLICATE #5				REPLICATE #6				REPLICATE #7							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	2506247	< 0.5	< 0.5	0.0%	2506262	< 0.5	< 0.5	0.0%	2506272	< 0.5	< 0.5	0.0%				
Al	2506247	6.40	6.50	1.6%	2506262	8.72	9.01	3.3%	2506272	7.66	7.81	1.9%				
As	2506247	< 1	< 1	0.0%	2506262	< 1	< 1	0.0%	2506272	< 1	< 1	0.0%				
Ba	2506247	88	97	9.7%	2506262	245	251	2.4%	2506272	36	36	0.0%				
Be	2506247	< 0.5	< 0.5	0.0%	2506262	< 0.5	< 0.5	0.0%	2506272	1.6	1.6	0.0%				
Bi	2506247	< 1	< 1	0.0%	2506262	< 1	< 1	0.0%	2506272	< 1	< 1	0.0%				
Ca	2506247	4.10	4.24	3.4%	2506262	4.03	4.12	2.2%	2506272	7.08	6.98	1.4%				
Cd	2506247	< 0.5	< 0.5	0.0%	2506262	< 0.5	< 0.5	0.0%	2506272	< 0.5	< 0.5	0.0%				
Ce	2506247	6	6	0.0%	2506262	8	8	0.0%	2506272	21	21	0.0%				
Co	2506247	62.9	62.0	1.4%	2506262	37.0	37.0	0.0%	2506272	32.7	34.0	3.9%				
Cr	2506247	195	189	3.1%	2506262	109	114	4.5%	2506272	254	257	1.2%				
Cu	2506247	332	270	20.6%	2506262	286	304	6.1%	2506272	76.7	74.1	3.4%				
Fe	2506247	8.05	7.91	1.8%	2506262	5.90	6.06	2.7%	2506272	7.02	7.19	2.4%				
Ga	2506247	13	13	0.0%	2506262	16	16	0.0%	2506272	19	19	0.0%				
In	2506247	< 1	< 1	0.0%	2506262	< 1	< 1	0.0%	2506272	< 1	< 1	0.0%				
K	2506247	0.31	0.35	12.1%	2506262	0.91	0.94	3.2%	2506272	0.24	0.24	0.0%				
La	2506247	2	2	0.0%	2506262	4	4	0.0%	2506272	8	8	0.0%				
Li	2506247	41	41	0.0%	2506262	37	38	2.7%	2506272	22	23	4.4%				
Mg	2506247	8.19	8.15	0.5%	2506262	4.99	5.14	3.0%	2506272	5.02	5.13	2.2%				
Mn	2506247	1450	1440	0.7%	2506262	1070	1100	2.8%	2506272	1360	1390	2.2%				

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CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Mo	2506247	0.9	< 0.5		2506262	0.65	0.68	4.5%	2506272	1.1	1.6					
Na	2506247	1.10	1.19	7.9%	2506262	2.78	2.87	3.2%	2506272	2.58	2.50	3.1%				
Ni	2506247	243	230	5.5%	2506262	136	136	0.0%	2506272	151	155	2.6%				
P	2506247	108	119	9.7%	2506262	176	153	14.0%	2506272	609	597	2.0%				
Pb	2506247	< 1	< 1	0.0%	2506262	< 1	< 1	0.0%	2506272	< 1	< 1	0.0%				
Rb	2506247	11	13	16.7%	2506262	42	41	2.4%	2506272	< 10	< 10	0.0%				
S	2506247	0.06	0.04		2506262	0.062	0.067	7.8%	2506272	0.03	0.03	0.0%				
Sb	2506247	1	< 1		2506262	3	< 1		2506272	< 1	< 1	0.0%				
Sc	2506247	29	29	0.0%	2506262	20	20	0.0%	2506272	32	32	0.0%				
Se	2506247	< 10	< 10	0.0%	2506262	< 10	< 10	0.0%	2506272	< 10	< 10	0.0%				
Sn	2506247	< 5	< 5	0.0%	2506262	< 5	< 5	0.0%	2506272	< 5	< 5	0.0%				
Sr	2506247	135	152	11.8%	2506262	225	231	2.6%	2506272	212	210	0.9%				
Ta	2506247	< 10	< 10	0.0%	2506262	< 10	< 10	0.0%	2506272	< 10	< 10	0.0%				
Te	2506247	< 10	< 10	0.0%	2506262	< 10	< 10	0.0%	2506272	< 10	< 10	0.0%				
Th	2506247	< 5	< 5	0.0%	2506262	< 5	< 5	0.0%	2506272	< 5	< 5	0.0%				
Ti	2506247	0.162	0.172	6.0%	2506262	0.20	0.21	4.9%	2506272	0.60	0.59	1.7%				
Tl	2506247	< 5	< 5	0.0%	2506262	< 5	< 5	0.0%	2506272	< 5	< 5	0.0%				
U	2506247	< 5	< 5	0.0%	2506262	< 5	< 5	0.0%	2506272	< 5	< 5	0.0%				
V	2506247	124	124	0.0%	2506262	107	108	0.9%	2506272	220	227	3.1%				
W	2506247	< 1	< 1	0.0%	2506262	< 1	< 1	0.0%	2506272	< 1	< 1	0.0%				
Y	2506247	5	5	0.0%	2506262	5	5	0.0%	2506272	20	20	0.0%				
Zn	2506247	119	118	0.8%	2506262	68.3	71.5	4.6%	2506272	79.5	77.1	3.1%				
Zr	2506247	16	18	11.8%	2506262	21	25	17.4%	2506272	28	29	3.5%				

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2506197	8	7	13.3%	2506212	17	19	11.1%	2506222	7	9	25.0%	2506237	11	12	8.7%
Pd	2506197	31	28	10.2%	2506212	111	115	3.5%	2506222	8	10	22.2%	2506237	17	18	5.7%
Pt	2506197	10	7		2506212	60	61	1.7%	2506222	< 5	< 5	0.0%	2506237	< 5	< 5	0.0%

	REPLICATE #5				REPLICATE #6			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	2506247	17	14	19.4%	2506262	21	26	21.3%
Pd	2506247	192	160	18.2%	2506262	48	48	0.0%
Pt	2506247	58	52	10.9%	2506262	34	28	19.4%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

(201-070) 4 Acid Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.Till-2)				CRM #2 (ref.GTS-2a)				CRM #3 (ref.CGL-015)				CRM #4 (ref.Till-2)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	8.47	8.3	98%	90% - 110%	6.96	7.02	101%	90% - 110%	13.0	13	100%	90% - 110%	8.47	8.36	99%	90% - 110%
As	26	28	108%	90% - 110%	124	133	107%	90% - 110%					26	26	99%	90% - 110%
Ba	540	538	100%	90% - 110%	186	188	101%	90% - 110%	1305	1348	103%	90% - 110%	540	535	99%	90% - 110%
Be	4.0	3	74%	90% - 110%									4.0	2.8	70%	90% - 110%
Ca	0.907	0.891	98%	90% - 110%	4.01	3.93	98%	90% - 110%	1.42	1.41	99%	90% - 110%	0.907	0.892	98%	90% - 110%
Ce	98	97	99%	90% - 110%	24	23	95%	90% - 110%	58.24	60.49	104%	90% - 110%	98	95	97%	90% - 110%
Co	15	11	73%	90% - 110%	22.1	20.7	94%	90% - 110%					15	11	72%	90% - 110%
Cr	60.3	59.5	99%	90% - 110%									60.3	55.1	91%	90% - 110%
Cu	150	155	103%	90% - 110%	88.6	87.9	99%	90% - 110%					150	154	103%	90% - 110%
Fe	3.77	3.72	99%	90% - 110%	7.56	7.38	98%	90% - 110%	3.27	3.23	99%	90% - 110%	3.77	3.73	99%	90% - 110%
Ga									22.63	21.85	97%	90% - 110%				
K					2.021	2.15	106%	90% - 110%	3.69	3.78	102%	90% - 110%				
La	44	45	102%	90% - 110%					27.48	30.14	110%	90% - 110%	44	44	100%	90% - 110%
Li	47	47	99%	90% - 110%					64.95	66.99	103%	90% - 110%	47	47	100%	90% - 110%
Mg	1.10	1.08	98%	90% - 110%	2.412	2.432	101%	90% - 110%	0.223	0.239	107%	90% - 110%	1.10	1.08	99%	90% - 110%
Mn	780	764	98%	90% - 110%	1510	1483	98%	90% - 110%					780	767	98%	90% - 110%
Mo	14	13	95%	90% - 110%									14	13	92%	90% - 110%
Na	1.624	1.702	105%	90% - 110%	0.617	0.63	102%	90% - 110%	7.24	7.21	100%	90% - 110%	1.624	1.695	104%	90% - 110%
Ni	32	32	101%	90% - 110%	77.1	75.3	98%	90% - 110%					32	32	99%	90% - 110%
P	750	817	109%	90% - 110%	892	958	107%	90% - 110%					750	739	99%	90% - 110%
Pb	31	26	85%	90% - 110%									31	25	80%	90% - 110%
Rb	143	157	110%	90% - 110%									143	153	107%	90% - 110%
S					0.348	0.326	94%	90% - 110%								
Sc	12	12	101%	90% - 110%					2.76	2	72%	90% - 110%	12	12	100%	90% - 110%
Sr	144	151	105%	90% - 110%	92.8	90.1	97%	90% - 110%	312	323	104%	90% - 110%	144	150	104%	90% - 110%
Ti	0.53	0.49	93%	90% - 110%					0.222	0.226	102%	90% - 110%	0.53	0.48	90%	90% - 110%
V	77	84	109%	90% - 110%									77	82	107%	90% - 110%
Y									25.32	26.34	104%	90% - 110%				
Zn	130	127	98%	90% - 110%	208	215	103%	90% - 110%	75.42	79.82	106%	90% - 110%	130	123	95%	90% - 110%
	CRM #5 (ref.GTS-2a)															
Parameter	Expect	Actual	Recovery	Limits												

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

ATTENTION TO: Garry Clark

Al	6.96	7.19	103%	90% - 110%												
As	124	132	106%	90% - 110%												
Ba	186	198	107%	90% - 110%												
Ca	4.01	3.99	99%	90% - 110%												
Ce	24	22	92%	90% - 110%												
Co	22.1	20.6	93%	90% - 110%												
Cu	88.6	94.1	106%	90% - 110%												
Fe	7.56	7.34	97%	90% - 110%												
K	2.021	2.201	109%	90% - 110%												
Mg	2.412	2.439	101%	90% - 110%												
Mn	1510	1491	99%	90% - 110%												
Na	0.617	0.668	108%	90% - 110%												
Ni	77.1	73.3	95%	90% - 110%												
P	892	951	107%	90% - 110%												
S	0.348	0.341	98%	90% - 110%												
Sr	92.8	94.3	102%	90% - 110%												
Zn	208	210	101%	90% - 110%												

(202-555) Canadian Palladium - Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge) (ppb)

	CRM #1 (ref.PGMS30)				CRM #2 (ref.PGMS30)				CRM #3 (ref.PGMS30)				CRM #4 (ref.PGMS30)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1897	1778	94%	90% - 110%	1897	1756	93%	90% - 110%	1897	1908	101%	90% - 110%	1897	1779	94%	90% - 110%
Pd	1660	1643	99%	90% - 110%	1660	1625	98%	90% - 110%	1660	1703	103%	90% - 110%	1660	1497	90%	90% - 110%
Pt	223	226	101%	90% - 110%	223	226	101%	90% - 110%	223	220	99%	90% - 110%	223	214	96%	90% - 110%

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Al	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
As	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ba	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Be	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Bi	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ca	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cd	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ce	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Co	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Cu	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Fe	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ga	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
In	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
K	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
La	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Li	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mg	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Mo	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Na	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ni	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
P	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Pb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Rb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
S	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES

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Method Summary

CLIENT NAME: CANADIAN PALLADIUM RESOURCES INC

AGAT WORK ORDER: 21T751013

PROJECT: EAST BULL

ATTENTION TO: Garry Clark

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sc	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Se	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Sr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ta	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Te	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Th	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Ti	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Tl	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
U	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
V	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
W	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Y	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zn	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Zr	MIN-200-12034	Fletcher, WK:Handbook of Exploration Geochem V.1	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Pd	MIN-12006, MIN-12004		ICP/OES
Pt	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

Results relate only to the items tested. Results apply to samples as received.

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-10967**
Report Date: **20-Jul-21**
Date Submitted: **15-Jun-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

225 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-07-12 12:31:40
1F2	QOP Total (Total Digestion ICPOES)	2021-07-12 22:33:58

REPORT **A21-10967**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662001	< 2	16	15	< 0.3	8.02	8	426	< 1	< 2	5.91	< 0.3	43	64	111	7.50	16	1.09	3.35	19	1290	< 1	1.98	70
662002	3	106	44	< 0.3	8.21	6	692	< 1	< 2	5.57	< 0.3	43	74	73	6.97	14	1.87	3.80	22	1300	< 1	1.61	86
662003	< 2	85	8	< 0.3	9.13	< 3	819	< 1	< 2	4.77	< 0.3	43	73	19	6.35	15	2.49	3.56	32	1140	< 1	1.70	111
662004	< 2	31	< 5	< 0.3	9.44	6	770	< 1	< 2	5.95	< 0.3	39	103	35	6.02	17	2.46	3.65	24	1150	< 1	1.58	100
662005	< 2	18	5	< 0.3	9.24	3	> 1000	< 1	< 2	3.99	< 0.3	44	38	32	6.26	15	3.21	3.44	29	1140	< 1	1.83	123
662006	9	372	77	0.6	8.44	6	884	< 1	< 2	3.87	< 0.3	68	104	747	7.70	13	2.01	4.67	34	1340	< 1	1.63	392
662007	4	130	9	< 0.3	9.02	3	> 1000	< 1	< 2	4.16	< 0.3	54	41	155	6.72	15	2.87	4.34	31	1300	< 1	1.53	202
662008	12	258	66	0.8	8.27	9	285	< 1	< 2	4.35	0.6	69	190	1010	7.58	13	0.85	4.69	33	1310	< 1	2.15	540
662009	6	35	11	0.4	12.9	3	585	< 1	< 2	4.02	< 0.3	44	135	516	6.14	17	1.54	2.97	29	943	2	2.77	321
662010	120	1300	637	3.2	6.23	7	195	< 1	< 2	3.68	0.6	160	220	5970	12.7	13	0.58	3.61	12	1080	< 1	1.59	7840
662011	3	< 5	< 5	< 0.3	7.23	8	33	< 1	< 2	5.92	< 0.3	42	70	327	8.64	17	0.16	3.80	16	1300	< 1	2.60	74
662012	< 2	< 5	< 5	< 0.3	7.37	16	54	< 1	< 2	5.72	< 0.3	41	60	301	8.54	19	0.28	3.29	16	1280	< 1	2.82	68
662013	33	< 5	< 5	0.4	7.28	11	30	< 1	< 2	5.85	< 0.3	51	62	233	9.75	19	0.15	3.55	20	1480	< 1	2.36	56
662014	< 2	< 5	< 5	< 0.3	7.24	5	32	< 1	< 2	5.94	< 0.3	41	60	177	8.37	17	0.16	3.70	19	1250	< 1	2.33	63
662015	3	99	74	< 0.3	7.11	4	56	< 1	< 2	5.99	< 0.3	48	88	68	8.42	18	0.33	4.47	28	1270	< 1	1.81	140
662016	5	268	11	< 0.3	9.50	5	646	< 1	< 2	4.44	< 0.3	68	140	19	8.27	17	2.15	6.41	70	1280	< 1	0.85	318
662017	11	633	502	< 0.3	6.88	5	435	< 1	< 2	4.44	< 0.3	72	194	49	8.29	11	1.40	7.00	61	1300	< 1	0.69	330
662018	46	3170	1450	< 0.3	6.33	4	40	< 1	< 2	3.92	< 0.3	108	298	100	11.2	10	0.16	9.97	58	1620	< 1	0.34	579
662019	< 2	15	15	0.4	7.17	4	46	< 1	< 2	2.66	< 0.3	65	224	236	7.00	13	0.16	6.68	42	1110	6	2.70	386
662020	< 2	< 5	< 5	< 0.3	0.08	< 3	816	< 1	< 2	20.9	< 0.3	< 1	2	2	0.11	< 1	0.03	11.9	7	399	< 1	0.04	2
662021	131	87	42	0.4	7.86	8	525	< 1	< 2	2.86	0.7	67	252	1160	7.15	12	1.58	6.67	62	1190	< 1	1.40	422
662022	70	2080	760	0.9	7.63	9	464	< 1	< 2	3.57	1.2	89	160	1810	7.89	13	1.27	6.88	60	1260	< 1	1.40	754
662023	47	1050	397	< 0.3	9.53	5	663	< 1	< 2	5.35	< 0.3	51	203	403	5.90	13	2.01	4.94	47	1070	< 1	1.26	323
662024	152	1800	852	1.8	9.59	5	833	< 1	< 2	4.55	0.4	69	183	2710	5.85	14	2.50	5.00	50	1030	< 1	1.34	817
662025	11	215	88	0.4	8.70	8	430	1	< 2	3.60	< 0.3	53	130	1010	4.96	14	1.39	4.00	41	854	< 1	2.95	348
662026	35	1540	651	1.0	8.82	< 3	180	1	< 2	2.64	< 0.3	81	144	1410	4.58	13	0.69	3.53	30	785	2	4.09	537
662027	11	720	292	0.7	7.69	4	117	1	< 2	3.55	< 0.3	65	751	514	7.45	19	0.55	6.91	48	1300	2	2.19	593
662028	21	538	229	0.8	7.63	6	113	1	< 2	3.34	< 0.3	66	519	1010	5.51	14	0.52	5.18	33	1020	< 1	3.12	520
662029	12	572	207	< 0.3	7.11	< 3	553	< 1	< 2	4.71	0.3	58	1620	423	6.36	10	1.69	6.62	42	1250	< 1	1.55	465
662030	15	90	45	0.7	7.89	8	656	< 1	< 2	4.44	< 0.3	104	1830	1220	7.23	11	1.86	6.79	46	1320	< 1	1.70	763
662031	26	173	80	1.3	10.3	6	434	< 1	< 2	4.81	0.3	102	327	1860	5.47	15	2.02	4.65	47	896	< 1	2.58	727
662032	11	102	54	0.4	13.7	4	920	< 1	< 2	4.27	< 0.3	47	452	673	4.11	18	2.40	2.82	50	680	< 1	2.93	317
662033	7	84	84	< 0.3	10.4	< 3	669	< 1	< 2	3.76	< 0.3	61	135	383	5.46	17	2.17	4.60	57	891	< 1	2.62	430
662034	< 2	< 5	< 5	< 0.3	9.51	< 3	582	< 1	< 2	3.67	< 0.3	38	108	18	4.85	12	2.20	5.55	48	962	< 1	2.86	158
662035	< 2	7	9	< 0.3	8.28	< 3	547	< 1	< 2	4.27	< 0.3	40	504	55	4.88	11	1.73	5.26	46	955	< 1	2.49	203
662036	8	44	30	< 0.3	10.1	4	930	< 1	< 2	4.21	< 0.3	45	367	418	4.89	15	2.85	4.92	42	926	< 1	2.37	311
662037	< 2	13	8	< 0.3	9.70	8	917	1	< 2	3.21	< 0.3	40	643	77	4.80	13	1.97	4.62	42	937	< 1	2.80	235
662038	< 2	10	15	< 0.3	9.80	5	716	< 1	< 2	2.62	< 0.3	33	302	73	4.51	14	2.07	3.66	35	804	< 1	3.58	157
662039	< 2	< 5	< 5	< 0.3	7.99	5	578	< 1	< 2	4.73	< 0.3	51	1160	22	5.83	9	1.78	6.06	38	1120	< 1	2.05	307
662040	169	1350	671	3.3	6.93	< 3	103	< 1	11	3.94	0.8	177	236	6620	13.9	14	0.61	3.97	13	1150	< 1	1.72	8620
662041	3	9	< 5	< 0.3	9.19	3	543	< 1	< 2	4.98	< 0.3	48	591	91	5.73	13	1.59	5.23	43	1050	< 1	2.14	310
662042	4	8	8	< 0.3	9.69	< 3	294	< 1	< 2	6.58	< 0.3	29	249	61	3.81	16	1.30	3.44	37	751	< 1	2.72	184
662043	4	29	16	< 0.3	9.92	4	591	< 1	< 2	3.77	< 0.3	33	109	197	4.11	15	2.45	4.03	54	785	< 1	2.97	221
662044	2	15	10	< 0.3	8.96	5	999	< 1	< 2	4.60	0.5	41	268	215	5.58	14	2.62	5.22	36	1030	< 1	1.75	212
662045	12	75	47	< 0.3	8.17	8	526	< 1	< 2	3.93	< 0.3	57	610	553	6.54	11	2.19	7.36	62	1130	< 1	1.60	423
662046	6	19	10	0.5	9.39	10	690	< 1	< 2	4.41	9.8	56	361	241	6.37	17	2.15	6.06	66	1040	< 1	1.63	379
662047	< 2	19	11	< 0.3	6.46	4	264	< 1	< 2	4.90	< 0.3	55	501	33	7.45	10	1.04	7.86	46	1340	< 1	1.37	467
662048	3	< 5	< 5	< 0.3	8.73	5	819	< 1	< 2	4.24	< 0.3	52	241	140	6.82	15	2.44	6.58	50	1160	< 1	1.47	360
662049	18	< 5	< 5	< 0.3	7.55	4	637	< 1	< 2	3.93	< 0.3	53	232	40	7.46	13	1.96	7.35	60	1250	< 1	1.41	402
662050	< 2	< 5	< 5	< 0.3	0.10	< 3	559	< 1	< 2	23.0	< 0.3	< 1	6	4	0.09	< 1	0.02	11.7	6	420	< 1	0.04	4
662051	< 2	< 5	6	< 0.3	10.3	5	380	< 1	< 2	5.45	< 0.3	65	206	269	10.0	21	1.28	6.22	74	1200	< 1	1.00	225

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662052	< 2	< 5	< 5	< 0.3	9.21	< 3	526	< 1	< 2	4.43	< 0.3	49	270	102	8.00	16	1.88	6.03	58	1160	< 1	1.51	275
662053	< 2	< 5	< 5	< 0.3	7.55	4	453	< 1	< 2	4.55	< 0.3	57	500	6	7.86	13	1.80	7.69	46	1330	< 1	1.24	398
662054	< 2	< 5	< 5	< 0.3	5.98	9	316	< 1	< 2	3.74	0.4	51	261	3	6.82	11	1.22	6.90	47	1190	< 1	0.99	384
662055	< 2	< 5	< 5	< 0.3	8.44	< 3	221	< 1	< 2	6.74	< 0.3	49	164	55	7.98	16	0.59	5.69	30	1400	< 1	1.65	239
662056	3	66	35	0.4	9.64	16	226	< 1	< 2	5.98	0.6	95	154	579	6.85	21	0.66	3.62	17	1120	< 1	2.88	577
662057	3	23	14	0.5	9.12	11	143	< 1	< 2	6.49	< 0.3	66	158	726	7.29	18	0.47	4.22	18	1260	< 1	2.54	354
662058	3	13	8	0.4	11.5	4	212	< 1	< 2	6.42	< 0.3	39	173	589	7.18	21	0.52	3.63	21	1190	< 1	3.06	319
662059	< 2	< 5	10	0.5	7.43	15	112	< 1	< 2	7.21	< 0.3	80	327	793	8.27	16	0.39	4.71	18	1400	< 1	1.58	419
662060	< 2	7	< 5	< 0.3	7.65	< 3	156	< 1	< 2	7.37	< 0.3	42	205	166	7.13	18	0.45	4.48	21	1350	< 1	1.80	210
662061	< 2	14	12	< 0.3	7.38	13	38	< 1	< 2	6.50	< 0.3	45	89	54	7.67	15	0.14	4.06	17	1270	< 1	2.36	106
662062	< 2	11	15	< 0.3	7.41	5	46	< 1	< 2	6.15	< 0.3	49	99	60	7.80	14	0.17	4.26	19	1340	< 1	2.35	113
662063	< 2	19	22	< 0.3	7.77	11	46	< 1	< 2	5.93	< 0.3	47	96	148	7.79	14	0.20	4.42	19	1340	< 1	2.35	105
662064	< 2	24	23	< 0.3	7.20	< 3	30	< 1	< 2	5.65	< 0.3	45	111	67	7.67	14	0.11	4.19	18	1290	< 1	2.65	101
662065	< 2	27	25	< 0.3	7.24	6	44	< 1	< 2	6.09	< 0.3	45	82	72	7.58	15	0.16	3.92	26	1210	< 1	2.42	94
662066	< 2	8	12	< 0.3	7.17	< 3	27	< 1	< 2	5.10	< 0.3	46	136	81	7.52	14	0.15	4.15	20	1200	< 1	2.89	85
662067	< 2	7	9	< 0.3	7.32	7	43	< 1	< 2	5.55	< 0.3	49	110	58	7.72	14	0.16	4.33	21	1280	< 1	2.58	94
662068	< 2	7	9	< 0.3	7.30	4	24	< 1	< 2	5.01	< 0.3	55	110	77	8.40	14	0.12	4.83	24	1340	< 1	2.44	126
662069	3	9	10	< 0.3	7.43	10	26	< 1	< 2	4.92	< 0.3	53	79	94	8.14	14	0.13	4.80	23	1310	< 1	2.65	120
662070	111	1270	586	3.1	6.54	< 3	111	< 1	< 2	3.82	0.5	164	227	6280	13.3	13	0.60	3.79	12	1120	1	1.66	8090
662071	2	11	12	< 0.3	7.42	< 3	41	< 1	< 2	4.89	< 0.3	57	97	66	8.96	14	0.22	5.45	38	1320	< 1	2.05	156
662072	< 2	6	5	< 0.3	9.17	4	25	< 1	< 2	6.32	< 0.3	27	53	58	5.71	13	0.13	3.10	16	791	< 1	3.21	73
662073	2	12	10	< 0.3	7.92	7	38	< 1	< 2	7.16	< 0.3	49	60	71	7.87	16	0.17	4.39	19	1100	< 1	1.78	169
662074	156	801	191	0.8	7.62	< 3	52	< 1	< 2	4.63	0.3	81	517	2850	8.49	10	0.13	5.73	34	1330	< 1	2.11	654
662075	58	464	118	0.6	8.06	6	41	< 1	< 2	3.20	0.4	75	974	1020	9.87	13	0.10	6.03	40	1550	< 1	2.13	718
662076	2	76	54	0.4	6.85	< 3	34	< 1	< 2	7.08	0.5	52	99	111	10.2	16	0.15	4.47	37	1510	< 1	1.73	110
662077	< 2	21	20	0.7	6.80	< 3	33	< 1	< 2	4.94	0.8	55	32	347	10.4	17	0.18	4.07	14	1420	< 1	2.36	57
662078	9	38	29	0.4	6.98	4	26	< 1	< 2	5.22	< 0.3	51	40	322	9.32	16	0.12	4.28	17	1320	< 1	2.23	69
662079	224	517	247	0.7	6.48	4	27	< 1	< 2	4.89	0.5	64	618	1430	8.47	10	0.09	7.10	31	1510	5	1.83	508
662080	< 2	< 5	< 5	< 0.3	0.05	5	435	< 1	< 2	21.3	< 0.3	< 1	4	3	0.09	< 1	0.01	11.8	9	361	< 1	0.03	< 1
662081	76	533	173	0.6	7.59	4	62	< 1	< 2	4.49	< 0.3	64	1010	975	7.39	10	0.21	6.57	31	1320	< 1	2.23	621
662082	154	1110	400	0.8	7.34	12	109	< 1	< 2	4.81	0.7	69	814	1480	6.99	12	0.43	6.93	36	1360	< 1	1.54	572
662083	477	964	261	1.0	8.06	4	95	< 1	< 2	4.16	0.6	73	478	2280	6.42	11	0.42	6.53	48	1170	< 1	1.98	619
662084	34	294	85	0.5	11.4	8	286	< 1	3	6.86	0.4	40	147	870	3.89	17	0.98	3.44	27	673	< 1	1.96	363
662085	21	8	< 5	0.3	16.7	8	467	< 1	< 2	7.76	0.4	25	45	401	2.49	21	1.36	1.80	26	391	< 1	2.20	90
662086	74	269	68	1.2	11.5	4	265	< 1	< 2	5.61	1.0	68	92	1780	5.13	18	0.86	3.85	33	740	< 1	2.05	468
662087	45	72	20	0.8	9.12	< 3	66	< 1	< 2	4.53	0.6	65	105	1060	6.61	14	0.35	5.94	32	1100	< 1	1.72	299
662088	35	103	26	0.5	8.45	9	47	< 1	< 2	4.92	0.5	71	38	539	6.95	14	0.22	6.28	34	1180	< 1	1.38	170
662089	12	69	20	< 0.3	10.4	11	74	< 1	< 2	6.08	< 0.3	42	65	255	4.94	16	0.31	4.00	24	851	< 1	2.03	143
662090	11	101	26	< 0.3	12.7	10	71	< 1	< 2	5.94	< 0.3	44	64	262	5.12	16	0.32	4.15	26	864	< 1	2.01	153
662091	16	44	14	0.3	14.6	3	101	< 1	< 2	5.87	< 0.3	32	36	276	4.39	20	0.48	3.28	28	717	< 1	2.50	107
662092	15	83	23	0.6	10.8	7	66	< 1	< 2	5.50	0.5	51	64	735	7.06	22	0.28	3.95	29	1040	< 1	2.08	207
662093	1970	75	16	< 0.3	13.1	5	99	< 1	< 2	8.40	< 0.3	25	22	143	5.21	21	0.22	2.10	19	779	< 1	3.21	91
662094	4	47	12	< 0.3	12.1	5	217	< 1	< 2	3.93	< 0.3	29	50	173	4.70	19	0.44	2.25	22	656	< 1	4.20	133
662095	11	83	23	0.4	12.2	< 3	120	< 1	< 2	5.41	0.4	39	24	552	4.75	18	0.20	1.33	15	543	< 1	4.36	196
662096	19	125	38	< 0.3	8.77	12	31	< 1	< 2	5.63	< 0.3	50	225	255	8.38	17	0.13	4.97	23	1350	< 1	1.91	171
662097	< 2	7	8	< 0.3	7.45	4	10	< 1	< 2	7.31	< 0.3	60	269	78	9.81	16	0.06	5.50	19	1610	< 1	1.00	147
662098	< 2	< 5	< 5	< 0.3	8.08	11	47	< 1	< 2	7.74	0.4	49	125	53	7.77	14	0.29	4.90	18	1480	< 1	1.49	118
662099	14	146	51	0.5	8.23	< 3	34	< 1	< 2	7.41	0.4	60	133	500	8.06	14	0.24	4.81	36	1420	< 1	1.49	270
662100	181	1280	665	3.2	6.71	4	137	< 1	< 2	3.84	0.7	166	251	6440	13.4	12	0.61	3.85	12	1130	2	1.70	8160
662101	86	320	197	1.1	5.48	< 3	16	< 1	< 2	4.93	0.9	85	183	1290	9.71	11	0.08	7.37	22	1790	< 1	0.93	392
662102	78	77	80	0.7	5.98	5	55	< 1	< 2	4.78	0.5	74	319	785	9.15	12	0.19	7.10	25	1800	< 1	1.04	364

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662103	161	50	72	1.2	5.91	4	52	< 1	< 2	3.93	0.8	92	311	1460	10.2	11	0.19	7.28	31	1920	< 1	0.84	525
662104	105	31	53	0.9	6.73	< 3	97	< 1	< 2	4.80	0.7	76	143	1070	9.27	12	0.33	6.03	31	1650	< 1	1.22	399
662105	114	32	55	0.9	7.72	< 3	197	< 1	< 2	5.95	0.4	63	107	1020	8.01	15	0.44	4.90	23	1420	< 1	1.60	337
662106	18	15	17	< 0.3	7.17	< 3	120	< 1	< 2	4.11	< 0.3	65	145	249	8.18	13	0.43	5.65	30	1540	< 1	1.60	171
662107	135	27	50	0.9	5.84	< 3	42	< 1	< 2	4.63	0.8	84	166	1000	9.38	12	0.19	6.75	24	1780	< 1	1.25	383
662108	114	49	39	0.5	5.70	6	24	< 1	< 2	4.51	< 0.3	81	212	518	9.53	12	0.12	7.11	24	1840	< 1	1.19	248
662109	133	64	58	0.5	4.62	< 3	7	< 1	< 2	4.30	0.4	94	385	475	11.3	12	0.07	7.90	29	2090	< 1	0.31	280
662110	< 2	< 5	< 5	< 0.3	0.06	< 3	872	< 1	< 2	21.5	< 0.3	< 1	14	3	0.09	< 1	0.01	12.2	7	428	< 1	0.02	2
662111	231	30	39	1.2	5.52	< 3	54	< 1	< 2	4.67	1.0	86	289	800	10.2	11	0.23	6.69	28	1840	< 1	0.95	307
662112	23	13	12	< 0.3	7.32	16	89	< 1	< 2	7.05	< 0.3	51	209	162	8.66	14	0.36	4.71	18	1530	< 1	1.40	118
662113	7	8	9	< 0.3	6.80	7	86	< 1	< 2	7.43	< 0.3	47	185	115	8.82	15	0.35	4.44	15	1520	< 1	1.45	95
662114	22	11	6	< 0.3	8.31	6	115	< 1	< 2	5.82	< 0.3	48	133	211	8.21	18	0.42	3.99	18	1330	< 1	2.25	119
662115	3	< 5	< 5	< 0.3	11.2	7	90	< 1	< 2	4.42	< 0.3	32	56	49	6.13	18	0.27	3.10	18	981	< 1	3.20	82
662116	6	< 5	< 5	< 0.3	6.44	< 3	161	< 1	< 2	2.86	< 0.3	47	90	171	6.76	18	1.00	2.01	18	1050	< 1	2.21	110
662117	15	< 5	< 5	< 0.3	5.66	20	15	< 1	< 2	2.42	< 0.3	19	17	168	2.83	20	0.09	0.38	4	398	2	2.98	83
662118	44	33	36	1.1	6.25	5	11	< 1	< 2	7.22	0.6	41	16	1620	7.40	44	0.05	0.36	4	750	5	0.60	151
662119	13	20	19	0.4	6.12	16	20	< 1	< 2	3.36	< 0.3	44	11	315	4.48	26	0.12	0.54	5	516	< 1	2.43	167
662120	34	16	15	0.5	6.36	9	20	< 1	< 2	3.62	< 0.3	131	18	255	4.97	28	0.11	0.53	6	582	< 1	2.75	234
662121	< 2	< 5	< 5	< 0.3	5.63	< 3	26	< 1	< 2	2.82	< 0.3	5	21	197	2.42	21	0.18	0.18	3	299	2	2.73	51
662122	15	< 5	< 5	0.4	5.69	3	25	< 1	< 2	4.27	< 0.3	27	19	297	4.24	27	0.20	0.39	10	458	2	1.74	79
662123	< 2	6	7	< 0.3	4.26	< 3	74	2	< 2	6.47	< 0.3	72	1180	8	9.72	12	0.26	7.71	29	2170	< 1	0.68	232
662124	< 2	22	16	0.3	5.07	< 3	77	1	< 2	7.04	< 0.3	51	620	68	8.05	12	0.23	7.51	28	2100	< 1	1.18	103
662125	< 2	8	7	< 0.3	6.52	3	81	1	< 2	6.94	< 0.3	40	450	118	7.67	20	0.28	5.05	20	1700	< 1	1.49	121
662126	3	17	11	< 0.3	6.42	< 3	63	< 1	< 2	5.57	< 0.3	51	270	196	8.11	16	0.21	5.48	26	1770	< 1	1.83	87
662127	6	16	12	< 0.3	6.08	< 3	75	1	< 2	6.18	< 0.3	43	241	282	8.46	23	0.25	3.85	20	1500	< 1	1.18	76
662128	189	25	32	4.6	4.86	31	64	< 1	7	2.82	1.5	232	39	3170	10.8	15	0.59	1.39	11	767	< 1	1.76	330
662129	4	15	13	< 0.3	5.64	20	245	2	< 2	5.92	0.5	52	338	178	9.29	15	1.25	5.35	25	1830	< 1	1.42	115
662130	171	1310	658	3.2	6.57	< 3	139	< 1	< 2	3.80	0.8	164	236	6230	13.2	13	0.61	3.81	12	1120	2	1.67	8160
662131	16	14	11	0.6	5.07	5	73	1	< 2	3.82	0.5	39	285	895	7.94	18	0.33	3.28	20	1280	< 1	1.67	132
662132	3	14	10	0.3	6.81	< 3	100	1	< 2	3.80	< 0.3	49	588	68	8.62	16	0.39	5.48	47	1740	< 1	2.04	131
662133	3	8	6	< 0.3	6.34	< 3	96	2	< 2	3.75	< 0.3	37	312	163	7.11	17	0.39	3.44	24	1380	1	2.39	111
662134	49	19	< 5	1.4	5.68	9	50	1	< 2	2.54	0.6	28	36	1460	4.46	13	0.28	0.85	11	613	2	3.16	175
662135	225	211	102	8.5	2.27	10	24	< 1	15	1.53	3.0	63	178	9010	40.7	23	0.13	1.17	10	820	6	0.09	685
662136	27	35	24	1.4	5.75	4	41	< 1	< 2	2.17	< 0.3	16	27	1130	8.21	18	0.33	0.70	16	599	1	3.05	154
662137	44	8	7	0.9	5.35	6	24	< 1	< 2	1.90	< 0.3	9	16	758	4.18	17	0.15	0.40	5	435	< 1	3.21	30
662138	6	14	11	0.5	6.42	7	25	< 1	< 2	2.84	< 0.3	10	12	198	5.21	27	0.16	0.72	9	661	< 1	2.97	27
662139	5	< 5	< 5	< 0.3	5.66	< 3	24	< 1	< 2	1.56	< 0.3	6	23	151	3.53	17	0.11	0.44	6	451	3	3.36	16
662140	< 2	< 5	< 5	< 0.3	0.04	< 3	> 1000	< 1	< 2	21.7	< 0.3	< 1	4	4	0.06	< 1	0.01	12.0	7	370	< 1	0.03	< 1
662141	< 2	7	< 5	< 0.3	8.10	< 3	183	< 1	< 2	7.21	< 0.3	44	76	65	7.08	15	0.52	4.34	14	1200	< 1	1.60	98
662142	< 2	6	< 5	< 0.3	7.50	22	140	< 1	< 2	6.94	< 0.3	58	71	60	8.37	15	0.38	5.02	18	1350	< 1	1.40	143
662143	< 2	6	8	< 0.3	7.07	11	107	< 1	< 2	7.01	< 0.3	51	77	44	8.13	14	0.34	4.45	13	1330	< 1	1.77	105
662144	< 2	7	7	< 0.3	9.48	4	85	< 1	< 2	6.78	< 0.3	51	70	72	7.94	14	0.27	4.21	14	1230	< 1	1.94	112
662145	< 2	7	5	< 0.3	11.7	8	104	< 1	< 2	7.03	< 0.3	61	76	91	7.73	14	0.41	4.53	17	1180	< 1	1.53	184
662146	< 2	8	< 5	< 0.3	12.9	5	117	< 1	< 2	6.74	< 0.3	51	44	77	6.59	17	0.40	3.81	19	976	< 1	1.64	150
662147	< 2	14	< 5	< 0.3	11.0	27	162	< 1	< 2	6.42	< 0.3	46	87	22	6.67	14	0.63	4.07	26	1030	< 1	1.79	98
662148	< 2	24	< 5	< 0.3	7.71	< 3	42	< 1	< 2	6.08	< 0.3	88	56	48	10.0	14	0.15	5.90	28	1440	< 1	0.96	312
662149	< 2	33	6	< 0.3	7.98	4	16	< 1	< 2	5.88	< 0.3	77	52	12	9.36	12	0.05	6.35	30	1370	< 1	1.19	242
662150	134	1250	602	3.3	6.73	< 3	99	< 1	< 2	3.82	0.7	164	236	6470	13.3	13	0.61	3.88	12	1130	1	1.73	8150
662151	< 2	27	6	< 0.3	7.70	6	16	< 1	< 2	5.81	< 0.3	77	70	41	9.22	14	0.05	6.47	28	1410	< 1	1.48	229
662152	4	11	< 5	< 0.3	11.0	7	103	< 1	< 2	5.32	< 0.3	51	22	122	6.44	16	0.39	4.30	24	1020	< 1	2.65	139
662153	73	290	74	1.1	11.8	4	47	< 1	< 2	5.59	0.4	70	246	1420	7.43	13	0.17	4.85	28	1080	< 1	2.06	871

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662154	< 2	53	13	< 0.3	8.07	5	26	< 1	< 2	5.24	< 0.3	70	74	52	8.24	14	0.11	6.76	33	1330	< 1	1.54	238
662155	127	810	304	0.9	8.95	7	77	< 1	< 2	4.60	0.5	75	93	1250	7.77	15	0.38	6.37	38	1210	< 1	1.44	453
662156	13	111	48	< 0.3	6.86	4	47	< 1	< 2	4.74	< 0.3	66	302	247	7.84	11	0.21	7.49	33	1330	< 1	1.35	261
662157	4	21	< 5	< 0.3	9.49	< 3	81	< 1	< 2	3.63	< 0.3	56	103	123	6.60	16	0.30	5.93	41	1090	< 1	1.76	242
662158	70	438	216	1.0	7.05	4	65	< 1	< 2	3.89	0.5	63	237	1310	7.56	13	0.30	7.02	31	1350	< 1	1.59	481
662159	61	645	363	1.0	5.92	< 3	13	< 1	< 2	3.76	< 0.3	73	258	1170	8.83	11	0.06	8.67	31	1650	< 1	0.96	465
662160	< 2	< 5	< 5	< 0.3	0.08	< 3	800	< 1	< 2	22.1	< 0.3	< 1	11	4	0.09	< 1	0.01	12.1	6	382	< 1	0.03	2
662161	64	292	120	1.0	3.70	< 3	< 7	< 1	< 2	5.38	< 0.3	71	273	1420	8.34	8	0.02	9.52	21	1750	< 1	0.23	305
662162	42	164	63	0.8	4.10	5	< 7	< 1	< 2	4.68	< 0.3	63	73	950	8.76	9	0.02	9.18	27	1740	< 1	0.10	157
662163	20	18	11	< 0.3	5.39	< 3	15	< 1	< 2	3.53	< 0.3	66	60	531	9.97	13	0.07	9.32	38	1790	< 1	0.09	118
662164	12	54	43	0.3	6.61	8	< 7	< 1	< 2	1.90	< 0.3	78	69	292	10.4	14	0.03	8.68	44	1760	< 1	0.34	133
662165	6	< 5	< 5	< 0.3	8.43	< 3	165	< 1	< 2	2.88	< 0.3	62	67	250	8.96	15	0.28	7.28	45	1660	< 1	1.48	102
662166	4	< 5	< 5	< 0.3	8.91	7	156	< 1	3	2.82	< 0.3	52	96	169	9.15	14	0.28	7.06	48	1680	< 1	1.34	97
662167	2	< 5	< 5	< 0.3	7.98	< 3	103	< 1	< 2	1.94	< 0.3	61	64	43	12.3	19	0.42	7.94	66	1970	< 1	0.24	58
662168	6	< 5	< 5	0.4	5.61	< 3	95	< 1	< 2	2.68	< 0.3	66	50	215	11.3	16	0.51	7.43	47	1650	< 1	0.08	48
662169	3	< 5	< 5	< 0.3	6.66	4	263	< 1	< 2	2.87	< 0.3	75	37	71	13.5	19	1.37	8.07	54	1930	< 1	0.10	46
662170	3	< 5	< 5	< 0.3	6.53	< 3	232	< 1	< 2	2.93	< 0.3	77	34	75	13.5	19	1.19	8.12	54	1970	< 1	0.08	45
662171	4	< 5	< 5	0.3	6.75	8	129	< 1	< 2	2.28	< 0.3	74	65	156	13.8	19	0.63	7.97	61	1930	< 1	0.06	44
662172	4	< 5	< 5	0.3	6.12	< 3	< 7	< 1	< 2	3.06	< 0.3	90	42	174	12.5	19	0.03	8.45	39	1850	< 1	0.08	44
662173	4	< 5	< 5	0.5	6.33	5	91	< 1	< 2	3.19	< 0.3	97	62	194	14.0	19	0.51	8.26	38	1830	< 1	0.06	43
662174	< 2	< 5	< 5	< 0.3	4.88	< 3	< 7	< 1	< 2	3.78	< 0.3	60	73	117	11.9	14	0.03	8.36	31	1960	< 1	0.09	81
662175	7	24	8	0.4	5.28	12	15	< 1	< 2	3.85	< 0.3	78	109	268	12.7	14	0.09	8.48	38	2170	< 1	0.12	93
662176	5	11	< 5	< 0.3	6.35	4	140	< 1	< 2	3.28	< 0.3	79	47	139	12.9	15	0.71	7.52	47	2050	< 1	0.08	74
662177	3	< 5	< 5	< 0.3	5.87	5	16	< 1	< 2	5.46	< 0.3	65	49	212	8.19	11	0.13	6.79	63	1380	< 1	0.17	81
662178	35	215	89	0.9	6.21	6	55	< 1	< 2	3.45	< 0.3	73	141	1100	8.75	11	0.21	9.06	48	1550	< 1	0.61	285
662179	32	87	52	0.8	4.24	4	< 7	< 1	< 2	4.86	< 0.3	78	172	1060	9.15	8	0.03	9.93	34	1810	< 1	0.13	365
662180	< 2	< 5	< 5	< 0.3	0.08	< 3	462	< 1	< 2	14.9	< 0.3	< 1	5	2	0.15	< 1	0.02	11.1	9	369	< 1	0.04	2
662181	46	157	50	1.3	5.89	6	7	< 1	< 2	3.01	< 0.3	108	259	1630	10.4	9	0.06	9.01	45	1690	< 1	0.26	433
662182	31	71	27	1.1	6.27	7	54	< 1	< 2	2.37	< 0.3	198	359	1320	10.3	12	0.09	8.74	52	1480	< 1	0.37	350
662183	28	179	68	0.8	6.69	5	49	< 1	< 2	4.03	0.9	84	216	1500	8.24	11	0.27	8.38	49	1380	< 1	0.80	457
662184	69	115	41	0.6	8.33	8	97	< 1	< 2	4.37	0.6	69	165	1330	7.38	11	0.50	7.45	52	1200	< 1	1.23	471
662185	30	62	25	0.4	8.57	4	126	< 1	< 2	5.82	< 0.3	54	163	642	6.96	14	0.50	5.89	50	1070	< 1	1.37	333
662186	< 2	< 5	6	0.4	4.57	< 3	> 1000	< 1	< 2	8.86	< 0.3	60	576	64	7.69	8	1.55	8.41	51	1340	< 1	0.39	343
662187	< 2	13	< 5	< 0.3	8.22	3	169	< 1	< 2	6.67	< 0.3	50	227	87	5.97	13	0.62	6.38	47	976	< 1	1.27	193
662188	< 2	< 5	< 5	< 0.3	8.75	7	95	< 1	< 2	6.51	< 0.3	45	456	27	5.52	14	0.72	6.29	49	1010	< 1	1.32	171
662189	6	16	37	< 0.3	7.18	3	83	< 1	< 2	5.50	< 0.3	54	869	23	6.71	11	0.54	7.98	46	1280	< 1	1.08	177
662190	2	114	64	< 0.3	9.09	4	119	< 1	< 2	6.09	< 0.3	40	497	19	4.94	15	0.76	5.41	37	924	< 1	1.58	165
662191	< 2	10	< 5	< 0.3	9.03	6	101	< 1	< 2	4.86	< 0.3	40	364	41	5.20	13	0.81	5.24	44	937	< 1	1.89	140
662192	33	378	179	< 0.3	8.62	< 3	72	< 1	< 2	4.78	< 0.3	48	295	399	6.00	12	0.66	6.45	49	1090	< 1	1.99	245
662193	19	351	197	< 0.3	9.10	5	91	< 1	< 2	4.96	< 0.3	45	257	362	5.24	13	0.75	5.55	56	922	< 1	2.03	226
662194	20	223	159	< 0.3	9.43	< 3	100	< 1	< 2	5.98	< 0.3	52	268	523	5.84	12	0.66	6.17	35	1030	< 1	1.37	252
662195	29	323	266	< 0.3	9.18	3	99	< 1	< 2	5.88	< 0.3	50	254	293	5.67	14	0.65	6.01	34	1010	< 1	1.33	234
662196	27	118	51	< 0.3	9.87	3	96	< 1	< 2	5.63	< 0.3	49	402	589	5.71	13	0.71	5.44	34	984	< 1	1.53	336
662197	14	281	133	< 0.3	7.51	4	33	< 1	< 2	4.73	< 0.3	48	382	183	7.39	15	0.39	5.94	40	1120	< 1	1.64	143
662198	38	332	164	< 0.3	8.47	4	80	< 1	< 2	5.13	< 0.3	51	325	622	6.80	14	0.46	5.83	28	1120	< 1	1.71	223
662199	29	239	83	< 0.3	9.10	< 3	85	< 1	< 2	4.63	< 0.3	48	286	207	6.40	13	0.61	6.17	40	1110	< 1	1.70	219
662200	142	1210	573	3.3	6.76	6	118	< 1	< 2	3.80	0.7	167	226	6530	13.4	13	0.61	3.89	13	1120	2	1.74	8250
662201	104	139	75	0.5	9.36	4	72	< 1	< 2	5.13	< 0.3	48	144	1490	5.93	14	0.53	5.04	30	963	< 1	2.09	304
662202	63	275	112	0.4	11.3	6	95	< 1	< 2	5.78	0.3	46	160	931	5.71	15	0.55	4.55	28	886	< 1	1.85	372
662203	3	32	17	< 0.3	10.8	9	71	< 1	< 2	6.13	< 0.3	42	166	117	5.43	15	0.31	5.14	25	920	< 1	1.61	270
662204	30	428	242	< 0.3	9.35	11	78	< 1	< 2	4.95	< 0.3	51	243	679	6.25	15	0.39	5.80	31	1050	< 1	1.73	354

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662205	87	3020	695	6.0	7.33	3	57	< 1	3	3.93	3.2	112	215	9240	8.87	12	0.27	5.96	26	1090	< 1	1.64	2040
662206	56	227	134	1.0	7.60	5	54	< 1	< 2	3.74	< 0.3	67	158	1660	8.31	13	0.21	6.86	38	1190	< 1	1.48	565
662207	44	92	33	0.5	6.91	17	9	< 1	< 2	3.95	< 0.3	77	243	1030	9.39	13	0.04	7.52	32	1310	< 1	1.00	491
662208	53	150	49	1.1	6.85	< 3	8	< 1	< 2	4.73	1.2	73	183	1210	9.89	14	0.04	6.79	26	1260	< 1	1.09	600
662209	7	< 5	< 5	< 0.3	7.97	5	8	< 1	< 2	5.12	< 0.3	68	38	224	11.2	18	0.05	6.60	33	1320	< 1	0.63	74
662210	< 2	< 5	< 5	< 0.3	0.07	< 3	> 1000	< 1	< 2	21.8	< 0.3	< 1	2	4	0.12	< 1	< 0.01	12.3	6	393	< 1	0.02	4
662211	4	< 5	< 5	< 0.3	8.06	4	26	< 1	< 2	5.16	< 0.3	62	30	130	10.6	18	0.08	5.13	26	1200	< 1	1.15	51
662212	12	< 5	< 5	< 0.3	6.97	< 3	71	< 1	< 2	5.62	0.5	57	26	278	9.50	16	0.18	4.40	28	1230	< 1	0.91	54
662213	4	< 5	< 5	< 0.3	7.48	< 3	64	< 1	< 2	4.67	< 0.3	66	31	138	11.2	19	0.23	5.05	30	1810	< 1	1.18	55
662214	7	9	37	0.3	6.43	6	141	< 1	< 2	4.98	< 0.3	56	69	146	10.1	16	0.45	4.73	23	1710	1	1.22	81
662215	< 2	13	16	< 0.3	7.48	5	74	< 1	< 2	4.87	< 0.3	49	47	45	8.59	20	0.23	3.19	19	1450	2	1.88	46
662216	4	13	18	< 0.3	5.85	4	109	< 1	< 2	5.10	< 0.3	55	50	85	9.37	18	0.38	3.54	20	1640	< 1	1.57	56
662217	7	6	16	< 0.3	6.98	4	139	< 1	< 2	4.80	< 0.3	72	57	164	9.03	18	0.48	3.29	22	1570	< 1	1.62	78
662218	18	8	9	0.6	4.81	7	118	< 1	< 2	3.42	< 0.3	206	144	590	20.3	16	0.50	4.09	22	1890	2	0.87	1070
662219	30	9	7	0.7	5.14	< 3	132	< 1	< 2	3.99	< 0.3	214	107	699	17.4	16	0.55	4.25	23	2000	< 1	0.92	1080
662220	< 2	< 5	< 5	< 0.3	6.21	7	37	< 1	< 2	3.23	< 0.3	70	23	39	7.93	19	0.11	2.15	17	1320	< 1	2.24	112
662221	5	12	12	< 0.3	4.68	4	33	< 1	< 2	3.31	< 0.3	28	16	66	5.55	20	0.08	0.66	8	743	< 1	1.59	66
662222	7	< 5	7	0.4	6.54	< 3	115	< 1	< 2	2.90	< 0.3	56	25	112	8.77	21	0.37	1.46	16	1070	< 1	2.23	97
662223	4	< 5	< 5	< 0.3	7.76	4	113	< 1	< 2	4.63	< 0.3	31	77	79	6.63	18	0.31	2.82	18	1270	< 1	3.24	72
662224	53	264	54	1.1	9.11	7	168	< 1	< 2	5.10	< 0.3	54	105	2300	9.61	19	0.54	2.95	19	1300	< 1	2.42	377
662225	3	< 5	< 5	< 0.3	10.3	4	113	< 1	< 2	4.93	< 0.3	30	114	43	6.60	18	0.34	3.09	17	1280	< 1	2.88	83

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662001	0.040	< 3	< 5	0.06	31	267	6	0.35	< 5	< 10	197	< 5	15	66	53
662002	0.024	< 3	< 5	0.02	30	277	< 2	0.28	< 5	< 10	169	< 5	11	80	40
662003	0.015	< 3	< 5	< 0.01	21	244	< 2	0.15	< 5	< 10	101	< 5	7	69	22
662004	0.015	< 3	< 5	0.01	26	292	< 2	0.17	< 5	< 10	127	< 5	7	70	21
662005	0.019	3	< 5	< 0.01	19	203	2	0.23	< 5	< 10	132	< 5	8	74	27
662006	0.009	12	< 5	0.10	16	154	< 2	0.13	< 5	< 10	90	< 5	4	109	12
662007	0.013	6	< 5	0.02	21	202	< 2	0.16	< 5	< 10	107	< 5	6	87	19
662008	0.008	< 3	< 5	0.16	17	186	< 2	0.11	< 5	< 10	81	< 5	3	115	11
662009	0.013	3	< 5	0.12	17	300	< 2	0.15	< 5	< 10	77	< 5	6	90	20
662010	0.057	40	< 5	3.08	11	260	5	0.32	< 5	< 10	81	< 5	10	109	58
662011	0.053	< 3	6	0.06	37	180	2	0.42	< 5	< 10	235	< 5	30	79	66
662012	0.056	< 3	< 5	0.08	38	232	5	0.39	< 5	< 10	196	< 5	31	67	65
662013	0.061	< 3	< 5	0.13	38	274	6	0.63	< 5	< 10	281	< 5	33	77	81
662014	0.056	< 3	< 5	0.05	37	235	3	0.52	< 5	< 10	251	< 5	32	141	64
662015	0.045	< 3	< 5	0.05	32	249	4	0.46	< 5	< 10	206	< 5	25	68	42
662016	0.016	< 3	< 5	< 0.01	15	252	< 2	0.15	10	< 10	99	7	7	91	17
662017	0.017	< 3	< 5	0.01	23	137	< 2	0.17	< 5	< 10	121	< 5	8	85	24
662018	0.011	< 3	< 5	0.02	23	25	< 2	0.12	< 5	< 10	107	< 5	5	130	19
662019	0.008	< 3	< 5	0.04	15	29	4	0.13	< 5	10	70	< 5	23	91	133
662020	0.005	< 3	< 5	0.03	< 4	122	< 2	< 0.01	< 5	< 10	4	< 5	< 1	17	< 5
662021	0.004	18	< 5	0.15	17	108	< 2	0.09	< 5	< 10	79	< 5	5	165	9
662022	0.009	45	< 5	0.29	16	110	< 2	0.11	< 5	< 10	83	< 5	6	387	19
662023	0.011	< 3	< 5	0.07	14	256	< 2	0.12	< 5	< 10	79	< 5	5	77	16
662024	0.012	29	< 5	0.40	13	210	< 2	0.11	< 5	< 10	68	< 5	5	105	15
662025	0.014	< 3	< 5	0.13	15	154	2	0.19	< 5	< 10	98	< 5	12	57	47
662026	0.018	5	< 5	0.20	11	139	2	0.10	< 5	< 10	61	5	13	52	61
662027	0.009	< 3	< 5	0.06	25	65	< 2	0.13	< 5	< 10	111	< 5	12	87	54
662028	0.011	< 3	< 5	0.14	19	83	< 2	0.12	< 5	< 10	90	< 5	14	78	82
662029	0.004	< 3	< 5	0.06	27	70	2	0.10	< 5	< 10	117	< 5	3	91	7
662030	0.006	< 3	< 5	0.23	26	82	< 2	0.11	< 5	< 10	120	< 5	4	84	11
662031	0.008	10	< 5	0.28	16	227	< 2	0.11	< 5	< 10	83	< 5	3	76	11
662032	0.007	< 3	< 5	0.14	6	287	< 2	0.08	< 5	< 10	62	< 5	3	106	7
662033	0.004	< 3	< 5	0.07	8	198	< 2	0.06	< 5	< 10	54	< 5	2	50	6
662034	0.004	< 3	< 5	< 0.01	18	123	< 2	0.07	< 5	< 10	68	< 5	3	52	6
662035	0.003	< 3	< 5	0.01	20	108	< 2	0.07	< 5	< 10	81	< 5	2	53	< 5
662036	0.004	5	< 5	0.07	17	212	< 2	0.08	< 5	< 10	71	< 5	2	59	6
662037	0.004	< 3	< 5	0.01	15	190	4	0.07	< 5	< 10	62	< 5	2	59	< 5
662038	0.011	< 3	< 5	0.02	15	162	< 2	0.11	< 5	< 10	67	< 5	9	51	30
662039	0.004	< 3	< 5	< 0.01	28	149	< 2	0.09	< 5	< 10	105	< 5	4	64	6
662040	0.060	37	< 5	3.40	12	288	4	0.28	< 5	< 10	76	< 5	11	119	61
662041	0.003	< 3	< 5	0.01	21	238	5	0.08	< 5	< 10	89	< 5	3	60	< 5
662042	0.003	< 3	< 5	0.01	30	324	< 2	0.08	< 5	< 10	102	< 5	3	33	< 5
662043	0.004	3	< 5	0.03	13	220	3	0.08	< 5	< 10	59	< 5	4	47	18
662044	0.007	4	< 5	0.04	26	234	< 2	0.12	< 5	< 10	106	< 5	5	182	11
662045	0.006	10	< 5	0.10	33	111	2	0.13	< 5	< 10	115	< 5	5	105	7
662046	0.005	50	< 5	0.18	14	223	< 2	0.09	< 5	< 10	63	< 5	3	2250	5
662047	0.004	< 3	< 5	< 0.01	20	86	< 2	0.15	< 5	< 10	114	< 5	4	87	< 5
662048	0.005	< 3	< 5	0.03	18	147	< 2	0.20	< 5	< 10	143	< 5	3	71	< 5
662049	0.004	< 3	< 5	< 0.01	18	76	< 2	0.18	< 5	< 10	129	< 5	3	87	< 5
662050	0.003	< 3	< 5	0.02	< 4	224	< 2	< 0.01	< 5	< 10	4	< 5	1	15	< 5
662051	0.026	< 3	< 5	0.20	10	673	< 2	0.43	< 5	< 10	246	< 5	3	78	< 5

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662052	0.017	< 3	< 5	0.03	11	397	< 2	0.25	< 5	< 10	159	< 5	3	84	< 5
662053	0.005	< 3	< 5	< 0.01	21	123	< 2	0.20	< 5	< 10	144	< 5	4	88	< 5
662054	0.004	< 3	< 5	< 0.01	18	71	5	0.15	< 5	< 10	112	< 5	3	86	< 5
662055	0.028	5	< 5	0.14	26	402	< 2	0.38	< 5	< 10	198	< 5	12	116	28
662056	0.011	9	< 5	0.77	19	576	11	0.20	< 5	< 10	108	< 5	12	212	76
662057	0.019	9	< 5	0.53	25	490	< 2	0.32	< 5	< 10	153	< 5	15	94	95
662058	0.025	15	< 5	0.37	23	614	< 2	0.31	< 5	< 10	132	< 5	13	90	61
662059	0.023	8	< 5	1.14	27	486	< 2	0.31	< 5	< 10	165	< 5	21	112	56
662060	0.022	9	< 5	0.27	24	588	3	0.21	< 5	< 10	123	< 5	18	104	32
662061	0.022	3	< 5	0.02	33	215	< 2	0.20	< 5	< 10	173	< 5	12	70	35
662062	0.022	< 3	< 5	0.03	35	204	6	0.27	< 5	< 10	199	< 5	12	74	34
662063	0.021	< 3	< 5	0.03	38	196	< 2	0.31	< 5	< 10	225	< 5	12	74	31
662064	0.021	< 3	< 5	0.02	33	173	< 2	0.29	< 5	< 10	206	< 5	13	70	38
662065	0.057	< 3	< 5	0.07	32	164	6	0.29	< 5	< 10	213	< 5	16	65	38
662066	0.035	< 3	< 5	0.04	33	151	8	0.41	< 5	< 10	227	< 5	18	67	59
662067	0.025	< 3	< 5	0.03	36	158	< 2	0.20	< 5	< 10	193	< 5	15	75	47
662068	0.018	< 3	< 5	0.03	34	109	< 2	0.19	< 5	< 10	161	< 5	11	89	28
662069	0.028	< 3	< 5	0.05	33	109	< 2	0.32	< 5	< 10	201	< 5	12	83	47
662070	0.061	44	< 5	3.27	12	272	4	0.41	< 5	< 10	90	< 5	11	114	64
662071	0.025	< 3	10	0.07	35	87	< 2	0.31	< 5	< 10	197	< 5	10	91	36
662072	0.029	< 3	< 5	0.04	31	229	5	0.39	< 5	< 10	193	< 5	13	47	41
662073	0.017	< 3	< 5	0.02	21	180	< 2	0.18	< 5	< 10	146	< 5	10	81	31
662074	0.012	9	< 5	0.38	24	77	< 2	0.15	< 5	< 10	108	< 5	4	127	16
662075	0.006	< 3	< 5	0.15	22	46	< 2	0.10	< 5	< 10	95	< 5	4	156	10
662076	0.042	4	< 5	0.11	41	68	< 2	0.26	< 5	< 10	210	< 5	20	181	61
662077	0.069	78	< 5	0.27	40	103	5	0.65	< 5	< 10	324	< 5	28	255	99
662078	0.067	6	< 5	0.22	37	112	7	0.66	< 5	< 10	310	< 5	26	94	86
662079	0.015	3	< 5	0.20	31	51	< 2	0.21	< 5	< 10	148	< 5	6	129	24
662080	0.004	< 3	< 5	0.01	< 4	101	< 2	< 0.01	< 5	< 10	4	< 5	< 1	11	< 5
662081	0.007	5	< 5	0.17	30	89	< 2	0.13	< 5	< 10	118	< 5	4	105	12
662082	0.005	7	< 5	0.20	26	109	< 2	0.10	< 5	< 10	101	< 5	3	157	9
662083	0.005	5	< 5	0.31	20	105	< 2	0.08	< 5	< 10	83	< 5	4	123	8
662084	0.005	13	5	0.23	13	303	< 2	0.07	< 5	< 10	55	< 5	2	70	6
662085	0.004	15	< 5	0.20	6	321	< 2	0.04	< 5	< 10	21	< 5	1	53	< 5
662086	0.006	8	< 5	0.53	12	262	< 2	0.06	< 5	< 10	47	< 5	2	107	8
662087	0.003	< 3	< 5	0.19	18	163	< 2	0.06	< 5	< 10	58	< 5	2	128	< 5
662088	0.002	8	< 5	0.17	18	140	< 2	0.06	< 5	< 10	59	< 5	1	122	< 5
662089	0.004	6	< 5	0.12	12	242	2	0.07	< 5	< 10	45	< 5	2	84	6
662090	0.003	5	< 5	0.15	15	246	< 2	0.07	< 5	< 10	44	< 5	2	85	6
662091	0.004	< 3	< 5	0.07	10	283	< 2	0.06	< 5	< 10	35	< 5	1	81	< 5
662092	0.004	10	< 5	0.39	7	241	< 2	0.24	< 5	< 10	139	< 5	< 1	118	< 5
662093	0.004	< 3	< 5	0.20	< 4	240	< 2	0.09	< 5	< 10	38	< 5	1	54	< 5
662094	0.008	8	< 5	0.19	5	241	5	0.13	< 5	< 10	43	< 5	< 1	64	< 5
662095	0.003	9	< 5	0.50	6	230	< 2	0.05	< 5	< 10	24	< 5	1	57	< 5
662096	0.002	5	< 5	0.25	43	176	3	0.26	< 5	< 10	194	< 5	5	120	< 5
662097	0.003	3	< 5	0.51	46	185	4	0.41	< 5	< 10	292	< 5	7	114	5
662098	0.002	23	< 5	0.34	47	182	< 2	0.32	< 5	< 10	262	< 5	5	136	< 5
662099	0.007	6	< 5	0.25	35	89	< 2	0.23	< 5	< 10	182	< 5	9	146	13
662100	0.062	38	< 5	3.32	11	282	5	0.46	< 5	< 10	97	< 5	11	114	64
662101	0.011	3	< 5	0.47	33	57	< 2	0.20	< 5	< 10	138	< 5	7	133	22
662102	0.007	4	< 5	0.26	28	71	< 2	0.14	< 5	< 10	109	< 5	5	120	15

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662103	0.008	< 3	< 5	0.35	26	46	< 2	0.14	< 5	< 10	104	< 5	5	137	15
662104	0.013	4	< 5	0.24	27	107	< 2	0.20	< 5	< 10	124	< 5	7	115	24
662105	0.013	8	< 5	0.18	22	229	< 2	0.17	< 5	< 10	104	< 5	7	88	23
662106	0.014	4	< 5	0.04	24	101	2	0.17	< 5	< 10	99	< 5	11	113	35
662107	0.008	5	< 5	0.16	27	62	< 2	0.14	< 5	< 10	99	< 5	8	149	21
662108	0.007	6	< 5	0.07	27	59	< 2	0.13	< 5	< 10	94	< 5	9	145	24
662109	0.009	10	< 5	0.07	30	8	6	0.17	< 5	< 10	106	< 5	8	174	25
662110	0.004	< 3	< 5	0.03	< 4	114	< 2	< 0.01	< 5	< 10	3	< 5	< 1	10	< 5
662111	0.012	24	< 5	0.16	28	62	5	0.20	< 5	< 10	103	< 5	8	215	23
662112	0.004	8	< 5	0.04	42	148	< 2	0.35	< 5	< 10	225	< 5	10	112	8
662113	0.003	11	< 5	0.05	41	174	< 2	0.43	< 5	< 10	261	< 5	11	102	7
662114	0.007	9	< 5	0.12	29	204	< 2	0.34	< 5	< 10	192	< 5	5	106	5
662115	0.008	< 3	< 5	0.02	19	169	4	0.25	< 5	< 10	134	< 5	1	79	< 5
662116	0.005	5	< 5	0.11	21	163	< 2	0.21	< 5	< 10	94	< 5	32	123	23
662117	0.005	7	< 5	0.12	4	211	2	0.23	< 5	< 10	10	< 5	40	38	62
662118	0.009	11	< 5	0.40	4	854	4	0.10	< 5	< 10	36	< 5	58	56	50
662119	0.007	7	< 5	0.39	5	369	< 2	0.21	< 5	< 10	26	< 5	47	45	53
662120	0.006	9	< 5	0.82	4	392	< 2	0.21	< 5	< 10	25	< 5	40	43	43
662121	0.007	< 3	< 5	0.03	< 4	351	< 2	0.19	< 5	< 10	10	< 5	49	18	76
662122	0.007	7	< 5	0.18	4	432	4	0.20	< 5	< 10	11	< 5	46	28	48
662123	0.140	4	< 5	0.01	42	70	< 2	0.25	< 5	< 10	180	< 5	16	221	26
662124	0.209	5	< 5	0.02	44	150	5	0.34	< 5	< 10	225	< 5	17	210	21
662125	0.178	11	< 5	0.03	30	360	9	0.33	< 5	< 10	184	< 5	23	156	33
662126	0.190	5	< 5	0.03	34	218	4	0.34	< 5	< 10	179	< 5	22	178	25
662127	0.136	9	< 5	0.07	27	418	4	0.31	< 5	< 10	128	< 5	36	143	41
662128	0.022	24	< 5	6.04	9	161	6	0.19	< 5	< 10	46	< 5	47	131	83
662129	0.224	8	6	0.03	34	143	< 2	0.31	< 5	< 10	208	< 5	36	201	31
662130	0.062	42	< 5	3.26	11	275	2	0.47	< 5	< 10	96	< 5	11	114	59
662131	0.096	7	< 5	0.16	21	159	< 2	0.24	< 5	< 10	97	< 5	51	157	74
662132	0.202	< 3	< 5	0.02	26	88	< 2	0.32	< 5	< 10	158	< 5	58	222	118
662133	0.166	4	< 5	0.05	23	116	< 2	0.31	< 5	< 10	110	< 5	97	170	127
662134	0.033	6	< 5	0.37	9	97	< 2	0.26	< 5	< 10	41	< 5	140	117	267
662135	0.015	27	8	1.29	< 4	130	17	0.12	< 5	< 10	83	8	60	341	90
662136	0.009	6	< 5	0.21	5	99	< 2	0.25	< 5	< 10	35	< 5	55	93	118
662137	0.005	6	< 5	0.13	5	116	< 2	0.11	< 5	< 10	2	< 5	46	45	25
662138	0.005	4	< 5	0.15	5	270	6	0.27	< 5	< 10	7	< 5	46	64	96
662139	0.004	4	< 5	0.07	5	115	6	0.26	< 5	< 10	4	< 5	30	48	92
662140	0.004	5	< 5	0.09	< 4	129	< 2	< 0.01	< 5	< 10	3	< 5	< 1	12	< 5
662141	0.025	< 3	< 5	0.01	35	224	< 2	0.23	< 5	< 10	163	< 5	12	65	36
662142	0.024	< 3	< 5	0.02	34	185	9	0.29	< 5	< 10	183	< 5	12	77	38
662143	0.027	< 3	< 5	0.01	33	194	5	0.30	< 5	< 10	196	< 5	12	72	42
662144	0.032	< 3	< 5	0.02	41	202	7	0.33	< 5	< 10	192	< 5	14	70	49
662145	0.019	< 3	< 5	0.03	41	225	3	0.22	< 5	< 10	144	< 5	10	74	32
662146	0.022	< 3	< 5	0.03	28	263	< 2	0.22	< 5	< 10	121	< 5	9	66	35
662147	0.018	< 3	< 5	0.01	31	254	5	0.18	< 5	< 10	125	< 5	9	71	28
662148	0.013	22	< 5	0.04	21	147	< 2	0.15	< 5	< 10	109	< 5	6	169	18
662149	0.009	< 3	< 5	< 0.01	19	110	< 2	0.11	< 5	< 10	90	< 5	5	99	15
662150	0.062	45	< 5	3.36	12	283	3	0.39	< 5	< 10	88	< 5	11	112	60
662151	0.013	< 3	< 5	0.01	27	105	< 2	0.16	< 5	< 10	126	< 5	6	100	19
662152	0.025	< 3	< 5	0.03	21	224	< 2	0.25	< 5	< 10	114	< 5	10	74	39
662153	0.010	< 3	< 5	0.32	18	192	< 2	0.11	< 5	< 10	71	< 5	4	103	16

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662154	0.019	< 3	< 5	0.01	19	118	< 2	0.17	< 5	< 10	107	< 5	7	113	27
662155	0.009	< 3	< 5	0.18	16	155	< 2	0.11	< 5	< 10	73	< 5	4	130	12
662156	0.009	< 3	< 5	0.03	25	92	4	0.13	< 5	< 10	109	< 5	5	124	16
662157	0.008	< 3	< 5	0.02	15	139	< 2	0.10	< 5	< 10	88	< 5	9	119	41
662158	0.014	< 3	< 5	0.18	27	91	< 2	0.16	< 5	< 10	119	< 5	8	165	28
662159	0.008	< 3	< 5	0.16	28	31	< 2	0.13	< 5	< 10	117	< 5	5	195	16
662160	0.007	< 3	< 5	0.03	< 4	117	< 2	< 0.01	< 5	< 10	3	< 5	< 1	11	< 5
662161	0.005	< 3	< 5	0.20	39	7	< 2	0.12	< 5	< 10	142	< 5	4	198	10
662162	0.006	< 3	< 5	0.13	41	5	< 2	0.14	< 5	< 10	200	< 5	3	204	12
662163	0.004	< 3	< 5	0.16	56	5	< 2	0.15	< 5	< 10	315	< 5	3	232	9
662164	0.003	< 3	< 5	0.43	32	11	< 2	0.09	< 5	< 10	156	< 5	2	261	7
662165	0.004	< 3	< 5	0.27	36	188	3	0.10	< 5	< 10	136	< 5	2	236	7
662166	0.004	< 3	< 5	0.16	29	218	< 2	0.08	< 5	< 10	103	< 5	2	240	6
662167	0.003	< 3	< 5	0.44	30	74	4	0.60	< 5	< 10	427	< 5	1	302	< 5
662168	0.002	< 3	< 5	0.47	54	12	3	0.33	< 5	< 10	477	< 5	< 1	259	6
662169	0.003	< 3	< 5	0.67	46	11	3	0.74	< 5	< 10	468	< 5	< 1	292	< 5
662170	0.003	< 3	< 5	0.67	45	11	6	0.86	< 5	< 10	502	< 5	< 1	290	< 5
662171	0.003	< 3	< 5	0.73	46	7	11	0.73	< 5	< 10	555	< 5	< 1	288	6
662172	0.002	< 3	< 5	0.67	60	4	11	0.84	< 5	< 10	560	< 5	3	271	6
662173	0.003	< 3	< 5	1.08	56	5	14	0.93	< 5	< 10	594	< 5	3	277	6
662174	0.005	< 3	< 5	0.26	45	5	< 2	0.34	< 5	< 10	374	< 5	3	265	11
662175	0.004	< 3	< 5	0.37	50	7	3	0.32	< 5	< 10	372	< 5	3	319	9
662176	0.003	< 3	< 5	0.59	43	36	4	0.63	< 5	< 10	431	< 5	2	310	6
662177	0.005	< 3	< 5	0.16	29	49	< 2	0.19	< 5	< 10	154	< 5	2	159	8
662178	0.009	< 3	< 5	0.16	30	63	< 2	0.19	< 5	< 10	146	< 5	4	220	13
662179	0.004	< 3	< 5	0.15	30	8	< 2	0.13	< 5	< 10	138	< 5	3	245	9
662180	0.003	< 3	< 5	0.02	< 4	100	< 2	< 0.01	< 5	< 10	5	< 5	< 1	10	< 5
662181	0.007	< 3	< 5	0.36	25	15	< 2	0.11	< 5	< 10	121	< 5	3	272	9
662182	0.032	< 3	< 5	1.25	22	67	< 2	0.13	< 5	< 10	94	< 5	4	208	27
662183	0.005	< 3	< 5	0.24	23	86	< 2	0.10	< 5	< 10	97	< 5	3	187	9
662184	0.007	< 3	< 5	0.19	18	140	< 2	0.10	< 5	< 10	77	< 5	3	136	11
662185	0.036	< 3	< 5	0.12	20	273	4	0.36	< 5	< 10	177	< 5	11	85	44
662186	0.200	< 3	< 5	0.15	25	920	9	0.43	< 5	< 10	154	< 5	12	57	150
662187	0.039	< 3	< 5	0.02	20	247	3	0.19	< 5	< 10	97	< 5	9	60	49
662188	0.006	< 3	< 5	< 0.01	23	176	< 2	0.10	< 5	< 10	98	< 5	4	60	10
662189	0.007	< 3	< 5	< 0.01	27	125	< 2	0.12	< 5	< 10	110	< 5	4	73	12
662190	0.006	< 3	< 5	< 0.01	14	230	3	0.09	< 5	< 10	73	< 5	2	64	9
662191	0.007	< 3	< 5	0.01	17	207	< 2	0.11	< 5	< 10	77	< 5	4	67	11
662192	0.009	< 3	< 5	0.06	22	160	< 2	0.13	< 5	< 10	98	< 5	6	85	19
662193	0.005	< 3	< 5	0.06	19	178	4	0.09	< 5	< 10	83	< 5	5	74	10
662194	0.011	< 3	< 5	0.07	21	197	< 2	0.14	< 5	< 10	98	< 5	4	71	16
662195	0.011	< 3	< 5	0.05	19	190	< 2	0.12	< 5	< 10	89	< 5	4	73	17
662196	0.004	< 3	< 5	0.08	16	234	8	0.07	< 5	< 10	64	< 5	2	75	6
662197	0.046	< 3	< 5	0.04	25	141	< 2	0.30	< 5	< 10	127	< 5	17	71	68
662198	0.011	< 3	< 5	0.08	24	177	4	0.14	< 5	< 10	113	< 5	5	82	17
662199	0.006	< 3	< 5	0.03	20	176	< 2	0.10	< 5	< 10	84	< 5	4	77	10
662200	0.060	43	< 5	3.38	12	284	3	0.44	< 5	< 10	94	< 5	11	107	62
662201	0.032	< 3	< 5	0.21	23	198	8	0.27	< 5	< 10	128	< 5	11	68	48
662202	0.006	< 3	< 5	0.14	15	275	< 2	0.08	< 5	< 10	64	7	2	79	9
662203	0.005	< 3	< 5	0.02	20	226	3	0.09	< 5	< 10	72	< 5	3	74	8
662204	0.006	< 3	< 5	0.08	19	197	7	0.10	< 5	< 10	74	< 5	3	101	11

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662205	0.010	6	< 5	1.67	19	127	< 2	0.11	< 5	< 10	87	< 5	4	240	13
662206	0.019	< 3	< 5	0.22	20	105	< 2	0.14	< 5	< 10	93	< 5	6	125	25
662207	0.009	< 3	< 5	0.14	22	72	< 2	0.10	< 5	< 10	105	< 5	3	131	7
662208	0.006	5	< 5	0.37	25	105	< 2	0.22	< 5	< 10	161	< 5	3	153	10
662209	0.001	< 3	< 5	0.08	29	119	< 2	0.44	< 5	< 10	370	< 5	< 1	133	< 5
662210	0.003	< 3	< 5	0.05	< 4	131	< 2	< 0.01	< 5	< 10	4	< 5	< 1	11	< 5
662211	0.002	6	< 5	0.21	29	172	2	0.72	< 5	< 10	424	< 5	< 1	117	< 5
662212	0.002	9	< 5	0.16	23	129	4	0.46	< 5	< 10	261	< 5	< 1	129	< 5
662213	0.010	5	< 5	0.05	31	136	3	0.57	< 5	< 10	361	< 5	9	173	25
662214	0.027	4	< 5	0.03	29	126	< 2	0.39	< 5	< 10	228	< 5	23	157	73
662215	0.038	6	< 5	< 0.01	25	218	3	0.40	< 5	< 10	228	< 5	32	126	92
662216	0.038	6	< 5	0.02	27	160	3	0.39	< 5	< 10	218	< 5	30	142	83
662217	0.031	7	< 5	0.02	26	173	< 2	0.27	< 5	< 10	189	< 5	28	144	91
662218	0.020	9	< 5	0.27	25	57	8	0.32	< 5	< 10	204	6	18	189	56
662219	0.022	9	< 5	0.29	28	77	< 2	0.33	< 5	< 10	200	< 5	20	198	60
662220	0.016	4	< 5	0.01	17	125	< 2	0.19	< 5	< 10	78	< 5	29	129	70
662221	0.006	4	< 5	0.01	8	297	6	0.19	< 5	< 10	34	< 5	33	53	35
662222	0.035	6	< 5	0.02	17	169	3	0.30	< 5	< 10	160	< 5	37	119	126
662223	0.052	5	< 5	0.01	16	217	< 2	0.34	< 5	< 10	156	< 5	7	109	10
662224	0.054	7	< 5	0.45	19	216	< 2	0.35	< 5	< 10	154	< 5	9	110	13
662225	0.054	< 3	< 5	0.02	23	208	< 2	0.37	< 5	< 10	162	< 5	9	106	13

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						4						147	150	318	9.25								6240
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						20						149	174	322	9.44								6440
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												46		414	10.2		1.80	1.23		928	18		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												49		437	10.6		2.78	1.29		996	18		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				41.6					89			119		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 98 (4 Acid) Meas				42.8					83			130		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				0.9		53						72	9230	2420							9		2120
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		49						73	9590	2380							8		2140
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
PK2 Meas	4940	6100	4860																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4760	5860	4840																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4650	5700	4690																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4760	5840	4640																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4920	6140	5000																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	5150	6190	5040																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4780	5950	4860																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4930	6100	4930																				
PK2 Cert	4785	5918	4749																				
OREAS 904 (4 Acid) Meas				0.5	6.73	102	196	8	2	0.05		96	55	6210	7.00	17	2.85	0.59	16	438	2	0.03	48
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.9	6.71	104	209	8	< 2	0.05		96	58	6090	6.92	18	3.41	0.59	16	451	2	0.03	47
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 45d (4-Acid) Meas					8.28	< 3	188	< 1	< 2	0.19		31	496	376	14.4	21	0.42	0.25	22	510	< 1	0.10	238
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.14	15	185	< 1	< 2	0.19		31	514	368	14.3	21	0.42	0.24	22	509	1	0.09	240
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 96 (4 Acid) Meas				11.7					18			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.5					23			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				2.0	7.69	20	434	2	17	0.50	0.3	24	76	4380	6.82	20	2.66	1.80	32	1050	1	0.33	41
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				1.8	7.64	14	443	2	16	0.49	0.3	24	89	4600	6.75	20	2.65	1.76	31	1000	< 1	0.32	42
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				73.1	5.35	80		1	5	2.04	288	32	29	3730	3.87	26	2.32	0.52	15	534	14	1.34	33
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				68.8	5.64	77		1	7	2.00	279	31	32	3510	3.72	25	1.85	0.50	14	531	13	1.27	28
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1730	1640	237																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1710	221																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1650	239																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1660	228																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1960	1570	195																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1870	1630	226																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1750	220																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1860	1570	207																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
OREAS 681 (4 Acid) Meas				< 0.3	7.98		412	1	< 2	5.60		47	1400	268	7.64	16	1.34	5.05	13	1280	1	1.57	468
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.16		432	1	< 2	5.81		52	1450	273	7.97	17	1.41	5.20	14	1350	< 1	1.57	484
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 147 (4 Acid) Meas					5.22	17	> 1000	31	8	1.20		7	49	311	3.38	24	1.73	0.57	2250	404	2	0.98	24
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.18	20	> 1000	31	8	1.21		7	46	297	3.40	24	1.92	0.56	2220	414	4	0.96	25
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.2	4.75	217		< 1	2	3.63		367	35	5900	19.9	16	3.14	1.14	17	3050	107	0.98	75
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.73	271		< 1	3	3.66		368	33	5850	19.8	16	3.13	1.13	17	3070	125	0.97	72
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.91	148	200	< 1	< 2	2.93	0.4	78		49	5.68	9	0.62	13.0	34	1140	3	0.77	2100
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662009 Orig	6	35	11																				
662009 Dup	6	35	12																				
662014 Orig				< 0.3	7.34	6	32	< 1	< 2	6.02	< 0.3	42	60	179	8.50	17	0.16	3.74	19	1270	< 1	2.37	65
662014 Dup				< 0.3	7.13	5	31	< 1	< 2	5.86	0.3	41	60	175	8.23	17	0.15	3.65	19	1230	< 1	2.28	62
662023 Orig	41	1060	398																				
662023 Dup	52	1040	396																				
662024 Orig				1.6	9.54	5	825	< 1	< 2	4.52	0.3	67	202	2650	5.78	13	2.49	4.96	50	1020	< 1	1.33	815
662024 Dup				2.0	9.65	6	840	< 1	2	4.58	0.5	70	164	2770	5.92	16	2.51	5.05	51	1050	< 1	1.35	818
662030 Orig	15	90	46																				
662030 Dup	15	90	45																				
662035 Orig				< 0.3	8.32	< 3	549	< 1	< 2	4.28	< 0.3	40	504	55	4.90	11	1.75	5.30	46	958	< 1	2.52	204
662035 Dup				< 0.3	8.24	< 3	545	< 1	< 2	4.26	< 0.3	40	504	55	4.87	11	1.70	5.23	46	951	< 1	2.46	203
662045 Orig	13	76	49																				
662045 Dup	11	74	45																				
662048 Orig				< 0.3	8.83	5	826	< 1	< 2	4.26	< 0.3	52	256	140	6.88	14	2.45	6.64	50	1170	< 1	1.48	364
662048 Dup				< 0.3	8.64	5	813	< 1	< 2	4.22	< 0.3	51	227	141	6.76	15	2.44	6.53	49	1150	< 1	1.47	357
662051 Orig	< 2	< 5	6	< 0.3	10.3	5	380	< 1	< 2	5.45	< 0.3	65	206	269	10.0	21	1.28	6.22	74	1200	< 1	1.00	225
662051 Split PREP DUP	< 2	< 5	< 5	< 0.3	9.31	< 3	364	< 1	< 2	5.17	< 0.3	62	210	243	9.56	20	1.17	6.02	71	1160	< 1	0.98	217
662052 Orig	< 2	< 5	< 5																				
662052 Dup	< 2	< 5	< 5																				
662059 Orig	< 2	< 5	6																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662059 Dup	4	24	13																				
662065 Orig				< 0.3	6.97	8	44	< 1	< 2	6.10	< 0.3	45	76	72	7.58	14	0.16	3.92	26	1210	< 1	2.41	94
662065 Dup				< 0.3	7.50	4	44	< 1	< 2	6.09	< 0.3	45	89	73	7.57	15	0.16	3.93	26	1200	< 1	2.43	93
662077 Orig				0.6	6.84	< 3	34	< 1	< 2	4.99	0.8	55	31	355	10.5	17	0.19	4.09	15	1430	< 1	2.39	57
662077 Dup				0.7	6.76	4	33	< 1	< 2	4.90	0.7	55	33	339	10.3	17	0.18	4.04	14	1410	< 1	2.34	57
662079 Orig	343	532	233																				
662079 Dup	105	501	260																				
662089 Orig	14	68	20																				
662089 Dup	10	69	21																				
662093 Orig				< 0.3	16.0	3	99	< 1	< 2	8.40	< 0.3	26	16	144	5.32	21	0.24	2.16	20	770	< 1	3.20	89
662093 Dup				< 0.3	10.3	7	100	< 1	< 2	8.40	< 0.3	25	28	142	5.11	20	0.21	2.03	19	787	< 1	3.23	92
662099 Orig	14	149	48																				
662099 Dup	14	142	54																				
662101 Orig	86	320	197	1.1	5.48	< 3	16	< 1	< 2	4.93	0.9	85	183	1290	9.71	11	0.08	7.37	22	1790	< 1	0.93	392
662101 Split PREP DUP	62	256	153	1.1	5.51	< 3	16	< 1	< 2	5.00	0.5	82	199	1240	9.56	10	0.08	7.40	21	1790	< 1	1.01	367
662103 Orig				1.3	5.89	5	50	< 1	< 2	3.87	0.8	89	307	1430	9.99	11	0.18	7.19	31	1890	< 1	0.84	517
662103 Dup				1.2	5.93	4	53	< 1	< 2	3.99	0.8	94	314	1490	10.4	11	0.19	7.37	32	1960	< 1	0.84	532
662108 Orig	114	48	38																				
662108 Dup	114	49	41																				
662118 Orig	38	33	37																				
662118 Dup	50	32	35																				
662120 Orig				0.5	6.53	8	19	< 1	< 2	3.58	< 0.3	130	16	251	4.89	28	0.11	0.53	5	576	< 1	2.71	233
662120 Dup				0.5	6.18	9	20	< 1	< 2	3.66	< 0.3	132	21	258	5.04	29	0.11	0.53	6	589	1	2.78	235
662128 Orig	212	26	34																				
662128 Dup	167	24	29																				
662134 Orig				1.4	5.71	14	50	1	< 2	2.54	0.6	28	35	1480	4.45	13	0.28	0.85	11	612	2	3.16	176
662134 Dup				1.5	5.64	3	51	1	< 2	2.55	0.6	28	37	1440	4.47	13	0.28	0.85	11	613	2	3.16	174
662148 Orig	< 2	24	< 5																				
662148 Dup	< 2	23	7																				
662151 Orig	< 2	27	6	< 0.3	7.70	6	16	< 1	< 2	5.81	< 0.3	77	70	41	9.22	14	0.05	6.47	28	1410	< 1	1.48	229
662151 Split PREP DUP	< 2	26	< 5	< 0.3	7.35	5	16	< 1	< 2	5.77	< 0.3	75	61	31	8.85	13	0.05	6.34	27	1380	< 1	1.40	226
662157 Orig	4	21	< 5	< 0.3	9.46	< 3	81	< 1	< 2	3.63	< 0.3	56	104	123	6.57	17	0.30	5.90	40	1080	< 1	1.75	240
662157 Dup	5	21	< 5	< 0.3	9.53	4	81	< 1	< 2	3.63	< 0.3	56	102	124	6.64	16	0.30	5.96	41	1090	< 1	1.78	245
662159 Orig				1.0	5.83	5	13	< 1	< 2	3.75	< 0.3	72	248	1150	8.78	11	0.06	8.61	31	1650	< 1	0.95	462
662159 Dup				1.0	6.00	< 3	13	< 1	< 2	3.78	0.3	73	269	1180	8.88	12	0.06	8.74	31	1650	< 1	0.97	467
662167 Orig	3	< 5	< 5																				
662167 Dup	2	< 5	< 5																				
662177 Orig	3	< 5	< 5	< 0.3	5.87	4	16	< 1	< 2	5.42	< 0.3	65	47	211	8.13	10	0.13	6.76	62	1370	< 1	0.17	79
662177 Dup	4	< 5	< 5	< 0.3	5.87	6	16	< 1	< 2	5.49	< 0.3	66	51	213	8.24	11	0.13	6.82	64	1390	< 1	0.17	83
662187 Orig	3	13	< 5																				
662187 Dup	< 2	13	< 5																				
662192 Orig				< 0.3	8.59	< 3	72	< 1	< 2	4.79	< 0.3	49	299	396	6.00	12	0.65	6.44	49	1080	< 1	2.00	246
662192 Dup				< 0.3	8.66	4	72	< 1	< 2	4.77	< 0.3	48	292	402	5.99	12	0.67	6.46	49	1090	< 1	1.98	245
662197 Orig	19	268	137																				
662197 Dup	10	294	129																				
662201 Orig	104	139	75	0.5	9.36	4	72	< 1	< 2	5.13	< 0.3	48	144	1490	5.93	14	0.53	5.04	30	963	< 1	2.09	304
662201 Split PREP DUP	102	130	169	0.4	9.49	5	75	< 1	< 2	5.07	< 0.3	46	134	1210	5.79	14	0.57	4.98	30	940	< 1	2.22	281
662206 Orig				1.0	7.55	6	54	< 1	< 2	3.72	< 0.3	67	159	1660	8.29	12	0.21	6.83	38	1190	< 1	1.48	564
662206 Dup				1.0	7.66	4	55	< 1	< 2	3.75	< 0.3	67	158	1670	8.34	14	0.21	6.88	39	1190	< 1	1.49	566

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662216 Orig	5	13	18																				
662216 Dup	4	13	19																				
662219 Orig				0.7	5.15	9	132	< 1	< 2	3.98	< 0.3	214	105	700	17.4	16	0.55	4.26	23	2010	< 1	0.92	1080
662219 Dup				0.8	5.12	< 3	133	< 1	< 2	4.00	< 0.3	214	109	699	17.5	16	0.55	4.25	23	2000	< 1	0.91	1080
662221 Orig	5	13	13																				
662221 Dup	5	12	12																				
662225 Orig	3	< 5	< 5	< 0.3	10.3	4	113	< 1	< 2	4.93	< 0.3	30	114	43	6.60	18	0.34	3.09	17	1280	< 1	2.88	83
662225 Split PREP DUP	< 2	< 5	< 5	< 0.3	10.8	6	114	< 1	< 2	4.99	< 0.3	31	91	44	6.77	19	0.35	3.14	18	1280	< 1	2.89	85
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	1	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	11	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.69											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.71											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.108	22						0.37		380	79		133		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.119	21						0.39		400	82		142		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		290	< 5	16.5										1300	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		300	< 5	17.2										1420	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.18										139	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.13										140	
OREAS 13b (4-Acid) Cert				1.2										133	
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
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PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
OREAS 904 (4 Acid) Meas	0.096	13	< 5	0.06	12	29			< 5	< 10	87	< 5	35	29	30
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.105	10	< 5	0.06	12	30			< 5	< 10	84	< 5	35	28	163
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 45d (4-Acid) Meas	0.034	23	< 5	0.04	53	34		0.22	< 5	< 10	112	< 5	12	46	56
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.035	22	< 5	0.04	53	33		0.31	< 5	< 10	134	< 5	12	45	89
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 96 (4 Acid) Meas		91	< 5	4.29										454	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		89	< 5	4.28										447	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.068	79	< 5	0.74	13	47		0.44	< 5	< 10	100	9	26	358	136
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.066	83	< 5	0.74	13	45		0.43	< 5	< 10	98	6	27	367	133
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.035	> 5000	15	4.79	5	64		0.19	< 5	< 10	35	< 5	10	> 10000	155
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.036	> 5000	28	4.64	5	57		0.19	< 5	< 10	34	< 5	12	> 10000	162
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
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CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
OREAS 681 (4 Acid) Meas	0.138	8	< 5	0.10	27	443		0.58		< 10	248	< 5	17	77	68
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.142	6	< 5	0.11	28	460		0.59		< 10	253	< 5	18	81	69
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 147 (4 Acid) Meas	0.099	26	18	0.02	11	303		0.20	8	< 10	41		28	148	28
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.089	27	11	0.02	11	301		0.29	10	< 10	55		29	149	20
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.078	14	< 5	1.70	13	81	8	0.30	< 5	30	191	12	18	24	124
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.081	9	< 5	1.68	13	84	7	0.37	< 5	30	205	35	18	29	127
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.023	14	< 5	0.30	12	71		0.18	< 5	< 10	68	8	9	99	66
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66
662009 Orig															
662009 Dup															
662014 Orig	0.059	4	< 5	0.05	38	238	3	0.55	< 5	< 10	261	< 5	32	143	65
662014 Dup	0.054	< 3	< 5	0.05	37	233	3	0.49	< 5	< 10	241	< 5	31	138	63
662023 Orig															
662023 Dup															
662024 Orig	0.012	28	< 5	0.39	13	208	< 2	0.11	< 5	< 10	67	< 5	5	105	14
662024 Dup	0.012	31	< 5	0.40	13	212	< 2	0.11	< 5	< 10	69	< 5	5	106	15
662030 Orig															
662030 Dup															
662035 Orig	0.003	< 3	< 5	0.01	20	110	< 2	0.07	< 5	< 10	81	< 5	2	53	5
662035 Dup	0.003	< 3	< 5	0.01	20	107	3	0.07	< 5	< 10	80	< 5	2	53	< 5
662045 Orig															
662045 Dup															
662048 Orig	0.005	< 3	< 5	0.03	18	149	< 2	0.20	< 5	< 10	144	< 5	3	69	< 5
662048 Dup	0.005	< 3	< 5	0.03	18	146	3	0.20	< 5	< 10	142	< 5	3	72	< 5
662051 Orig	0.026	< 3	< 5	0.20	10	673	< 2	0.43	< 5	< 10	246	< 5	3	78	< 5
662051 Split PREP DUP	0.025	< 3	< 5	0.21	9	646	4	0.41	< 5	< 10	239	< 5	2	76	< 5
662052 Orig															
662052 Dup															
662059 Orig															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662059 Dup															
662065 Orig	0.057	< 3	< 5	0.07	31	164	3	0.30	< 5	< 10	225	< 5	16	66	40
662065 Dup	0.058	< 3	< 5	0.07	33	165	10	0.28	< 5	< 10	201	< 5	16	65	36
662077 Orig	0.069	80	< 5	0.27	40	104	5	0.61	< 5	< 10	318	< 5	29	257	99
662077 Dup	0.069	77	< 5	0.27	39	103	6	0.69	< 5	< 10	329	< 5	28	252	99
662079 Orig															
662079 Dup															
662089 Orig															
662089 Dup															
662093 Orig	0.005	4	< 5	0.24	6	240	< 2	0.10	< 5	< 10	38	< 5	2	54	< 5
662093 Dup	0.003	< 3	< 5	0.16	< 4	241	< 2	0.09	< 5	< 10	38	< 5	1	55	< 5
662099 Orig															
662099 Dup															
662101 Orig	0.011	3	< 5	0.47	33	57	< 2	0.20	< 5	< 10	138	< 5	7	133	22
662101 Split PREP DUP	0.012	< 3	< 5	0.45	33	59	< 2	0.20	< 5	< 10	142	< 5	7	133	23
662103 Orig	0.008	< 3	< 5	0.35	26	46	< 2	0.14	< 5	< 10	104	< 5	4	134	15
662103 Dup	0.008	< 3	< 5	0.35	27	46	< 2	0.14	< 5	< 10	105	< 5	5	141	15
662108 Orig															
662108 Dup															
662118 Orig															
662118 Dup															
662120 Orig	0.007	8	< 5	0.83	4	389	< 2	0.21	< 5	< 10	24	< 5	41	43	43
662120 Dup	0.006	9	< 5	0.81	4	395	< 2	0.21	< 5	< 10	25	< 5	40	44	43
662128 Orig															
662128 Dup															
662134 Orig	0.030	6	< 5	0.37	9	97	< 2	0.26	< 5	< 10	41	< 5	140	119	219
662134 Dup	0.036	5	< 5	0.37	9	97	< 2	0.26	< 5	< 10	41	< 5	140	115	315
662148 Orig															
662148 Dup															
662151 Orig	0.013	< 3	< 5	0.01	27	105	< 2	0.16	< 5	< 10	126	< 5	6	100	19
662151 Split PREP DUP	0.011	< 3	< 5	0.01	26	102	< 2	0.15	< 5	< 10	122	< 5	6	100	17
662157 Orig	0.008	< 3	< 5	0.02	15	139	< 2	0.10	< 5	< 10	88	< 5	9	118	41
662157 Dup	0.008	< 3	< 5	0.02	15	139	< 2	0.10	< 5	< 10	88	< 5	9	120	42
662159 Orig	0.009	< 3	< 5	0.16	28	31	< 2	0.13	< 5	< 10	116	< 5	5	195	16
662159 Dup	0.008	< 3	< 5	0.16	29	32	< 2	0.13	< 5	< 10	118	< 5	5	196	15
662167 Orig															
662167 Dup															
662177 Orig	0.005	< 3	< 5	0.15	28	49	< 2	0.19	< 5	< 10	153	< 5	2	160	8
662177 Dup	0.005	< 3	< 5	0.16	29	49	< 2	0.19	< 5	< 10	154	< 5	2	158	8
662187 Orig															
662187 Dup															
662192 Orig	0.009	< 3	< 5	0.06	22	158	4	0.13	< 5	< 10	98	< 5	6	86	19
662192 Dup	0.009	< 3	< 5	0.06	22	161	< 2	0.13	< 5	< 10	98	< 5	6	84	19
662197 Orig															
662197 Dup															
662201 Orig	0.032	< 3	< 5	0.21	23	198	8	0.27	< 5	< 10	128	< 5	11	68	48
662201 Split PREP DUP	0.036	< 3	< 5	0.18	24	198	5	0.27	< 5	< 10	123	< 5	12	65	50
662206 Orig	0.019	< 3	< 5	0.22	20	104	< 2	0.14	< 5	< 10	92	< 5	6	125	25
662206 Dup	0.019	< 3	< 5	0.23	20	105	< 2	0.15	< 5	< 10	93	< 5	6	125	26

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662216 Orig															
662216 Dup															
662219 Orig	0.022	6	< 5	0.29	28	78	< 2	0.33	< 5	< 10	200	< 5	20	198	60
662219 Dup	0.022	12	< 5	0.28	28	77	4	0.33	< 5	< 10	201	< 5	20	199	61
662221 Orig															
662221 Dup															
662225 Orig	0.054	< 3	< 5	0.02	23	208	< 2	0.37	< 5	< 10	162	< 5	9	106	13
662225 Split PREP DUP	0.052	< 3	< 5	0.02	24	208	< 2	0.29	< 5	< 10	138	< 5	9	103	13
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-10967-Final2**
Report Date: **27-Aug-21**
Date Submitted: **15-Jun-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

225 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-Rh	QOP PGE ICP-MS (Rhodium FA ICP/MS)	2021-08-10 20:43:11

REPORT **A21-10967-Final2**

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Notes:

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Rh
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-MS
662017	50
662018	157
662019	< 5
662020	< 5
662021	< 5
662022	65
662023	38
662024	63
662025	8
662026	69
662027	16
662028	< 5
662029	< 5
662030	< 5
662031	< 5
662074	27
662075	13
662076	< 5
662077	< 5
662078	< 5
662079	18
662080	< 5
662081	11
662082	25
662083	16
662084	< 5
662153	6
662154	< 5
662155	18
662156	< 5
662157	< 5
662158	19
662159	32
662160	< 5
662161	< 5
662204	18
662205	65
662206	< 5

Analyte Symbol	Rh
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-MS
WMS-1a Meas	216
WMS-1a Cert	222
WMS-1a Meas	229
WMS-1a Cert	222
WMS-1a Meas	219
WMS-1a Cert	222
WMS-1a Meas	229
WMS-1a Cert	222
WMS-1a Meas	239
WMS-1a Cert	222
OREAS 682 (FIRE ASSAY Ni-S) Meas	60
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	58
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	63
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	60
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	61
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
662026 Orig	70
662026 Dup	67
662078 Orig	< 5
662078 Dup	< 5
662156 Orig	< 5
662156 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-11352**
Report Date: **16-Jul-21**
Date Submitted: **18-Jun-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

39 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-07-12 12:31:40
1F2	QOP Total (Total Digestion ICPOES)	2021-07-06 07:24:40

REPORT **A21-11352**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662226	67	590	141	1.7	6.65	11	269	< 1	< 2	5.83	0.9	103	130	4010	12.8	18	1.23	3.66	21	1420	< 1	1.23	493
662227	82	546	144	1.6	6.43	5	178	< 1	2	5.85	0.7	113	88	3930	13.4	18	1.12	3.71	21	1400	< 1	1.17	500
662228	44	360	99	1.2	6.79	< 3	218	< 1	3	5.28	0.7	87	69	2540	12.0	17	0.72	4.03	21	1460	< 1	1.67	344
662229	79	424	113	1.2	6.80	10	155	< 1	< 2	5.52	0.6	87	53	2910	12.2	17	0.57	4.05	19	1470	< 1	1.67	346
662230	24	251	78	0.6	7.22	4	306	< 1	< 2	5.30	0.5	68	52	1470	10.8	16	0.83	3.80	22	1380	< 1	1.74	236
662231	73	354	121	1.1	6.57	8	287	< 1	2	6.15	0.9	73	92	2480	11.3	17	0.88	3.73	18	1420	1	1.59	303
662232	162	413	120	1.3	7.02	19	247	< 1	< 2	5.54	0.6	97	75	3330	12.1	17	0.75	3.92	21	1380	< 1	1.69	395
662233	125	460	124	1.2	6.82	12	245	< 1	< 2	5.93	0.6	89	64	3050	11.8	18	0.70	3.76	21	1380	< 1	1.67	356
662234	47	343	94	1.0	6.81	6	346	< 1	2	5.66	0.4	79	67	2510	12.0	18	1.17	3.67	21	1370	< 1	1.51	305
662235	112	480	128	1.4	6.94	< 3	200	< 1	< 2	5.64	0.4	96	96	3490	12.9	19	1.52	3.41	23	1340	< 1	1.24	395
662236	78	537	171	1.5	6.58	7	232	< 1	< 2	5.37	0.7	95	108	3410	12.4	18	0.79	3.97	21	1420	< 1	1.60	438
662237	54	384	114	1.2	6.83	7	252	< 1	< 2	5.58	1.0	98	155	2960	13.0	18	0.88	3.97	21	1480	< 1	1.53	353
662238	58	266	75	1.0	7.03	8	391	< 1	< 2	6.19	0.5	86	121	2110	13.0	19	1.35	3.56	24	1390	< 1	1.07	290
662239	41	298	89	0.8	7.00	14	269	< 1	< 2	5.65	0.6	78	88	1760	11.8	18	0.89	3.80	22	1440	< 1	1.64	279
662240	< 2	< 5	< 5	< 0.3	0.04	3	651	< 1	< 2	22.7	< 0.3	< 1	12	7	0.09	< 1	< 0.01	12.1	4	424	< 1	0.02	2
662241	9	83	29	0.4	7.19	8	132	< 1	< 2	5.49	< 0.3	57	63	523	10.2	16	0.35	3.77	18	1400	< 1	2.32	132
662242	8	63	23	< 0.3	7.31	13	239	< 1	< 2	5.73	< 0.3	54	54	308	10.3	17	0.80	3.51	22	1400	< 1	1.71	121
662243	16	73	39	0.3	7.16	4	195	< 1	< 2	5.95	0.4	60	83	640	10.7	15	0.61	3.81	20	1440	< 1	1.67	170
662244	11	65	24	0.4	6.92	< 3	229	< 1	< 2	6.18	< 0.3	54	80	469	10.2	17	0.73	3.55	19	1390	< 1	1.73	131
662245	45	114	48	0.5	6.74	10	181	< 1	< 2	5.97	0.5	61	83	700	10.8	18	0.62	3.81	20	1460	< 1	1.69	164
662246	20	102	46	0.4	6.77	3	207	< 1	< 2	6.02	0.6	63	109	648	11.2	17	0.75	4.04	21	1530	< 1	1.50	170
662247	11	81	33	0.4	7.21	< 3	262	< 1	< 2	6.33	0.3	58	104	496	10.8	18	0.93	3.82	22	1470	< 1	1.52	153
662248	33	171	56	0.9	6.85	11	164	< 1	< 2	6.47	1.3	71	106	1200	10.9	17	0.61	3.70	18	1430	< 1	1.62	213
662249	39	192	60	0.8	6.76	< 3	96	< 1	< 2	5.94	0.4	72	74	1610	10.8	17	0.34	3.77	16	1460	< 1	1.90	228
662250	109	1290	679	3.1	6.46	5	89	< 1	3	3.89	1.0	159	221	6310	13.4	13	0.61	3.75	13	1110	1	1.67	8100
662251	31	148	52	0.6	6.94	< 3	133	< 1	< 2	6.10	< 0.3	67	68	1250	10.6	16	0.47	3.72	17	1420	< 1	1.87	213
662252	22	166	61	0.6	7.03	5	141	< 1	< 2	6.08	0.9	67	71	1220	10.7	17	0.52	4.04	18	1470	< 1	1.79	210
662253	45	205	72	0.7	6.73	< 3	225	< 1	< 2	6.14	0.6	77	78	1520	10.8	17	0.76	3.85	19	1400	< 1	1.57	242
662254	53	181	53	0.6	7.09	10	293	< 1	< 2	5.96	0.9	68	61	1260	10.4	15	0.92	3.95	22	1350	< 1	1.56	212
662255	24	149	65	0.5	7.05	< 3	280	< 1	< 2	6.08	0.5	69	71	1150	10.8	17	0.96	4.02	22	1420	< 1	1.41	201
662256	12	63	24	< 0.3	7.20	10	262	< 1	< 2	6.10	< 0.3	67	51	460	10.3	17	0.85	3.85	25	1420	< 1	1.55	135
662257	6	61	25	< 0.3	7.31	4	213	< 1	< 2	5.89	0.3	58	84	340	10.1	18	0.72	3.87	23	1430	< 1	1.71	127
662258	4	44	18	0.3	7.11	7	166	< 1	< 2	5.51	< 0.3	58	52	211	9.76	17	0.55	4.05	22	1550	< 1	2.03	120
662259	4	43	18	< 0.3	7.22	5	340	< 1	< 2	5.68	< 0.3	57	68	166	10.0	17	1.08	4.32	29	1500	< 1	1.64	121
662260	< 2	< 5	< 5	< 0.3	0.04	< 3	690	< 1	< 2	23.1	< 0.3	< 1	2	2	0.08	< 1	0.01	12.1	5	380	< 1	0.02	1
662261	5	60	26	0.3	6.75	9	300	< 1	< 2	6.01	< 0.3	58	60	229	9.73	17	0.91	4.01	23	1450	< 1	1.61	119
662262	8	106	42	0.3	6.85	5	162	< 1	< 2	5.50	< 0.3	57	54	248	9.98	17	0.51	4.36	20	1510	< 1	2.00	113
662263	2	38	21	< 0.3	7.07	6	322	< 1	< 2	6.18	< 0.3	58	66	138	9.82	16	1.05	3.93	24	1400	< 1	1.54	116
662264	< 2	26	19	< 0.3	7.30	6	321	< 1	< 2	6.21	< 0.3	55	59	109	9.66	16	1.00	3.85	23	1370	< 1	1.62	109

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662226	0.051	6	< 5	1.03	27	154	< 2	0.35	< 5	< 10	220	< 5	19	116	66
662227	0.052	6	< 5	1.51	26	152	< 2	0.43	< 5	< 10	220	< 5	20	111	65
662228	0.055	5	< 5	0.83	29	126	< 2	0.53	< 5	< 10	227	< 5	20	102	68
662229	0.053	6	< 5	0.92	26	129	< 2	0.54	< 5	< 10	223	< 5	19	104	70
662230	0.056	< 3	< 5	0.38	29	148	2	0.51	< 5	< 10	215	< 5	21	96	66
662231	0.055	4	< 5	0.69	30	173	4	0.58	< 5	< 10	240	< 5	21	95	71
662232	0.062	4	< 5	1.17	27	151	3	0.54	< 5	< 10	237	< 5	20	105	66
662233	0.059	4	< 5	1.10	27	162	3	0.55	< 5	< 10	234	< 5	20	101	69
662234	0.052	5	< 5	0.76	28	159	< 2	0.42	< 5	< 10	202	< 5	21	100	66
662235	0.053	9	< 5	1.11	24	172	< 2	0.55	< 5	< 10	238	< 5	19	110	71
662236	0.048	51	< 5	0.96	27	129	< 2	0.36	< 5	< 10	190	< 5	20	213	68
662237	0.059	20	< 5	0.96	28	138	< 2	0.58	< 5	< 10	244	6	21	153	72
662238	0.062	26	< 5	0.81	25	180	3	0.65	< 5	< 10	253	< 5	20	148	74
662239	0.050	27	< 5	0.60	27	154	< 2	0.58	< 5	< 10	253	< 5	18	154	59
662240	0.006	< 3	< 5	0.02	< 4	119	< 2	< 0.01	< 5	< 10	3	< 5	< 1	12	< 5
662241	0.044	27	< 5	0.26	27	124	4	0.51	< 5	< 10	234	5	18	135	58
662242	0.049	5	< 5	0.17	29	160	5	0.44	< 5	< 10	198	< 5	19	89	50
662243	0.049	4	< 5	0.31	30	153	< 2	0.51	< 5	< 10	233	< 5	18	97	54
662244	0.055	8	< 5	0.23	31	171	5	0.57	< 5	< 10	262	< 5	20	103	65
662245	0.045	< 3	< 5	0.27	28	150	4	0.53	< 5	< 10	246	5	18	104	52
662246	0.050	5	< 5	0.27	33	140	3	0.53	< 5	< 10	255	9	19	112	57
662247	0.048	11	< 5	0.27	31	170	3	0.53	< 5	< 10	246	< 5	18	121	55
662248	0.049	118	< 5	0.51	30	163	< 2	0.46	< 5	< 10	241	8	20	328	60
662249	0.045	< 3	< 5	0.62	27	133	< 2	0.42	< 5	< 10	220	< 5	18	109	63
662250	0.057	45	< 5	2.90	11	271	< 2	0.37	< 5	< 10	87	< 5	10	111	57
662251	0.052	4	< 5	0.47	30	153	< 2	0.54	< 5	< 10	247	< 5	19	96	62
662252	0.051	< 3	< 5	0.41	31	146	< 2	0.53	< 5	< 10	246	< 5	19	103	57
662253	0.048	8	< 5	0.56	30	160	5	0.54	< 5	< 10	248	5	18	103	55
662254	0.050	11	< 5	0.41	31	156	3	0.54	< 5	< 10	247	6	19	122	55
662255	0.048	5	< 5	0.38	30	154	3	0.54	< 5	< 10	248	< 5	18	102	53
662256	0.043	9	< 5	0.27	29	152	3	0.29	< 5	< 10	162	< 5	18	135	33
662257	0.043	9	< 5	0.14	31	156	5	0.34	< 5	< 10	203	< 5	18	106	47
662258	0.039	5	< 5	0.13	29	129	4	0.45	< 5	< 10	197	< 5	19	111	67
662259	0.043	4	< 5	0.06	31	151	< 2	0.45	< 5	< 10	213	< 5	18	104	50
662260	0.004	< 3	< 5	0.02	< 4	110	< 2	< 0.01	< 5	< 10	3	< 5	< 1	13	< 5
662261	0.048	5	< 5	0.14	29	154	4	0.48	< 5	< 10	230	6	18	99	56
662262	0.041	< 3	< 5	0.10	31	111	3	0.48	< 5	< 10	228	< 5	19	99	56
662263	0.045	5	< 5	0.13	32	157	< 2	0.42	< 5	< 10	208	< 5	19	84	50
662264	0.041	4	< 5	0.10	30	157	< 2	0.31	< 5	< 10	200	< 5	19	80	49

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						12						139	165	304	9.02								6210
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						21						143	150	318	9.29								6460
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												45		418	10.5		2.40	1.23		934	19		11
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		422	10.5		2.42	1.25		985	20		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				42.1					110			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 98 (4 Acid) Meas				41.7					66			120		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				1.0		53						71	8960	2370							9		2140
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		57						71	8970	2370							9		2130
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
PK2 Meas	4940	6100	4860																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4760	5860	4840																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4650	5700	4690																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4760	5840	4640																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4920	6140	5000																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	5150	6190	5040																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4780	5950	4860																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4930	6100	4930																				
PK2 Cert	4785	5918	4749																				
OREAS 904 (4 Acid) Meas				0.8	6.65	102	210	8	6	0.05		93	57	6060	6.87	16	3.43	0.59	17	444	2	0.04	50
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				1.0	6.57	119	214	8	< 2	0.05		96	61	6290	7.05	17	3.50	0.60	17	473	2	0.04	49
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 45d (4-Acid) Meas					8.19	22	189	< 1	< 2	0.20		31	473	376	14.5	22	0.42	0.25	22	511	< 1	0.10	251
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.45	61	191	< 1	< 2	0.20		31	535	381	14.6	23	0.43	0.25	22	527	1	0.10	251
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 96 (4 Acid) Meas				11.6					28			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.6					22			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.9	7.81	9	421	2	17	0.52	0.4	24	85	4480	6.75	20	2.29	1.81	32	1020	1	0.33	44
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				1.9	7.71	25	439	2	21	0.51	0.4	24	65	4460	6.76	19	2.66	1.80	32	1010	< 1	0.33	39
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				71.9	5.75	69		1	5	2.09	297	30	31	3630	3.79	25	2.25	0.50	15	577	14	1.37	34
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				71.6	5.61	98		1	3	2.07	294	30	33	3580	3.74	24	2.23	0.51	15	539	14	1.34	33
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1730	1640	237																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1710	221																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1650	239																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1660	228																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1960	1570	195																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1870	1630	226																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1750	220																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1860	1570	207																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
OREAS 681 (4 Acid) Meas				< 0.3	7.77		410	1	< 2	5.64		46	1180	261	7.61	16	1.35	5.00	13	1210	1	1.60	464
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.81		412	1	< 2	5.67		47	1480	261	7.58	16	1.36	4.98	14	1240	1	1.60	474
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.5	6.46	3150	424	2	< 2	0.90	< 0.3	14	80	42	3.38	17	2.51	1.29	32	368	< 1	0.49	51
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					5.26	32	> 1000	31	8	1.19		7	57	302	3.28	23	1.71	0.58	2230	412	4	1.01	25
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.23	25	> 1000	31	9	1.20		7	59	297	3.27	24	1.70	0.58	2220	430	4	1.01	25
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.2	4.70	210		< 1	7	3.73		361	41	5890	20.1	17	3.18	1.13	17	3020	106	0.96	70
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.65	298		< 1	5	3.72		363	39	5990	20.1	17	3.23	1.13	17	3030	133	0.95	74
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.76	134	192	< 1	< 2	2.87	0.4	74		48	5.49	7	0.60	12.7	33	1090	3	0.76	2020
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662235 Orig	63	492	126																				
662235 Dup	161	468	131																				
662239 Orig				0.8	6.80	16	269	< 1	< 2	5.64	0.7	78	85	1760	11.8	18	0.88	3.78	22	1440	< 1	1.63	274
662239 Dup				0.8	7.20	12	269	< 1	< 2	5.65	0.6	79	90	1760	11.9	19	0.90	3.81	22	1440	< 1	1.65	283
662245 Orig	70	113	50																				
662245 Dup	21	115	46																				
662248 Orig				0.8	6.92	13	165	< 1	< 2	6.49	1.1	71	94	1210	11.0	17	0.61	3.72	18	1440	< 1	1.63	214
662248 Dup				1.0	6.77	9	163	< 1	< 2	6.45	1.4	71	119	1190	10.9	17	0.61	3.68	18	1420	< 1	1.60	211
662255 Orig	26	151	66																				
662255 Dup	23	146	65																				
662259 Orig				< 0.3	7.51	7	343	< 1	< 2	5.69	< 0.3	57	70	169	10.1	17	1.10	4.37	29	1510	< 1	1.63	124
662259 Dup				< 0.3	6.94	4	337	< 1	< 2	5.67	< 0.3	57	65	164	9.88	17	1.07	4.27	29	1490	< 1	1.65	118
662261 Orig	4	59	22																				
662261 Dup	5	61	31																				
662263 Orig				< 0.3	6.99	3	323	< 1	< 2	6.20	< 0.3	57	61	141	9.81	17	1.05	3.95	24	1400	< 1	1.55	114
662263 Dup				< 0.3	7.15	9	322	< 1	< 2	6.16	< 0.3	59	71	135	9.83	16	1.05	3.90	24	1400	< 1	1.54	117
662264 Orig	< 2	26	19	< 0.3	7.30	6	321	< 1	< 2	6.21	< 0.3	55	59	109	9.66	16	1.00	3.85	23	1370	< 1	1.62	109
662264 Split	< 2	24	15	< 0.3	7.29	9	323	< 1	< 2	6.24	< 0.3	56	51	135	9.74	18	1.01	3.89	24	1350	< 1	1.61	112

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
PREP DUP																							
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	3	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	< 1	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	9	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.49											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.54											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.106	22						0.36		380	78		130		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.115	22						0.36		390	78		132		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		318	< 5	13.9										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		315	8	14.1										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.07										121	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.07										113	
OREAS 13b (4-Acid) Cert				1.2										133	
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
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PK2 Cert															
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
OREAS 904 (4 Acid) Meas	0.103	9	< 5	0.06	11	30			< 5	< 10	82	< 5	34	29	124
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.104	6	< 5	0.06	12	31			< 5	< 10	87	< 5	32	29	189
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 45d (4-Acid) Meas	0.035	21	< 5	0.04	53	34		0.24	< 5	< 10	119	< 5	12	46	74
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.038	22	< 5	0.05	54	34		0.60	< 5	< 10	190	< 5	12	49	138
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 96 (4 Acid) Meas		97	< 5	3.96										456	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		95	< 5	3.83										450	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.068	93	< 5	0.68	13	48		0.43	< 5	< 10	97	11	27	361	130
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.065	90	< 5	0.67	13	46		0.42	< 5	< 10	96	10	27	376	131
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.037	> 5000	13	4.44	6	75		0.19	< 5	< 10	36	< 5	11	> 10000	153
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.036	> 5000	15	4.38	5	64		0.18	< 5	< 10	34	< 5	10	> 10000	147
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
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CDN-PGMS-30 Meas															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
OREAS 681 (4 Acid) Meas	0.137	7	< 5	0.09	26	446		0.57		< 10	240	7	17	78	61
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.130	6	7	0.09	26	444		0.54		< 10	233	< 5	16	78	64
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 247 (4 Acid) Meas	0.044	32	332	0.67	12	101		0.36	< 5	< 10	68	< 5	19	89	112
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 147 (4 Acid) Meas	0.117	29	< 5	0.02	11	320		0.22	8	< 10	40		28	149	66
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.117	29	7	0.03	11	318		0.23	8	< 10	42		28	152	72
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.078	8	< 5	1.56	13	90	< 2	0.32	< 5	40	197	16	18	24	116
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.079	5	< 5	1.54	13	93	< 2	0.42	< 5	40	209	94	18	24	117
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.022	11	< 5	0.27	11	71		0.17	< 5	< 10	65	< 5	8	99	60
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66
662235 Orig															
662235 Dup															
662239 Orig	0.053	26	< 5	0.60	26	153	3	0.58	< 5	< 10	252	< 5	18	154	61
662239 Dup	0.048	29	< 5	0.61	28	155	< 2	0.58	< 5	< 10	255	6	18	154	58
662245 Orig															
662245 Dup															
662248 Orig	0.051	118	< 5	0.52	30	165	< 2	0.56	< 5	< 10	262	6	20	327	62
662248 Dup	0.047	119	< 5	0.50	30	160	< 2	0.36	< 5	< 10	221	9	20	328	57
662255 Orig															
662255 Dup															
662259 Orig	0.044	4	< 5	0.06	33	153	< 2	0.45	< 5	< 10	215	< 5	19	104	50
662259 Dup	0.042	3	< 5	0.06	30	149	5	0.45	< 5	< 10	211	< 5	17	105	49
662261 Orig															
662261 Dup															
662263 Orig	0.047	3	< 5	0.13	32	158	< 2	0.51	< 5	< 10	239	< 5	19	84	59
662263 Dup	0.044	6	< 5	0.13	32	157	< 2	0.33	< 5	< 10	177	< 5	19	85	42
662264 Orig	0.041	4	< 5	0.10	30	157	< 2	0.31	< 5	< 10	200	< 5	19	80	49
662264 Split	0.047	3	< 5	0.10	31	160	< 2	0.50	< 5	< 10	235	5	19	79	55

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
PREP DUP															
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	8
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-11352-FullFinal**
Report Date: **23-Aug-21**
Date Submitted: **18-Jun-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

39 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-07-12 12:31:40
1C-Rh	QOP PGE ICP-MS (Rhodium FA ICP/MS)	2021-08-10 20:43:11
1F2	QOP Total (Total Digestion ICPOES)	2021-07-06 07:24:40

REPORT **A21-11352-FullFinal**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662226	67	590	141	1.7	6.65	11	269	< 1	< 2	5.83	0.9	103	130	4010	12.8	18	1.23	3.66	21	1420	< 1	1.23	493
662227	82	546	144	1.6	6.43	5	178	< 1	2	5.85	0.7	113	88	3930	13.4	18	1.12	3.71	21	1400	< 1	1.17	500
662228	44	360	99	1.2	6.79	< 3	218	< 1	3	5.28	0.7	87	69	2540	12.0	17	0.72	4.03	21	1460	< 1	1.67	344
662229	79	424	113	1.2	6.80	10	155	< 1	< 2	5.52	0.6	87	53	2910	12.2	17	0.57	4.05	19	1470	< 1	1.67	346
662230	24	251	78	0.6	7.22	4	306	< 1	< 2	5.30	0.5	68	52	1470	10.8	16	0.83	3.80	22	1380	< 1	1.74	236
662231	73	354	121	1.1	6.57	8	287	< 1	2	6.15	0.9	73	92	2480	11.3	17	0.88	3.73	18	1420	1	1.59	303
662232	162	413	120	1.3	7.02	19	247	< 1	< 2	5.54	0.6	97	75	3330	12.1	17	0.75	3.92	21	1380	< 1	1.69	395
662233	125	460	124	1.2	6.82	12	245	< 1	< 2	5.93	0.6	89	64	3050	11.8	18	0.70	3.76	21	1380	< 1	1.67	356
662234	47	343	94	1.0	6.81	6	346	< 1	2	5.66	0.4	79	67	2510	12.0	18	1.17	3.67	21	1370	< 1	1.51	305
662235	112	480	128	1.4	6.94	< 3	200	< 1	< 2	5.64	0.4	96	96	3490	12.9	19	1.52	3.41	23	1340	< 1	1.24	395
662236	78	537	171	1.5	6.58	7	232	< 1	< 2	5.37	0.7	95	108	3410	12.4	18	0.79	3.97	21	1420	< 1	1.60	438
662237	54	384	114	1.2	6.83	7	252	< 1	< 2	5.58	1.0	98	155	2960	13.0	18	0.88	3.97	21	1480	< 1	1.53	353
662238	58	266	75	1.0	7.03	8	391	< 1	< 2	6.19	0.5	86	121	2110	13.0	19	1.35	3.56	24	1390	< 1	1.07	290
662239	41	298	89	0.8	7.00	14	269	< 1	< 2	5.65	0.6	78	88	1760	11.8	18	0.89	3.80	22	1440	< 1	1.64	279
662240	< 2	< 5	< 5	< 0.3	0.04	3	651	< 1	< 2	22.7	< 0.3	< 1	12	7	0.09	< 1	< 0.01	12.1	4	424	< 1	0.02	2
662241	9	83	29	0.4	7.19	8	132	< 1	< 2	5.49	< 0.3	57	63	523	10.2	16	0.35	3.77	18	1400	< 1	2.32	132
662242	8	63	23	< 0.3	7.31	13	239	< 1	< 2	5.73	< 0.3	54	54	308	10.3	17	0.80	3.51	22	1400	< 1	1.71	121
662243	16	73	39	0.3	7.16	4	195	< 1	< 2	5.95	0.4	60	83	640	10.7	15	0.61	3.81	20	1440	< 1	1.67	170
662244	11	65	24	0.4	6.92	< 3	229	< 1	< 2	6.18	< 0.3	54	80	469	10.2	17	0.73	3.55	19	1390	< 1	1.73	131
662245	45	114	48	0.5	6.74	10	181	< 1	< 2	5.97	0.5	61	83	700	10.8	18	0.62	3.81	20	1460	< 1	1.69	164
662246	20	102	46	0.4	6.77	3	207	< 1	< 2	6.02	0.6	63	109	648	11.2	17	0.75	4.04	21	1530	< 1	1.50	170
662247	11	81	33	0.4	7.21	< 3	262	< 1	< 2	6.33	0.3	58	104	496	10.8	18	0.93	3.82	22	1470	< 1	1.52	153
662248	33	171	56	0.9	6.85	11	164	< 1	< 2	6.47	1.3	71	106	1200	10.9	17	0.61	3.70	18	1430	< 1	1.62	213
662249	39	192	60	0.8	6.76	< 3	96	< 1	< 2	5.94	0.4	72	74	1610	10.8	17	0.34	3.77	16	1460	< 1	1.90	228
662250	109	1290	679	3.1	6.46	5	89	< 1	3	3.89	1.0	159	221	6310	13.4	13	0.61	3.75	13	1110	1	1.67	8100
662251	31	148	52	0.6	6.94	< 3	133	< 1	< 2	6.10	< 0.3	67	68	1250	10.6	16	0.47	3.72	17	1420	< 1	1.87	213
662252	22	166	61	0.6	7.03	5	141	< 1	< 2	6.08	0.9	67	71	1220	10.7	17	0.52	4.04	18	1470	< 1	1.79	210
662253	45	205	72	0.7	6.73	< 3	225	< 1	< 2	6.14	0.6	77	78	1520	10.8	17	0.76	3.85	19	1400	< 1	1.57	242
662254	53	181	53	0.6	7.09	10	293	< 1	< 2	5.96	0.9	68	61	1260	10.4	15	0.92	3.95	22	1350	< 1	1.56	212
662255	24	149	65	0.5	7.05	< 3	280	< 1	< 2	6.08	0.5	69	71	1150	10.8	17	0.96	4.02	22	1420	< 1	1.41	201
662256	12	63	24	< 0.3	7.20	10	262	< 1	< 2	6.10	< 0.3	67	51	460	10.3	17	0.85	3.85	25	1420	< 1	1.55	135
662257	6	61	25	< 0.3	7.31	4	213	< 1	< 2	5.89	0.3	58	84	340	10.1	18	0.72	3.87	23	1430	< 1	1.71	127
662258	4	44	18	0.3	7.11	7	166	< 1	< 2	5.51	< 0.3	58	52	211	9.76	17	0.55	4.05	22	1550	< 1	2.03	120
662259	4	43	18	< 0.3	7.22	5	340	< 1	< 2	5.68	< 0.3	57	68	166	10.0	17	1.08	4.32	29	1500	< 1	1.64	121
662260	< 2	< 5	< 5	< 0.3	0.04	< 3	690	< 1	< 2	23.1	< 0.3	< 1	2	2	0.08	< 1	0.01	12.1	5	380	< 1	0.02	1
662261	5	60	26	0.3	6.75	9	300	< 1	< 2	6.01	< 0.3	58	60	229	9.73	17	0.91	4.01	23	1450	< 1	1.61	119
662262	8	106	42	0.3	6.85	5	162	< 1	< 2	5.50	< 0.3	57	54	248	9.98	17	0.51	4.36	20	1510	< 1	2.00	113
662263	2	38	21	< 0.3	7.07	6	322	< 1	< 2	6.18	< 0.3	58	66	138	9.82	16	1.05	3.93	24	1400	< 1	1.54	116
662264	< 2	26	19	< 0.3	7.30	6	321	< 1	< 2	6.21	< 0.3	55	59	109	9.66	16	1.00	3.85	23	1370	< 1	1.62	109

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Rh
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-MS
662226	0.051	6	< 5	1.03	27	154	< 2	0.35	< 5	< 10	220	< 5	19	116	66	15
662227	0.052	6	< 5	1.51	26	152	< 2	0.43	< 5	< 10	220	< 5	20	111	65	20
662228	0.055	5	< 5	0.83	29	126	< 2	0.53	< 5	< 10	227	< 5	20	102	68	12
662229	0.053	6	< 5	0.92	26	129	< 2	0.54	< 5	< 10	223	< 5	19	104	70	15
662230	0.056	< 3	< 5	0.38	29	148	2	0.51	< 5	< 10	215	< 5	21	96	66	8
662231	0.055	4	< 5	0.69	30	173	4	0.58	< 5	< 10	240	< 5	21	95	71	< 5
662232	0.062	4	< 5	1.17	27	151	3	0.54	< 5	< 10	237	< 5	20	105	66	15
662233	0.059	4	< 5	1.10	27	162	3	0.55	< 5	< 10	234	< 5	20	101	69	17
662234	0.052	5	< 5	0.76	28	159	< 2	0.42	< 5	< 10	202	< 5	21	100	66	13
662235	0.053	9	< 5	1.11	24	172	< 2	0.55	< 5	< 10	238	< 5	19	110	71	14
662236	0.048	51	< 5	0.96	27	129	< 2	0.36	< 5	< 10	190	< 5	20	213	68	19
662237	0.059	20	< 5	0.96	28	138	< 2	0.58	< 5	< 10	244	6	21	153	72	11
662238	0.062	26	< 5	0.81	25	180	3	0.65	< 5	< 10	253	< 5	20	148	74	< 5
662239	0.050	27	< 5	0.60	27	154	< 2	0.58	< 5	< 10	253	< 5	18	154	59	10
662240	0.006	< 3	< 5	0.02	< 4	119	< 2	< 0.01	< 5	< 10	3	< 5	< 1	12	< 5	
662241	0.044	27	< 5	0.26	27	124	4	0.51	< 5	< 10	234	5	18	135	58	
662242	0.049	5	< 5	0.17	29	160	5	0.44	< 5	< 10	198	< 5	19	89	50	
662243	0.049	4	< 5	0.31	30	153	< 2	0.51	< 5	< 10	233	< 5	18	97	54	
662244	0.055	8	< 5	0.23	31	171	5	0.57	< 5	< 10	262	< 5	20	103	65	
662245	0.045	< 3	< 5	0.27	28	150	4	0.53	< 5	< 10	246	5	18	104	52	
662246	0.050	5	< 5	0.27	33	140	3	0.53	< 5	< 10	255	9	19	112	57	
662247	0.048	11	< 5	0.27	31	170	3	0.53	< 5	< 10	246	< 5	18	121	55	
662248	0.049	118	< 5	0.51	30	163	< 2	0.46	< 5	< 10	241	8	20	328	60	
662249	0.045	< 3	< 5	0.62	27	133	< 2	0.42	< 5	< 10	220	< 5	18	109	63	
662250	0.057	45	< 5	2.90	11	271	< 2	0.37	< 5	< 10	87	< 5	10	111	57	
662251	0.052	4	< 5	0.47	30	153	< 2	0.54	< 5	< 10	247	< 5	19	96	62	
662252	0.051	< 3	< 5	0.41	31	146	< 2	0.53	< 5	< 10	246	< 5	19	103	57	
662253	0.048	8	< 5	0.56	30	160	5	0.54	< 5	< 10	248	5	18	103	55	
662254	0.050	11	< 5	0.41	31	156	3	0.54	< 5	< 10	247	6	19	122	55	
662255	0.048	5	< 5	0.38	30	154	3	0.54	< 5	< 10	248	< 5	18	102	53	
662256	0.043	9	< 5	0.27	29	152	3	0.29	< 5	< 10	162	< 5	18	135	33	
662257	0.043	9	< 5	0.14	31	156	5	0.34	< 5	< 10	203	< 5	18	106	47	
662258	0.039	5	< 5	0.13	29	129	4	0.45	< 5	< 10	197	< 5	19	111	67	
662259	0.043	4	< 5	0.06	31	151	< 2	0.45	< 5	< 10	213	< 5	18	104	50	
662260	0.004	< 3	< 5	0.02	< 4	110	< 2	< 0.01	< 5	< 10	3	< 5	< 1	13	< 5	
662261	0.048	5	< 5	0.14	29	154	4	0.48	< 5	< 10	230	6	18	99	56	
662262	0.041	< 3	< 5	0.10	31	111	3	0.48	< 5	< 10	228	< 5	19	99	56	
662263	0.045	5	< 5	0.13	32	157	< 2	0.42	< 5	< 10	208	< 5	19	84	50	
662264	0.041	4	< 5	0.10	30	157	< 2	0.31	< 5	< 10	200	< 5	19	80	49	

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						12						139	165	304	9.02								6210
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						21						143	150	318	9.29								6460
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												45		418	10.5		2.40	1.23		934	19		11
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		422	10.5		2.42	1.25		985	20		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				42.1					110			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				41.7					66			120		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
WMS-1a Meas																							
WMS-1a Cert																							
WMS-1a Meas																							
WMS-1a Cert																							
WMS-1a Meas																							
WMS-1a Cert																							
WMS-1a Meas																							
WMS-1a Cert																							
OREAS 13b (4-Acid) Meas				1.0		53						71	8960	2370							9		2140
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		57						71	8970	2370							9		2130
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
PK2 Meas	4940	6100	4860																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4760	5860	4840																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4650	5700	4690																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4760	5840	4640																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4920	6140	5000																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	5150	6190	5040																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4780	5950	4860																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4930	6100	4930																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
PK2 Cert	4785	5918	4749																				
OREAS 904 (4 Acid) Meas				0.8	6.65	102	210	8	6	0.05		93	57	6060	6.87	16	3.43	0.59	17	444	2	0.04	50
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				1.0	6.57	119	214	8	< 2	0.05		96	61	6290	7.05	17	3.50	0.60	17	473	2	0.04	49
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.19	22	189	< 1	< 2	0.20		31	473	376	14.5	22	0.42	0.25	22	511	< 1	0.10	251
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.45	61	191	< 1	< 2	0.20		31	535	381	14.6	23	0.43	0.25	22	527	1	0.10	251
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 96 (4 Acid) Meas				11.6					28			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.6					22			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.9	7.81	9	421	2	17	0.52	0.4	24	85	4480	6.75	20	2.29	1.81	32	1020	1	0.33	44
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				1.9	7.71	25	439	2	21	0.51	0.4	24	65	4460	6.76	19	2.66	1.80	32	1010	< 1	0.33	39
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				71.9	5.75	69		1	5	2.09	297	30	31	3630	3.79	25	2.25	0.50	15	577	14	1.37	34
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				71.6	5.61	98		1	3	2.07	294	30	33	3580	3.74	24	2.23	0.51	15	539	14	1.34	33
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1730	1640	237																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1710	221																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1650	239																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1660	228																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30	1960	1570	195																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Meas																							
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1870	1630	226																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1750	220																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1860	1570	207																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
OREAS 682 (FIRE ASSAY Ni-S) Meas																							
OREAS 682 (FIRE ASSAY Ni-S) Cert																							
OREAS 682 (FIRE ASSAY Ni-S) Meas																							
OREAS 682 (FIRE ASSAY Ni-S) Cert																							
OREAS 682 (FIRE ASSAY Ni-S) Meas																							
OREAS 682 (FIRE ASSAY Ni-S) Cert																							
OREAS 682 (FIRE ASSAY Ni-S) Meas																							
OREAS 682 (FIRE ASSAY Ni-S) Cert																							
OREAS 681 (4 Acid) Meas				< 0.3	7.77		410	1	< 2	5.64		46	1180	261	7.61	16	1.35	5.00	13	1210	1	1.60	464
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.81		412	1	< 2	5.67		47	1480	261	7.58	16	1.36	4.98	14	1240	1	1.60	474
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.5	6.46	3150	424	2	< 2	0.90	< 0.3	14	80	42	3.38	17	2.51	1.29	32	368	< 1	0.49	51
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					5.26	32	> 1000	31	8	1.19		7	57	302	3.28	23	1.71	0.58	2230	412	4	1.01	25
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.23	25	> 1000	31	9	1.20		7	59	297	3.27	24	1.70	0.58	2220	430	4	1.01	25
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Meas				1.2	4.70	210		< 1	7	3.73		361	41	5890	20.1	17	3.18	1.13	17	3020	106	0.96	70
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.65	298		< 1	5	3.72		363	39	5990	20.1	17	3.23	1.13	17	3030	133	0.95	74
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.76	134	192	< 1	< 2	2.87	0.4	74		48	5.49	7	0.60	12.7	33	1090	3	0.76	2020
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662232 Orig																							
662232 Dup																							
662235 Orig	63	492	126																				
662235 Dup	161	468	131																				
662239 Orig				0.8	6.80	16	269	< 1	< 2	5.64	0.7	78	85	1760	11.8	18	0.88	3.78	22	1440	< 1	1.63	274
662239 Dup				0.8	7.20	12	269	< 1	< 2	5.65	0.6	79	90	1760	11.9	19	0.90	3.81	22	1440	< 1	1.65	283
662245 Orig	70	113	50																				
662245 Dup	21	115	46																				
662248 Orig				0.8	6.92	13	165	< 1	< 2	6.49	1.1	71	94	1210	11.0	17	0.61	3.72	18	1440	< 1	1.63	214
662248 Dup				1.0	6.77	9	163	< 1	< 2	6.45	1.4	71	119	1190	10.9	17	0.61	3.68	18	1420	< 1	1.60	211
662255 Orig	26	151	66																				
662255 Dup	23	146	65																				
662259 Orig				< 0.3	7.51	7	343	< 1	< 2	5.69	< 0.3	57	70	169	10.1	17	1.10	4.37	29	1510	< 1	1.63	124
662259 Dup				< 0.3	6.94	4	337	< 1	< 2	5.67	< 0.3	57	65	164	9.88	17	1.07	4.27	29	1490	< 1	1.65	118
662261 Orig	4	59	22																				
662261 Dup	5	61	31																				
662263 Orig				< 0.3	6.99	3	323	< 1	< 2	6.20	< 0.3	57	61	141	9.81	17	1.05	3.95	24	1400	< 1	1.55	114
662263 Dup				< 0.3	7.15	9	322	< 1	< 2	6.16	< 0.3	59	71	135	9.83	16	1.05	3.90	24	1400	< 1	1.54	117
662264 Orig	< 2	26	19	< 0.3	7.30	6	321	< 1	< 2	6.21	< 0.3	55	59	109	9.66	16	1.00	3.85	23	1370	< 1	1.62	109
662264 Split PREP DUP	< 2	24	15	< 0.3	7.29	9	323	< 1	< 2	6.24	< 0.3	56	51	135	9.74	18	1.01	3.89	24	1350	< 1	1.61	112
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	3	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	< 1	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	9	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank																							

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Rh
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-MS
Oreas 72a (4 Acid) Meas				1.49												
Oreas 72a (4 Acid) Cert				1.74												
Oreas 72a (4 Acid) Meas				1.54												
Oreas 72a (4 Acid) Cert				1.74												
OREAS 101b (4 Acid) Meas	0.106	22						0.36		380	78		130			
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133			
OREAS 101b (4 Acid) Meas	0.115	22						0.36		390	78		132			
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133			
OREAS 98 (4 Acid) Meas		318	< 5	13.9										1320		
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360		
OREAS 98 (4 Acid) Meas		315	8	14.1										1320		
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360		
WMS-1a Meas																229
WMS-1a Cert																222
WMS-1a Meas																219
WMS-1a Cert																222
WMS-1a Meas																229
WMS-1a Cert																222
WMS-1a Meas																239
WMS-1a Cert																222
OREAS 13b (4-Acid) Meas				1.07										121		
OREAS 13b (4-Acid) Cert				1.2										133		
OREAS 13b (4-Acid) Meas				1.07										113		
OREAS 13b (4-Acid) Cert				1.2										133		
PK2 Meas																
PK2 Cert																
PK2 Meas																
PK2 Cert																
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Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Rh
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-MS
PK2 Cert																
OREAS 904 (4 Acid) Meas	0.103	9	< 5	0.06	11	30			< 5	< 10	82	< 5	34	29	124	
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171	
OREAS 904 (4 Acid) Meas	0.104	6	< 5	0.06	12	31			< 5	< 10	87	< 5	32	29	189	
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171	
OREAS 45d (4-Acid) Meas	0.035	21	< 5	0.04	53	34		0.24	< 5	< 10	119	< 5	12	46	74	
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141	
OREAS 45d (4-Acid) Meas	0.038	22	< 5	0.05	54	34		0.60	< 5	< 10	190	< 5	12	49	138	
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141	
OREAS 96 (4 Acid) Meas		97	< 5	3.96										456		
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457		
OREAS 96 (4 Acid) Meas		95	< 5	3.83										450		
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457		
OREAS 923 (4 Acid) Meas	0.068	93	< 5	0.68	13	48		0.43	< 5	< 10	97	11	27	361	130	
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	
OREAS 923 (4 Acid) Meas	0.065	90	< 5	0.67	13	46		0.42	< 5	< 10	96	10	27	376	131	
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	
OREAS 621 (4 Acid) Meas	0.037	> 5000	13	4.44	6	75		0.19	< 5	< 10	36	< 5	11	> 10000	153	
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168	
OREAS 621 (4 Acid) Meas	0.036	> 5000	15	4.38	5	64		0.18	< 5	< 10	34	< 5	10	> 10000	147	
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168	
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
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CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30																

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Rh
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-MS
Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
CDN-PGMS-30 Meas																
CDN-PGMS-30 Cert																
OREAS 682 (FIRE ASSAY Ni-S) Meas																58
OREAS 682 (FIRE ASSAY Ni-S) Cert																60
OREAS 682 (FIRE ASSAY Ni-S) Meas																63
OREAS 682 (FIRE ASSAY Ni-S) Cert																60
OREAS 682 (FIRE ASSAY Ni-S) Meas																60
OREAS 682 (FIRE ASSAY Ni-S) Cert																60
OREAS 682 (FIRE ASSAY Ni-S) Meas																61
OREAS 682 (FIRE ASSAY Ni-S) Cert																60
OREAS 681 (4 Acid) Meas	0.137	7	< 5	0.09	26	446		0.57		< 10	240	7	17	78	61	
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas	0.130	6	7	0.09	26	444		0.54		< 10	233	< 5	16	78	64	
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 247 (4 Acid) Meas	0.044	32	332	0.67	12	101		0.36	< 5	< 10	68	< 5	19	89	112	
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 147 (4 Acid) Meas	0.117	29	< 5	0.02	11	320		0.22	8	< 10	40		28	149	66	
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105	
OREAS 147 (4 Acid) Meas	0.117	29	7	0.03	11	318		0.23	8	< 10	42		28	152	72	
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105	

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Rh
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-MS
Oreas 521 (4 Acid) Meas	0.078	8	< 5	1.56	13	90	< 2	0.32	< 5	40	197	16	18	24	116	
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123	
Oreas 521 (4 Acid) Meas	0.079	5	< 5	1.54	13	93	< 2	0.42	< 5	40	209	94	18	24	117	
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123	
OREAS 70b (4 Acid) Meas	0.022	11	< 5	0.27	11	71		0.17	< 5	< 10	65	< 5	8	99	60	
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66	
662232 Orig																15
662232 Dup																14
662235 Orig																
662235 Dup																
662239 Orig	0.053	26	< 5	0.60	26	153	3	0.58	< 5	< 10	252	< 5	18	154	61	
662239 Dup	0.048	29	< 5	0.61	28	155	< 2	0.58	< 5	< 10	255	6	18	154	58	
662245 Orig																
662245 Dup																
662248 Orig	0.051	118	< 5	0.52	30	165	< 2	0.56	< 5	< 10	262	6	20	327	62	
662248 Dup	0.047	119	< 5	0.50	30	160	< 2	0.36	< 5	< 10	221	9	20	328	57	
662255 Orig																
662255 Dup																
662259 Orig	0.044	4	< 5	0.06	33	153	< 2	0.45	< 5	< 10	215	< 5	19	104	50	
662259 Dup	0.042	3	< 5	0.06	30	149	5	0.45	< 5	< 10	211	< 5	17	105	49	
662261 Orig																
662261 Dup																
662263 Orig	0.047	3	< 5	0.13	32	158	< 2	0.51	< 5	< 10	239	< 5	19	84	59	
662263 Dup	0.044	6	< 5	0.13	32	157	< 2	0.33	< 5	< 10	177	< 5	19	85	42	
662264 Orig	0.041	4	< 5	0.10	30	157	< 2	0.31	< 5	< 10	200	< 5	19	80	49	
662264 Split PREP DUP	0.047	3	< 5	0.10	31	160	< 2	0.50	< 5	< 10	235	5	19	79	55	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	8	
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Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Rh
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-MS
Method Blank																
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-11959**
Report Date: **29-Jul-21**
Date Submitted: **25-Jun-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

232 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-07-19 13:44:07
1F2	QOP Total (Total Digestion ICPOES)	2021-07-29 14:51:16

REPORT **A21-11959**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662265	11	14	19	< 0.3	7.77	17	69	< 1	3	5.80	< 0.3	52	39	166	8.41	16	0.23	3.97	12	1140	1	3.04	60
662266	< 2	9	9	< 0.3	8.95	< 3	197	< 1	< 2	5.64	< 0.3	45	49	45	7.59	18	0.61	3.80	24	977	< 1	2.68	96
662267	< 2	9	< 5	< 0.3	9.51	6	232	< 1	< 2	5.88	< 0.3	49	68	16	7.77	17	0.79	4.22	25	1050	< 1	2.13	145
662268	< 2	13	7	< 0.3	8.53	5	201	1	< 2	4.57	< 0.3	48	70	15	7.78	16	0.43	4.41	28	1020	< 1	2.27	170
662269	< 2	< 5	< 5	0.5	6.14	< 3	19	1	< 2	3.30	< 0.3	14	12	114	1.56	10	0.04	0.88	3	267	3	4.30	12
662270	118	1150	560	3.4	6.34	< 3	104	< 1	6	3.94	0.5	159	230	6510	13.2	14	0.60	3.92	12	1110	< 1	1.76	7920
662271	3	79	30	< 0.3	10.1	< 3	318	1	< 2	4.33	< 0.3	43	202	101	6.33	22	1.23	4.53	39	838	< 1	2.25	136
662272	83	689	179	0.9	5.69	4	167	< 1	< 2	5.71	< 0.3	74	509	1270	8.17	11	0.58	8.24	29	1290	< 1	0.93	413
662273	12	106	59	< 0.3	8.03	< 3	39	< 1	3	3.28	< 0.3	99	254	308	12.2	31	0.15	9.83	58	1510	< 1	0.24	243
662274	47	11	< 5	0.9	8.71	< 3	85	< 1	< 2	2.69	0.5	101	145	780	11.9	33	0.35	9.23	60	1500	< 1	0.29	168
662275	< 2	8	11	< 0.3	4.02	< 3	13	< 1	< 2	5.67	< 0.3	69	277	12	9.20	10	0.08	10.2	30	1680	< 1	0.16	199
662276	< 2	56	7	< 0.3	4.82	< 3	32	< 1	< 2	5.05	< 0.3	67	263	7	8.71	7	0.15	9.71	35	1570	< 1	0.27	196
662277	5	181	73	< 0.3	5.35	< 3	20	< 1	< 2	3.96	< 0.3	74	243	32	9.14	10	0.10	9.72	42	1550	< 1	0.25	217
662278	13	139	254	< 0.3	5.20	< 3	< 7	< 1	< 2	4.01	< 0.3	74	221	62	9.01	10	0.03	10.1	42	1570	< 1	0.20	285
662279	92	20	30	2.7	4.54	< 3	< 7	< 1	< 2	5.18	0.6	82	222	2550	9.24	10	0.03	10.5	32	1630	< 1	0.12	622
662280	< 2	< 5	< 5	< 0.3	0.06	< 3	886	< 1	< 2	19.7	< 0.3	< 1	3	10	0.11	< 1	0.03	12.4	20	554	< 1	0.05	4
662281	67	42	128	1.4	5.95	< 3	40	< 1	< 2	3.98	< 0.3	78	204	1580	9.10	13	0.18	9.45	41	1520	< 1	0.67	417
662282	41	105	324	< 0.3	5.59	< 3	55	< 1	< 2	4.90	< 0.3	67	183	375	8.50	13	0.22	8.88	34	1480	< 1	0.86	249
662283	< 2	9	9	< 0.3	8.56	< 3	142	< 1	< 2	5.29	< 0.3	55	122	30	7.73	15	0.52	6.98	34	1190	< 1	1.81	126
662284	< 2	9	41	< 0.3	7.18	3	92	< 1	< 2	4.97	< 0.3	63	163	26	8.62	15	0.36	8.23	35	1400	< 1	1.25	153
662285	< 2	225	72	< 0.3	8.97	< 3	142	< 1	< 2	5.33	< 0.3	52	113	31	7.22	16	0.52	6.59	33	1140	< 1	2.01	124
662286	< 2	< 5	< 5	< 0.3	8.94	28	136	< 1	< 2	5.27	20.8	46	199	32	6.45	17	0.49	5.96	30	1070	< 1	1.79	111
662287	< 2	< 5	6	< 0.3	6.81	< 3	57	< 1	< 2	4.68	< 0.3	61	200	18	8.22	12	0.22	8.19	33	1380	< 1	1.36	148
662288	23	79	32	0.6	8.61	< 3	170	< 1	< 2	3.90	< 0.3	56	104	840	7.62	14	0.49	6.68	35	1170	< 1	2.45	192
662289	33	28	25	0.9	8.68	< 3	159	< 1	4	3.71	< 0.3	58	134	1150	7.72	17	0.47	6.63	36	1170	< 1	2.41	213
662290	< 2	13	< 5	< 0.3	5.07	< 3	15	< 1	3	4.34	< 0.3	71	121	14	10.4	11	0.07	9.60	32	1630	< 1	0.31	162
662291	< 2	11	< 5	< 0.3	6.19	< 3	20	< 1	< 2	2.53	< 0.3	71	79	19	11.5	16	0.11	9.04	45	1470	< 1	0.10	151
662292	3	< 5	< 5	< 0.3	5.41	< 3	99	< 1	2	3.11	0.4	68	40	119	11.5	15	0.55	8.73	40	1450	< 1	0.09	81
662293	22	7	< 5	< 0.3	5.49	< 3	50	< 1	3	3.24	< 0.3	63	44	359	11.5	16	0.30	8.63	38	1420	< 1	0.09	81
662294	7	< 5	< 5	0.3	7.55	< 3	178	< 1	< 2	1.10	< 0.3	89	74	228	12.1	20	0.81	7.49	50	1260	< 1	0.50	105
662295	3	< 5	< 5	< 0.3	6.97	< 3	673	< 1	3	1.51	< 0.3	79	55	84	13.4	20	3.33	6.81	44	1200	< 1	0.50	88
662296	6	< 5	< 5	0.3	6.62	< 3	479	< 1	3	1.49	< 0.3	73	38	135	13.7	21	2.57	6.56	41	1140	< 1	0.26	87
662297	17	5	6	0.5	5.31	< 3	121	< 1	3	3.38	0.3	58	52	401	11.9	19	0.56	7.29	33	1290	< 1	0.35	97
662298	9	< 5	< 5	< 0.3	5.99	< 3	14	< 1	3	3.14	0.3	65	14	196	12.0	20	0.06	8.43	45	1430	< 1	0.08	46
662299	7	< 5	< 5	< 0.3	5.80	< 3	287	< 1	5	5.51	< 0.3	62	259	165	11.7	20	0.44	8.71	49	1530	< 1	0.15	170
662300	126	1220	620	3.6	6.88	< 3	75	< 1	6	4.06	0.5	173	267	6760	13.8	15	0.63	4.08	13	1190	< 1	1.86	8860
662301	23	< 5	< 5	< 0.3	8.17	5	212	< 1	6	3.04	< 0.3	70	122	374	12.6	23	0.50	8.36	57	1490	< 1	0.32	83
662302	9	8	7	< 0.3	6.17	< 3	11	< 1	3	3.24	< 0.3	70	82	32	10.7	14	0.03	8.61	35	1630	< 1	0.85	92
662303	17	13	15	< 0.3	5.97	< 3	22	< 1	< 2	3.32	< 0.3	67	93	24	9.71	11	0.05	7.81	31	1570	< 1	1.08	112
662304	57	28	58	< 0.3	7.37	< 3	85	< 1	< 2	3.21	< 0.3	62	52	106	10.1	17	0.16	6.66	29	1540	< 1	1.59	116
662305	4	41	39	< 0.3	9.26	< 3	199	< 1	< 2	3.17	< 0.3	53	140	79	8.60	15	0.94	6.65	62	1240	< 1	1.54	248
662306	34	214	55	0.4	10.9	< 3	243	< 1	< 2	5.72	< 0.3	56	56	869	6.61	14	1.28	4.94	59	920	< 1	1.81	365
662307	< 2	14	16	< 0.3	7.42	5	111	< 1	< 2	6.22	< 0.3	44	220	113	6.62	15	0.48	4.37	18	1080	2	2.15	126
662308	< 2	10	< 5	< 0.3	10.1	< 3	244	< 1	< 2	6.94	< 0.3	31	193	27	4.83	17	1.22	3.75	21	841	2	1.89	79
662309	< 2	12	6	< 0.3	9.69	< 3	221	< 1	< 2	7.02	< 0.3	33	178	34	5.20	15	1.11	4.00	25	914	< 1	2.03	83
662310	< 2	< 5	< 5	< 0.3	0.07	< 3	19	< 1	< 2	28.9	< 0.3	< 1	2	< 1	0.08	1	0.01	4.98	8	171	< 1	0.04	1
662311	< 2	11	6	< 0.3	8.67	< 3	180	< 1	< 2	7.45	< 0.3	37	143	63	5.50	17	0.88	4.43	18	940	< 1	1.62	97
662312	20	400	44	0.3	7.39	5	111	< 1	< 2	6.19	< 0.3	77	83	582	8.88	12	0.40	6.30	32	1300	< 1	1.03	347
662313	28	184	28	0.4	5.07	< 3	141	< 1	< 2	6.67	< 0.3	85	413	921	9.72	9	0.35	7.44	32	1560	< 1	0.55	414
662314	8	325	254	< 0.3	6.62	< 3	91	< 1	< 2	4.71	< 0.3	95	72	29	10.7	9	0.22	8.54	42	1520	< 1	0.66	474
662315	< 2	21	25	< 0.3	3.76	30	< 7	< 1	< 2	6.84	< 0.3	93	115	71	8.80	8	< 0.01	10.4	6	1410	< 1	0.04	632

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662316	134	57	39	< 0.3	6.40	10	17	< 1	< 2	5.09	< 0.3	97	115	406	10.9	13	0.07	8.61	40	1600	< 1	0.32	475
662317	3	61	32	< 0.3	7.82	< 3	125	< 1	< 2	5.34	< 0.3	76	53	72	8.31	13	0.49	6.78	47	1330	< 1	1.23	356
662318	17	340	123	< 0.3	6.93	< 3	51	< 1	< 2	5.31	< 0.3	84	69	93	8.99	9	0.22	8.18	41	1400	< 1	0.69	443
662319	75	739	328	0.9	5.55	< 3	13	< 1	< 2	5.35	0.4	120	126	1430	10.5	9	0.08	9.89	36	1560	< 1	0.27	869
662320	58	408	76	0.6	6.61	< 3	48	< 1	4	4.97	< 0.3	123	137	1100	9.86	10	0.22	8.88	37	1430	< 1	0.57	665
662321	57	567	115	0.7	6.92	< 3	51	< 1	< 2	4.83	0.5	129	198	1360	10.2	11	0.25	8.70	40	1440	< 1	0.63	753
662322	27	111	10	3.5	9.75	< 3	47	< 1	2	5.04	3.3	111	249	5510	7.71	16	0.42	5.89	51	928	< 1	1.70	410
662323	61	85	16	0.6	9.37	< 3	107	< 1	< 2	5.71	< 0.3	70	209	1240	6.61	15	0.54	5.38	32	958	< 1	1.75	336
662324	51	369	89	0.5	5.96	< 3	28	< 1	< 2	4.55	0.6	101	143	936	9.70	10	0.16	8.86	41	1420	< 1	0.56	569
662325	570	728	187	1.1	6.92	< 3	49	< 1	5	5.31	1.2	108	133	2650	9.69	14	0.19	7.49	34	1320	< 1	0.78	915
662326	180	391	84	0.6	9.07	4	66	< 1	5	5.91	< 0.3	67	138	1350	6.83	15	0.20	5.63	28	948	< 1	1.29	520
662327	108	185	57	0.5	8.49	3	43	< 1	< 2	6.06	< 0.3	62	184	1210	7.06	15	0.12	6.17	26	1020	< 1	1.13	499
662328	130	1010	422	0.8	8.37	10	32	< 1	< 2	5.80	0.6	88	104	1360	8.48	14	0.08	7.20	30	1100	3	0.82	792
662329	150	1080	385	0.6	12.0	4	150	< 1	< 2	7.61	0.4	54	80	1240	5.34	14	0.48	4.41	21	689	< 1	1.38	722
662330	< 2	< 5	< 5	< 0.3	0.07	5	225	< 1	< 2	27.2	< 0.3	< 1	4	9	0.11	2	0.01	6.28	8	189	< 1	0.05	4
662331	72	419	113	0.6	10.7	< 3	51	< 1	< 2	6.87	< 0.3	52	97	1130	5.99	13	0.15	5.08	25	763	< 1	1.43	516
662332	149	1030	326	0.7	11.9	6	49	< 1	3	6.58	0.4	67	37	1340	5.99	16	0.14	4.42	28	704	< 1	1.83	785
662333	175	878	236	1.4	12.7	< 3	49	< 1	5	8.18	0.5	96	26	2950	5.78	15	0.19	3.57	20	627	< 1	1.65	1310
662334	270	845	215	1.2	12.9	< 3	55	< 1	3	7.99	0.6	67	37	2410	5.19	16	0.22	3.81	21	618	< 1	1.70	846
662335	62	485	141	0.5	13.0	< 3	74	< 1	5	7.51	< 0.3	66	40	1060	5.04	14	0.32	4.44	31	620	< 1	1.52	581
662336	49	352	100	0.9	12.0	< 3	64	< 1	2	6.88	1.2	69	52	1710	5.69	13	0.25	4.71	30	698	< 1	1.51	521
662337	11	376	156	< 0.3	11.3	3	43	< 1	< 2	6.63	< 0.3	59	79	174	6.37	13	0.11	6.72	32	854	< 1	0.89	240
662338	27	230	60	4.0	10.0	< 3	45	< 1	9	6.84	2.0	119	49	7840	7.20	14	0.12	5.47	24	768	< 1	1.35	657
662339	77	458	135	0.8	10.4	< 3	41	< 1	< 2	7.08	0.4	81	42	1270	6.47	13	0.12	6.19	29	846	< 1	0.99	614
662340	< 2	< 5	< 5	< 0.3	0.11	< 3	65	< 1	< 2	26.8	< 0.3	< 1	4	9	0.13	2	0.01	7.00	5	219	< 1	0.05	3
662341	33	639	255	0.5	9.27	3	30	< 1	< 2	6.44	< 0.3	78	44	815	7.13	12	0.08	7.62	34	993	< 1	0.72	480
662342	18	130	59	< 0.3	9.04	3	32	< 1	< 2	6.37	< 0.3	77	41	375	6.77	12	0.09	7.63	32	969	< 1	0.85	371
662343	40	78	77	< 0.3	8.67	< 3	31	< 1	< 2	6.03	< 0.3	91	52	496	7.51	12	0.08	8.45	34	1030	< 1	0.64	579
662344	41	122	51	0.3	11.6	< 3	48	< 1	< 2	7.02	< 0.3	70	79	657	6.01	14	0.11	5.97	31	833	< 1	1.10	546
662345	71	208	118	0.7	10.4	54	54	< 1	< 2	6.86	0.5	66	173	1220	6.13	14	0.16	5.77	29	817	< 1	1.09	651
662346	54	164	56	0.7	9.52	9	45	< 1	4	6.96	0.4	76	202	1270	6.64	13	0.13	6.55	28	874	< 1	0.89	663
662347	7	175	62	< 0.3	11.8	6	61	< 1	< 2	7.72	< 0.3	51	133	124	5.61	16	0.18	5.15	24	769	< 1	1.30	262
662348	27	247	119	0.5	7.52	< 3	29	< 1	< 2	5.71	< 0.3	50	44	460	5.81	16	0.09	4.14	15	807	< 1	2.22	173
662349	31	203	110	0.3	7.02	< 3	41	< 1	< 2	6.70	< 0.3	56	119	527	7.59	15	0.10	5.30	16	1110	< 1	1.08	188
662350	17	292	173	0.3	6.93	< 3	38	< 1	3	6.71	< 0.3	57	133	414	7.83	15	0.10	5.51	17	1170	1	0.97	191
662351	88	219	77	1.0	8.33	< 3	75	< 1	4	5.49	0.5	73	169	1790	8.48	14	0.22	5.48	26	1120	< 1	0.96	781
662352	4	40	23	< 0.3	6.09	4	150	< 1	< 2	5.95	< 0.3	59	118	125	8.73	16	0.59	4.86	20	1150	1	0.55	116
662353	26	323	104	0.8	7.40	< 3	50	< 1	< 2	5.87	0.4	68	168	1240	7.44	12	0.14	6.57	22	1140	< 1	1.14	434
662354	54	476	157	1.2	8.42	9	52	< 1	2	5.46	0.8	72	211	1830	7.25	14	0.20	6.21	27	1030	1	1.39	589
662355	34	288	95	0.5	6.87	< 3	21	< 1	< 2	5.29	< 0.3	65	100	860	7.57	14	0.08	6.33	25	1090	< 1	1.69	373
662356	51	1320	672	0.4	5.85	< 3	25	< 1	< 2	5.30	< 0.3	67	187	746	7.78	10	0.12	7.05	21	1200	< 1	1.35	335
662357	133	488	137	1.8	8.28	< 3	46	< 1	< 2	4.11	0.8	85	195	2660	7.15	12	0.21	5.62	25	962	< 1	2.20	966
662358	5	67	30	< 0.3	6.73	< 3	38	< 1	< 2	5.35	< 0.3	59	413	73	7.41	12	0.16	7.28	27	1250	< 1	1.08	252
662359	87	3620	1130	0.7	6.24	< 3	26	< 1	3	4.44	< 0.3	69	524	1050	7.95	11	0.11	7.47	26	1360	< 1	1.13	524
662360	125	1260	602	3.5	6.09	< 3	105	< 1	4	3.87	0.6	156	246	6680	13.1	14	0.58	3.89	12	1140	< 1	1.75	8370
662361	53	568	360	0.9	5.14	< 3	< 7	< 1	2	4.33	0.6	78	319	1100	9.36	12	0.02	8.97	26	1610	< 1	0.52	792
662362	55	167	69	1.3	5.55	< 3	29	< 1	2	4.03	0.8	83	255	1500	9.27	9	0.13	8.19	28	1580	< 1	0.93	822
662363	27	92	29	0.7	7.46	5	108	< 1	< 2	2.91	< 0.3	136	150	1020	9.37	13	0.28	6.74	38	1370	< 1	1.78	468
662364	31	87	33	0.8	7.13	7	66	< 1	3	2.90	< 0.3	108	124	941	9.91	17	0.17	7.36	37	1500	3	1.36	363
662365	10	36	11	< 0.3	5.56	< 3	< 7	< 1	< 2	3.20	< 0.3	108	377	336	10.3	12	0.03	8.59	35	1660	< 1	0.40	295
662366	3	6	< 5	< 0.3	5.97	9	< 7	< 1	< 2	2.86	0.3	68	431	97	10.7	15	0.03	8.77	40	1700	3	0.31	196

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662367	7	121	95	< 0.3	5.56	< 3	< 7	< 1	2	3.31	< 0.3	84	145	160	11.5	14	0.02	8.51	38	1730	< 1	0.30	186
662368	28	17	11	0.9	11.2	< 3	351	< 1	< 2	4.66	< 0.3	63	98	1680	7.86	20	1.53	3.70	35	1060	< 1	2.15	281
662369	36	155	71	0.7	9.08	< 3	257	< 1	< 2	4.19	< 0.3	61	97	827	9.92	17	0.78	5.34	32	1410	< 1	1.92	356
662370	< 2	< 5	< 5	< 0.3	0.10	< 3	32	< 1	< 2	28.4	< 0.3	< 1	5	8	0.17	< 1	0.02	6.11	4	236	< 1	0.04	2
662371	8	9	< 5	< 0.3	8.49	< 3	360	< 1	5	4.25	< 0.3	58	39	299	11.9	24	1.48	4.82	45	1420	< 1	1.03	59
662372	< 2	< 5	< 5	< 0.3	7.10	6	117	< 1	7	4.14	< 0.3	46	32	15	12.5	20	0.49	6.84	60	1790	< 1	0.26	74
662373	< 2	< 5	< 5	< 0.3	4.26	40	> 1000	1	< 2	8.08	< 0.3	51	650	47	6.76	9	2.35	9.85	52	1210	< 1	0.23	380
662374	< 2	18	20	< 0.3	7.18	6	95	< 1	< 2	4.93	< 0.3	54	30	46	10.0	16	0.29	4.19	20	1500	< 1	2.82	75
662375	18	17	20	< 0.3	6.86	< 3	193	< 1	< 2	5.41	< 0.3	53	30	165	9.50	16	0.76	3.92	16	1360	< 1	2.52	76
662376	6	21	24	< 0.3	6.76	< 3	99	< 1	3	6.82	< 0.3	50	18	272	10.2	20	0.34	3.74	15	1410	< 1	2.03	62
662377	6	17	13	< 0.3	7.08	< 3	66	< 1	< 2	5.29	< 0.3	55	26	373	9.47	15	0.27	3.64	15	1390	< 1	2.85	67
662378	< 2	18	16	< 0.3	6.87	< 3	32	< 1	< 2	5.59	< 0.3	48	17	84	9.53	17	0.15	3.53	13	1370	< 1	2.86	69
662379	12	13	8	< 0.3	8.02	< 3	59	< 1	< 2	6.79	< 0.3	40	27	74	9.46	22	0.32	2.60	17	1110	< 1	1.71	48
662380	235	1290	636	3.2	6.58	< 3	99	< 1	2	3.97	0.6	167	282	6580	13.4	14	0.61	3.94	12	1140	< 1	1.78	8430
662381	8	< 5	< 5	0.3	5.90	< 3	52	< 1	< 2	6.26	< 0.3	17	17	40	4.90	16	0.27	1.02	3	515	1	1.81	18
662382	< 2	< 5	7	< 0.3	6.80	< 3	32	< 1	< 2	10.7	< 0.3	21	13	35	8.10	28	0.17	1.30	4	861	< 1	0.15	19
662383	< 2	< 5	< 5	< 0.3	5.34	< 3	21	< 1	< 2	6.01	< 0.3	13	30	36	4.31	16	0.09	0.45	3	416	1	1.04	7
662384	4	< 5	< 5	< 0.3	4.85	< 3	22	< 1	< 2	6.18	< 0.3	12	74	24	4.18	17	0.09	0.35	2	366	2	0.17	8
662385	< 2	< 5	< 5	< 0.3	5.56	< 3	18	< 1	< 2	8.41	< 0.3	13	24	58	6.15	24	0.07	0.65	3	636	< 1	0.14	10
662386	6	39	39	< 0.3	7.00	< 3	39	< 1	5	5.00	< 0.3	57	18	299	11.3	21	0.20	3.46	25	1400	< 1	1.47	60
662387	< 2	7	21	< 0.3	7.15	< 3	33	< 1	< 2	3.14	< 0.3	41	13	117	7.65	13	0.14	2.72	17	1020	< 1	3.30	45
662388	< 2	11	13	< 0.3	6.58	< 3	30	< 1	2	9.32	< 0.3	32	26	39	8.83	24	0.18	2.67	6	1080	< 1	1.06	40
662389	< 2	13	11	< 0.3	6.95	< 3	12	< 1	< 2	7.99	< 0.3	32	24	32	8.32	20	0.07	2.67	6	1070	< 1	2.26	49
662390	< 2	< 5	< 5	< 0.3	0.18	< 3	51	< 1	< 2	26.1	< 0.3	< 1	3	2	0.11	1	0.08	7.30	5	240	< 1	0.09	2
662391	5	12	16	< 0.3	5.79	< 3	10	< 1	< 2	10.1	< 0.3	26	27	52	8.46	22	0.05	2.16	3	1080	< 1	0.24	37
662392	< 2	14	16	< 0.3	6.58	5	19	< 1	3	5.82	< 0.3	61	27	119	8.86	15	0.09	3.27	9	1210	< 1	2.57	84
662393	< 2	13	14	< 0.3	7.29	< 3	22	< 1	< 2	4.99	< 0.3	46	26	58	8.84	16	0.09	3.54	13	1230	< 1	3.20	61
662394	< 2	13	14	< 0.3	7.40	< 3	19	< 1	< 2	5.01	< 0.3	42	25	51	8.22	16	0.08	3.35	13	1140	< 1	3.28	63
662395	< 2	26	17	< 0.3	7.61	< 3	44	< 1	< 2	6.87	< 0.3	49	97	27	9.85	19	0.20	3.76	20	1240	< 1	1.96	94
662396	< 2	11	6	< 0.3	9.10	< 3	74	< 1	< 2	10.2	< 0.3	26	131	17	7.22	23	0.19	2.36	7	951	< 1	1.80	68
662397	< 2	18	6	< 0.3	8.76	< 3	59	< 1	< 2	5.85	< 0.3	48	182	24	7.90	12	0.16	4.41	22	1220	< 1	2.62	148
662398	9	118	29	< 0.3	10.5	< 3	108	< 1	< 2	5.70	< 0.3	58	143	729	8.91	13	0.23	4.91	36	1260	< 1	1.98	233
662399	7	226	83	< 0.3	8.15	< 3	80	< 1	< 2	4.54	< 0.3	86	85	205	10.5	15	0.27	7.05	44	1560	< 1	1.08	347
662400	27	466	111	< 0.3	8.68	7	141	< 1	< 2	5.58	< 0.3	69	104	467	7.90	13	0.72	5.88	36	1260	< 1	1.40	346
662401	< 2	31	39	< 0.3	7.51	< 3	111	< 1	< 2	5.64	< 0.3	69	176	58	8.26	14	0.49	7.56	41	1400	< 1	1.11	235
662402	8	53	146	< 0.3	5.52	< 3	37	< 1	< 2	5.97	< 0.3	95	207	139	9.40	11	0.16	8.35	31	1670	< 1	0.96	516
662403	19	425	272	< 0.3	7.08	46	37	< 1	< 2	5.05	0.4	106	57	464	9.85	13	0.18	7.81	38	1680	< 1	1.19	718
662404	18	348	212	< 0.3	8.10	7	62	< 1	< 2	4.34	< 0.3	86	104	211	9.62	13	0.26	7.13	40	1520	< 1	1.47	448
662405	116	1140	435	1.3	8.37	5	92	< 1	2	4.34	1.0	91	109	3070	8.34	14	0.40	6.15	35	1220	< 1	1.65	770
662406	107	1020	388	1.1	8.09	5	78	< 1	< 2	4.17	0.5	85	89	2470	8.98	12	0.37	6.65	37	1330	< 1	1.53	757
662407	76	482	94	1.2	5.33	< 3	27	< 1	3	4.83	1.0	107	315	2580	9.48	11	0.18	8.92	35	1500	< 1	0.76	702
662408	40	204	57	0.8	5.78	< 3	58	< 1	2	4.13	1.5	89	315	1220	9.53	11	0.28	8.99	39	1490	< 1	0.58	373
662409	21	133	42	0.6	7.63	3	180	< 1	2	5.49	0.6	59	142	709	7.82	16	0.62	4.73	24	1130	2	1.76	208
662410	145	1230	615	3.3	6.60	< 3	105	< 1	5	3.98	0.5	173	252	6590	13.5	14	0.62	3.99	13	1140	< 1	1.81	8690
662411	13	75	15	< 0.3	8.12	< 3	179	< 1	< 2	6.53	< 0.3	50	164	586	7.29	14	0.71	4.95	23	1200	< 1	1.45	183
662412	28	204	50	0.6	5.12	6	53	< 1	< 2	5.60	< 0.3	83	211	1010	8.29	9	0.21	8.95	28	1570	< 1	0.59	270
662413	8	58	28	< 0.3	9.96	< 3	103	< 1	< 2	5.15	< 0.3	52	160	413	6.44	16	0.34	5.81	36	1070	< 1	1.71	174
662414	35	220	57	0.6	7.37	< 3	160	< 1	3	4.95	< 0.3	63	150	1130	7.90	17	0.59	5.45	28	1210	< 1	1.52	271
662415	19	74	49	0.4	7.29	< 3	279	< 1	3	5.77	< 0.3	49	58	591	9.43	18	1.24	3.67	21	1220	< 1	1.23	119
662416	10	138	90	< 0.3	6.74	< 3	285	< 1	2	5.39	< 0.3	58	86	227	10.3	15	1.54	4.78	29	1400	< 1	0.76	140
662417	3	42	22	< 0.3	8.70	< 3	198	< 1	< 2	6.59	< 0.3	46	236	115	7.15	16	0.80	4.77	21	1190	5	1.42	126

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662418	32	266	165	< 0.3	7.77	6	182	< 1	< 2	6.19	< 0.3	53	88	765	8.11	16	0.74	5.29	23	1340	< 1	1.28	205
662419	36	141	132	0.4	7.81	< 3	133	< 1	4	6.02	< 0.3	58	137	1050	7.90	12	0.50	5.83	24	1360	< 1	1.27	318
662420	< 2	< 5	6	< 0.3	0.09	< 3	27	< 1	< 2	28.5	< 0.3	< 1	2	5	0.13	1	0.01	6.03	9	222	< 1	0.03	2
662421	72	46	96	0.8	8.26	< 3	105	< 1	< 2	5.67	< 0.3	73	101	2370	7.87	13	0.42	5.80	29	1310	< 1	1.58	476
662422	34	< 5	16	0.5	9.02	< 3	180	< 1	5	5.64	< 0.3	62	156	1080	7.32	15	0.53	5.29	29	1210	< 1	1.74	443
662423	18	32	45	0.4	7.14	< 3	175	< 1	2	5.90	< 0.3	61	52	618	8.32	16	0.64	4.26	18	1210	< 1	1.81	111
662424	45	32	23	1.0	5.70	< 3	67	< 1	3	5.57	0.4	89	150	1860	10.7	14	0.29	7.26	26	1630	< 1	0.83	387
662425	18	206	112	< 0.3	7.06	< 3	67	< 1	< 2	5.35	< 0.3	95	241	584	9.55	15	0.30	7.08	29	1480	< 1	1.04	319
662426	21	73	35	0.5	10.0	< 3	73	< 1	< 2	6.17	< 0.3	73	114	1010	8.05	14	0.33	4.93	25	1100	< 1	1.78	306
662427	27	227	82	0.5	7.93	< 3	59	< 1	2	5.04	< 0.3	74	148	986	8.35	14	0.27	5.42	28	1210	< 1	1.77	300
662428	17	80	51	0.5	8.58	< 3	121	< 1	< 2	6.01	0.7	52	97	486	7.30	17	0.42	4.93	26	1170	< 1	1.57	165
662429	48	208	82	0.6	7.20	7	100	< 1	3	5.18	< 0.3	63	123	975	8.23	15	0.30	5.80	27	1340	2	1.23	253
662430	27	78	40	< 0.3	7.69	< 3	114	< 1	< 2	5.29	< 0.3	57	117	535	8.12	18	0.35	5.65	28	1310	< 1	1.23	174
662431	33	141	61	0.5	11.5	43	150	< 1	3	6.77	< 0.3	43	68	1020	5.01	20	0.69	3.19	23	734	< 1	2.06	269
662432	39	317	93	0.6	9.59	13	90	< 1	4	6.41	< 0.3	58	108	1000	7.03	16	0.30	4.71	23	1080	< 1	1.73	401
662433	25	180	53	0.3	11.1	< 3	124	< 1	< 2	6.46	< 0.3	43	67	659	5.75	18	0.48	3.51	20	837	< 1	2.04	234
662434	32	166	55	0.7	10.8	< 3	135	< 1	< 2	6.32	0.3	50	71	1300	6.48	18	0.54	3.76	22	904	< 1	2.01	311
662435	33	211	76	0.6	8.93	3	107	< 1	3	5.41	< 0.3	66	104	1170	7.57	16	0.36	5.00	27	1140	< 1	1.77	329
662436	32	75	39	0.7	7.55	< 3	104	< 1	2	5.21	< 0.3	76	123	1230	8.73	14	0.32	5.76	25	1390	< 1	1.54	375
662437	19	13	10	0.6	9.09	< 3	132	< 1	< 2	5.48	< 0.3	69	109	1070	7.12	16	0.41	4.37	22	1040	< 1	2.04	246
662438	33	119	81	0.8	8.75	< 3	143	< 1	5	4.98	0.3	65	108	1130	7.89	16	0.43	4.83	28	1140	< 1	2.04	336
662439	74	492	217	1.2	6.94	< 3	114	< 1	3	5.39	< 0.3	76	141	1950	9.20	14	0.31	6.14	25	1450	< 1	1.35	402
662440	133	1310	614	3.5	6.62	< 3	97	< 1	5	3.95	0.4	162	192	6760	13.6	14	0.62	4.03	13	1170	1	1.82	8090
662441	5	51	77	< 0.3	6.77	3	76	< 1	< 2	5.19	< 0.3	60	83	175	8.96	16	0.23	6.25	26	1450	< 1	1.46	153
662442	21	44	64	0.4	6.79	3	74	< 1	< 2	4.17	< 0.3	70	76	722	8.78	13	0.22	6.36	28	1460	2	1.37	166
662443	10	< 5	9	0.4	7.53	< 3	149	< 1	2	5.13	< 0.3	60	49	515	7.87	17	0.45	4.55	21	1240	< 1	2.00	125
662444	37	12	46	0.7	5.70	< 3	81	< 1	< 2	4.81	< 0.3	72	95	1030	9.47	9	0.29	7.73	31	1620	< 1	0.75	259
662445	48	16	48	1.0	7.17	4	76	< 1	< 2	5.13	< 0.3	77	90	1730	9.21	15	0.23	5.46	23	1450	< 1	1.59	247
662446	12	18	64	0.3	6.63	< 3	36	< 1	< 2	6.09	0.6	60	120	464	9.45	15	0.13	5.62	21	1510	< 1	0.83	155
662447	12	20	22	< 0.3	7.06	< 3	104	< 1	< 2	4.86	< 0.3	63	117	396	9.10	12	0.36	6.29	29	1510	< 1	1.41	224
662448	3	83	65	1.2	7.17	< 3	142	< 1	< 2	4.20	< 0.3	57	59	168	8.84	12	0.66	5.63	33	1410	< 1	1.69	150
662449	< 2	38	50	< 0.3	7.15	< 3	207	< 1	< 2	5.61	< 0.3	53	63	102	8.79	15	0.75	5.66	30	1460	< 1	1.46	120
662450	< 2	< 5	< 5	< 0.3	0.07	< 3	22	< 1	< 2	27.3	< 0.3	< 1	4	2	0.12	1	< 0.01	6.62	5	292	< 1	0.04	5
662451	< 2	35	32	< 0.3	7.08	< 3	43	< 1	< 2	3.57	< 0.3	80	144	95	11.5	17	0.19	8.37	67	1620	< 1	0.71	384
662452	< 2	18	31	< 0.3	7.84	< 3	25	< 1	< 2	4.89	< 0.3	74	92	39	9.88	15	0.13	7.13	47	1550	3	1.49	337
662453	< 2	36	62	< 0.3	8.89	< 3	170	< 1	< 2	6.03	< 0.3	53	122	86	7.86	14	0.65	5.36	44	1240	< 1	1.53	215
662454	< 2	57	14	< 0.3	8.61	< 3	288	< 1	< 2	5.38	< 0.3	53	88	72	7.14	14	1.42	5.14	48	1100	< 1	1.53	211
662455	< 2	23	12	< 0.3	7.65	< 3	188	< 1	< 2	5.31	< 0.3	69	134	31	8.86	12	0.69	6.61	38	1550	< 1	1.40	237
662456	< 2	7	16	< 0.3	7.36	< 3	151	< 1	< 2	5.57	< 0.3	81	98	48	10.0	13	0.54	7.20	41	1590	< 1	1.12	309
662457	< 2	< 5	8	< 0.3	9.06	3	176	< 1	< 2	6.60	< 0.3	48	65	47	6.20	12	0.77	4.45	27	1070	< 1	1.96	158
662458	2	7	16	< 0.3	11.2	< 3	157	< 1	< 2	7.35	< 0.3	32	66	75	4.92	18	0.73	3.37	14	836	< 1	2.23	81
662459	< 2	7	10	< 0.3	11.6	< 3	167	< 1	< 2	7.99	< 0.3	29	70	66	4.58	18	0.70	3.27	16	804	< 1	2.36	79
662460	< 2	7	11	< 0.3	11.4	< 3	166	< 1	< 2	8.16	< 0.3	29	76	54	4.63	19	0.68	3.30	15	808	< 1	2.26	79
662461	< 2	7	7	< 0.3	11.1	36	122	< 1	< 2	8.01	< 0.3	32	91	98	4.96	16	0.38	3.61	12	858	< 1	2.09	85
662462	< 2	6	7	< 0.3	10.7	9	105	< 1	< 2	8.52	< 0.3	31	78	64	4.86	16	0.30	3.63	13	859	< 1	2.03	82
662463	< 2	7	7	< 0.3	11.0	< 3	147	< 1	< 2	8.14	< 0.3	30	64	67	4.72	18	0.43	3.51	14	840	< 1	2.07	79
662464	< 2	6	7	< 0.3	10.3	< 3	125	< 1	< 2	7.94	< 0.3	33	81	53	5.22	18	0.35	4.08	12	931	< 1	1.96	90
662465	< 2	29	20	< 0.3	8.06	9	84	< 1	< 2	6.89	< 0.3	55	101	113	8.07	16	0.18	5.03	22	1290	< 1	1.54	147
662466	3	116	51	< 0.3	8.91	4	100	< 1	< 2	6.97	< 0.3	50	131	126	6.79	18	0.26	4.52	24	1070	< 1	1.62	146
662467	< 2	67	10	< 0.3	13.0	< 3	180	< 1	< 2	7.37	< 0.3	27	47	58	4.79	18	0.47	2.89	17	764	< 1	2.35	68
662468	< 2	26	11	< 0.3	10.6	< 3	119	< 1	< 2	7.54	< 0.3	33	32	44	5.43	18	0.31	3.32	24	856	< 1	2.20	86

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662469	< 2	22	9	< 0.3	11.1	< 3	158	< 1	< 2	6.96	< 0.3	36	62	30	5.50	17	0.42	3.77	29	892	3	1.77	113
662470	195	1200	584	3.5	6.45	5	98	< 1	5	3.90	0.4	157	224	6500	13.2	14	0.60	3.95	12	1150	3	1.80	7680
662471	4	213	73	< 0.3	11.3	< 3	144	< 1	< 2	6.82	< 0.3	40	44	86	5.82	16	0.37	3.93	24	940	< 1	2.27	156
662472	8	242	86	< 0.3	9.65	3	93	< 1	< 2	6.65	< 0.3	47	66	197	6.27	13	0.24	4.44	27	1010	< 1	1.81	204
662473	< 2	13	7	< 0.3	8.89	< 3	108	< 1	< 2	6.22	< 0.3	47	307	20	6.92	14	0.28	5.09	27	1180	< 1	1.95	158
662474	< 2	108	69	< 0.3	10.3	< 3	116	< 1	< 2	6.93	< 0.3	46	267	48	6.46	13	0.29	4.60	24	1070	< 1	1.76	177
662475	4	99	32	< 0.3	8.28	< 3	69	< 1	< 2	6.66	< 0.3	47	114	84	6.48	14	0.19	4.00	26	1100	< 1	1.23	136
662476	9	348	78	< 0.3	8.52	< 3	20	< 1	< 2	5.58	< 0.3	71	71	274	10.8	17	0.06	5.21	40	1350	< 1	0.21	367
662477	48	1000	260	1.4	11.9	< 3	67	< 1	5	7.93	1.0	76	54	2200	6.35	18	0.22	3.65	27	870	< 1	2.05	769
662478	22	357	91	0.6	12.0	9	39	< 1	< 2	5.71	0.6	62	41	889	7.34	16	0.13	5.32	34	1060	< 1	1.56	435
662479	6	99	41	< 0.3	11.3	< 3	46	< 1	< 2	6.35	< 0.3	61	42	278	7.67	16	0.18	6.07	34	1190	< 1	1.01	433
662480	< 2	< 5	< 5	< 0.3	0.09	4	34	< 1	< 2	29.1	< 0.3	< 1	3	3	0.10	1	< 0.01	5.27	3	139	< 1	0.04	4
662481	44	362	172	0.9	10.3	3	48	< 1	2	6.27	0.6	83	82	1530	7.70	13	0.14	6.31	29	1160	2	0.97	845
662482	106	469	143	1.8	11.7	< 3	126	< 1	< 2	7.46	0.7	79	53	1940	6.27	15	0.31	5.37	25	923	< 1	1.24	747
662483	28	301	78	0.4	10.0	< 3	73	< 1	< 2	5.45	0.6	67	54	783	8.26	14	0.18	6.11	29	1210	< 1	1.11	605
662484	11	111	68	< 0.3	9.53	< 3	29	< 1	< 2	3.60	< 0.3	86	39	315	10.8	10	0.06	7.59	41	1470	< 1	1.07	417
662485	31	230	122	0.5	9.51	< 3	28	< 1	< 2	5.18	< 0.3	102	55	942	9.14	14	0.08	8.24	46	1380	< 1	0.72	545
662486	4	235	188	< 0.3	8.61	< 3	31	< 1	< 2	4.96	< 0.3	101	100	88	8.95	13	0.09	9.47	43	1420	< 1	0.54	368
662487	21	283	129	< 0.3	9.46	< 3	81	< 1	< 2	6.23	< 0.3	82	104	451	7.20	13	0.21	7.38	35	1110	< 1	0.96	428
662488	131	593	134	1.7	10.4	6	83	< 1	< 2	6.89	1.1	111	134	3230	7.50	15	0.24	5.72	29	954	3	1.16	1130
662489	25	297	128	0.3	8.66	20	52	< 1	< 2	6.30	< 0.3	82	475	629	8.14	14	0.13	7.84	32	1170	< 1	0.73	463
662490	70	472	314	0.5	5.43	6	17	< 1	< 2	5.32	< 0.3	95	534	906	9.22	7	0.06	9.78	30	1420	< 1	0.31	550
662491	19	122	64	< 0.3	7.61	< 3	65	< 1	< 2	5.17	< 0.3	62	476	595	7.28	13	0.17	7.64	30	1340	< 1	0.87	311
662492	22	128	63	0.5	7.91	< 3	96	< 1	< 2	5.08	< 0.3	58	386	951	6.61	10	0.24	6.51	26	1190	< 1	1.31	534
662493	46	149	76	0.5	7.38	< 3	78	< 1	< 2	5.07	< 0.3	59	497	1250	6.95	13	0.20	6.91	27	1280	< 1	1.12	510
662494	40	156	44	0.7	7.53	< 3	114	< 1	< 2	4.98	0.7	64	406	1450	6.75	13	0.34	6.47	26	1230	< 1	1.28	706
662495	26	94	29	0.4	5.92	< 3	68	< 1	< 2	3.90	< 0.3	68	305	878	8.26	11	0.20	7.98	29	1420	< 1	0.90	471
662496	< 2	13	9	< 0.3	4.01	< 3	< 7	< 1	< 2	4.93	< 0.3	61	222	113	8.87	11	0.02	9.65	27	1600	< 1	0.07	125

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662265	0.043	< 3	< 5	0.08	41	140	8	0.42	< 5	10	233	9	18	89	65
662266	0.024	< 3	< 5	0.02	25	236	8	0.24	< 5	< 10	161	< 5	12	96	38
662267	0.027	< 3	< 5	< 0.01	27	226	7	0.21	< 5	< 10	124	< 5	12	99	38
662268	0.020	< 3	< 5	< 0.01	21	170	< 2	0.21	< 5	< 10	110	< 5	15	107	59
662269	0.029	12	< 5	0.10	5	58	5	0.21	< 5	20	21	< 5	36	61	168
662270	0.059	39	< 5	3.18	11	254	7	0.30	< 5	< 10	84	< 5	11	115	58
662271	0.014	9	< 5	0.02	17	223	3	0.16	< 5	< 10	77	< 5	11	125	35
662272	0.019	37	< 5	0.19	36	71	2	0.19	< 5	< 10	136	7	8	189	37
662273	0.005	< 3	< 5	0.04	27	40	3	0.19	< 5	< 10	279	< 5	3	219	15
662274	0.008	< 3	< 5	0.10	25	77	6	0.21	< 5	< 10	312	< 5	3	297	16
662275	0.010	< 3	< 5	< 0.01	37	8	< 2	0.18	< 5	10	146	< 5	6	175	23
662276	0.005	< 3	< 5	< 0.01	32	25	< 2	0.13	< 5	10	116	< 5	4	179	13
662277	0.008	< 3	< 5	< 0.01	32	18	2	0.12	< 5	< 10	113	< 5	4	217	16
662278	0.003	< 3	6	< 0.01	30	8	< 2	0.09	< 5	< 10	99	< 5	2	227	9
662279	0.005	< 3	< 5	0.33	36	6	< 2	0.12	< 5	< 10	113	< 5	3	317	11
662280	0.004	< 3	< 5	0.02	< 4	123	< 2	< 0.01	< 5	20	3	< 5	< 1	26	< 5
662281	0.005	< 3	< 5	0.21	30	45	< 2	0.12	< 5	< 10	107	< 5	3	314	11
662282	0.011	< 3	< 5	0.05	33	76	< 2	0.19	< 5	< 10	156	< 5	6	247	20
662283	0.010	< 3	< 5	< 0.01	29	223	< 2	0.18	< 5	< 10	117	< 5	6	211	19
662284	0.009	< 3	< 5	< 0.01	33	145	< 2	0.16	< 5	< 10	119	< 5	5	254	18
662285	0.010	< 3	< 5	< 0.01	27	258	< 2	0.14	< 5	< 10	105	< 5	5	226	15
662286	0.009	< 3	< 5	< 0.01	26	259	< 2	0.13	< 5	< 10	89	< 5	4	224	14
662287	0.005	< 3	< 5	< 0.01	33	141	< 2	0.12	< 5	< 10	97	< 5	3	310	11
662288	0.007	< 3	< 5	0.10	28	265	7	0.13	< 5	< 10	88	< 5	3	334	13
662289	0.006	< 3	< 5	0.14	26	259	5	0.12	< 5	< 10	88	< 5	3	353	11
662290	0.003	< 3	< 5	< 0.01	43	16	< 2	0.12	< 5	< 10	114	< 5	3	432	10
662291	0.004	< 3	< 5	< 0.01	40	6	< 2	0.14	< 5	< 10	172	< 5	3	493	10
662292	0.004	< 3	< 5	0.02	57	6	3	0.25	< 5	< 10	311	< 5	3	482	13
662293	0.006	< 3	< 5	0.04	51	6	2	0.41	< 5	< 10	412	5	3	482	15
662294	0.002	< 3	< 5	0.22	38	46	< 2	0.22	< 5	< 10	291	< 5	1	564	8
662295	0.003	< 3	< 5	0.16	46	35	7	0.53	< 5	< 10	436	< 5	2	546	8
662296	0.003	< 3	< 5	0.19	44	15	8	0.51	< 5	< 10	535	< 5	4	507	16
662297	0.015	< 3	< 5	0.09	53	21	17	0.44	< 5	< 10	507	< 5	11	498	37
662298	0.006	< 3	< 5	0.05	53	11	9	0.53	< 5	< 10	397	< 5	5	510	16
662299	0.046	< 3	< 5	0.05	42	177	7	0.66	< 5	10	341	< 5	7	411	38
662300	0.060	51	< 5	3.45	12	287	5	0.34	< 5	< 10	86	< 5	11	117	61
662301	0.028	< 3	< 5	0.08	46	139	18	0.87	< 5	< 10	311	7	7	545	30
662302	0.005	< 3	< 5	< 0.01	33	38	3	0.15	< 5	< 10	116	< 5	4	450	13
662303	0.008	< 3	< 5	< 0.01	33	59	< 2	0.16	< 5	< 10	113	< 5	5	414	19
662304	0.015	< 3	< 5	0.01	28	128	< 2	0.29	< 5	< 10	176	< 5	10	407	28
662305	0.008	< 3	< 5	0.02	14	154	< 2	0.11	< 5	< 10	78	< 5	4	230	14
662306	0.011	< 3	< 5	0.17	14	262	6	0.11	< 5	< 10	69	< 5	6	129	14
662307	0.029	< 3	< 5	0.02	31	164	7	0.25	< 5	< 10	155	< 5	22	64	41
662308	0.016	< 3	< 5	< 0.01	26	272	5	0.18	< 5	< 10	125	< 5	7	53	22
662309	0.013	< 3	< 5	< 0.01	27	280	< 2	0.19	< 5	< 10	142	< 5	7	51	22
662310	0.004	< 3	< 5	< 0.01	< 4	95	< 2	< 0.01	< 5	20	< 2	< 5	1	10	< 5
662311	0.017	< 3	< 5	< 0.01	33	240	9	0.18	< 5	10	150	< 5	8	52	25
662312	0.012	< 3	< 5	0.09	21	145	6	0.14	< 5	< 10	105	< 5	6	91	19
662313	0.015	< 3	< 5	0.14	39	101	10	0.22	< 5	< 10	167	< 5	11	103	27
662314	0.017	< 3	< 5	0.01	17	71	21	0.17	< 5	< 10	88	< 5	6	112	24
662315	0.012	< 3	< 5	0.13	16	8	6	0.14	< 5	10	70	< 5	4	88	21

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662316	0.013	< 3	< 5	0.06	14	102	15	0.13	< 5	< 10	72	< 5	6	117	21
662317	0.036	< 3	< 5	0.01	15	140	4	0.23	< 5	< 10	104	< 5	12	98	40
662318	0.015	< 3	< 5	0.06	14	97	10	0.15	< 5	< 10	79	< 5	6	103	20
662319	0.013	< 3	< 5	0.44	15	37	4	0.13	< 5	< 10	80	< 5	5	132	21
662320	0.010	< 3	< 5	0.44	15	85	< 2	0.10	< 5	< 10	72	< 5	4	118	17
662321	0.011	< 3	< 5	0.49	15	99	< 2	0.12	< 5	< 10	76	< 5	4	123	18
662322	0.010	176	< 5	0.83	18	208	< 2	0.11	< 5	< 10	81	9	4	781	10
662323	0.011	< 3	< 5	0.33	15	249	3	0.13	< 5	< 10	78	< 5	4	93	18
662324	0.020	< 3	< 5	0.15	18	50	< 2	0.18	< 5	< 10	99	< 5	7	118	32
662325	0.017	< 3	< 5	0.42	20	112	< 2	0.17	< 5	10	106	< 5	6	121	24
662326	0.010	< 3	< 5	0.24	16	174	5	0.13	< 5	< 10	77	< 5	4	89	14
662327	0.010	< 3	< 5	0.21	20	153	< 2	0.12	< 5	< 10	91	< 5	4	94	13
662328	0.007	< 3	< 5	0.36	13	133	8	0.08	< 5	< 10	57	< 5	3	109	12
662329	0.008	3	< 5	0.32	9	273	5	0.09	< 5	< 10	45	< 5	3	73	10
662330	0.004	< 3	< 5	0.01	< 4	96	< 2	< 0.01	< 5	20	< 2	< 5	< 1	8	< 5
662331	0.014	< 3	< 5	0.28	11	204	< 2	0.14	< 5	< 10	57	< 5	5	83	19
662332	0.010	< 3	< 5	0.40	8	234	5	0.10	< 5	< 10	47	< 5	3	90	14
662333	0.007	< 3	< 5	0.91	5	294	< 2	0.06	< 5	< 10	31	< 5	2	86	9
662334	0.007	< 3	< 5	0.60	8	281	11	0.08	< 5	10	41	< 5	3	84	9
662335	0.006	< 3	< 5	0.38	6	306	< 2	0.06	< 5	10	32	< 5	2	65	8
662336	0.005	< 3	< 5	0.44	5	290	< 2	0.05	< 5	10	27	< 5	2	88	7
662337	0.004	< 3	< 5	0.04	6	196	< 2	0.04	< 5	10	25	5	1	73	7
662338	0.021	3	< 5	1.43	9	218	< 2	0.15	< 5	< 10	66	< 5	6	146	28
662339	0.006	< 3	< 5	0.40	6	213	< 2	0.05	< 5	10	32	< 5	2	74	9
662340	0.004	< 3	< 5	0.02	< 4	88	< 2	< 0.01	< 5	30	< 2	< 5	< 1	21	< 5
662341	0.005	< 3	< 5	0.21	7	159	10	0.04	< 5	< 10	32	< 5	1	80	7
662342	0.013	< 3	< 5	0.12	10	150	9	0.10	< 5	10	49	< 5	4	77	19
662343	0.005	< 3	< 5	0.17	7	142	9	0.05	< 5	10	30	< 5	1	87	8
662344	0.005	< 3	< 5	0.19	7	228	4	0.05	< 5	10	32	< 5	2	73	8
662345	0.005	< 3	< 5	0.28	6	218	4	0.05	< 5	< 10	30	< 5	1	79	7
662346	0.005	< 3	< 5	0.29	8	185	< 2	0.06	< 5	< 10	43	< 5	2	85	8
662347	0.006	< 3	< 5	0.04	9	245	< 2	0.07	< 5	< 10	46	< 5	3	66	11
662348	0.094	< 3	< 5	0.15	17	156	13	0.39	< 5	10	80	< 5	37	61	120
662349	0.031	< 3	< 5	0.16	28	208	13	0.45	< 5	10	247	< 5	16	74	43
662350	0.027	< 3	7	0.15	30	202	< 2	0.54	< 5	10	301	< 5	16	76	40
662351	0.015	< 3	< 5	0.39	18	188	6	0.19	< 5	< 10	101	< 5	7	108	23
662352	0.042	3	< 5	0.13	31	221	14	0.43	< 5	< 10	210	< 5	20	85	55
662353	0.015	< 3	< 5	0.20	22	136	6	0.17	< 5	< 10	107	< 5	8	114	23
662354	0.007	< 3	< 5	0.28	17	166	< 2	0.07	< 5	< 10	67	8	4	134	13
662355	0.030	< 3	< 5	0.15	23	106	15	0.38	< 5	10	174	5	15	121	41
662356	0.015	< 3	< 5	0.10	26	82	8	0.24	< 5	< 10	141	< 5	9	137	25
662357	0.004	< 3	< 5	0.48	14	135	< 2	0.08	< 5	< 10	52	< 5	5	156	22
662358	0.005	< 3	< 5	0.01	27	102	< 2	0.11	< 5	< 10	95	< 5	4	141	12
662359	0.008	< 3	< 5	0.15	27	74	< 2	0.13	< 5	< 10	97	< 5	5	167	16
662360	0.060	38	< 5	3.05	11	259	9	0.42	< 5	< 10	89	< 5	10	112	57
662361	0.007	< 3	< 5	0.18	29	14	2	0.11	< 5	< 10	100	< 5	5	197	16
662362	0.004	10	< 5	0.29	25	34	< 2	0.11	< 5	< 10	95	< 5	4	225	11
662363	0.005	3	< 5	0.82	18	86	7	0.11	< 5	< 10	82	< 5	3	215	11
662364	0.007	4	< 5	0.49	20	66	< 2	0.13	< 5	< 10	131	7	4	228	12
662365	0.005	< 3	< 5	0.38	26	12	2	0.13	< 5	< 10	100	< 5	5	220	13
662366	0.005	< 3	< 5	0.22	30	8	6	0.28	< 5	< 10	154	7	4	240	11

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662367	0.006	< 3	< 5	0.38	35	12	< 2	0.20	< 5	< 10	153	< 5	5	243	18
662368	0.006	7	< 5	0.76	10	370	< 2	0.09	< 5	< 10	78	< 5	3	158	10
662369	0.008	4	< 5	0.38	22	215	12	0.33	< 5	< 10	164	< 5	5	193	17
662370	0.004	< 3	< 5	< 0.01	< 4	118	< 2	< 0.01	< 5	20	< 2	< 5	1	8	< 5
662371	0.005	4	< 5	0.52	42	184	13	1.15	< 5	< 10	535	< 5	2	222	7
662372	< 0.001	< 3	< 5	0.05	50	50	11	1.00	< 5	< 10	461	< 5	2	257	7
662373	0.223	7	< 5	0.11	26	780	6	0.47	< 5	< 10	115	< 5	13	75	95
662374	0.032	< 3	< 5	0.02	38	148	7	0.40	< 5	< 10	284	< 5	14	93	42
662375	0.031	5	< 5	0.06	35	140	3	0.46	< 5	< 10	304	< 5	12	139	38
662376	0.030	< 3	< 5	0.04	37	162	6	0.51	< 5	< 10	326	< 5	14	80	38
662377	0.033	< 3	< 5	0.06	39	162	10	0.42	< 5	< 10	257	< 5	15	83	50
662378	0.029	< 3	< 5	0.02	38	123	5	0.34	< 5	< 10	224	< 5	14	83	46
662379	0.086	4	< 5	0.05	34	358	12	0.33	< 5	10	192	< 5	25	73	66
662380	0.065	48	< 5	3.46	12	266	9	0.43	< 5	< 10	97	< 5	11	115	61
662381	0.046	8	< 5	0.08	10	412	2	0.27	< 5	10	89	< 5	30	40	113
662382	0.131	7	< 5	0.08	32	1490	< 2	0.12	< 5	20	138	< 5	41	30	22
662383	0.072	14	< 5	0.10	10	1010	2	0.19	< 5	10	57	< 5	40	39	64
662384	0.041	9	< 5	0.09	7	1710	< 2	0.14	< 5	10	17	< 5	39	26	50
662385	0.139	7	< 5	0.06	23	2380	9	0.16	< 5	< 10	67	< 5	41	21	42
662386	0.051	< 3	< 5	0.06	38	312	23	0.80	< 5	< 10	488	< 5	25	91	72
662387	0.101	< 3	< 5	0.03	30	116	4	0.16	< 5	10	119	< 5	32	68	61
662388	0.110	< 3	< 5	0.04	34	376	8	0.29	< 5	10	198	< 5	32	52	60
662389	0.032	4	< 5	0.04	33	559	8	0.21	< 5	10	241	< 5	18	55	50
662390	0.004	< 3	< 5	< 0.01	< 4	128	< 2	< 0.01	< 5	20	2	< 5	1	17	< 5
662391	0.037	5	< 5	0.02	34	1160	< 2	0.22	< 5	10	168	< 5	18	45	61
662392	0.044	< 3	< 5	0.16	35	180	4	0.48	< 5	< 10	226	< 5	16	72	55
662393	0.040	< 3	< 5	0.02	32	121	6	0.37	< 5	10	206	< 5	15	81	51
662394	0.029	< 3	< 5	0.01	30	131	4	0.31	< 5	10	192	< 5	14	77	43
662395	0.035	< 3	< 5	< 0.01	32	175	5	0.26	< 5	< 10	204	< 5	16	83	56
662396	0.020	3	< 5	< 0.01	20	278	3	0.20	< 5	< 10	139	< 5	9	51	24
662397	0.015	< 3	< 5	< 0.01	24	161	8	0.19	< 5	10	125	< 5	7	86	25
662398	0.010	4	< 5	0.09	16	200	2	0.12	< 5	< 10	78	< 5	4	101	10
662399	0.012	3	< 5	0.03	14	111	< 2	0.13	< 5	< 10	77	< 5	4	125	17
662400	0.009	< 3	< 5	0.06	20	160	4	0.12	< 5	< 10	91	< 5	5	92	15
662401	0.012	< 3	< 5	< 0.01	24	121	10	0.17	< 5	< 10	107	< 5	6	105	18
662402	0.014	< 3	< 5	0.02	25	50	6	0.17	< 5	< 10	113	< 5	6	114	21
662403	0.014	< 3	< 5	0.06	13	69	7	0.12	< 5	< 10	63	< 5	4	130	22
662404	0.018	< 3	< 5	0.03	18	101	9	0.18	< 5	< 10	98	< 5	7	115	28
662405	0.012	7	< 5	0.41	15	132	< 2	0.14	< 5	< 10	77	< 5	4	123	22
662406	0.010	8	< 5	0.30	14	113	< 2	0.10	< 5	< 10	68	< 5	4	129	16
662407	0.006	34	< 5	0.35	27	29	< 2	0.11	< 5	< 10	106	< 5	3	253	13
662408	0.004	139	< 5	0.21	29	28	< 2	0.10	< 5	< 10	115	5	3	537	10
662409	0.044	52	< 5	0.33	31	163	9	0.36	< 5	< 10	173	< 5	16	223	62
662410	0.060	41	< 5	3.50	12	268	8	0.34	< 5	< 10	83	< 5	11	119	60
662411	0.019	4	< 5	0.12	31	197	< 2	0.21	< 5	< 10	146	< 5	9	75	32
662412	0.010	4	< 5	0.14	33	53	11	0.16	< 5	< 10	131	< 5	5	97	20
662413	0.004	< 3	< 5	0.07	18	158	6	0.07	< 5	< 10	66	< 5	2	79	6
662414	0.041	< 3	< 5	0.25	27	138	10	0.37	< 5	< 10	156	< 5	15	90	58
662415	0.061	4	< 5	0.13	30	203	< 2	0.59	< 5	< 10	279	< 5	21	76	90
662416	0.032	4	< 5	0.04	32	154	10	0.29	< 5	< 10	223	< 5	15	83	51
662417	0.025	< 3	< 5	0.02	32	187	6	0.26	< 5	< 10	153	< 5	10	63	33

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662418	0.021	< 3	< 5	0.12	28	162	6	0.22	< 5	10	143	< 5	8	76	25
662419	0.012	< 3	< 5	0.16	28	144	7	0.17	< 5	< 10	119	< 5	5	77	18
662420	0.004	< 3	< 5	0.01	< 4	109	< 2	< 0.01	< 5	20	< 2	< 5	1	27	< 5
662421	0.007	5	< 5	0.30	21	148	4	0.13	< 5	< 10	98	< 5	4	88	10
662422	0.008	4	< 5	0.28	20	163	13	0.13	< 5	< 10	86	< 5	4	81	12
662423	0.066	< 3	< 5	0.48	35	161	3	0.52	< 5	10	214	< 5	25	69	82
662424	0.012	< 3	< 5	0.58	28	82	8	0.19	< 5	< 10	139	< 5	7	110	25
662425	0.008	< 3	< 5	0.69	25	96	6	0.13	< 5	< 10	104	< 5	4	86	14
662426	0.006	5	< 5	0.61	17	197	3	0.10	< 5	< 10	72	< 5	3	77	10
662427	0.022	62	< 5	0.54	24	141	16	0.23	< 5	< 10	126	< 5	8	150	37
662428	0.012	109	< 5	0.15	24	183	8	0.21	< 5	10	134	< 5	6	266	18
662429	0.027	< 3	< 5	0.19	28	130	9	0.25	< 5	< 10	138	< 5	10	96	41
662430	0.023	< 3	< 5	0.08	28	144	6	0.28	< 5	< 10	163	< 5	10	79	35
662431	0.009	< 3	< 5	0.30	15	303	7	0.12	< 5	10	75	< 5	4	54	12
662432	0.007	< 3	< 5	0.30	20	232	9	0.13	< 5	< 10	88	< 5	4	74	11
662433	0.008	< 3	< 5	0.29	17	283	4	0.13	< 5	< 10	77	< 5	4	59	12
662434	0.012	29	< 5	0.42	17	294	3	0.16	< 5	< 10	95	< 5	5	118	15
662435	0.008	3	< 5	0.37	19	179	< 2	0.14	< 5	< 10	88	< 5	4	86	12
662436	0.007	3	< 5	0.48	23	142	4	0.14	< 5	< 10	109	< 5	4	94	12
662437	0.006	4	< 5	0.64	18	208	< 2	0.12	< 5	< 10	82	< 5	3	78	11
662438	0.011	63	< 5	0.33	21	193	3	0.17	< 5	< 10	109	< 5	5	168	18
662439	0.011	3	< 5	0.36	27	129	< 2	0.15	< 5	< 10	113	< 5	6	121	21
662440	0.063	43	< 5	3.35	12	268	6	0.43	< 5	< 10	89	< 5	11	117	58
662441	0.022	< 3	< 5	0.03	27	114	4	0.21	< 5	< 10	126	< 5	9	101	37
662442	0.017	< 3	< 5	0.10	27	93	< 2	0.20	< 5	< 10	116	< 5	7	117	28
662443	0.051	< 3	< 5	0.20	25	164	5	0.46	< 5	10	195	< 5	18	92	73
662444	0.005	< 3	< 5	0.13	30	65	< 2	0.13	< 5	< 10	109	< 5	4	121	12
662445	0.022	6	< 5	0.30	25	151	3	0.27	< 5	< 10	160	< 5	9	109	33
662446	0.024	4	< 5	0.06	31	144	< 2	0.37	< 5	< 10	214	< 5	10	95	41
662447	0.004	< 3	< 5	0.05	25	122	5	0.13	< 5	< 10	102	< 5	3	106	9
662448	0.019	< 3	< 5	0.04	28	116	6	0.25	< 5	< 10	146	8	8	88	28
662449	0.019	< 3	< 5	0.05	31	144	8	0.29	< 5	< 10	189	< 5	9	83	30
662450	0.004	< 3	< 5	0.01	< 4	93	< 2	< 0.01	< 5	20	< 2	< 5	1	11	< 5
662451	0.013	< 3	< 5	0.12	27	42	5	0.25	< 5	< 10	182	< 5	6	162	20
662452	0.011	6	< 5	0.04	17	84	< 2	0.13	< 5	< 10	89	< 5	5	133	17
662453	0.020	< 3	< 5	0.03	21	168	< 2	0.22	< 5	< 10	120	< 5	8	79	27
662454	0.011	< 3	< 5	0.03	17	156	8	0.14	< 5	< 10	84	< 5	5	64	16
662455	0.011	3	< 5	< 0.01	21	149	< 2	0.14	< 5	< 10	101	< 5	5	98	17
662456	0.011	< 3	< 5	0.01	23	125	4	0.14	< 5	< 10	103	< 5	6	113	16
662457	0.012	< 3	< 5	0.01	21	216	12	0.14	< 5	10	98	< 5	5	78	16
662458	0.012	< 3	< 5	0.01	22	321	12	0.16	< 5	10	106	< 5	6	60	19
662459	0.013	< 3	< 5	0.02	22	321	< 2	0.17	< 5	10	109	< 5	6	51	18
662460	0.012	< 3	< 5	0.01	23	310	2	0.15	< 5	10	104	< 5	6	50	17
662461	0.012	< 3	< 5	0.02	26	287	9	0.17	< 5	10	119	< 5	6	55	19
662462	0.011	< 3	< 5	0.01	25	278	< 2	0.15	< 5	< 10	112	< 5	5	48	15
662463	0.013	5	< 5	< 0.01	22	296	3	0.17	< 5	20	110	< 5	6	53	19
662464	0.012	< 3	< 5	< 0.01	27	258	2	0.16	< 5	< 10	120	< 5	6	58	19
662465	0.021	< 3	< 5	0.03	26	179	13	0.24	< 5	< 10	151	< 5	9	85	28
662466	0.021	7	< 5	0.04	24	210	10	0.24	< 5	< 10	140	< 5	8	108	26
662467	0.013	6	< 5	0.01	22	326	< 2	0.16	< 5	10	98	< 5	6	60	20
662468	0.011	8	< 5	0.01	17	251	6	0.13	< 5	10	97	< 5	5	66	15

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662469	0.012	< 3	< 5	< 0.01	20	254	12	0.17	< 5	< 10	100	< 5	5	68	15
662470	0.065	41	< 5	3.07	12	254	8	0.51	< 5	< 10	101	< 5	10	114	60
662471	0.012	4	< 5	0.02	16	252	< 2	0.13	< 5	< 10	70	< 5	5	71	15
662472	0.016	3	< 5	0.04	19	197	5	0.17	< 5	< 10	90	< 5	6	86	23
662473	0.009	< 3	< 5	< 0.01	32	181	< 2	0.14	< 5	< 10	122	< 5	6	89	18
662474	0.016	< 3	< 5	0.01	28	218	< 2	0.18	< 5	10	111	< 5	6	79	22
662475	0.011	< 3	< 5	0.04	21	169	< 2	0.13	< 5	< 10	117	< 5	5	70	18
662476	0.020	< 3	< 5	0.10	15	45	< 2	0.11	< 5	< 10	161	< 5	5	124	11
662477	0.021	10	< 5	0.51	10	267	< 2	0.14	< 5	10	65	< 5	7	125	20
662478	0.008	7	< 5	0.18	8	190	< 2	0.07	< 5	< 10	45	< 5	3	159	9
662479	0.007	< 3	< 5	0.08	9	182	< 2	0.08	< 5	< 10	46	< 5	3	169	10
662480	0.005	< 3	< 5	< 0.01	< 4	82	< 2	< 0.01	< 5	20	< 2	< 5	1	6	< 5
662481	0.007	< 3	< 5	0.33	7	156	< 2	0.05	< 5	< 10	29	6	1	171	9
662482	0.008	< 3	< 5	0.39	7	238	< 2	0.07	< 5	< 10	37	< 5	3	114	11
662483	0.007	< 3	< 5	0.21	8	159	4	0.07	< 5	< 10	41	< 5	2	129	10
662484	0.007	< 3	< 5	0.19	7	93	< 2	0.08	< 5	< 10	46	< 5	3	150	13
662485	0.005	< 3	< 5	0.20	6	100	< 2	0.06	< 5	< 10	36	< 5	2	149	10
662486	0.005	< 3	< 5	0.04	10	84	< 2	0.06	< 5	< 10	43	< 5	2	141	9
662487	0.005	< 3	< 5	0.10	8	154	5	0.06	< 5	< 10	40	< 5	2	117	8
662488	0.006	4	< 5	0.79	9	215	< 2	0.07	< 5	10	46	< 5	3	130	9
662489	0.006	< 3	< 5	0.15	11	151	< 2	0.08	< 5	< 10	55	< 5	2	133	10
662490	0.006	< 3	< 5	0.16	19	38	< 2	0.09	< 5	< 10	82	< 5	3	129	12
662491	0.006	< 3	< 5	0.08	24	107	< 2	0.12	< 5	< 10	97	< 5	4	103	12
662492	0.006	< 3	< 5	0.16	20	128	7	0.10	< 5	< 10	84	< 5	6	91	21
662493	0.005	< 3	< 5	0.17	21	114	6	0.10	< 5	< 10	89	< 5	5	97	14
662494	0.006	< 3	< 5	0.24	21	126	< 2	0.11	< 5	< 10	88	< 5	5	92	18
662495	0.008	< 3	< 5	0.12	22	44	10	0.13	< 5	< 10	95	< 5	9	107	32
662496	0.005	< 3	< 5	0.03	30	4	4	0.12	< 5	< 10	105	< 5	7	107	16

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						< 3						146	140	321	9.83								6480
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						3						155	136	336	10.3								6770
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												47		424	10.7		2.29	1.23		945	15		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												48		434	11.2		2.39	1.23		980	16		8
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				42.8					62			122		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 98 (4 Acid) Meas				42.6					95			122		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				0.9		42						73	8860	2330							10		2160
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		36						74	8990	2270							9		2180
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
PK2 Meas	5080	5970	4710																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4990	5970	4730																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	5010	5600	4790																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4960	5890	4740																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4880	5970	4840																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4850	5780	4700																				
PK2 Cert	4785	5918	4749																				
PK2 Meas	4850	5860	4640																				
PK2 Cert	4785	5918	4749																				
OREAS 904 (4 Acid) Meas				0.4	6.36	88	204	8	5	0.05		89	41	6240	6.77	16	3.52	0.57	16	422	2	0.04	41
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.37	77	196	8	7	0.05		89	42	5960	6.68	15	2.97	0.57	16	402	< 1	0.03	43
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.26	< 3	189	< 1	< 2	0.19		34	428	381	14.5	23	0.42	0.25	23	514	< 1	0.10	235

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					7.90	7	183	< 1	3	0.19		34	448	369	14.0	20	0.40	0.24	22	491	< 1	0.10	228
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 96 (4 Acid) Meas				11.7					27			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.6					27			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				2.1	7.52	8	420	2	23	0.48	< 0.3	23	62	4540	6.58	20	2.52	1.71	33	1000	2	0.33	36
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.2	7.32	5	423	2	15	0.48	< 0.3	23	58	4200	6.53	18	2.89	1.68	32	973	< 1	0.33	36
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				64.9	6.14	76		1	4	2.01	279	28	44	3700	3.76	25	1.95	0.52	14	552	14	1.33	27
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				67.0	6.22	70		2	4	2.01	280	29	24	3920	3.81	24	2.22	0.52	15	522	13	1.35	30
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				73.1	6.08	70		2	4	2.10	294	31	25	3820	3.90	26	2.16	0.54	15	521	14	1.39	26
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1760	1600	204																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1830	1630	220																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2070	1640	213																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1940	1660	230																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1980	1640	219																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2070	1650	207																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas	2050	1620	221																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.8	1.77	1710	12	< 1	3	2.71	1.8	1370	259	3230	27.2	3	0.33	2.44	18	608		0.40	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.8	1.71	1530	11	< 1	3	2.68	2.0	1400	246	3140	26.4	< 1	0.32	2.39	17	594		0.38	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	7.69		409	1	3	5.76		49	1250	251	7.67	15	1.32	4.93	13	1310	1	1.58	464
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.22		420	1	< 2	5.94		50	1450	276	7.96	17	1.38	5.17	14	1340	< 1	1.64	477
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 147 (4 Acid) Meas					5.16	12	> 1000	30	7	1.16		7	38	296	3.17	22	1.63	0.54	2160	380	3	0.94	23
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.04	13	> 1000	32	8	1.20		8	34	291	3.35	23	1.70	0.57	2260	422	3	0.98	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.2	5.00	275		< 1	4	3.87		375	27	6220	20.8	19	3.21	1.17	18	3220	124	1.02	74
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.978	73
Oreas 521 (4 Acid) Meas				1.1	4.80	309		< 1	5	3.68		357	29	5800	19.3	17	3.01	1.08	17	3060	127	0.92	67
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				1.1	3.95	144	199	< 1	< 2	2.95	< 0.3	76		49	5.58	9	0.59	12.6	34	1140	3	0.75	2060
OREAS 70b (4 Acid) Cert				0.17	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662270 Orig				3.4	6.33	4	129	< 1	6	3.92	0.5	162	216	6420	13.2	13	0.59	3.90	12	1100	< 1	1.76	7950
662270 Dup				3.4	6.34	< 3	78	< 1	5	3.97	0.4	156	243	6610	13.2	14	0.61	3.95	12	1130	< 1	1.76	7900
662274 Orig	33	12	< 5																				
662274 Dup	61	11	< 5																				
662280 Orig				< 0.3	0.06	< 3	877	< 1	< 2	19.4	< 0.3	< 1	4	10	0.11	< 1	0.03	12.3	20	557	< 1	0.05	3
662280 Dup				< 0.3	0.06	< 3	895	< 1	< 2	19.9	< 0.3	< 1	3	10	0.11	1	0.03	12.6	20	551	< 1	0.05	4
662284 Orig	< 2	9	40																				
662284 Dup	< 2	8	43																				
662291 Orig				< 0.3	6.17	< 3	20	< 1	< 2	2.52	< 0.3	71	79	19	11.3	15	0.11	8.98	45	1460	< 1	0.10	150
662291 Dup				< 0.3	6.20	< 3	20	< 1	< 2	2.53	< 0.3	72	78	19	11.6	16	0.11	9.09	45	1490	< 1	0.10	152
662294 Orig	7	< 5	< 5																				
662294 Dup	7	< 5	< 5																				
662304 Orig	53	29	60	< 0.3	7.38	< 3	85	< 1	< 2	3.21	< 0.3	62	52	110	9.99	17	0.15	6.64	29	1560	< 1	1.57	115
662304 Dup	61	28	56	< 0.3	7.36	< 3	86	< 1	2	3.22	< 0.3	62	51	102	10.2	17	0.16	6.68	30	1520	< 1	1.61	117
662314 Orig	8	325	254	< 0.3	6.62	< 3	91	< 1	< 2	4.71	< 0.3	95	72	29	10.7	9	0.22	8.54	42	1520	< 1	0.66	474
662314 Split	10	332	216	< 0.3	6.26	< 3	104	< 1	< 2	5.19	< 0.3	89	85	34	9.82	10	0.25	8.44	36	1490	< 1	0.73	483

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
PREP DUP																							
662315 Orig	< 2	21	24																				
662315 Dup	< 2	21	25																				
662321 Orig				0.7	6.96	< 3	50	< 1	3	4.80	0.5	130	149	1380	10.2	12	0.25	8.67	39	1430	< 1	0.62	746
662321 Dup				0.6	6.87	< 3	51	< 1	< 2	4.87	0.4	127	247	1340	10.3	10	0.25	8.73	40	1450	< 1	0.63	760
662323 Orig	74	85	16																				
662323 Dup	47	84	17																				
662333 Orig				1.3	12.5	< 3	48	< 1	5	8.06	0.5	95	25	2890	5.69	15	0.19	3.51	20	617	< 1	1.64	1300
662333 Dup				1.5	12.9	< 3	49	< 1	5	8.31	0.5	98	26	3020	5.87	15	0.20	3.63	21	636	< 1	1.67	1330
662343 Orig	43	78	73																				
662343 Dup	38	79	81																				
662349 Orig				0.3	6.99	< 3	41	< 1	< 2	6.66	< 0.3	56	119	509	7.50	15	0.10	5.25	16	1100	< 1	1.07	186
662349 Dup				0.3	7.05	3	41	< 1	< 2	6.75	< 0.3	57	120	546	7.68	15	0.10	5.35	17	1120	3	1.10	190
662353 Orig	28	325	100																				
662353 Dup	24	320	107																				
662360 Orig				3.5	5.90	< 3	114	< 1	4	3.84	0.6	160	292	6740	13.2	14	0.56	3.89	12	1150	3	1.75	8680
662360 Dup				3.5	6.27	< 3	95	< 1	3	3.89	0.5	152	201	6630	12.9	14	0.59	3.89	12	1120	< 1	1.75	8070
662363 Orig	29	93	28																				
662363 Dup	25	91	29																				
662364 Orig	31	87	33	0.8	7.13	7	66	< 1	3	2.90	< 0.3	108	124	941	9.91	17	0.17	7.36	37	1500	3	1.36	363
662364 Split PREP DUP	31	87	33	0.7	6.98	< 3	62	< 1	2	2.84	< 0.3	114	126	965	9.99	17	0.16	7.32	37	1490	< 1	1.31	362
662372 Orig	< 2	< 5	< 5																				
662372 Dup	< 2	< 5	< 5																				
662376 Orig				< 0.3	6.68	< 3	100	< 1	3	6.87	< 0.3	51	18	266	10.3	20	0.34	3.75	15	1420	< 1	2.05	61
662376 Dup				< 0.3	6.85	< 3	99	< 1	3	6.78	< 0.3	50	18	278	10.2	20	0.34	3.73	15	1390	< 1	2.01	62
662382 Orig	< 2	< 5	7																				
662382 Dup	< 2	< 5	8																				
662390 Orig				< 0.3	0.18	< 3	51	< 1	< 2	26.1	< 0.3	< 1	4	2	0.11	1	0.08	7.25	5	238	< 1	0.09	2
662390 Dup				< 0.3	0.18	< 3	51	< 1	< 2	26.1	< 0.3	< 1	2	1	0.11	1	0.08	7.35	5	241	< 1	0.09	2
662392 Orig	< 2	14	16																				
662392 Dup	< 2	14	17																				
662411 Orig				0.4	8.04	< 3	179	< 1	< 2	6.51	< 0.3	50	210	579	7.29	14	0.70	4.94	23	1190	< 1	1.46	184
662411 Dup				< 0.3	8.19	4	180	< 1	< 2	6.54	< 0.3	50	117	592	7.29	14	0.71	4.97	23	1210	< 1	1.44	182
662412 Orig	32	207	45																				
662412 Dup	25	200	55																				
662414 Orig	35	220	57	0.6	7.37	< 3	160	< 1	3	4.95	< 0.3	63	150	1130	7.90	17	0.59	5.45	28	1210	< 1	1.52	271
662414 Split PREP DUP	42	219	57	0.6	7.47	< 3	158	< 1	3	4.97	< 0.3	65	151	1250	8.20	14	0.59	5.73	30	1250	< 1	1.48	293
662415 Orig				0.5	7.38	< 3	277	< 1	3	5.76	< 0.3	49	59	604	9.41	19	1.24	3.67	21	1210	< 1	1.23	121
662415 Dup				0.4	7.20	< 3	280	< 1	3	5.79	< 0.3	49	58	578	9.46	18	1.24	3.68	21	1230	< 1	1.23	117
662421 Orig	66	44	96																				
662421 Dup	79	48	96																				
662431 Orig	33	142	61																				
662431 Dup	33	141	62																				
662433 Orig				0.3	10.9	4	125	< 1	< 2	6.48	< 0.3	44	64	662	5.80	19	0.48	3.53	20	835	< 1	2.06	237
662433 Dup				0.3	11.3	< 3	123	< 1	< 2	6.44	< 0.3	43	69	655	5.71	17	0.48	3.48	20	839	< 1	2.02	231
662441 Orig	4	51	75																				
662441 Dup	5	50	79																				
662448 Orig				1.6	7.17	< 3	144	< 1	< 2	4.24	< 0.3	58	58	171	8.95	11	0.67	5.67	34	1430	< 1	1.71	149
662448 Dup				0.9	7.18	< 3	140	< 1	< 2	4.16	< 0.3	57	60	165	8.74	13	0.64	5.59	33	1400	< 1	1.67	151
662451 Orig	4	36	32																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662451 Dup	< 2	35	31																				
662461 Orig	< 2	7	8																				
662461 Dup	< 2	7	6																				
662463 Orig				< 0.3	11.0	< 3	149	< 1	< 2	8.18	< 0.3	30	65	68	4.76	20	0.43	3.54	14	842	< 1	2.09	80
662463 Dup				< 0.3	10.9	5	146	< 1	< 2	8.10	< 0.3	30	63	66	4.69	16	0.42	3.48	14	838	< 1	2.05	78
662464 Orig	< 2	6	7	< 0.3	10.3	< 3	125	< 1	< 2	7.94	< 0.3	33	81	53	5.22	18	0.35	4.08	12	931	< 1	1.96	90
662464 Split PREP DUP	< 2	7	9	< 0.3	9.94	4	126	< 1	< 2	7.95	< 0.3	33	75	52	5.07	15	0.36	3.94	12	896	< 1	1.95	88
662475 Orig				< 0.3	8.26	< 3	68	< 1	< 2	6.62	< 0.3	46	141	84	6.39	14	0.19	3.98	25	1090	< 1	1.22	135
662475 Dup				< 0.3	8.31	< 3	70	< 1	< 2	6.71	< 0.3	47	87	85	6.57	14	0.20	4.02	26	1120	< 1	1.25	136
662481 Orig	43	359	171																				
662481 Dup	44	365	172																				
662490 Orig	87	486	314																				
662490 Dup	54	458	314																				
662496 Orig	< 2	13	9	< 0.3	4.01	< 3	< 7	< 1	< 2	4.93	< 0.3	61	222	113	8.87	11	0.02	9.65	27	1600	< 1	0.07	125
662496 Split PREP DUP	< 2	11	5	< 0.3	3.99	< 3	< 7	< 1	< 2	4.98	< 0.3	60	235	109	8.88	11	0.02	9.75	26	1580	< 1	0.06	124
Method Blank				< 0.3	< 0.01	4	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	6	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	1	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	7	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	1	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	5																				
Method Blank	< 2	< 5	5																				
Method Blank	< 2	< 5	6																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.71											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.80											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.109	22						0.37		390	78		137		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.109	22						0.37		390	78		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		307	< 5	16.9										1310	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		307	< 5	14.6										1290	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.21										117	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.20										117	
OREAS 13b (4-Acid) Cert				1.2										133	
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
PK2 Meas															
PK2 Cert															
OREAS 904 (4 Acid) Meas	0.094	10	< 5	0.06	11	29			< 5	< 10	80	< 5	32	27	14
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.086	10	< 5	0.06	11	27			< 5	< 10	69	< 5	33	27	15
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.034	23	< 5	0.04	52	31		0.25	< 5	< 10	112	< 5	11	47	59

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.037	18	< 5	0.04	50	30		0.45	< 5	< 10	160	< 5	10	43	111
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 96 (4 Acid) Meas		91	< 5	4.39										441	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		88	< 5	4.47										443	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.068	84	< 5	0.71	13	43		0.43	< 5	< 10	95	6	25	348	119
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.063	80	< 5	0.71	13	42		0.42	< 5	< 10	94	< 5	25	357	121
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.039	> 5000	100	4.63	6	88		0.18	< 5	< 10	34	< 5	12	> 10000	167
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.037	> 5000	47	4.67	6	74		0.19	< 5	< 10	34	5	12	> 10000	157
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.037	> 5000	33	4.76	6	64		0.20	< 5	< 10	36	< 5	12	> 10000	157
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
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CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		50	24		< 4	31	5	0.06	< 5	< 10	36	< 5	6	184	43
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		45	16		< 4	29	< 2	0.06	< 5	< 10	35	< 5	6	180	42
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.145	6	< 5	0.10	26	438		0.57		< 10	240	< 5	16	80	64
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.145	6	< 5	0.10	27	460		0.61		< 10	245	< 5	17	83	64
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 147 (4 Acid) Meas	0.093	26	19	0.02	10	294		0.20	8	< 10	40		27	142	23
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.080	27	10	0.01	11	296		0.29	6	< 10	55		27	147	16
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.085	10	< 5	1.85	14	87	10	0.39	< 5	40	208	19	19	26	129
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.081	7	< 5	1.71	13	90	11	0.42	< 5	30	201	41	18	25	122
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.76	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.022	12	< 5	0.28	12	71		0.17	< 5	< 10	63	< 5	9	100	62
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
662270 Orig	0.059	39	< 5	3.20	11	255	6	0.28	< 5	< 10	80	< 5	11	116	58
662270 Dup	0.060	38	< 5	3.15	12	252	7	0.32	< 5	< 10	88	< 5	11	115	59
662274 Orig															
662274 Dup															
662280 Orig	0.005	< 3	< 5	0.02	< 4	123	< 2	< 0.01	< 5	20	3	< 5	< 1	25	< 5
662280 Dup	0.004	< 3	< 5	0.02	< 4	123	< 2	< 0.01	< 5	20	3	< 5	< 1	26	< 5
662284 Orig															
662284 Dup															
662291 Orig	0.004	< 3	< 5	< 0.01	39	6	< 2	0.14	< 5	< 10	170	5	3	492	10
662291 Dup	0.003	< 3	< 5	< 0.01	40	6	< 2	0.14	< 5	< 10	174	< 5	3	495	11
662294 Orig															
662294 Dup															
662304 Orig	0.014	< 3	< 5	0.01	27	128	2	0.27	< 5	< 10	173	< 5	10	405	28
662304 Dup	0.016	< 3	< 5	0.01	30	129	< 2	0.32	< 5	< 10	179	< 5	10	410	29
662314 Orig	0.017	< 3	< 5	0.01	17	71	21	0.17	< 5	< 10	88	< 5	6	112	24
662314 Split	0.014	< 3	< 5	0.01	18	81	5	0.15	< 5	< 10	85	< 5	6	103	23

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
PREP DUP															
662315 Orig															
662315 Dup															
662321 Orig	0.011	< 3	< 5	0.50	15	103	2	0.12	< 5	10	76	< 5	4	123	18
662321 Dup	0.011	3	< 5	0.48	15	95	< 2	0.11	< 5	< 10	76	< 5	4	124	17
662323 Orig															
662323 Dup															
662333 Orig	0.007	< 3	< 5	0.89	5	290	< 2	0.06	< 5	10	30	< 5	2	85	8
662333 Dup	0.007	3	< 5	0.92	5	298	< 2	0.06	< 5	< 10	31	< 5	2	86	9
662343 Orig															
662343 Dup															
662349 Orig	0.030	< 3	< 5	0.16	28	208	15	0.44	< 5	10	242	< 5	16	74	41
662349 Dup	0.032	< 3	< 5	0.17	28	209	10	0.47	< 5	10	253	< 5	16	75	46
662353 Orig															
662353 Dup															
662360 Orig	0.065	39	< 5	3.12	10	261	13	0.56	< 5	< 10	105	< 5	9	113	60
662360 Dup	0.055	36	< 5	2.98	11	257	5	0.28	< 5	< 10	72	< 5	10	112	54
662363 Orig															
662363 Dup															
662364 Orig	0.007	4	< 5	0.49	20	66	< 2	0.13	< 5	< 10	131	7	4	228	12
662364 Split PREP DUP	0.006	< 3	< 5	0.50	19	65	7	0.12	< 5	< 10	128	< 5	4	225	13
662372 Orig															
662372 Dup															
662376 Orig	0.030	< 3	< 5	0.04	38	160	10	0.49	< 5	< 10	308	< 5	14	81	38
662376 Dup	0.031	< 3	< 5	0.05	36	164	2	0.54	< 5	< 10	343	< 5	14	79	39
662382 Orig															
662382 Dup															
662390 Orig	0.004	3	< 5	< 0.01	< 4	128	< 2	< 0.01	< 5	20	2	< 5	1	17	< 5
662390 Dup	0.004	< 3	< 5	< 0.01	< 4	127	< 2	< 0.01	< 5	20	2	< 5	1	17	< 5
662392 Orig															
662392 Dup															
662411 Orig	0.020	3	< 5	0.12	30	197	< 2	0.21	< 5	< 10	145	< 5	9	76	31
662411 Dup	0.019	5	< 5	0.12	31	198	11	0.21	< 5	< 10	147	< 5	9	74	34
662412 Orig															
662412 Dup															
662414 Orig	0.041	< 3	< 5	0.25	27	138	10	0.37	< 5	< 10	156	< 5	15	90	58
662414 Split PREP DUP	0.038	< 3	< 5	0.25	27	142	12	0.37	< 5	< 10	157	< 5	13	90	53
662415 Orig	0.061	5	< 5	0.13	29	207	13	0.64	< 5	< 10	295	< 5	22	76	97
662415 Dup	0.061	3	< 5	0.13	31	199	< 2	0.54	< 5	10	262	< 5	21	76	83
662421 Orig															
662421 Dup															
662431 Orig															
662431 Dup															
662433 Orig	0.008	< 3	< 5	0.30	16	293	2	0.13	< 5	10	78	< 5	4	59	12
662433 Dup	0.008	3	< 5	0.27	17	274	7	0.13	< 5	< 10	76	< 5	4	59	13
662441 Orig															
662441 Dup															
662448 Orig	0.018	< 3	< 5	0.04	28	119	4	0.25	< 5	< 10	147	8	8	87	28
662448 Dup	0.019	< 3	< 5	0.04	28	114	9	0.24	< 5	< 10	146	7	8	89	29
662451 Orig															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662451 Dup															
662461 Orig															
662461 Dup															
662463 Orig	0.013	4	< 5	< 0.01	23	299	3	0.17	< 5	20	111	< 5	6	54	20
662463 Dup	0.013	6	< 5	0.01	22	294	3	0.16	< 5	10	109	< 5	6	53	18
662464 Orig	0.012	< 3	< 5	< 0.01	27	258	2	0.16	< 5	< 10	120	< 5	6	58	19
662464 Split PREP DUP	0.012	4	< 5	< 0.01	25	259	5	0.16	< 5	10	119	< 5	6	56	17
662475 Orig	0.011	< 3	< 5	0.03	21	172	11	0.13	< 5	< 10	117	< 5	5	69	17
662475 Dup	0.011	< 3	< 5	0.04	21	166	< 2	0.13	< 5	< 10	118	< 5	5	70	18
662481 Orig															
662481 Dup															
662490 Orig															
662490 Dup															
662496 Orig	0.005	< 3	< 5	0.03	30	4	4	0.12	< 5	< 10	105	< 5	7	107	16
662496 Split PREP DUP	0.005	< 3	< 5	0.02	31	3	3	0.13	< 5	10	107	< 5	7	107	15
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-11959-Final2**
Report Date: **27-Aug-21**
Date Submitted: **25-Jun-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

232 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-Rh	QOP PGE ICP-MS (Rhodium FA ICP/MS)	2021-08-10 20:43:11

REPORT **A21-11959-Final2**

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Notes:

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Rh
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-MS
662319	26
662320	< 5
662321	< 5
662322	< 5
662323	< 5
662324	
662325	18
662326	< 5
662327	< 5
662328	38
662329	38
662330	< 5
662331	14
662332	35
662333	33
662334	17
662335	15
662336	12
662337	< 5
662338	< 5
662339	< 5
662340	< 5
662341	20
662342	< 5
662343	< 5
662344	< 5
662345	6
662346	< 5
662347	< 5
662348	5
662349	5
662350	< 5
662351	< 5
662352	< 5
662353	8
662354	13
662355	< 5
662356	54
662357	13
662358	< 5
662359	69
662360	23
662361	21
662362	< 5
662403	18
662404	14
662405	26
662406	28
662407	9
662408	< 5
662477	22

Analyte Symbol	Rh
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-MS
662478	9
662479	< 5
662480	< 5
662481	11
662482	15
662483	< 5
662484	< 5
662485	< 5
662486	25
662487	5
662488	< 5
662489	8
662490	17

Analyte Symbol	Rh
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-MS
WMS-1a Meas	216
WMS-1a Cert	222
WMS-1a Meas	229
WMS-1a Cert	222
WMS-1a Meas	219
WMS-1a Cert	222
WMS-1a Meas	229
WMS-1a Cert	222
WMS-1a Meas	239
WMS-1a Cert	222
OREAS 682 (FIRE ASSAY Ni-S) Meas	60
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	58
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	63
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	60
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
OREAS 682 (FIRE ASSAY Ni-S) Meas	61
OREAS 682 (FIRE ASSAY Ni-S) Cert	60
662335 Orig	18
662335 Dup	11
662346 Orig	6
662346 Dup	< 5
662406 Orig	28
662406 Dup	28
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-12930**
Report Date: **13-Aug-21**
Date Submitted: **08-Jul-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-07-28 13:44:34
1F2	QOP Total (Total Digestion ICPOES)	2021-08-09 21:26:58

REPORT **A21-12930**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662497	16	8	7	0.4	5.35	21	28	< 1	< 2	3.74	0.3	83	324	501	8.85	12	0.06	8.13	32	1450	< 1	0.63	146
662498	7	13	8	< 0.3	7.39	7	98	< 1	< 2	4.05	< 0.3	73	116	334	8.90	14	0.34	8.32	35	1380	< 1	0.94	188
662499	13	186	62	< 0.3	7.86	5	147	< 1	< 2	5.63	< 0.3	59	146	458	7.45	14	0.62	6.38	26	1220	< 1	1.28	279
662500	183	1280	677	3.2	6.69	< 3	113	< 1	< 2	4.02	0.5	166	206	6270	13.5	15	0.63	3.92	13	1150	1	1.80	8410
662501	5	< 5	< 5	< 0.3	9.22	< 3	105	< 1	< 2	6.36	< 0.3	63	81	279	8.52	19	0.38	4.61	26	1150	< 1	1.23	110
662502	3	211	318	< 0.3	9.92	3	323	< 1	< 2	5.93	< 0.3	52	73	79	7.28	15	0.71	4.42	25	1330	< 1	2.17	158
662503	10	159	165	< 0.3	9.51	6	277	< 1	< 2	5.53	< 0.3	57	75	489	8.05	16	0.66	4.16	27	1410	< 1	2.22	209
662504	8	93	46	0.4	7.01	4	245	< 1	< 2	5.43	< 0.3	53	51	598	9.31	18	0.74	3.42	20	1570	< 1	2.20	108
662505	5	36	23	< 0.3	6.78	4	355	< 1	< 2	6.03	< 0.3	53	69	253	9.76	19	1.01	3.30	23	1680	< 1	1.83	77
662506	19	137	50	0.8	7.11	< 3	294	< 1	< 2	5.84	0.4	60	73	1150	10.1	18	0.86	3.64	21	1700	< 1	2.13	150
662507	8	125	39	0.7	7.17	< 3	333	< 1	2	5.18	< 0.3	65	52	919	10.3	18	0.99	3.74	23	1720	< 1	2.25	190
662508	28	167	65	0.8	7.20	6	328	< 1	< 2	4.66	0.4	63	31	1260	10.1	18	1.02	3.80	25	1690	< 1	2.37	155
662509	12	103	34	0.5	7.38	< 3	249	< 1	< 2	5.05	< 0.3	62	42	511	10.6	18	0.73	4.06	23	1820	< 1	2.36	145
662510	< 2	< 5	< 5	< 0.3	0.07	< 3	19	< 1	< 2	30.1	< 0.3	< 1	4	7	0.20	2	0.01	5.67	9	173	< 1	0.04	3
662511	22	116	43	0.7	6.91	7	207	< 1	< 2	5.84	0.5	71	49	965	10.8	18	0.67	4.00	21	1780	< 1	2.04	201
662512	7	118	31	0.5	7.20	< 3	239	< 1	< 2	5.52	< 0.3	69	85	743	10.4	18	0.74	4.04	23	1730	< 1	1.85	202
662513	12	198	69	0.4	6.87	< 3	229	< 1	< 2	5.44	< 0.3	69	44	883	10.1	18	0.71	3.95	23	1690	< 1	1.99	196
662514	21	151	62	0.6	7.04	< 3	220	< 1	< 2	5.63	< 0.3	66	77	1050	11.0	19	0.73	3.84	23	1680	< 1	1.96	222
662515	20	341	78	1.3	6.69	< 3	300	< 1	< 2	5.30	0.4	79	69	2530	11.0	18	0.95	3.65	21	1570	< 1	2.01	324
662516	32	363	105	1.3	6.80	< 3	290	< 1	< 2	5.41	0.6	80	53	2580	10.9	18	0.92	3.60	20	1550	< 1	2.04	318
662517	129	531	145	2.1	6.64	4	287	< 1	< 2	5.40	0.7	100	60	4420	11.6	19	1.00	3.27	18	1500	< 1	1.95	418
662518	751	280	91	1.2	6.89	< 3	454	< 1	< 2	5.00	0.4	69	41	2140	11.0	20	1.34	3.29	27	1580	< 1	2.06	230
662519	5	32	26	< 0.3	6.98	< 3	457	< 1	3	5.56	< 0.3	53	39	356	10.6	19	1.35	3.08	28	1620	< 1	1.83	69
662520	17	93	43	0.5	6.77	< 3	445	< 1	< 2	5.56	0.4	54	52	729	10.4	19	1.39	3.13	33	1530	< 1	1.68	79
662521	25	202	70	0.7	6.84	< 3	271	< 1	< 2	5.21	< 0.3	63	37	1630	10.5	19	1.01	3.50	31	1450	< 1	2.06	171
662522	3	55	28	0.3	7.34	< 3	281	< 1	< 2	5.10	< 0.3	55	39	463	10.3	19	0.96	3.62	30	1520	< 1	2.45	110
662523	6	97	41	0.5	7.13	< 3	319	< 1	< 2	5.66	< 0.3	70	41	860	10.7	19	1.13	3.49	30	1500	< 1	1.96	169
662524	43	403	123	1.5	6.72	< 3	371	< 1	< 2	5.99	0.5	90	56	3490	11.1	18	1.28	3.38	23	1400	< 1	1.45	371
662525	3	46	25	< 0.3	6.88	4	233	< 1	< 2	5.90	< 0.3	59	45	312	9.98	18	0.80	3.64	24	1520	< 1	1.75	126
662526	< 2	39	22	< 0.3	6.97	27	155	< 1	< 2	5.75	< 0.3	59	42	223	9.96	18	0.54	3.76	22	1500	< 1	2.11	117
662527	36	292	84	0.9	7.23	12	156	< 1	< 2	6.03	< 0.3	79	38	2010	11.1	19	0.56	4.08	21	1570	< 1	1.98	289
662528	25	225	75	0.7	7.10	9	225	< 1	< 2	5.70	< 0.3	70	54	1410	10.7	17	0.82	4.13	25	1600	< 1	1.72	246
662529	5	78	25	< 0.3	7.06	5	178	< 1	< 2	5.72	< 0.3	67	50	574	10.6	18	0.68	4.34	27	1640	< 1	1.76	179
662530	144	1270	651	3.2	6.52	< 3	123	< 1	< 2	3.93	0.5	170	238	6270	13.3	14	0.61	3.83	12	1160	3	1.76	8460
662531	13	154	45	0.6	7.66	3	202	< 1	< 2	5.75	< 0.3	66	77	1230	9.40	17	0.70	3.98	23	1450	< 1	2.07	228
662532	31	310	85	1.0	7.63	< 3	175	< 1	< 2	6.08	0.3	78	73	2140	9.05	17	0.46	4.06	20	1400	< 1	2.20	287
662533	16	123	74	< 0.3	8.54	< 3	174	< 1	< 2	5.27	< 0.3	65	108	719	8.21	16	0.35	4.21	26	1370	< 1	2.51	209
662534	37	250	83	0.7	7.01	< 3	109	< 1	< 2	5.64	< 0.3	79	53	1350	10.4	16	0.33	4.79	23	1730	< 1	2.13	277
662535	31	336	109	0.8	6.54	< 3	95	< 1	< 2	5.00	< 0.3	86	48	1720	11.2	16	0.34	5.20	25	1840	< 1	2.01	363
662536	35	379	110	1.5	6.70	< 3	176	< 1	< 2	5.31	0.6	89	40	3370	11.4	17	0.37	4.96	21	1720	< 1	2.03	355
662537	41	399	117	1.1	6.88	< 3	148	< 1	< 2	5.63	0.4	82	38	2470	11.6	19	0.41	4.96	25	1760	< 1	1.63	348
662538	79	910	248	2.7	6.91	< 3	104	< 1	< 2	5.12	1.6	124	62	6020	11.2	16	0.31	4.20	17	1530	< 1	2.22	587
662539	14	243	72	0.4	7.63	< 3	106	< 1	< 2	4.69	< 0.3	72	52	720	10.2	17	0.32	4.53	24	1630	< 1	2.44	229
662540	< 2	< 5	< 5	< 0.3	0.06	< 3	42	< 1	< 2	29.1	< 0.3	< 1	6	11	0.14	2	< 0.01	6.80	3	230	< 1	0.02	3
662541	19	195	64	0.3	7.35	< 3	86	< 1	< 2	4.78	< 0.3	68	60	833	10.1	17	0.27	4.51	22	1620	< 1	2.38	231
662542	16	194	71	0.5	7.30	< 3	132	< 1	< 2	5.43	< 0.3	76	60	1030	10.1	17	0.40	4.10	21	1560	< 1	2.30	221
662543	4	77	41	< 0.3	7.60	< 3	148	< 1	< 2	5.95	< 0.3	58	39	304	9.37	17	0.43	3.89	21	1560	< 1	2.28	128
662544	135	110	46	< 0.3	7.13	< 3	131	< 1	< 2	6.09	< 0.3	71	35	566	10.3	17	0.42	4.38	20	1660	< 1	1.99	173
662545	6	74	35	< 0.3	7.66	< 3	138	< 1	< 2	6.23	< 0.3	62	47	336	9.66	18	0.43	4.35	22	1590	< 1	2.15	138
662546	7	90	38	< 0.3	7.61	< 3	231	< 1	< 2	6.08	0.3	62	46	258	9.18	16	0.61	4.33	24	1570	< 1	2.08	141
662547	14	123	54	< 0.3	7.60	4	202	< 1	< 2	5.99	< 0.3	66	71	660	9.28	16	0.61	4.41	25	1550	< 1	1.99	171

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662548	3	61	35	< 0.3	7.76	< 3	263	< 1	< 2	6.38	< 0.3	58	78	214	8.67	16	0.69	4.28	25	1490	< 1	1.92	143
662549	3	51	36	< 0.3	8.12	< 3	335	< 1	< 2	6.08	< 0.3	57	52	165	8.73	17	0.63	4.28	24	1580	< 1	2.23	140
662550	3	69	37	< 0.3	7.96	< 3	332	< 1	< 2	6.13	< 0.3	56	45	190	8.37	16	0.61	4.09	23	1530	< 1	2.17	137
662551	17	149	60	0.4	8.00	6	283	< 1	< 2	6.50	< 0.3	62	53	859	8.71	16	0.56	4.13	22	1610	< 1	2.28	187
662552	19	176	61	0.5	7.56	5	150	< 1	< 2	5.40	< 0.3	63	53	1000	9.03	16	0.41	4.42	24	1670	< 1	2.34	194
662553	7	98	57	< 0.3	7.90	< 3	131	< 1	< 2	5.08	< 0.3	61	46	344	9.37	16	0.39	4.50	24	1670	< 1	2.63	143
662554	7	128	66	< 0.3	7.47	< 3	141	< 1	< 2	5.15	< 0.3	59	61	250	9.19	18	0.41	4.21	22	1620	< 1	2.52	137
662555	5	101	42	< 0.3	7.05	27	261	< 1	< 2	5.49	< 0.3	64	35	306	9.43	18	0.88	3.71	22	1580	< 1	2.37	101
662556	< 2	19	19	< 0.3	7.43	6	260	< 1	< 2	5.09	< 0.3	59	84	140	9.43	18	0.82	3.85	22	1610	< 1	2.53	96
662557	10	44	17	< 0.3	7.53	< 3	198	< 1	< 2	5.93	< 0.3	55	44	512	8.85	18	0.61	3.53	19	1580	< 1	2.74	105
662558	64	315	93	1.4	7.22	< 3	204	< 1	< 2	5.46	1.0	75	56	2740	10.4	20	0.69	3.68	20	1680	< 1	2.36	306
662559	11	78	32	0.3	7.23	< 3	195	< 1	< 2	4.72	< 0.3	54	56	554	9.10	17	0.63	3.62	20	1610	< 1	2.70	150
662560	< 2	< 5	< 5	< 0.3	0.08	< 3	30	< 1	< 2	28.8	< 0.3	< 1	9	3	0.16	1	0.01	5.28	5	192	< 1	0.04	2
662561	< 2	40	19	< 0.3	7.42	< 3	176	< 1	< 2	5.01	< 0.3	52	71	271	9.10	17	0.55	3.67	21	1690	< 1	2.70	111
662562	3	69	31	< 0.3	8.10	< 3	173	< 1	< 2	4.76	0.4	56	64	218	9.23	18	0.54	3.72	22	1690	< 1	2.75	115
662563	6	65	35	< 0.3	7.32	3	178	< 1	< 2	5.38	< 0.3	52	113	211	8.83	17	0.55	3.73	18	1680	< 1	2.50	112
662564	6	48	24	< 0.3	7.40	< 3	177	< 1	< 2	5.12	0.3	54	55	297	8.97	17	0.55	3.74	19	1790	< 1	2.60	107
662565	6	86	29	< 0.3	7.43	4	156	< 1	< 2	4.67	0.4	59	51	423	9.14	18	0.49	3.70	21	1800	< 1	2.73	117
662566	8	97	41	0.3	7.77	< 3	146	< 1	< 2	4.91	0.4	56	40	526	8.79	18	0.41	3.74	20	1780	< 1	3.05	131
662567	< 2	22	10	< 0.3	8.08	3	596	< 1	< 2	3.46	< 0.3	55	62	117	9.81	20	1.75	3.91	39	1740	< 1	2.62	83
662568	2	< 5	< 5	< 0.3	7.43	< 3	488	< 1	< 2	4.25	< 0.3	61	79	319	9.88	19	1.52	3.93	33	1870	< 1	2.58	84
662569	5	111	42	< 0.3	7.72	6	338	< 1	< 2	4.01	1.8	58	54	404	9.64	18	1.08	4.09	27	1920	< 1	2.86	133
662570	< 2	< 5	< 5	< 0.3	0.06	< 3	161	< 1	< 2	26.8	< 0.3	< 1	3	1	0.18	2	0.01	6.48	10	191	< 1	0.03	1
662571	11	94	37	< 0.3	7.68	< 3	270	< 1	< 2	4.48	0.6	60	101	530	9.57	19	0.87	3.94	26	1960	< 1	2.52	139
662572	5	91	36	< 0.3	8.14	< 3	234	< 1	< 2	5.33	0.4	50	39	378	8.66	18	0.64	3.64	20	1920	< 1	2.65	131
662573	6	55	28	< 0.3	7.74	< 3	203	< 1	< 2	5.20	0.4	53	54	440	8.54	17	0.56	3.64	19	1830	< 1	2.71	117
662574	27	88	39	0.3	7.51	< 3	191	< 1	< 2	5.48	0.4	59	59	653	8.93	17	0.61	3.88	20	1860	< 1	2.49	144
662575	< 2	53	32	< 0.3	7.52	< 3	307	< 1	< 2	4.02	< 0.3	65	54	182	9.94	19	1.10	4.30	32	1980	< 1	2.34	137
662576	6	72	33	< 0.3	7.75	3	260	< 1	< 2	4.37	< 0.3	63	51	325	9.77	18	0.91	4.39	28	1850	< 1	2.46	144
662577	6	113	55	< 0.3	7.11	< 3	190	< 1	< 2	5.20	< 0.3	57	90	408	9.13	17	0.62	4.15	24	1750	< 1	2.46	137
662578	22	101	46	< 0.3	7.50	< 3	183	< 1	< 2	4.63	< 0.3	57	89	394	8.53	17	0.58	3.81	21	1610	< 1	2.80	148
662579	44	133	47	0.5	7.51	< 3	124	< 1	< 2	5.48	< 0.3	61	57	998	8.76	17	0.33	3.59	17	1540	< 1	2.47	171
662580	7	84	36	< 0.3	7.67	< 3	199	< 1	< 2	4.93	< 0.3	58	54	335	8.75	17	0.52	3.80	21	1580	< 1	2.53	137
662581	18	162	52	0.4	7.58	< 3	270	< 1	< 2	4.70	< 0.3	63	42	855	9.29	17	0.74	4.06	24	1610	< 1	2.33	194
662582	9	117	39	< 0.3	7.30	< 3	332	< 1	< 2	5.53	< 0.3	63	49	385	9.60	17	0.86	4.09	22	1570	< 1	1.97	156
662583	6	82	34	< 0.3	7.30	< 3	357	< 1	< 2	5.41	< 0.3	61	45	340	9.53	17	0.89	4.10	22	1570	< 1	1.98	156
662584	14	21	45	0.5	6.62	< 3	172	< 1	< 2	5.39	< 0.3	53	35	527	8.21	19	0.67	3.99	19	1100	< 1	2.04	85
662585	16	15	8	< 0.3	6.83	24	298	< 1	< 2	6.02	< 0.3	48	10	426	9.14	22	1.18	2.98	12	1080	< 1	2.00	62
662586	27	386	217	< 0.3	7.09	4	278	< 1	< 2	4.69	< 0.3	54	73	384	9.33	22	1.27	3.75	20	1070	< 1	1.48	110
662587	2	50	26	< 0.3	7.81	4	264	< 1	< 2	4.37	< 0.3	62	113	66	10.0	20	1.13	5.45	29	1220	< 1	1.15	136
662588	47	9	11	0.4	7.25	< 3	255	< 1	< 2	5.28	< 0.3	47	27	905	8.16	19	0.95	3.56	16	996	< 1	2.16	73
662589	13	6	11	< 0.3	9.33	< 3	172	< 1	< 2	4.64	< 0.3	47	38	544	7.27	19	0.68	5.07	33	956	< 1	1.99	118
662590	116	1260	631	3.2	6.56	< 3	89	< 1	< 2	3.91	0.5	163	209	6230	13.4	15	0.62	3.84	13	1150	2	1.79	8230
662591	29	< 5	< 5	< 0.3	9.04	< 3	49	< 1	< 2	3.62	< 0.3	67	39	355	11.9	33	0.23	8.18	49	1440	< 1	0.57	77
662592	< 2	< 5	6	0.3	7.79	< 3	52	< 1	< 2	3.80	< 0.3	61	17	967	11.8	28	0.30	8.25	42	1370	< 1	0.52	38
662593	62	15	8	< 0.3	5.45	< 3	32	< 1	< 2	4.46	< 0.3	54	50	14	9.37	13	0.14	8.95	35	1400	< 1	0.71	66
662594	12	11	19	< 0.3	7.58	7	98	< 1	< 2	3.95	< 0.3	50	30	66	8.11	16	0.45	7.40	39	1180	< 1	1.58	66
662595	64	61	71	0.4	7.11	3	93	< 1	< 2	4.25	< 0.3	58	58	605	8.72	15	0.39	7.70	34	1260	< 1	1.28	103
662596	31	39	19	< 0.3	7.96	4	60	< 1	< 2	3.88	< 0.3	67	85	443	8.96	18	0.27	8.06	40	1330	< 1	1.21	196
662597	< 2	69	28	< 0.3	6.09	< 3	33	< 1	< 2	3.88	< 0.3	69	138	23	8.72	13	0.16	8.43	36	1410	< 1	0.96	188
662598	< 2	10	8	< 0.3	6.53	< 3	53	< 1	< 2	4.31	< 0.3	65	120	30	8.54	12	0.23	7.74	30	1460	< 1	1.05	160

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662599	< 2	33	< 5	< 0.3	6.81	< 3	48	< 1	< 2	4.41	< 0.3	62	163	25	8.24	12	0.20	7.50	30	1420	< 1	1.27	169
662600	< 2	< 5	< 5	< 0.3	0.21	< 3	26	< 1	< 2	30.7	< 0.3	1	3	2	0.27	2	0.01	5.94	3	193	< 1	0.08	3
662601	< 2	27	< 5	< 0.3	8.01	3	62	< 1	< 2	4.83	< 0.3	58	77	42	7.77	14	0.22	6.76	29	1250	< 1	1.52	164
662602	44	47	299	< 0.3	8.29	< 3	63	< 1	< 2	4.81	< 0.3	60	59	355	7.99	16	0.24	6.91	29	1240	< 1	1.59	166
662603	117	16	190	0.7	7.25	6	54	< 1	< 2	4.56	0.5	67	66	1490	8.23	15	0.23	7.08	26	1350	2	1.40	239
662604	23	13	44	< 0.3	6.96	< 3	61	< 1	< 2	4.54	< 0.3	63	62	272	8.12	13	0.23	7.11	27	1360	< 1	1.25	147
662605	34	6	14	0.3	7.74	< 3	72	< 1	< 2	4.32	< 0.3	68	48	495	8.75	18	0.29	7.22	31	1300	< 1	1.32	107
662606	45	< 5	6	0.3	7.72	5	96	< 1	< 2	4.25	< 0.3	59	44	625	8.08	15	0.40	6.80	30	1250	1	1.58	82
662607	26	10	8	< 0.3	6.66	5	77	< 1	< 2	3.89	< 0.3	68	79	377	8.60	14	0.26	7.57	30	1420	< 1	1.21	108
662608	11	< 5	< 5	< 0.3	6.11	< 3	122	< 1	< 2	4.26	< 0.3	67	50	136	8.65	13	0.36	7.51	29	1440	< 1	1.05	88
662609	4	< 5	12	< 0.3	5.95	< 3	69	< 1	< 2	4.11	< 0.3	70	46	26	9.04	12	0.26	8.18	31	1560	< 1	0.97	80
662610	4	< 5	6	1.1	6.16	< 3	71	< 1	< 2	4.12	< 0.3	71	41	18	9.24	12	0.26	8.35	32	1590	< 1	1.06	79
662611	7	< 5	< 5	< 0.3	5.87	< 3	61	< 1	< 2	3.89	< 0.3	71	38	34	9.04	12	0.23	8.19	31	1550	< 1	1.01	66
662612	54	< 5	< 5	0.8	6.05	< 3	51	< 1	< 2	3.67	< 0.3	71	25	469	9.19	13	0.16	8.20	32	1470	< 1	1.05	59
662613	151	6	< 5	0.9	5.71	21	128	< 1	< 2	4.17	0.7	95	35	1530	9.65	13	0.33	7.84	29	1490	< 1	0.97	111
662614	177	< 5	< 5	1.1	7.28	4	165	< 1	< 2	2.79	0.3	92	19	1490	11.1	17	0.48	7.49	40	1400	< 1	1.01	88
662615	6	< 5	< 5	< 0.3	6.32	3	211	< 1	< 2	3.75	< 0.3	63	30	75	9.88	15	0.71	6.94	32	1390	< 1	1.08	75
662616	50	< 5	< 5	< 0.3	5.35	< 3	252	< 1	< 2	4.23	< 0.3	68	45	487	10.8	16	1.17	6.69	27	1430	< 1	0.75	117
662617	2	< 5	6	< 0.3	6.41	4	278	< 1	< 2	3.06	< 0.3	70	44	44	11.5	17	1.28	6.77	35	1450	< 1	0.83	128
662618	95	8	33	0.4	4.26	< 3	134	< 1	< 2	4.66	< 0.3	81	70	925	11.1	11	0.65	8.94	23	1620	< 1	0.13	264
662619	115	170	203	0.3	3.56	< 3	21	< 1	< 2	4.79	< 0.3	85	97	777	12.1	11	0.13	8.21	14	1680	< 1	0.13	228
662620	149	1240	654	3.1	6.38	4	142	< 1	< 2	3.82	0.5	162	306	6120	13.1	15	0.61	3.77	12	1130	2	1.77	8070
662621	227	52	73	0.6	3.48	< 3	< 7	< 1	< 2	4.75	0.3	85	134	1760	10.4	10	0.02	8.68	13	1660	< 1	0.12	321
662622	97	< 5	10	0.5	6.25	4	50	< 1	< 2	3.21	< 0.3	81	48	1080	12.9	19	0.27	8.63	38	1730	< 1	0.22	202
662623	75	< 5	12	0.7	4.24	< 3	56	< 1	< 2	4.62	< 0.3	61	62	756	10.7	13	0.29	8.38	27	1670	< 1	0.30	189
662624	50	< 5	< 5	0.5	5.75	< 3	54	< 1	< 2	3.61	< 0.3	57	32	561	11.9	20	0.28	8.76	38	1660	< 1	0.22	129
662625	65	< 5	< 5	0.5	5.32	< 3	81	< 1	< 2	3.60	< 0.3	53	37	701	11.3	20	0.46	8.48	37	1630	< 1	0.19	126
662626	71	< 5	< 5	0.6	4.81	< 3	163	< 1	< 2	3.80	< 0.3	58	38	661	10.6	15	0.83	7.38	29	1610	< 1	0.45	113
662627	8	< 5	< 5	< 0.3	6.38	4	240	< 1	< 2	2.53	< 0.3	59	19	118	11.9	19	1.20	7.54	42	1540	< 1	0.40	49
662628	19	< 5	< 5	< 0.3	6.14	6	202	< 1	< 2	2.48	< 0.3	58	19	172	12.5	19	1.06	7.94	41	1650	< 1	0.17	31
662629	11	< 5	< 5	< 0.3	7.41	< 3	102	< 1	< 2	1.37	0.5	47	44	98	12.5	24	0.54	8.06	58	1530	< 1	0.05	37
662630	< 2	< 5	< 5	< 0.3	0.10	< 3	22	< 1	< 2	31.5	< 0.3	< 1	4	2	0.17	2	0.02	5.28	4	184	< 1	0.04	< 1
662631	< 2	< 5	< 5	< 0.3	9.71	7	16	< 1	2	0.89	0.5	48	14	18	14.4	35	0.06	9.04	75	1770	< 1	0.47	34
662632	< 2	< 5	< 5	< 0.3	8.29	< 3	28	< 1	< 2	0.60	< 0.3	42	14	2	11.6	28	0.10	7.30	59	1480	< 1	0.69	14
662633	21	< 5	< 5	< 0.3	6.22	< 3	465	< 1	2	1.92	0.6	58	23	217	13.2	20	1.99	5.32	34	1410	< 1	0.84	43
662634	31	< 5	< 5	0.3	4.36	< 3	148	< 1	< 2	3.47	0.4	69	59	341	15.9	19	0.76	6.52	27	1820	< 1	0.21	64
662635	30	7	< 5	0.4	4.73	< 3	119	< 1	3	3.27	< 0.3	84	40	322	15.5	19	0.52	6.30	30	1760	< 1	0.34	57
662636	10	< 5	< 5	< 0.3	6.08	< 3	161	< 1	< 2	5.07	< 0.3	63	211	132	11.8	17	0.50	6.36	28	1720	< 1	0.46	102
662637	9	< 5	< 5	< 0.3	6.82	< 3	115	< 1	< 2	3.54	< 0.3	39	133	117	8.64	19	0.15	4.18	24	1190	< 1	1.74	81
662638	4	< 5	< 5	< 0.3	7.74	< 3	271	< 1	< 2	5.63	< 0.3	42	193	99	10.4	20	0.63	5.14	26	1370	< 1	0.90	126
662639	20	< 5	< 5	< 0.3	7.39	< 3	468	< 1	3	1.07	< 0.3	64	134	197	13.0	22	2.96	6.06	31	1340	< 1	0.57	102
662640	8	< 5	< 5	< 0.3	6.31	< 3	97	< 1	< 2	0.64	0.4	33	15	112	9.18	18	0.36	4.81	33	1170	< 1	0.89	31
662641	9	< 5	< 5	< 0.3	7.35	< 3	19	< 1	< 2	1.11	< 0.3	52	50	96	12.4	20	0.05	6.83	44	1470	< 1	0.18	28
662642	11	10	7	< 0.3	7.67	< 3	89	< 1	< 2	3.60	< 0.3	56	114	283	9.19	18	0.49	7.37	55	1250	< 1	0.58	133
662643	26	222	55	0.6	10.9	26	193	< 1	< 2	5.82	0.3	45	207	841	4.76	18	1.31	3.93	28	712	< 1	1.95	367
662644	24	278	110	0.8	11.4	< 3	192	< 1	2	5.97	1.4	52	109	1340	4.59	17	1.14	2.99	28	590	< 1	2.47	475
662645	22	192	43	0.9	11.0	4	185	< 1	3	6.52	0.6	41	60	1210	4.09	18	1.07	2.41	24	540	< 1	2.62	360
662646	20	147	75	< 0.3	11.2	5	240	< 1	< 2	5.47	0.7	38	99	393	4.10	17	1.32	3.01	28	553	< 1	2.64	338
662647	26	205	63	0.5	11.2	< 3	124	< 1	< 2	6.16	< 0.3	58	120	857	5.23	19	0.69	3.24	25	599	< 1	2.21	602
662648	48	248	67	0.7	7.23	< 3	66	< 1	< 2	4.50	0.3	82	325	1250	7.83	12	0.33	7.79	32	1180	1	0.95	725
662649	58	150	32	1.0	7.96	< 3	66	< 1	< 2	4.45	0.7	120	227	1730	8.36	16	0.37	7.55	35	1220	< 1	1.00	452

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662650	172	1370	653	3.2	6.62	< 3	144	< 1	3	3.93	0.4	163	321	6310	13.6	15	0.63	3.91	13	1160	3	1.84	8210
662651	44	314	93	0.8	7.96	< 3	83	< 1	2	5.19	0.9	82	315	1340	7.53	12	0.44	6.52	26	1120	< 1	1.26	589
662652	48	191	52	0.8	7.34	< 3	70	< 1	< 2	4.85	0.4	99	247	1380	8.04	13	0.40	7.39	29	1190	< 1	0.99	627
662653	50	253	73	1.0	5.51	< 3	31	< 1	< 2	4.79	0.5	92	277	1450	8.38	12	0.18	8.83	27	1400	< 1	0.71	650
662654	66	368	124	0.7	4.57	< 3	30	< 1	< 2	4.99	0.6	90	273	1130	8.36	8	0.16	9.72	25	1480	< 1	0.37	512
662655	54	525	254	0.7	3.18	< 3	< 7	< 1	< 2	6.29	0.4	74	430	1160	8.25	6	0.01	11.2	18	1670	< 1	0.08	618
662656	111	916	294	1.9	4.64	< 3	< 7	< 1	< 2	4.29	1.0	93	394	2800	9.20	8	0.02	10.4	24	1570	< 1	0.09	731
662657	37	261	170	0.5	3.69	< 3	< 7	< 1	< 2	5.75	< 0.3	77	750	802	7.97	8	0.01	11.6	16	1560	< 1	0.07	754
662658	56	127	84	1.1	5.33	5	< 7	< 1	< 2	3.55	0.5	98	360	1500	9.21	11	0.04	9.96	29	1470	< 1	0.20	640
662659	40	94	60	0.8	5.46	3	61	< 1	< 2	4.07	< 0.3	83	284	1040	8.65	11	0.22	10.0	31	1460	< 1	0.32	513
662660	< 2	< 5	< 5	< 0.3	0.08	< 3	24	< 1	< 2	28.9	< 0.3	1	12	13	0.17	2	< 0.01	6.21	4	212	< 1	0.03	7
662661	28	95	95	0.5	4.28	< 3	< 7	< 1	< 2	4.70	< 0.3	69	306	651	8.53	8	0.03	10.3	27	1570	< 1	0.12	364
662662	37	116	67	0.6	5.58	< 3	42	< 1	2	4.12	< 0.3	83	290	785	8.78	11	0.20	9.03	31	1440	< 1	0.63	350
662663	60	38	25	1.0	6.56	< 3	69	< 1	< 2	4.15	0.6	95	408	1180	8.33	13	0.28	8.27	31	1360	< 1	1.02	425
662664	37	14	16	0.4	7.73	< 3	113	< 1	< 2	3.99	< 0.3	74	299	541	8.29	15	0.43	7.72	35	1280	< 1	1.24	257
662665	128	22	26	1.3	5.80	9	66	< 1	< 2	4.52	< 0.3	58	215	1260	9.14	12	0.24	8.60	29	1370	< 1	0.81	212
662666	135	33	14	1.1	4.92	< 3	59	< 1	< 2	5.07	< 0.3	50	156	934	9.55	12	0.10	9.77	33	1450	< 1	0.31	198
662667	121	< 5	< 5	0.9	5.85	< 3	80	< 1	< 2	3.92	< 0.3	72	144	991	9.44	14	0.11	9.11	40	1330	< 1	0.51	149
662668	48	18	18	0.4	5.16	4	33	< 1	< 2	4.58	< 0.3	65	169	444	9.35	12	0.13	9.48	27	1680	< 1	0.44	250
662669	74	200	88	0.9	6.93	5	88	< 1	< 2	4.10	0.3	73	153	1040	8.27	14	0.29	6.95	25	1380	< 1	1.40	382
662670	114	526	219	1.7	7.28	4	100	< 1	< 2	4.14	0.6	84	141	1920	8.47	15	0.32	6.39	24	1310	< 1	1.69	444
662671	93	262	113	1.1	5.33	29	39	< 1	< 2	4.97	0.5	78	238	1240	8.88	12	0.14	8.80	23	1550	< 1	0.69	417
662672	112	277	112	1.8	8.05	8	126	< 1	< 2	3.76	0.8	86	179	2270	8.57	14	0.47	6.60	28	1300	< 1	1.70	506
662673	23	80	38	0.5	6.28	5	< 7	< 1	< 2	3.28	< 0.3	67	88	549	11.6	20	0.02	8.75	24	1590	< 1	0.25	172
662674	2	17	12	0.3	6.24	< 3	< 7	< 1	< 2	3.13	< 0.3	59	12	266	12.5	22	0.01	8.11	20	1620	< 1	0.05	32
662675	5	21	6	0.3	7.81	6	11	< 1	< 2	1.58	< 0.3	48	35	191	11.6	21	0.03	7.77	41	1580	< 1	0.76	65
662676	5	18	16	< 0.3	7.35	4	256	< 1	< 2	6.00	< 0.3	48	40	137	9.57	19	0.79	3.48	21	1410	< 1	1.45	60
662677	3	11	13	< 0.3	7.16	< 3	335	< 1	< 2	6.36	< 0.3	47	43	120	9.86	19	1.26	3.56	21	1380	< 1	1.07	57
662678	9	21	19	< 0.3	6.80	3	383	< 1	< 2	6.39	< 0.3	49	48	123	8.93	17	1.38	3.84	21	1190	< 1	1.11	66
662679	< 2	26	25	< 0.3	7.59	< 3	262	< 1	< 2	6.03	< 0.3	56	59	73	8.58	17	0.73	4.97	25	1210	< 1	1.27	126
662680	19	243	151	< 0.3	6.83	< 3	126	< 1	< 2	5.46	< 0.3	73	110	392	9.06	14	0.30	6.63	31	1290	< 1	0.90	237
662681	94	618	298	0.6	3.28	< 3	< 7	< 1	< 2	6.69	0.5	90	278	1710	9.86	7	0.06	10.3	24	1580	< 1	0.09	540
662682	80	590	205	0.7	4.74	< 3	22	< 1	< 2	4.80	0.7	110	183	1280	10.3	10	0.11	9.54	36	1580	< 1	0.15	649
662683	67	209	62	0.6	5.79	< 3	46	< 1	< 2	4.27	0.6	84	180	1340	9.24	12	0.19	9.70	42	1540	< 1	0.36	528
662684	56	26	6	0.7	5.65	< 3	17	< 1	< 2	4.74	< 0.3	94	193	1220	9.77	13	0.08	10.6	42	1560	< 1	0.22	481
662685	79	211	59	0.4	5.62	< 3	36	< 1	< 2	5.10	< 0.3	78	199	699	8.32	10	0.17	9.64	37	1420	< 1	0.50	324
662686	37	431	93	0.5	7.27	< 3	83	< 1	< 2	5.11	< 0.3	70	291	861	7.86	13	0.36	8.63	34	1270	< 1	0.79	291
662687	108	702	176	1.1	6.38	< 3	41	< 1	< 2	5.25	0.6	83	271	1700	8.23	11	0.14	8.14	32	1290	< 1	0.71	455
662688	36	139	63	0.5	6.76	< 3	45	< 1	< 2	5.89	< 0.3	66	135	952	7.49	13	0.21	7.29	36	1210	< 1	1.09	280
662689	30	122	30	0.5	7.95	5	64	< 1	< 2	5.04	0.5	55	78	877	6.92	12	0.32	6.47	38	1110	< 1	1.43	260
662690	180	1270	673	3.2	6.54	6	122	< 1	< 2	3.85	0.5	169	229	6380	13.5	14	0.62	3.84	13	1140	4	1.79	8610
662691	95	761	196	0.8	7.44	5	29	< 1	< 2	4.90	0.5	81	82	1230	8.00	15	0.12	7.95	46	1250	< 1	0.66	482
662692	24	362	117	< 0.3	9.62	< 3	97	< 1	< 2	6.61	< 0.3	47	78	474	6.45	16	0.25	5.49	29	1030	< 1	1.34	152
662693	28	215	91	0.3	9.10	4	146	< 1	< 2	5.36	< 0.3	50	176	475	6.47	13	0.41	5.96	32	1050	< 1	1.49	186
662694	26	405	125	0.9	9.21	< 3	235	< 1	< 2	5.59	< 0.3	48	139	455	6.23	14	0.62	6.28	31	1070	< 1	1.52	178
662695	30	243	110	0.3	9.77	< 3	370	< 1	< 2	5.28	< 0.3	54	112	554	6.69	15	0.77	6.00	34	1130	< 1	1.58	222
662696	71	344	109	0.5	5.53	3	42	< 1	< 2	3.12	< 0.3	80	157	1030	9.30	11	0.15	9.05	40	1660	< 1	0.13	263

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662497	0.033	< 3	< 5	0.16	33	21	4	0.32	< 5	< 10	171	5	14	125	51
662498	0.004	< 3	< 5	0.05	26	75	4	0.09	< 5	< 10	99	< 5	3	122	10
662499	0.004	3	< 5	0.07	29	129	3	0.10	< 5	< 10	110	< 5	3	103	7
662500	0.062	43	< 5	3.40	12	283	3	0.40	< 5	< 10	94	< 5	11	120	58
662501	0.005	< 3	< 5	0.17	23	204	< 2	0.37	< 5	< 10	340	< 5	2	90	7
662502	0.016	4	< 5	0.01	28	169	< 2	0.19	< 5	< 10	132	5	8	104	23
662503	0.016	3	< 5	0.09	28	150	< 2	0.20	< 5	< 10	140	< 5	10	105	32
662504	0.053	< 3	< 5	0.14	33	124	3	0.51	< 5	< 10	267	< 5	34	116	91
662505	0.054	6	< 5	0.11	33	158	2	0.43	< 5	< 10	251	< 5	21	102	61
662506	0.051	12	< 5	0.28	37	147	< 2	0.27	< 5	< 10	188	< 5	23	140	39
662507	0.061	8	< 5	0.27	34	122	< 2	0.49	< 5	< 10	269	< 5	23	144	76
662508	0.053	4	< 5	0.24	35	102	2	0.53	< 5	< 10	287	< 5	21	146	62
662509	0.057	7	< 5	0.14	35	105	< 2	0.52	< 5	< 10	265	< 5	22	151	71
662510	0.004	< 3	< 5	< 0.01	< 4	86	< 2	< 0.01	< 5	< 10	< 2	< 5	1	11	< 5
662511	0.058	5	< 5	0.33	32	131	4	0.54	< 5	< 10	269	6	21	136	67
662512	0.058	4	< 5	0.28	33	130	4	0.51	< 5	< 10	243	< 5	20	125	64
662513	0.047	5	< 5	0.23	31	131	< 2	0.22	< 5	< 10	151	< 5	20	128	28
662514	0.050	7	< 5	0.31	31	134	< 2	0.39	< 5	< 10	241	< 5	20	125	62
662515	0.052	6	< 5	0.73	32	131	< 2	0.31	< 5	< 10	220	< 5	21	138	67
662516	0.059	5	< 5	0.76	32	140	2	0.46	< 5	< 10	251	< 5	22	137	69
662517	0.063	6	< 5	1.30	35	150	4	0.52	< 5	< 10	270	< 5	24	146	77
662518	0.069	7	< 5	0.46	37	126	< 2	0.63	< 5	< 10	311	< 5	26	130	82
662519	0.064	8	< 5	0.13	37	154	< 2	0.61	< 5	< 10	306	< 5	25	113	77
662520	0.054	13	< 5	0.18	37	155	2	0.38	< 5	< 10	276	< 5	25	135	67
662521	0.050	8	< 5	0.41	37	132	8	0.42	< 5	< 10	256	< 5	24	88	59
662522	0.048	6	< 5	0.12	35	125	< 2	0.44	< 5	< 10	265	< 5	22	98	67
662523	0.043	10	< 5	0.41	36	151	3	0.56	< 5	< 10	292	< 5	19	106	49
662524	0.042	8	< 5	1.05	34	178	< 2	0.44	< 5	< 10	258	5	19	126	49
662525	0.045	4	< 5	0.10	33	147	< 2	0.50	< 5	< 10	265	< 5	19	99	50
662526	0.039	6	< 5	0.08	33	133	< 2	0.26	< 5	< 10	221	< 5	20	99	51
662527	0.043	6	< 5	0.61	33	143	< 2	0.37	< 5	< 10	250	< 5	19	122	51
662528	0.044	6	< 5	0.36	33	140	< 2	0.52	< 5	< 10	288	< 5	17	121	46
662529	0.038	6	< 5	0.15	33	132	< 2	0.49	< 5	< 10	293	5	15	114	40
662530	0.065	40	< 5	3.38	12	278	3	0.53	< 5	< 10	111	< 5	10	115	55
662531	0.041	4	< 5	0.32	33	156	< 2	0.43	< 5	< 10	253	< 5	16	105	39
662532	0.036	6	< 5	0.69	35	173	< 2	0.42	< 5	< 10	252	< 5	15	109	40
662533	0.023	6	< 5	0.24	29	173	3	0.27	< 5	< 10	175	< 5	11	103	31
662534	0.038	< 3	< 5	0.38	31	104	< 2	0.39	< 5	< 10	221	< 5	16	127	49
662535	0.034	4	< 5	0.45	30	69	< 2	0.36	< 5	< 10	206	< 5	15	144	45
662536	0.031	5	< 5	0.71	24	94	< 2	0.33	< 5	< 10	189	< 5	13	168	38
662537	0.038	4	< 5	0.49	29	118	< 2	0.39	< 5	< 10	226	< 5	16	156	43
662538	0.038	6	< 5	1.50	30	108	< 2	0.39	< 5	< 10	218	< 5	15	201	46
662539	0.036	< 3	< 5	0.22	30	102	< 2	0.38	< 5	< 10	210	5	14	116	42
662540	0.004	< 3	< 5	< 0.01	< 4	89	< 2	< 0.01	< 5	< 10	< 2	< 5	1	8	< 5
662541	0.038	< 3	< 5	0.36	32	92	< 2	0.46	< 5	< 10	256	< 5	16	113	47
662542	0.035	4	< 5	0.40	32	128	< 2	0.46	< 5	< 10	289	< 5	15	109	43
662543	0.031	7	< 5	0.11	33	154	< 2	0.35	< 5	< 10	272	< 5	15	98	39
662544	0.029	7	< 5	0.29	32	135	4	0.42	< 5	< 10	302	< 5	13	107	34
662545	0.029	7	< 5	0.17	34	149	< 2	0.39	< 5	< 10	280	< 5	13	99	33
662546	0.028	7	< 5	0.12	33	149	< 2	0.35	< 5	< 10	240	< 5	12	102	32
662547	0.025	7	< 5	0.19	30	147	< 2	0.31	< 5	< 10	213	< 5	11	106	27

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662548	0.024	10	< 5	0.08	33	179	< 2	0.30	< 5	< 10	210	< 5	11	97	25
662549	0.023	8	< 5	0.06	31	186	< 2	0.25	< 5	< 10	161	< 5	10	113	27
662550	0.024	9	< 5	0.06	31	191	< 2	0.26	< 5	< 10	162	< 5	10	107	29
662551	0.026	10	< 5	0.21	32	193	7	0.28	< 5	< 10	174	< 5	11	118	32
662552	0.027	9	< 5	0.19	32	149	3	0.30	< 5	< 10	184	< 5	12	139	33
662553	0.036	7	< 5	0.10	33	137	< 2	0.34	< 5	< 10	200	< 5	15	124	42
662554	0.042	6	< 5	0.10	32	133	< 2	0.40	< 5	< 10	213	< 5	17	124	48
662555	0.060	7	< 5	0.19	34	127	< 2	0.21	< 5	< 10	163	< 5	25	120	34
662556	0.040	6	< 5	0.13	31	155	< 2	0.33	< 5	< 10	187	6	16	126	45
662557	0.049	6	< 5	0.21	34	143	< 2	0.31	< 5	< 10	185	< 5	20	124	46
662558	0.056	9	< 5	0.66	34	149	< 2	0.48	< 5	< 10	267	< 5	21	173	63
662559	0.047	7	< 5	0.16	29	130	5	0.42	< 5	< 10	231	< 5	18	138	57
662560	0.005	< 3	< 5	< 0.01	< 4	90	< 2	< 0.01	< 5	10	< 2	< 5	1	8	< 5
662561	0.049	9	< 5	0.12	34	118	< 2	0.43	< 5	< 10	223	< 5	19	140	57
662562	0.048	7	< 5	0.14	31	131	< 2	0.45	< 5	< 10	238	< 5	18	138	58
662563	0.043	8	< 5	0.10	32	144	< 2	0.28	< 5	< 10	193	< 5	19	138	51
662564	0.045	8	< 5	0.16	31	132	< 2	0.38	< 5	< 10	229	< 5	19	157	57
662565	0.046	8	< 5	0.20	29	124	< 2	0.39	< 5	< 10	228	< 5	18	168	57
662566	0.048	18	< 5	0.21	29	144	< 2	0.39	< 5	< 10	223	< 5	18	185	59
662567	0.053	9	< 5	0.07	31	74	< 2	0.54	< 5	< 10	258	< 5	21	163	46
662568	0.069	8	< 5	0.17	37	58	< 2	0.82	< 5	< 10	336	5	28	172	60
662569	0.052	33	< 5	0.19	31	88	< 2	0.51	< 5	< 10	231	8	19	319	60
662570	0.004	< 3	< 5	0.01	< 4	89	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	12	< 5
662571	0.045	44	< 5	0.20	28	114	< 2	0.34	< 5	< 10	194	< 5	18	250	46
662572	0.041	33	< 5	0.16	27	175	< 2	0.41	< 5	< 10	200	< 5	17	198	50
662573	0.046	20	< 5	0.30	28	160	< 2	0.44	< 5	< 10	223	< 5	20	217	61
662574	0.051	11	< 5	0.29	29	150	7	0.46	< 5	< 10	223	< 5	18	190	59
662575	0.042	11	< 5	0.10	28	102	< 2	0.42	< 5	< 10	226	< 5	16	189	48
662576	0.049	5	< 5	0.11	32	92	5	0.47	< 5	< 10	238	< 5	18	166	57
662577	0.044	18	< 5	0.13	28	90	7	0.43	< 5	< 10	220	5	16	168	53
662578	0.048	7	< 5	0.16	29	109	< 2	0.28	< 5	< 10	170	< 5	17	138	47
662579	0.044	10	< 5	0.30	29	152	< 2	0.33	< 5	< 10	173	< 5	17	143	43
662580	0.044	7	< 5	0.15	28	132	< 2	0.40	< 5	< 10	208	< 5	16	124	52
662581	0.041	5	< 5	0.26	25	121	8	0.41	< 5	< 10	210	< 5	16	142	50
662582	0.047	6	< 5	0.20	27	140	< 2	0.44	< 5	< 10	220	< 5	17	130	53
662583	0.046	5	< 5	0.17	27	133	3	0.43	< 5	< 10	219	< 5	17	125	51
662584	0.071	4	< 5	0.09	32	160	< 2	0.59	< 5	< 10	326	< 5	28	78	133
662585	0.075	6	< 5	0.07	34	217	< 2	0.18	< 5	< 10	241	< 5	34	72	74
662586	0.041	4	< 5	0.05	31	217	2	0.19	< 5	< 10	233	< 5	21	105	71
662587	0.022	< 3	< 5	0.01	33	170	< 2	0.22	< 5	< 10	169	< 5	10	125	40
662588	0.068	< 3	< 5	0.12	29	197	7	0.24	< 5	< 10	131	< 5	28	101	59
662589	0.021	< 3	< 5	0.07	20	239	< 2	0.24	< 5	< 10	133	< 5	10	110	33
662590	0.063	42	< 5	3.31	12	277	< 2	0.44	< 5	< 10	98	< 5	11	115	55
662591	0.009	< 3	< 5	0.05	33	131	4	0.26	< 5	< 10	304	< 5	4	164	15
662592	0.019	< 3	< 5	0.13	48	100	< 2	0.39	< 5	< 10	299	< 5	6	162	29
662593	0.005	< 3	< 5	< 0.01	44	34	< 2	0.17	< 5	< 10	134	< 5	4	141	15
662594	0.007	< 3	< 5	< 0.01	31	100	< 2	0.14	< 5	< 10	105	5	4	128	13
662595	0.009	5	< 5	0.07	33	99	3	0.16	< 5	< 10	128	< 5	4	137	16
662596	0.007	< 3	< 5	0.05	28	110	4	0.22	< 5	< 10	225	< 5	4	162	11
662597	0.008	< 3	< 5	< 0.01	31	51	< 2	0.14	< 5	< 10	129	< 5	4	164	14
662598	0.008	< 3	< 5	< 0.01	31	81	< 2	0.15	< 5	< 10	128	< 5	5	164	18

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662599	0.008	< 3	< 5	< 0.01	28	96	< 2	0.14	< 5	< 10	116	< 5	5	170	15
662600	0.005	< 3	< 5	< 0.01	< 4	97	< 2	0.01	< 5	10	3	< 5	2	8	< 5
662601	0.009	< 3	< 5	< 0.01	25	144	< 2	0.15	< 5	< 10	126	< 5	5	173	15
662602	0.008	< 3	< 5	0.05	25	148	< 2	0.14	< 5	< 10	121	< 5	4	199	13
662603	0.009	< 3	< 5	0.19	27	123	< 2	0.14	< 5	< 10	119	5	4	240	14
662604	0.009	< 3	< 5	0.04	28	111	< 2	0.15	< 5	< 10	120	6	5	243	15
662605	0.008	< 3	< 5	0.06	27	141	< 2	0.22	< 5	< 10	184	< 5	4	282	15
662606	0.009	< 3	< 5	0.08	26	139	< 2	0.14	< 5	< 10	107	7	4	265	15
662607	0.014	< 3	< 5	0.05	29	87	< 2	0.19	< 5	< 10	129	7	6	314	26
662608	0.011	< 3	< 5	0.02	30	85	< 2	0.22	< 5	< 10	151	6	6	324	23
662609	0.009	< 3	< 5	< 0.01	32	65	< 2	0.16	< 5	< 10	128	5	5	356	19
662610	0.009	< 3	< 5	< 0.01	31	68	< 2	0.16	< 5	< 10	127	6	5	362	19
662611	0.009	< 3	< 5	< 0.01	31	62	< 2	0.15	< 5	< 10	127	6	5	383	17
662612	0.008	< 3	< 5	0.06	32	59	3	0.14	< 5	< 10	121	7	4	421	13
662613	0.017	< 3	< 5	0.23	35	73	< 2	0.22	< 5	< 10	163	5	7	475	27
662614	0.009	< 3	< 5	0.22	39	87	< 2	0.24	< 5	< 10	282	8	6	500	19
662615	0.015	< 3	< 5	0.01	34	97	< 2	0.22	< 5	< 10	184	7	8	440	26
662616	0.027	< 3	< 5	0.12	34	100	3	0.42	< 5	< 10	298	< 5	12	454	43
662617	0.013	< 3	< 5	< 0.01	32	87	< 2	0.26	< 5	< 10	224	8	7	483	22
662618	0.007	< 3	< 5	0.12	44	11	< 2	0.29	< 5	< 10	304	7	6	492	14
662619	0.018	< 3	< 5	0.11	42	9	< 2	0.36	< 5	< 10	266	7	11	465	34
662620	0.065	45	< 5	3.25	12	274	< 2	0.52	< 5	< 10	110	< 5	10	112	58
662621	0.011	< 3	< 5	0.22	40	8	< 2	0.21	< 5	< 10	158	6	7	502	20
662622	0.017	< 3	< 5	0.14	31	13	< 2	0.36	< 5	< 10	141	11	21	783	68
662623	0.014	< 3	< 5	0.10	39	15	2	0.26	< 5	< 10	186	10	11	687	28
662624	0.014	< 3	< 5	0.07	34	15	< 2	0.33	< 5	< 10	154	12	17	766	48
662625	0.016	< 3	< 5	0.09	35	12	3	0.38	< 5	< 10	176	11	29	765	37
662626	0.030	< 3	< 5	0.09	38	33	8	0.37	< 5	< 10	219	12	12	741	34
662627	0.012	< 3	< 5	0.03	39	29	< 2	0.36	< 5	< 10	244	14	10	816	27
662628	0.014	< 3	< 5	0.08	43	10	< 2	0.49	< 5	< 10	303	16	9	842	32
662629	0.012	< 3	< 5	0.02	34	5	< 2	0.34	< 5	< 10	168	13	15	983	44
662630	0.005	< 3	< 5	< 0.01	< 4	93	< 2	< 0.01	< 5	< 10	2	< 5	1	12	< 5
662631	0.027	< 3	< 5	0.01	31	28	4	0.86	< 5	< 10	210	17	13	1200	46
662632	0.017	< 3	< 5	< 0.01	30	32	< 2	0.52	< 5	< 10	143	13	10	985	44
662633	0.043	< 3	< 5	0.08	36	73	14	0.78	< 5	< 10	445	12	18	811	54
662634	0.025	< 3	< 5	0.11	45	16	7	0.81	< 5	< 10	613	8	16	666	36
662635	0.027	< 3	< 5	0.24	46	31	3	0.74	< 5	< 10	587	8	15	638	37
662636	0.012	< 3	< 5	0.08	50	186	< 2	0.43	< 5	< 10	290	10	16	669	19
662637	0.020	< 3	< 5	0.04	31	212	< 2	0.32	< 5	< 10	178	5	40	330	80
662638	0.004	< 3	< 5	0.03	43	291	< 2	0.46	< 5	< 10	299	6	11	426	8
662639	0.002	< 3	< 5	0.20	40	46	2	0.63	< 5	< 10	318	8	9	596	10
662640	0.002	< 3	< 5	0.02	20	41	< 2	0.35	< 5	< 10	109	8	5	485	16
662641	0.002	< 3	< 5	0.06	34	30	3	0.88	< 5	< 10	331	10	3	682	8
662642	0.007	< 3	< 5	0.07	27	69	< 2	0.39	< 5	< 10	206	< 5	4	313	12
662643	0.009	< 3	< 5	0.38	12	289	< 2	0.11	< 5	< 10	69	< 5	3	188	12
662644	0.012	4	< 5	0.61	10	326	< 2	0.12	< 5	< 10	65	< 5	3	192	13
662645	0.017	< 3	< 5	0.48	9	334	< 2	0.14	< 5	< 10	66	< 5	4	126	16
662646	0.007	6	< 5	0.37	8	365	< 2	0.09	< 5	< 10	55	< 5	2	126	8
662647	0.006	4	< 5	0.86	9	316	7	0.07	< 5	< 10	69	< 5	3	92	7
662648	0.004	< 3	< 5	0.57	21	98	< 2	0.08	< 5	< 10	92	< 5	2	159	7
662649	0.005	< 3	< 5	0.76	20	133	< 2	0.09	< 5	< 10	136	< 5	2	171	7

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662650	0.066	43	< 5	3.33	12	284	< 2	0.54	< 5	< 10	112	< 5	11	115	57
662651	0.007	< 3	< 5	0.72	21	159	< 2	0.10	< 5	< 10	102	< 5	3	125	10
662652	0.004	< 3	< 5	0.70	23	124	< 2	0.08	< 5	< 10	94	< 5	2	140	8
662653	0.014	< 3	< 5	0.51	28	62	< 2	0.13	< 5	< 10	125	< 5	6	157	21
662654	0.004	< 3	< 5	0.32	29	33	< 2	0.09	< 5	< 10	117	< 5	3	159	8
662655	0.005	< 3	< 5	0.20	35	8	< 2	0.11	< 5	< 10	131	< 5	3	156	10
662656	0.004	< 3	< 5	0.49	30	6	< 2	0.09	< 5	< 10	116	< 5	3	215	8
662657	0.002	< 3	< 5	0.14	33	7	3	0.09	< 5	< 10	124	< 5	2	148	7
662658	0.007	< 3	< 5	0.49	29	10	< 2	0.09	< 5	< 10	107	< 5	2	228	10
662659	0.004	< 3	< 5	0.24	29	28	< 2	0.09	< 5	< 10	108	< 5	3	230	9
662660	0.003	< 3	< 5	< 0.01	< 4	112	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	8	< 5
662661	0.006	< 3	< 5	0.12	32	7	4	0.11	< 5	< 10	116	< 5	3	240	10
662662	0.008	< 3	< 5	0.30	29	49	< 2	0.11	< 5	< 10	106	< 5	3	265	12
662663	0.006	< 3	< 5	0.53	26	94	< 2	0.10	< 5	< 10	95	< 5	3	300	9
662664	0.006	< 3	11	0.40	24	135	< 2	0.10	< 5	< 10	88	5	3	319	10
662665	0.013	< 3	< 5	0.47	37	82	< 2	0.15	< 5	< 10	115	8	6	453	24
662666	0.016	< 3	< 5	0.21	39	56	< 2	0.12	< 5	< 10	129	6	3	434	18
662667	0.020	< 3	< 5	0.25	42	84	< 2	0.16	< 5	< 10	227	6	4	381	21
662668	0.010	< 3	< 5	0.08	34	39	< 2	0.22	< 5	< 10	165	< 5	5	286	17
662669	0.024	< 3	< 5	0.22	30	117	< 2	0.28	< 5	< 10	166	< 5	10	206	39
662670	0.032	3	< 5	0.44	28	142	< 2	0.30	< 5	< 10	163	< 5	12	210	54
662671	0.009	< 3	< 5	0.28	32	70	< 2	0.14	< 5	< 10	130	< 5	5	226	16
662672	0.006	< 3	< 5	0.60	18	157	< 2	0.09	< 5	< 10	90	< 5	3	242	9
662673	0.002	< 3	< 5	0.45	47	13	< 2	0.53	< 5	< 10	214	< 5	3	227	11
662674	0.001	< 3	< 5	0.85	62	8	5	0.68	< 5	< 10	214	< 5	3	195	10
662675	0.021	< 3	< 5	0.33	38	28	2	0.48	< 5	< 10	265	< 5	8	212	34
662676	0.053	< 3	< 5	0.03	36	170	< 2	0.52	< 5	< 10	296	7	21	88	86
662677	0.050	3	< 5	0.04	35	186	3	0.36	< 5	< 10	222	< 5	20	81	71
662678	0.051	< 3	< 5	0.11	34	164	6	0.64	< 5	< 10	335	< 5	18	75	63
662679	0.032	4	< 5	0.09	26	157	< 2	0.29	< 5	< 10	174	< 5	13	81	41
662680	0.041	4	< 5	0.09	25	102	< 2	0.29	< 5	< 10	142	< 5	12	116	43
662681	0.008	5	< 5	0.32	32	5	< 2	0.13	< 5	< 10	124	< 5	5	109	14
662682	0.009	< 3	< 5	0.40	25	9	< 2	0.12	< 5	< 10	109	< 5	4	125	16
662683	0.008	< 3	< 5	0.19	23	24	< 2	0.16	< 5	< 10	130	< 5	3	122	13
662684	0.009	< 3	< 5	0.18	23	17	< 2	0.19	< 5	< 10	231	< 5	3	129	13
662685	0.009	< 3	< 5	0.12	28	35	< 2	0.13	< 5	< 10	126	< 5	4	108	13
662686	0.006	< 3	< 5	0.17	31	76	< 2	0.12	< 5	< 10	112	< 5	3	101	9
662687	0.007	4	< 5	0.34	26	76	< 2	0.11	< 5	< 10	108	< 5	3	112	12
662688	0.008	< 3	< 5	0.27	28	91	< 2	0.13	< 5	< 10	118	< 5	5	90	14
662689	0.006	57	< 5	0.21	24	99	< 2	0.10	< 5	< 10	84	< 5	3	202	9
662690	0.066	40	< 5	3.41	12	280	< 2	0.54	< 5	< 10	112	< 5	10	112	56
662691	0.009	29	< 5	0.34	18	75	< 2	0.10	< 5	< 10	80	< 5	4	144	12
662692	0.006	3	< 5	0.16	14	171	3	0.09	< 5	< 10	69	< 5	3	75	9
662693	0.005	< 3	< 5	0.19	21	146	< 2	0.09	< 5	< 10	86	< 5	3	73	9
662694	0.005	15	< 5	0.17	21	149	< 2	0.10	< 5	< 10	88	< 5	3	104	9
662695	0.006	< 3	< 5	0.26	21	174	< 2	0.10	< 5	< 10	83	< 5	3	70	11
662696	0.007	< 3	< 5	0.25	33	11	< 2	0.13	< 5	< 10	127	< 5	4	103	13

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						< 3						149	166	326	9.52								6390
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						< 3						145	140	308	8.84								6330
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												48		423	10.4		2.14	1.27		963	16		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		405	10.2		2.37	1.22		964	17		8
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				42.0					47			123		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				0.9		43						75	8990	2450							11		2160
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		38						74	8920	2390							10		2160
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.4	7.04	92	221	9	< 2	0.05		99	51	6650	7.43	18	2.76	0.62	18	460	1	0.04	46
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.6	6.42	84	212	8	< 2	0.05		92	49	6160	6.70	17	3.68	0.58	16	423	< 1	0.03	43
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.24	5	193	< 1	< 2	0.19		33	444	380	14.4	22	0.42	0.25	22	504	< 1	0.10	233
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					7.93	8	190	< 1	< 2	0.19		33	506	377	14.0	21	0.41	0.24	22	524	< 1	0.09	233
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4920	1960	1220																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4510	1930	1230																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5020	1940	1230																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5070	2050	1320																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.6					18			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.8	7.48	8	421	2	15	0.49	< 0.3	24	78	4510	6.67	19	2.29	1.77	31	1010	< 1	0.32	36
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				69.1	6.16	71		1	< 2	2.05	280	30	38	3630	3.60	25	2.17	0.52	14	528	14	1.27	27
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1990	1730	242																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2010	1720	223																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1860	1690	246																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1980	1730	230																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1600	215																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.5	1.80	1520	12	< 1	< 2	2.65	< 0.3	1400	204	3170	27.5	2	0.33	2.48	18	600		0.41	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.5	1.76	1530	18	< 1	< 2	2.67	0.5	1390	209	3160	26.5	2	0.32	2.41	18	602		0.39	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	7.76		411	1	< 2	5.62		47	1260	263	7.59	16	1.33	5.00	13	1230	< 1	1.57	454
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.03		428	1	< 2	5.91		49	1350	271	7.85	18	1.36	5.18	13	1280	< 1	1.61	478
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 147 (4 Acid) Meas					5.10	16	> 1000	31	7	1.19		7	51	310	3.27	23	1.74	0.56	2140	408	2	0.98	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.15	14	> 1000	31	7	1.21		7	41	304	3.27	23	1.71	0.57	2130	410	2	0.98	20
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Meas				1.1	4.67	196		< 1	< 2	3.76		369	42	5850	19.7	18	3.12	1.14	17	3050	105	0.97	71
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.72	124	196	< 1	< 2	2.97	< 0.3	76		50	5.56	9	0.60	13.0	32	1140	3	0.74	2060
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662506 Orig	19	139	46																				
662506 Dup	20	134	53																				
662510 Orig				< 0.3	0.07	< 3	19	< 1	< 2	30.1	< 0.3	< 1	4	7	0.20	2	0.01	5.67	9	173	< 1	0.04	3
662516 Orig	26	372	115																				
662516 Dup	38	354	95																				
662520 Orig				0.5	6.58	< 3	440	< 1	< 2	5.50	0.4	54	48	713	10.3	19	1.37	3.09	32	1520	< 1	1.66	78
662520 Dup				0.4	6.95	< 3	451	< 1	< 2	5.61	0.3	55	56	745	10.5	19	1.41	3.17	33	1540	< 1	1.70	80
662526 Orig	< 2	38	21																				
662526 Dup	2	39	23																				
662531 Orig				0.7	7.72	3	202	< 1	< 2	5.78	< 0.3	66	83	1250	9.46	17	0.70	4.01	23	1450	< 1	2.08	229
662531 Dup				0.6	7.61	3	202	< 1	< 2	5.73	< 0.3	66	70	1220	9.34	18	0.70	3.96	23	1450	< 1	2.06	227
662536 Orig	30	380	116																				
662536 Dup	39	379	105																				
662544 Orig				< 0.3	7.07	4	132	< 1	< 2	6.07	< 0.3	71	35	557	10.2	17	0.41	4.35	20	1650	< 1	1.98	172
662544 Dup				< 0.3	7.18	< 3	130	< 1	< 2	6.12	< 0.3	72	35	575	10.4	17	0.42	4.42	20	1670	< 1	2.00	173
662546 Orig	7	90	38	< 0.3	7.61	< 3	231	< 1	< 2	6.08	0.3	62	46	258	9.18	16	0.61	4.33	24	1570	< 1	2.08	141
662546 Split PREP DUP	8	86	41	< 0.3	8.31	< 3	231	< 1	< 2	6.18	< 0.3	65	67	254	9.51	17	0.62	4.46	24	1610	< 1	2.18	145
662547 Orig	15	120	53																				
662547 Dup	12	125	56																				
662555 Orig	4	103	40																				
662555 Dup	5	99	43																				
662561 Orig				< 0.3	7.37	< 3	174	< 1	< 2	4.98	< 0.3	52	66	268	9.01	17	0.55	3.68	21	1680	< 1	2.67	109
662561 Dup				< 0.3	7.47	< 3	177	< 1	< 2	5.04	< 0.3	53	76	275	9.19	17	0.56	3.66	21	1700	< 1	2.72	113
662573 Orig				< 0.3	7.81	4	202	< 1	< 2	5.20	0.4	52	56	434	8.52	17	0.56	3.63	19	1830	< 1	2.71	117
662573 Dup				< 0.3	7.67	< 3	205	< 1	< 2	5.20	0.4	53	53	445	8.56	18	0.56	3.65	19	1830	< 1	2.72	118
662575 Orig	< 2	54	28																				
662575 Dup	< 2	52	36																				
662585 Orig	15	13	8																				
662585 Dup	17	17	9																				
662589 Orig				< 0.3	9.08	< 3	167	< 1	< 2	4.57	< 0.3	46	36	527	7.01	18	0.66	4.92	32	942	< 1	1.93	116
662589 Dup				< 0.3	9.58	4	177	< 1	< 2	4.71	< 0.3	48	40	562	7.52	19	0.70	5.22	34	971	< 1	2.05	120
662595 Orig	64	62	69																				
662595 Dup	65	59	73																				
662596 Orig	31	39	19	< 0.3	7.96	4	60	< 1	< 2	3.88	< 0.3	67	85	443	8.96	18	0.27	8.06	40	1330	< 1	1.21	196
662596 Split PREP DUP	28	43	33	< 0.3	7.84	< 3	58	< 1	< 2	3.81	< 0.3	67	95	431	8.89	18	0.26	8.00	40	1310	< 1	1.21	193
662599 Orig				< 0.3	6.77	4	48	< 1	< 2	4.40	< 0.3	62	171	25	8.38	12	0.20	7.45	30	1410	< 1	1.25	169
662599 Dup				< 0.3	6.85	< 3	48	< 1	< 2	4.43	< 0.3	62	155	25	8.09	13	0.21	7.55	30	1430	< 1	1.28	168
662604 Orig	22	13	43																				
662604 Dup	24	14	45																				
662614 Orig	144	< 5	< 5																				
662614 Dup	209	< 5	< 5																				
662616 Orig				< 0.3	5.31	< 3	251	< 1	< 2	4.21	< 0.3	67	49	487	10.7	15	1.16	6.66	27	1420	< 1	0.74	116
662616 Dup				< 0.3	5.40	< 3	253	< 1	< 2	4.25	< 0.3	68	40	488	10.8	16	1.17	6.73	27	1440	< 1	0.75	117

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662624 Orig	48	< 5	6																				
662624 Dup	53	< 5	< 5																				
662630 Orig				< 0.3	0.10	< 3	22	< 1	< 2	31.6	< 0.3	< 1	2	2	0.17	2	0.02	5.34	4	185	< 1	0.04	< 1
662630 Dup				< 0.3	0.10	< 3	22	< 1	< 2	31.4	< 0.3	< 1	5	2	0.17	1	0.02	5.23	4	182	< 1	0.04	2
662644 Orig	23	281	114																				
662644 Dup	24	276	107																				
662646 Orig	20	147	75	< 0.3	11.2	5	240	< 1	< 2	5.47	0.7	38	99	393	4.10	17	1.32	3.01	28	553	< 1	2.64	338
662646 Split PREP DUP	13	152	75	< 0.3	11.6	< 3	247	< 1	< 2	5.63	0.5	38	120	387	4.08	18	1.37	2.92	27	547	< 1	2.65	345
662653 Orig	50	251	75	0.9	5.46	< 3	31	< 1	< 2	4.77	0.3	90	281	1430	8.31	11	0.18	8.75	26	1390	< 1	0.70	641
662653 Dup	50	256	71	1.0	5.57	< 3	32	< 1	< 2	4.81	0.6	93	274	1470	8.44	12	0.19	8.91	27	1410	< 1	0.72	658
662655 Orig				0.8	3.11	< 3	< 7	< 1	< 2	6.23	0.4	74	423	1150	8.07	5	0.01	11.0	18	1650	< 1	0.08	610
662655 Dup				0.7	3.24	< 3	< 7	< 1	< 2	6.35	0.3	74	437	1160	8.43	7	0.01	11.4	19	1700	< 1	0.08	626
662663 Orig	59	38	27																				
662663 Dup	61	38	23																				
662673 Orig	22	79	37	0.4	6.26	4	< 7	< 1	< 2	3.27	< 0.3	67	84	548	11.6	20	0.02	8.73	24	1580	< 1	0.25	170
662673 Dup	25	80	38	0.6	6.30	6	< 7	< 1	< 2	3.28	< 0.3	68	92	550	11.6	20	0.02	8.76	24	1590	< 1	0.25	174
662683 Orig	48	214	62																				
662683 Dup	85	203	62																				
662688 Orig				0.5	6.76	< 3	45	< 1	< 2	5.88	< 0.3	66	135	952	7.47	12	0.21	7.28	36	1220	< 1	1.09	279
662688 Dup				0.6	6.75	< 3	45	< 1	< 2	5.89	< 0.3	67	136	952	7.52	13	0.21	7.30	36	1210	< 1	1.10	282
662693 Orig	30	220	90																				
662693 Dup	26	210	91																				
662696 Orig	71	344	109	0.5	5.53	3	42	< 1	< 2	3.12	< 0.3	80	157	1030	9.30	11	0.15	9.05	40	1660	< 1	0.13	263
662696 Split PREP DUP	77	337	113	0.7	5.62	< 3	44	< 1	< 2	3.16	< 0.3	79	135	1020	9.44	10	0.15	9.16	40	1660	< 1	0.14	258
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	6	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	6	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	7	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	1	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.77											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.65											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.109	23						0.36		380	85		142		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.116	23						0.33		360	79		138		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		318	< 5	16.7										1340	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.22										117	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.19										117	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.102	13	< 5	0.06	13	33			< 5	< 10	93	< 5	37	30	15
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.097	13	< 5	0.06	12	31			< 5	< 10	88	< 5	34	29	74
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.035	23	< 5	0.04	52	35		0.27	< 5	< 10	129	< 5	11	46	63
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.038	21	< 5	0.05	51	34		0.41	< 5	< 10	161	< 5	11	47	104
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		94	< 5	4.26										447	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.067	81	< 5	0.72	13	48		0.41	< 5	< 10	101	9	26	361	127
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.037	> 5000	30	4.51	6	79		0.18	< 5	< 10	36	< 5	12	> 10000	157
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		61	27		< 4	31	< 2	0.06	< 5	< 10	37	6	7	181	37
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		56	29		< 4	31	< 2	0.06	< 5	< 10	38	8	7	182	37
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.140	8	< 5	0.10	26	453		0.56		< 10	247	< 5	16	79	57
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.141	7	< 5	0.10	27	470		0.51		< 10	244	< 5	16	83	58
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 147 (4 Acid) Meas	0.102	27	17	0.02	11	325		0.22	6	< 10	48		28	146	33
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.080	28	12	0.02	11	322		0.25	8	< 10	55		28	148	18
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Meas	0.079	< 3	< 5	1.75	14	90	< 2	0.24	< 5	30	186	8	19	25	121
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	90	20	24	123
OREAS 70b (4 Acid) Meas	0.023	12	< 5	0.29	12	73		0.17	< 5	< 10	68	6	9	105	66
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
662506 Orig															
662506 Dup															
662510 Orig	0.004	< 3	< 5	< 0.01	< 4	86	< 2	< 0.01	< 5	< 10	< 2	< 5	1	11	< 5
662516 Orig															
662516 Dup															
662520 Orig	0.058	13	< 5	0.18	36	153	2	0.44	< 5	< 10	274	< 5	24	134	65
662520 Dup	0.050	13	< 5	0.18	37	157	3	0.32	< 5	< 10	277	< 5	25	137	69
662526 Orig															
662526 Dup															
662531 Orig	0.042	5	< 5	0.32	34	157	< 2	0.43	< 5	< 10	253	< 5	16	105	39
662531 Dup	0.041	4	< 5	0.32	33	156	< 2	0.43	< 5	< 10	253	< 5	16	105	40
662536 Orig															
662536 Dup															
662544 Orig	0.029	8	< 5	0.29	32	134	3	0.42	< 5	< 10	297	< 5	13	107	34
662544 Dup	0.029	6	< 5	0.30	32	136	5	0.43	< 5	< 10	308	< 5	13	107	35
662546 Orig	0.028	7	< 5	0.12	33	149	< 2	0.35	< 5	< 10	240	< 5	12	102	32
662546 Split PREP DUP	0.030	12	5	0.13	36	152	< 2	0.37	< 5	< 10	246	8	12	102	32
662547 Orig															
662547 Dup															
662555 Orig															
662555 Dup															
662561 Orig	0.050	8	< 5	0.12	33	117	3	0.50	< 5	< 10	249	< 5	19	139	63
662561 Dup	0.048	9	< 5	0.12	34	119	< 2	0.36	< 5	< 10	197	< 5	19	141	51
662573 Orig	0.046	20	< 5	0.30	28	159	< 2	0.44	< 5	< 10	224	< 5	21	216	62
662573 Dup	0.046	20	< 5	0.30	28	162	5	0.44	< 5	< 10	222	< 5	20	218	60
662575 Orig															
662575 Dup															
662585 Orig															
662585 Dup															
662589 Orig	0.021	< 3	< 5	0.07	19	234	< 2	0.23	< 5	< 10	130	< 5	10	108	32
662589 Dup	0.021	< 3	< 5	0.07	20	244	2	0.24	< 5	< 10	136	7	10	112	34
662595 Orig															
662595 Dup															
662596 Orig	0.007	< 3	< 5	0.05	28	110	4	0.22	< 5	< 10	225	< 5	4	162	11
662596 Split PREP DUP	0.007	< 3	< 5	0.05	28	107	< 2	0.21	< 5	< 10	220	< 5	3	159	13
662599 Orig	0.008	< 3	< 5	< 0.01	28	95	< 2	0.14	< 5	< 10	116	< 5	5	169	15
662599 Dup	0.007	< 3	< 5	< 0.01	29	96	< 2	0.14	< 5	< 10	116	< 5	5	170	16
662604 Orig															
662604 Dup															
662614 Orig															
662614 Dup															
662616 Orig	0.027	3	< 5	0.12	34	101	4	0.42	< 5	< 10	299	6	12	452	44
662616 Dup	0.028	< 3	< 5	0.13	34	100	2	0.42	< 5	< 10	298	< 5	12	456	41

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662624 Orig															
662624 Dup															
662630 Orig	0.004	3	< 5	< 0.01	< 4	94	< 2	< 0.01	< 5	< 10	2	< 5	1	12	< 5
662630 Dup	0.005	< 3	< 5	< 0.01	< 4	93	< 2	< 0.01	< 5	< 10	2	< 5	1	12	< 5
662644 Orig															
662644 Dup															
662646 Orig	0.007	6	< 5	0.37	8	365	< 2	0.09	< 5	< 10	55	< 5	2	126	8
662646 Split PREP DUP	0.007	< 3	< 5	0.39	8	376	< 2	0.09	< 5	< 10	54	< 5	2	126	8
662653 Orig	0.014	< 3	< 5	0.50	28	60	< 2	0.13	< 5	< 10	124	< 5	6	157	21
662653 Dup	0.014	< 3	< 5	0.51	29	63	< 2	0.14	< 5	< 10	127	< 5	6	158	22
662655 Orig	0.005	< 3	< 5	0.19	35	7	< 2	0.11	< 5	< 10	132	< 5	3	152	10
662655 Dup	0.005	< 3	< 5	0.20	36	8	< 2	0.11	< 5	< 10	129	< 5	3	160	10
662663 Orig															
662663 Dup															
662673 Orig	0.002	< 3	< 5	0.45	47	13	< 2	0.49	< 5	< 10	212	< 5	3	227	10
662673 Dup	0.002	< 3	< 5	0.45	47	13	< 2	0.57	< 5	< 10	216	< 5	3	227	13
662683 Orig															
662683 Dup															
662688 Orig	0.008	< 3	< 5	0.27	28	91	< 2	0.13	< 5	< 10	117	< 5	5	91	13
662688 Dup	0.009	3	< 5	0.27	28	91	< 2	0.13	< 5	< 10	118	< 5	5	89	14
662693 Orig															
662693 Dup															
662696 Orig	0.007	< 3	< 5	0.25	33	11	< 2	0.13	< 5	< 10	127	< 5	4	103	13
662696 Split PREP DUP	0.007	< 3	< 5	0.24	34	11	< 2	0.14	< 5	< 10	129	< 5	4	102	14
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-13312**
Report Date: **02-Sep-21**
Date Submitted: **14-Jul-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

176 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-08-05 12:28:17
1F2	QOP Total (Total Digestion ICPOES)	2021-08-08 19:01:07

REPORT **A21-13312**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662697	99	570	196	1.0	5.44	25	115	< 1	< 2	4.82	0.4	87	148	1270	8.56	10	0.25	8.90	29	1640	< 1	0.40	462
662698	119	535	148	0.9	11.3	6	276	< 1	< 2	6.61	0.5	72	60	1380	6.07	16	0.85	3.69	23	741	< 1	1.53	457
662699	103	455	132	1.2	10.9	8	217	< 1	< 2	6.88	0.5	69	82	1250	6.17	15	0.64	3.85	22	807	< 1	1.46	396
662700	< 2	< 5	< 5	< 0.3	0.07	< 3	18	< 1	< 2	29.8	< 0.3	< 1	3	3	0.09	1	< 0.01	4.60	4	153	< 1	0.04	2
662701	116	335	89	0.7	11.5	3	193	< 1	< 2	7.12	< 0.3	70	81	1020	5.81	18	0.57	3.39	22	714	< 1	1.50	304
662702	637	305	87	0.5	11.9	< 3	163	< 1	< 2	7.18	< 0.3	79	80	934	6.02	17	0.53	3.25	23	680	< 1	1.62	256
662703	83	228	69	0.5	11.8	< 3	153	< 1	< 2	7.14	< 0.3	71	76	857	5.85	16	0.50	3.12	18	692	< 1	1.67	179
662704	35	109	40	< 0.3	12.0	4	134	< 1	< 2	7.10	< 0.3	56	81	406	5.62	17	0.48	3.28	17	741	< 1	1.61	120
662705	137	167	79	0.4	12.1	3	138	< 1	3	7.19	< 0.3	79	87	675	6.42	15	0.55	3.25	16	745	< 1	1.61	180
662706	50	231	102	0.5	10.7	4	106	< 1	< 2	7.65	< 0.3	56	87	734	5.94	17	0.37	3.68	14	837	2	1.57	165
662707	75	205	73	0.6	9.79	< 3	92	< 1	< 2	7.44	< 0.3	62	118	855	6.50	15	0.36	4.23	15	939	< 1	1.41	172
662708	48	342	134	0.5	10.6	< 3	86	< 1	< 2	7.40	< 0.3	69	101	730	6.54	16	0.31	4.19	17	905	< 1	1.48	268
662709	79	220	100	0.5	10.7	< 3	81	< 1	< 2	7.96	< 0.3	65	111	742	6.28	15	0.28	4.06	13	869	< 1	1.53	209
662710	70	230	98	0.5	10.8	< 3	84	< 1	< 2	7.91	< 0.3	63	98	710	6.11	15	0.29	3.85	14	837	< 1	1.57	211
662711	38	123	60	< 0.3	10.2	3	74	< 1	< 2	7.59	< 0.3	47	102	416	6.05	15	0.26	4.42	16	958	< 1	1.42	123
662712	63	139	57	0.3	9.65	< 3	80	< 1	< 2	8.13	< 0.3	49	157	471	5.71	13	0.30	4.07	11	861	< 1	1.39	144
662713	23	117	79	< 0.3	10.4	< 3	70	< 1	< 2	7.54	< 0.3	42	75	325	5.49	14	0.23	4.26	16	884	< 1	1.52	106
662714	219	232	95	0.4	10.5	< 3	87	< 1	< 2	7.07	< 0.3	67	73	665	6.35	15	0.31	3.83	17	847	< 1	1.53	241
662715	42	141	54	< 0.3	9.62	< 3	60	< 1	< 2	8.02	< 0.3	61	90	533	6.50	15	0.21	4.48	15	1050	< 1	1.44	176
662716	39	150	55	< 0.3	9.18	< 3	109	< 1	< 2	7.83	< 0.3	50	97	387	6.17	15	0.33	4.79	13	1020	< 1	1.35	140
662717	39	166	64	< 0.3	8.69	< 3	62	< 1	< 2	7.78	< 0.3	57	142	444	6.41	14	0.23	5.25	12	1040	< 1	1.39	183
662718	48	175	63	0.3	8.30	< 3	57	< 1	< 2	7.55	0.4	52	137	445	6.07	14	0.21	5.04	13	1090	< 1	1.26	202
662719	39	270	88	< 0.3	8.03	< 3	64	< 1	< 2	6.82	< 0.3	46	130	400	6.64	13	0.34	5.33	23	1080	< 1	1.54	164
662720	166	1330	662	3.2	6.46	< 3	115	< 1	< 2	3.93	0.6	161	273	6060	13.2	14	0.57	3.76	12	1080	< 1	1.65	8090
662721	41	192	74	0.3	8.91	< 3	58	< 1	< 2	6.93	< 0.3	46	114	483	6.44	14	0.24	4.86	18	1080	< 1	1.74	208
662722	32	171	52	< 0.3	8.34	4	61	< 1	< 2	7.00	< 0.3	50	92	438	6.85	15	0.27	5.37	19	1130	< 1	1.45	153
662723	68	144	56	0.3	8.81	< 3	110	< 1	< 2	6.77	< 0.3	56	100	467	6.65	15	0.54	5.08	22	1060	< 1	1.60	189
662724	54	192	118	0.4	8.63	< 3	115	< 1	< 2	7.37	0.4	57	116	603	6.02	14	0.51	4.76	13	1030	< 1	1.51	327
662725	58	157	83	0.5	8.87	< 3	82	< 1	< 2	7.50	0.3	53	126	718	5.99	13	0.39	5.02	13	1040	< 1	1.46	361
662726	34	172	77	0.3	9.09	18	193	< 1	< 2	7.06	< 0.3	63	133	572	6.51	14	0.69	5.12	16	1040	< 1	1.55	269
662727	79	224	94	0.6	8.97	9	94	< 1	< 2	6.35	0.6	69	103	881	6.86	13	0.40	5.36	22	1120	< 1	1.39	324
662728	41	107	55	0.3	9.45	< 3	107	< 1	< 2	6.74	0.5	53	84	509	6.38	14	0.43	5.05	18	1060	< 1	1.61	180
662729	82	174	90	0.7	8.35	< 3	55	< 1	< 2	4.46	1.6	84	115	670	8.01	13	0.21	6.20	28	1180	< 1	1.86	265
662730	< 2	< 5	< 5	< 0.3	0.15	< 3	118	< 1	< 2	27.0	< 0.3	< 1	3	9	0.18	2	0.01	7.45	5	242	< 1	0.04	4
662731	141	217	125	1.1	7.43	< 3	66	< 1	< 2	5.58	0.8	84	144	1140	8.28	12	0.24	6.61	26	1300	< 1	1.06	416
662732	44	104	56	0.3	9.28	< 3	88	< 1	< 2	5.92	0.5	59	127	573	6.80	15	0.34	5.43	24	1060	< 1	1.45	245
662733	27	73	46	< 0.3	9.43	< 3	90	< 1	< 2	6.13	< 0.3	58	188	350	6.87	15	0.33	5.23	22	1090	< 1	1.47	195
662734	22	189	138	< 0.3	7.39	< 3	239	< 1	< 2	6.65	0.4	55	199	280	7.23	13	0.68	6.50	18	1340	< 1	1.21	232
662735	53	139	77	0.3	4.20	< 3	20	< 1	< 2	4.96	0.3	81	214	624	10.1	8	0.08	9.32	26	1770	< 1	0.17	376
662736	41	98	70	< 0.3	10.5	< 3	95	< 1	< 2	5.82	0.3	53	100	500	6.72	15	0.34	5.21	24	1050	< 1	1.62	241
662737	87	98	73	0.3	10.2	< 3	112	< 1	< 2	6.06	< 0.3	68	95	569	6.61	16	0.47	4.47	22	964	< 1	1.75	220
662738	62	119	66	0.3	9.20	< 3	80	< 1	< 2	5.92	0.4	72	100	588	7.13	15	0.30	5.30	22	1080	< 1	1.53	255
662739	67	166	87	0.5	6.74	< 3	50	< 1	< 2	5.64	0.5	88	169	785	8.73	11	0.22	7.08	24	1350	< 1	0.92	389
662740	71	131	68	0.5	7.79	< 3	63	< 1	< 2	5.64	< 0.3	76	216	752	7.98	13	0.27	6.32	23	1250	< 1	1.17	317
662741	80	129	69	< 0.3	8.28	3	61	< 1	< 2	5.80	< 0.3	74	199	501	7.43	14	0.25	5.78	23	1170	< 1	1.30	298
662742	4	17	16	< 0.3	9.01	4	69	< 1	< 2	7.36	< 0.3	44	129	66	6.63	15	0.27	5.10	16	1110	< 1	1.45	118
662743	80	147	97	0.5	9.64	< 3	90	< 1	< 2	6.26	0.4	77	70	875	7.17	16	0.34	4.63	21	1070	< 1	1.66	335
662744	50	94	67	0.3	8.54	< 3	75	< 1	< 2	6.10	< 0.3	64	81	505	7.53	15	0.29	5.57	22	1250	< 1	1.35	271
662745	54	56	48	< 0.3	10.1	< 3	110	< 1	< 2	6.10	< 0.3	62	69	486	7.18	15	0.49	4.64	22	1090	< 1	1.70	241
662746	29	42	36	< 0.3	10.3	6	124	< 1	< 2	5.63	0.3	52	60	358	6.78	17	0.67	4.43	28	1040	< 1	1.79	140
662747	91	61	57	0.6	9.54	< 3	183	< 1	< 2	5.59	< 0.3	75	118	942	7.21	16	0.81	4.39	26	1070	1	1.72	363

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662748	47	63	47	0.3	7.81	< 3	148	< 1	< 2	4.37	< 0.3	81	279	394	8.93	15	0.58	6.33	50	1320	< 1	1.34	333
662749	< 2	< 5	< 5	< 0.3	8.67	< 3	81	< 1	< 2	6.20	< 0.3	42	64	176	8.82	20	0.54	4.36	53	1060	< 1	1.19	106
662750	153	1390	708	3.2	6.52	< 3	84	< 1	< 2	3.97	0.8	165	222	6240	13.9	14	0.61	3.84	12	1100	1	1.65	8140
662751	< 2	< 5	< 5	< 0.3	8.64	< 3	61	< 1	< 2	6.14	< 0.3	28	24	98	7.19	18	0.21	3.09	22	903	< 1	2.62	54
662752	8	54	35	< 0.3	8.45	3	34	< 1	< 2	5.10	< 0.3	37	25	231	6.03	17	0.06	2.55	15	713	< 1	3.50	60
662753	66	< 5	< 5	0.6	7.28	< 3	19	< 1	< 2	4.74	0.6	39	6	942	7.38	16	0.04	3.82	15	1000	< 1	3.10	34
662754	12	< 5	< 5	0.6	6.55	3	13	< 1	< 2	4.99	1.2	47	7	714	7.35	13	0.04	4.40	16	997	< 1	2.81	57
662755	24	173	56	0.6	8.86	17	27	< 1	< 2	7.06	< 0.3	43	36	1500	7.39	24	0.07	2.66	15	762	< 1	2.57	90
662756	< 2	6	< 5	< 0.3	8.58	9	76	< 1	3	5.75	< 0.3	75	73	16	12.2	18	0.13	5.78	57	1610	< 1	0.04	173
662757	< 2	67	15	< 0.3	9.28	6	76	< 1	< 2	5.88	< 0.3	71	75	15	10.4	19	0.30	4.78	48	1330	< 1	0.80	206
662758	5	257	76	< 0.3	10.4	< 3	100	< 1	< 2	4.24	0.4	60	86	141	9.00	19	0.54	5.17	42	1210	< 1	1.70	282
662759	54	809	248	1.2	7.29	< 3	72	< 1	< 2	4.53	< 0.3	72	174	1570	9.06	13	0.36	6.98	29	1410	< 1	1.30	599
662760	< 2	< 5	< 5	< 0.3	0.09	< 3	67	< 1	< 2	28.1	< 0.3	< 1	2	8	0.15	2	< 0.01	7.22	4	239	< 1	0.03	4
662761	11	180	44	< 0.3	8.72	< 3	129	< 1	< 2	5.59	< 0.3	47	183	314	7.78	15	0.69	5.74	33	1210	< 1	1.59	209
662762	10	9	5	< 0.3	8.05	< 3	63	< 1	< 2	7.16	< 0.3	49	219	86	8.44	15	0.35	5.20	24	1280	< 1	1.23	172
662763	< 2	< 5	< 5	< 0.3	8.77	< 3	28	< 1	< 2	6.98	< 0.3	56	62	143	10.2	21	0.14	4.39	24	1320	< 1	0.86	68
662764	10	< 5	< 5	0.3	9.23	< 3	15	< 1	< 2	6.55	0.4	44	29	464	8.47	22	0.06	3.45	21	1160	< 1	2.33	90
662765	< 2	6	< 5	< 0.3	9.96	< 3	48	< 1	< 2	6.27	< 0.3	62	73	234	10.5	20	0.20	4.52	25	1320	< 1	1.46	72
662766	< 2	< 5	< 5	< 0.3	9.28	< 3	37	< 1	< 2	8.18	< 0.3	48	28	105	10.1	23	0.11	3.62	22	1250	< 1	1.13	65
662767	< 2	30	10	< 0.3	8.80	< 3	108	< 1	< 2	5.19	< 0.3	56	187	33	9.96	18	0.37	5.96	28	1450	< 1	1.24	131
662768	< 2	< 5	< 5	< 0.3	8.43	6	24	< 1	< 2	7.42	< 0.3	49	81	48	10.4	20	0.09	4.53	23	1360	1	0.96	88
662769	< 2	< 5	< 5	< 0.3	8.38	< 3	85	< 1	< 2	7.54	< 0.3	53	49	196	10.0	21	0.23	3.61	21	1330	< 1	1.08	54
662770	< 2	7	< 5	< 0.3	8.44	< 3	119	< 1	< 2	4.78	< 0.3	46	109	32	7.72	16	0.44	4.55	24	1270	< 1	1.96	107
662771	3	67	42	0.3	7.82	< 3	100	< 1	< 2	4.51	< 0.3	53	71	226	8.72	17	0.27	4.35	22	1290	< 1	1.68	101
662772	12	12	12	< 0.3	7.50	< 3	79	< 1	< 2	4.70	< 0.3	55	59	193	9.12	16	0.23	4.43	22	1360	< 1	1.60	103
662773	10	102	28	0.4	5.05	< 3	45	< 1	< 2	5.55	< 0.3	70	89	377	10.7	13	0.15	6.37	21	1850	< 1	0.57	157
662774	< 2	55	26	< 0.3	7.36	< 3	100	< 1	< 2	5.36	< 0.3	58	124	102	8.51	14	0.35	6.04	22	1540	< 1	1.58	150
662775	3	238	94	< 0.3	7.49	< 3	95	< 1	< 2	6.44	< 0.3	54	118	250	8.07	15	0.32	5.65	18	1390	< 1	1.52	184
662776	7	16	22	< 0.3	7.28	3	233	< 1	< 2	6.53	< 0.3	50	187	59	8.42	16	0.64	5.06	20	1380	< 1	1.38	117
662777	< 2	< 5	20	0.4	6.84	< 3	36	< 1	2	7.02	< 0.3	70	111	109	11.9	18	0.12	6.31	34	1860	< 1	0.85	160
662778	< 2	< 5	< 5	< 0.3	7.97	3	48	< 1	< 2	7.23	< 0.3	55	116	105	10.1	19	0.09	5.02	30	1480	< 1	1.53	135
662779	10	< 5	< 5	0.4	8.02	< 3	83	< 1	< 2	6.94	0.3	54	52	432	10.0	21	0.20	4.24	24	1360	< 1	1.65	65
662780	< 2	< 5	< 5	< 0.3	8.72	4	252	< 1	< 2	4.82	< 0.3	32	32	121	6.78	22	0.37	2.82	22	993	< 1	3.25	55
662781	150	1310	635	3.2	6.44	< 3	127	< 1	2	3.95	0.7	162	200	6160	13.7	13	0.59	3.81	12	1100	2	1.68	8000
662782	6	< 5	< 5	< 0.3	8.44	< 3	49	< 1	< 2	3.70	< 0.3	41	36	150	6.97	17	0.08	3.32	24	1060	< 1	3.96	79
662783	11	< 5	< 5	< 0.3	10.0	< 3	65	< 1	< 2	2.22	< 0.3	33	32	382	5.21	13	0.15	2.47	18	742	< 1	5.07	58
662784	10	< 5	< 5	< 0.3	8.58	< 3	41	< 1	< 2	4.41	< 0.3	35	29	238	6.02	13	0.11	2.85	17	893	< 1	4.45	57
662785	< 2	< 5	< 5	< 0.3	7.62	28	34	< 1	< 2	5.02	< 0.3	51	29	78	9.64	19	0.09	4.42	21	1310	< 1	2.48	74
662786	< 2	< 5	< 5	< 0.3	7.49	14	19	< 1	< 2	6.61	< 0.3	47	24	78	9.88	21	0.07	4.16	19	1350	< 1	1.88	73
662787	< 2	10	< 5	< 0.3	9.63	5	137	< 1	< 2	7.43	< 0.3	52	52	50	6.89	16	0.48	4.40	18	1050	< 1	1.51	165
662788	< 2	14	< 5	< 0.3	10.7	< 3	105	< 1	< 2	7.29	< 0.3	40	47	25	6.75	16	0.39	3.78	18	975	< 1	1.90	106
662789	< 2	21	< 5	< 0.3	10.3	< 3	142	< 1	< 2	7.47	< 0.3	38	65	31	5.99	16	0.60	3.74	18	892	< 1	1.75	102
662790	< 2	36	16	< 0.3	7.90	< 3	222	< 1	< 2	6.87	< 0.3	69	121	44	8.64	14	0.90	5.82	24	1200	< 1	1.10	226
662791	2	58	31	< 0.3	6.01	< 3	82	< 1	< 2	5.46	0.3	102	135	68	11.4	10	0.39	8.72	33	1620	< 1	0.39	414
662792	< 2	13	14	< 0.3	8.32	3	130	< 1	< 2	6.60	< 0.3	67	159	35	7.94	12	0.51	5.94	26	1150	< 1	1.19	246
662793	< 2	10	9	< 0.3	10.5	8	144	< 1	< 2	7.69	< 0.3	32	96	29	5.41	15	0.71	3.64	14	874	< 1	1.90	92
662794	< 2	16	< 5	< 0.3	9.12	< 3	87	< 1	< 2	7.42	< 0.3	34	176	16	5.83	15	0.40	4.03	13	1020	2	1.88	99
662795	< 2	28	10	< 0.3	8.73	4	86	< 1	< 2	7.37	< 0.3	35	117	78	6.54	15	0.32	3.54	11	1020	< 1	1.73	84
662796	< 2	15	10	< 0.3	7.94	< 3	84	< 1	< 2	7.44	< 0.3	40	90	71	7.16	16	0.31	3.70	13	1070	< 1	1.72	84
662797	< 2	31	< 5	< 0.3	9.53	< 3	101	< 1	< 2	7.49	< 0.3	44	130	34	6.49	15	0.38	4.75	18	990	< 1	1.66	147
662798	2	38	13	< 0.3	7.16	< 3	56	< 1	< 2	6.27	< 0.3	70	281	121	8.86	13	0.24	6.88	26	1290	< 1	1.02	361

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662799	86	648	199	< 0.3	8.54	< 3	54	< 1	< 2	5.15	0.4	71	142	723	8.32	13	0.18	6.23	27	1250	< 1	1.62	461
662800	141	1320	634	3.4	6.62	< 3	104	< 1	2	3.96	0.6	165	213	6350	14.2	13	0.61	3.90	13	1110	2	1.68	8230
662801	11	319	120	< 0.3	7.73	< 3	47	< 1	< 2	5.63	< 0.3	72	74	426	8.33	14	0.18	6.42	25	1240	< 1	1.19	316
662802	12	74	31	< 0.3	8.59	< 3	79	< 1	< 2	6.58	< 0.3	56	102	674	6.85	13	0.26	5.19	19	1090	< 1	1.79	265
662803	2	192	74	< 0.3	9.48	5	78	< 1	< 2	6.66	< 0.3	55	109	95	6.84	16	0.29	5.09	23	1080	2	1.64	214
662804	< 2	13	9	< 0.3	10.4	< 3	106	< 1	< 2	7.78	< 0.3	53	124	87	6.36	15	0.40	5.02	20	982	< 1	1.58	207
662805	< 2	8	< 5	< 0.3	9.89	3	98	< 1	< 2	8.02	< 0.3	44	378	76	5.67	15	0.35	4.57	16	913	< 1	1.60	163
662806	< 2	22	< 5	< 0.3	9.54	< 3	74	< 1	< 2	8.38	< 0.3	42	478	49	5.78	13	0.23	4.88	14	951	2	1.43	145
662807	< 2	5	< 5	< 0.3	5.46	< 3	13	< 1	< 2	6.24	< 0.3	90	256	120	8.84	9	0.03	7.93	14	1210	< 1	0.30	428
662808	< 2	51	18	< 0.3	5.69	6	< 7	< 1	< 2	6.25	< 0.3	87	80	44	9.93	10	0.02	7.67	28	1430	< 1	0.10	419
662809	38	500	166	< 0.3	11.5	3	215	< 1	< 2	7.88	< 0.3	37	21	577	3.69	16	0.54	3.01	21	534	< 1	1.63	328
662810	< 2	< 5	< 5	< 0.3	0.09	< 3	197	< 1	< 2	25.6	< 0.3	< 1	2	1	0.13	2	0.03	9.39	11	376	< 1	0.05	2
662811	21	242	73	< 0.3	11.7	< 3	159	< 1	< 2	8.39	< 0.3	34	20	515	3.40	17	0.43	2.71	20	500	< 1	1.80	243
662812	40	930	323	< 0.3	12.9	< 3	133	< 1	< 2	8.70	< 0.3	40	20	788	3.72	17	0.36	2.77	17	496	< 1	1.65	474
662813	30	798	255	< 0.3	16.6	27	232	< 1	< 2	8.56	< 0.3	36	18	559	3.57	17	0.53	2.93	19	485	< 1	1.76	351
662814	< 2	47	15	< 0.3	17.4	6	191	< 1	< 2	8.79	< 0.3	26	20	78	3.55	17	0.44	2.88	17	470	< 1	1.66	130
662815	3	61	21	< 0.3	16.0	8	168	< 1	< 2	9.31	< 0.3	24	21	120	3.23	18	0.44	2.40	15	419	< 1	1.74	123
662816	66	498	174	0.4	10.9	< 3	75	< 1	< 2	7.56	< 0.3	65	81	985	6.32	14	0.19	5.33	21	836	< 1	1.21	510
662817	10	94	34	< 0.3	10.3	5	56	< 1	< 2	5.92	< 0.3	74	83	213	7.38	14	0.19	6.48	32	1090	1	1.29	370
662818	32	398	153	0.3	10.8	< 3	73	< 1	< 2	7.38	< 0.3	61	108	675	6.88	15	0.19	5.46	25	1010	< 1	1.35	371
662819	46	472	207	0.7	8.13	< 3	34	< 1	< 2	5.94	0.4	69	329	973	7.30	12	0.08	6.37	22	1080	< 1	1.61	355
662820	109	598	218	1.0	6.12	< 3	24	< 1	< 2	5.40	0.6	75	659	2160	7.92	11	0.08	7.43	21	1240	< 1	1.37	692
662821	125	591	202	1.3	6.23	< 3	23	< 1	3	5.62	0.6	80	531	2890	8.06	11	0.07	7.53	21	1230	< 1	1.40	749
662822	109	260	78	1.1	6.44	< 3	15	< 1	< 2	5.39	0.9	79	433	2250	8.28	12	0.05	7.54	24	1300	< 1	1.23	868
662823	28	263	72	0.5	7.53	3	76	< 1	< 2	5.10	0.5	69	395	1040	7.94	14	0.25	7.17	27	1240	< 1	1.46	696
662824	4	20	11	< 0.3	8.41	< 3	110	< 1	< 2	5.06	< 0.3	56	143	228	7.48	16	0.42	5.61	25	1100	< 1	1.79	193
662825	6	34	10	< 0.3	6.99	< 3	29	< 1	2	5.18	< 0.3	70	80	205	10.1	17	0.11	7.21	30	1390	< 1	0.79	122
662826	5	10	< 5	< 0.3	10.5	< 3	47	< 1	< 2	5.43	< 0.3	54	47	112	8.70	20	0.14	5.44	25	1210	1	1.57	82
662827	< 2	12	6	< 0.3	19.0	< 3	468	< 1	< 2	5.96	< 0.3	20	32	55	4.42	21	1.01	2.43	23	569	2	3.20	49
662828	< 2	< 5	< 5	< 0.3	11.1	< 3	234	< 1	< 2	6.19	< 0.3	25	32	96	5.28	20	0.49	2.09	19	676	1	3.17	44
662829	< 2	< 5	< 5	< 0.3	10.5	< 3	118	< 1	< 2	6.44	< 0.3	32	18	78	7.00	22	0.35	2.79	20	954	< 1	2.75	31
662830	135	1260	652	3.4	6.62	< 3	98	< 1	3	3.97	0.8	166	211	6400	14.1	14	0.61	3.92	13	1100	2	1.67	8270
662831	< 2	9	< 5	< 0.3	10.5	< 3	51	< 1	< 2	4.61	< 0.3	21	73	12	5.56	14	0.16	2.17	17	716	< 1	4.29	30
662832	< 2	< 5	< 5	< 0.3	8.51	< 3	25	< 1	< 2	12.2	< 0.3	15	25	243	9.08	30	0.09	1.82	6	1070	< 1	0.48	13
662833	< 2	< 5	< 5	< 0.3	8.38	3	20	< 1	< 2	7.35	< 0.3	34	24	91	6.98	18	0.07	2.34	7	878	< 1	3.11	32
662834	< 2	< 5	< 5	< 0.3	8.70	< 3	83	< 1	< 2	6.31	< 0.3	47	22	125	8.97	20	0.29	3.18	20	1170	< 1	2.19	30
662835	2	< 5	< 5	< 0.3	8.81	< 3	114	< 1	< 2	6.91	< 0.3	35	27	254	7.70	21	0.34	2.73	16	1040	< 1	2.51	47
662836	< 2	< 5	< 5	< 0.3	6.87	< 3	564	2	< 2	5.59	0.5	47	28	126	14.9	24	1.60	2.56	22	2540	< 1	1.68	35
662837	< 2	< 5	< 5	< 0.3	5.58	< 3	160	< 1	< 2	1.76	< 0.3	15	13	51	7.09	20	0.47	1.05	13	977	< 1	2.95	5
662838	11	32	9	0.5	5.66	5	91	< 1	< 2	1.85	< 0.3	14	15	301	5.23	18	0.26	0.76	9	720	1	3.39	18
662839	227	783	311	3.5	6.30	< 3	426	1	3	2.97	3.4	68	20	5780	12.8	25	1.25	1.96	20	1630	2	2.20	417
662840	< 2	5	< 5	< 0.3	0.05	< 3	439	< 1	< 2	24.2	< 0.3	< 1	9	42	0.13	1	0.02	10.8	9	393	< 1	0.03	3
662841	22	132	36	1.0	7.41	< 3	313	1	< 2	4.44	0.6	44	32	1030	9.34	21	0.97	2.45	19	1760	< 1	2.66	122
662842	37	286	126	1.3	7.56	8	166	< 1	< 2	5.80	0.8	67	56	2060	9.73	15	0.53	3.83	18	2020	< 1	2.29	246
662843	17	126	58	0.6	7.64	15	171	< 1	< 2	6.14	< 0.3	56	81	877	8.65	15	0.39	4.22	19	2000	< 1	2.31	158
662844	7	74	41	< 0.3	7.96	6	204	< 1	< 2	6.06	< 0.3	59	68	303	8.99	15	0.50	4.62	22	1900	< 1	1.92	140
662845	< 2	35	18	< 0.3	7.05	5	79	< 1	< 2	5.60	< 0.3	69	53	276	10.1	13	0.21	5.09	23	2010	< 1	1.91	143
662846	17	362	99	0.5	7.08	< 3	75	< 1	< 2	4.87	< 0.3	71	45	919	10.1	16	0.18	4.77	22	1740	< 1	1.93	225
662847	14	297	79	0.5	7.86	< 3	100	< 1	< 2	5.29	0.3	68	38	908	10.3	16	0.21	4.75	21	1700	< 1	2.04	210
662848	23	373	80	0.8	8.70	4	155	< 1	< 2	5.30	0.4	64	44	1320	9.86	17	0.35	4.36	21	1570	2	2.14	239
662849	101	814	178	1.8	7.14	4	60	< 1	3	4.94	0.8	83	53	3660	11.1	16	0.20	4.67	20	1660	< 1	1.89	444

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662850	32	582	119	0.5	7.62	< 3	122	< 1	< 2	5.24	< 0.3	70	65	1230	10.5	17	0.30	4.48	22	1640	< 1	1.91	241
662851	63	839	184	1.1	6.97	< 3	99	< 1	< 2	5.27	0.5	83	70	2370	11.8	16	0.34	4.73	21	1680	< 1	1.66	358
662852	73	1030	234	1.4	6.49	5	99	< 1	3	5.33	0.5	94	95	3220	12.4	15	0.35	5.00	20	1770	< 1	1.50	476
662853	99	1330	279	2.1	6.64	< 3	77	< 1	< 2	5.32	1.2	97	89	4760	12.6	16	0.28	5.01	19	1760	< 1	1.57	507
662854	105	1310	269	1.8	7.36	< 3	62	< 1	3	4.89	0.9	95	56	4300	12.4	17	0.22	4.90	20	1720	< 1	1.78	517
662855	75	986	212	1.6	6.86	< 3	74	< 1	< 2	5.39	0.8	95	60	3660	12.4	17	0.25	4.74	19	1730	< 1	1.53	471
662856	7	44	20	< 0.3	7.06	< 3	103	< 1	< 2	6.17	< 0.3	56	44	278	10.3	18	0.29	3.62	15	1490	< 1	1.76	101
662857	4	30	19	< 0.3	6.89	< 3	113	< 1	< 2	5.82	< 0.3	56	48	209	10.5	18	0.31	3.64	16	1520	< 1	2.06	88
662858	3	28	20	< 0.3	7.00	6	125	< 1	< 2	5.55	0.4	56	34	195	10.6	18	0.35	3.69	16	1520	1	2.12	85
662859	5	30	21	< 0.3	6.85	6	165	< 1	< 2	5.64	0.3	57	31	243	10.2	18	0.48	3.47	18	1430	< 1	1.95	90
662860	131	1360	662	3.4	6.67	< 3	104	< 1	< 2	3.94	0.8	164	223	6420	14.0	14	0.60	3.93	13	1090	3	1.74	8190
662861	3	32	23	< 0.3	7.10	< 3	298	< 1	< 2	5.85	< 0.3	57	37	169	11.0	18	0.93	3.47	22	1450	< 1	1.62	90
662862	2	28	21	< 0.3	7.18	4	308	< 1	< 2	6.13	0.4	57	49	170	11.0	19	0.97	3.68	25	1500	< 1	1.63	98
662863	< 2	40	25	< 0.3	6.68	< 3	229	< 1	< 2	5.62	< 0.3	56	49	153	10.2	18	0.67	3.58	19	1440	< 1	1.93	91
662864	4	41	19	< 0.3	6.99	< 3	236	< 1	< 2	5.58	< 0.3	59	58	233	10.5	18	0.69	3.77	20	1480	< 1	2.04	103
662865	4	39	21	< 0.3	7.02	< 3	273	< 1	3	5.83	< 0.3	57	36	238	10.7	17	0.83	3.78	21	1510	< 1	1.78	106
662866	5	48	34	< 0.3	7.27	5	301	< 1	2	5.86	< 0.3	58	44	261	10.8	19	0.91	3.76	22	1510	< 1	1.78	111
662867	5	50	26	< 0.3	7.01	< 3	260	< 1	< 2	5.61	< 0.3	58	40	209	10.4	18	0.73	3.87	20	1510	< 1	1.86	106
662868	4	57	28	< 0.3	6.91	< 3	267	< 1	< 2	5.95	< 0.3	59	43	244	10.7	18	0.78	3.91	23	1500	< 1	1.55	117
662869	< 2	47	24	< 0.3	7.29	< 3	253	< 1	< 2	6.02	< 0.3	60	57	213	10.6	18	0.73	3.99	23	1470	< 1	1.54	112
662870	< 2	< 5	< 5	< 0.3	0.05	< 3	290	< 1	< 2	23.3	< 0.3	< 1	3	< 1	0.08	< 1	< 0.01	11.7	5	386	< 1	0.02	2
662871	4	40	24	< 0.3	6.89	< 3	274	< 1	< 2	6.10	< 0.3	58	55	176	10.5	18	0.76	4.02	22	1450	< 1	1.54	109
662872	< 2	19	8	< 0.3	7.47	< 3	412	< 1	< 2	5.33	< 0.3	55	68	86	9.93	17	0.99	3.86	29	1370	< 1	1.56	110

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662697	0.006	5	< 5	0.44	30	43	< 2	0.11	< 5	< 10	107	< 5	3	93	12
662698	0.007	6	< 5	1.00	13	251	7	0.09	< 5	< 10	61	< 5	2	57	9
662699	0.008	6	< 5	1.00	13	251	< 2	0.09	< 5	< 10	65	< 5	3	58	10
662700	0.005	< 3	< 5	< 0.01	< 4	77	< 2	< 0.01	< 5	< 10	< 2	< 5	1	8	< 5
662701	0.007	5	< 5	1.05	12	257	< 2	0.08	< 5	< 10	59	5	2	51	9
662702	0.007	7	< 5	1.28	11	259	2	0.08	< 5	< 10	57	< 5	2	47	8
662703	0.008	8	< 5	1.10	11	279	3	0.08	< 5	< 10	58	< 5	2	48	9
662704	0.008	6	< 5	0.81	12	271	2	0.09	< 5	< 10	62	6	3	44	10
662705	0.008	9	< 5	1.35	13	280	3	0.10	< 5	< 10	70	< 5	3	45	11
662706	0.007	7	< 5	0.71	17	262	< 2	0.10	< 5	< 10	78	< 5	3	48	10
662707	0.006	6	< 5	0.86	23	231	3	0.10	< 5	< 10	99	< 5	4	55	11
662708	0.007	8	< 5	0.88	17	239	2	0.10	< 5	< 10	79	< 5	3	52	10
662709	0.008	9	< 5	0.92	22	236	< 2	0.11	< 5	< 10	91	< 5	4	49	12
662710	0.008	8	< 5	0.90	20	242	< 2	0.11	< 5	< 10	85	< 5	4	47	12
662711	0.006	6	< 5	0.52	19	221	< 2	0.10	< 5	< 10	78	< 5	3	49	9
662712	0.006	6	< 5	0.68	26	233	< 2	0.11	< 5	< 10	99	< 5	4	42	10
662713	0.004	5	< 5	0.44	18	214	5	0.08	< 5	< 10	69	< 5	3	47	7
662714	0.006	6	< 5	1.03	15	221	4	0.09	< 5	< 10	66	< 5	3	50	8
662715	0.004	7	< 5	0.73	21	193	< 2	0.08	< 5	< 10	79	< 5	3	58	7
662716	0.004	8	< 5	0.52	29	205	< 2	0.09	< 5	< 10	106	< 5	4	59	7
662717	0.006	7	< 5	0.57	31	190	< 2	0.10	< 5	< 10	108	< 5	4	67	11
662718	0.003	5	< 5	0.36	27	173	4	0.08	< 5	< 10	97	< 5	3	84	6
662719	0.003	6	< 5	0.27	29	161	3	0.09	< 5	< 10	97	< 5	4	88	7
662720	0.062	42	< 5	3.18	11	261	7	0.42	< 5	< 10	93	< 5	10	113	59
662721	0.005	6	< 5	0.37	27	177	< 2	0.09	< 5	< 10	90	< 5	3	78	8
662722	0.004	6	< 5	0.27	28	184	3	0.09	< 5	< 10	99	< 5	4	78	7
662723	0.004	9	< 5	0.36	25	200	5	0.10	< 5	< 10	94	< 5	4	73	7
662724	0.005	8	< 5	0.47	28	229	< 2	0.11	< 5	< 10	104	< 5	4	75	8
662725	0.005	6	< 5	0.40	29	209	2	0.10	< 5	< 10	102	< 5	4	77	7
662726	0.005	10	< 5	0.48	27	219	3	0.10	< 5	< 10	96	< 5	4	80	7
662727	0.005	8	< 5	0.63	20	193	< 2	0.09	< 5	< 10	79	< 5	3	113	8
662728	0.004	59	< 5	0.36	22	211	4	0.09	< 5	< 10	78	5	3	170	6
662729	0.004	658	< 5	0.55	21	128	3	0.08	< 5	< 10	77	8	2	431	6
662730	0.004	8	< 5	0.01	< 4	92	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	14	< 5
662731	0.007	8	< 5	0.77	23	126	< 2	0.11	< 5	< 10	94	< 5	3	213	10
662732	0.005	6	< 5	0.33	18	186	4	0.09	< 5	< 10	74	< 5	2	115	7
662733	0.005	6	< 5	0.34	18	195	6	0.10	< 5	< 10	75	< 5	2	79	8
662734	0.006	8	< 5	0.28	31	148	3	0.15	< 5	< 10	113	< 5	5	77	13
662735	0.006	9	< 5	0.25	34	14	4	0.13	< 5	< 10	118	< 5	4	94	17
662736	0.004	4	< 5	0.23	23	187	5	0.10	7	< 10	85	< 5	3	68	7
662737	0.007	5	< 5	0.58	16	216	< 2	0.09	< 5	< 10	70	< 5	2	65	8
662738	0.005	6	< 5	0.53	18	182	< 2	0.10	< 5	< 10	78	< 5	2	69	7
662739	0.006	5	< 5	0.69	26	106	< 2	0.12	< 5	< 10	104	< 5	4	82	11
662740	0.007	5	< 5	0.53	23	136	< 2	0.12	< 5	< 10	96	< 5	3	76	10
662741	0.007	6	< 5	0.46	21	151	2	0.12	< 5	< 10	94	< 5	3	73	10
662742	0.002	6	< 5	0.12	26	201	< 2	0.10	< 5	< 10	106	< 5	3	60	< 5
662743	0.008	7	< 5	0.70	17	217	< 2	0.11	< 5	< 10	79	< 5	3	76	10
662744	0.007	6	< 5	0.38	21	165	5	0.12	< 5	< 10	88	< 5	4	82	11
662745	0.009	6	< 5	0.56	18	209	< 2	0.11	< 5	< 10	79	< 5	4	76	12
662746	0.008	34	< 5	0.47	17	209	3	0.11	< 5	< 10	76	< 5	4	141	11
662747	0.009	7	< 5	0.81	17	207	< 2	0.12	< 5	< 10	80	< 5	3	88	12

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662748	0.026	17	< 5	0.55	22	107	10	0.22	< 5	< 10	113	< 5	6	98	13
662749	0.005	7	< 5	0.20	25	209	5	0.22	< 5	< 10	174	< 5	3	57	< 5
662750	0.061	45	< 5	3.29	11	275	5	0.37	< 5	< 10	87	< 5	11	113	59
662751	0.035	11	< 5	0.09	22	234	< 2	0.21	< 5	< 10	127	< 5	12	54	30
662752	0.054	13	< 5	0.21	21	181	2	0.15	< 5	10	117	< 5	20	64	35
662753	0.079	11	< 5	0.28	32	99	4	0.34	< 5	< 10	167	< 5	30	79	70
662754	0.074	99	< 5	0.32	38	72	6	0.24	< 5	< 10	142	6	28	357	27
662755	0.049	15	< 5	0.41	18	342	5	0.40	< 5	< 10	275	< 5	16	57	37
662756	0.002	8	< 5	0.06	28	39	4	0.64	< 5	< 10	309	< 5	8	144	< 5
662757	0.001	4	< 5	0.05	14	74	2	0.24	< 5	< 10	201	< 5	2	113	< 5
662758	0.006	7	< 5	0.08	13	145	< 2	0.11	< 5	< 10	137	< 5	2	148	8
662759	0.010	11	< 5	0.27	25	97	2	0.17	< 5	< 10	127	< 5	4	119	16
662760	0.004	< 3	< 5	< 0.01	< 4	95	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	10	< 5
662761	< 0.001	9	< 5	0.10	29	157	5	0.20	< 5	< 10	177	< 5	2	93	< 5
662762	< 0.001	8	< 5	0.07	36	182	5	0.33	< 5	< 10	257	< 5	3	79	< 5
662763	< 0.001	14	< 5	0.14	26	248	3	0.46	< 5	< 10	379	< 5	< 1	94	< 5
662764	0.001	26	< 5	0.09	27	299	5	0.34	< 5	< 10	252	< 5	1	129	< 5
662765	0.001	13	< 5	0.29	30	224	8	0.71	< 5	< 10	469	< 5	< 1	120	< 5
662766	0.007	19	< 5	0.12	29	310	4	0.62	< 5	< 10	422	< 5	3	90	9
662767	0.004	10	< 5	< 0.01	25	163	< 2	0.29	< 5	< 10	241	< 5	1	119	6
662768	0.001	12	< 5	0.02	25	253	3	0.43	< 5	< 10	351	6	< 1	98	< 5
662769	0.002	15	< 5	0.20	25	308	2	0.52	< 5	< 10	394	< 5	1	84	< 5
662770	0.008	7	< 5	< 0.01	19	179	4	0.14	< 5	< 10	99	6	5	87	13
662771	0.045	8	< 5	0.12	22	149	2	0.31	< 5	< 10	123	< 5	17	89	86
662772	0.049	10	< 5	0.16	24	146	5	0.40	< 5	< 10	151	< 5	18	92	91
662773	0.035	9	< 5	0.11	34	85	< 2	0.39	< 5	< 10	207	< 5	14	115	42
662774	0.016	9	< 5	0.02	27	139	< 2	0.21	< 5	< 10	126	< 5	8	110	23
662775	0.016	11	< 5	0.04	34	165	4	0.22	< 5	< 10	158	< 5	9	109	24
662776	0.035	10	< 5	0.01	38	177	< 2	0.34	< 5	< 10	202	< 5	15	97	49
662777	0.111	8	< 5	0.02	48	118	11	0.83	< 5	< 10	370	< 5	34	135	143
662778	0.026	14	< 5	0.02	28	176	< 2	0.27	< 5	< 10	238	< 5	10	133	26
662779	0.004	17	< 5	0.08	31	239	9	0.69	< 5	< 10	380	< 5	2	119	< 5
662780	0.009	10	< 5	0.02	14	288	3	0.29	< 5	< 10	180	< 5	2	82	< 5
662781	0.063	44	< 5	3.25	11	270	5	0.44	< 5	< 10	95	< 5	10	114	61
662782	0.006	7	< 5	0.03	15	159	2	0.43	< 5	10	191	< 5	2	95	< 5
662783	0.003	6	< 5	0.09	11	123	5	0.28	< 5	10	128	< 5	< 1	75	< 5
662784	0.005	7	< 5	0.10	14	99	8	0.18	< 5	10	95	< 5	< 1	87	< 5
662785	0.003	7	< 5	0.14	26	118	7	0.81	< 5	< 10	366	< 5	3	101	< 5
662786	0.003	9	< 5	0.07	29	178	5	0.86	< 5	< 10	398	< 5	4	90	< 5
662787	0.016	4	< 5	0.02	21	224	< 2	0.20	< 5	< 10	121	< 5	6	63	18
662788	0.015	5	< 5	< 0.01	20	259	5	0.19	< 5	< 10	116	< 5	6	58	21
662789	0.015	4	< 5	< 0.01	20	258	4	0.17	< 5	< 10	113	< 5	6	56	19
662790	0.014	4	< 5	< 0.01	29	154	5	0.18	< 5	< 10	138	< 5	7	81	19
662791	0.013	5	< 5	0.01	20	49	< 2	0.12	< 5	< 10	91	< 5	6	115	19
662792	0.011	4	< 5	< 0.01	21	156	2	0.14	< 5	< 10	99	< 5	5	82	15
662793	0.015	6	< 5	< 0.01	24	270	7	0.17	< 5	< 10	117	< 5	8	55	27
662794	0.012	4	< 5	< 0.01	28	240	5	0.16	< 5	< 10	125	< 5	7	58	22
662795	0.030	6	< 5	0.04	28	227	< 2	0.35	< 5	< 10	196	< 5	11	57	37
662796	0.037	6	< 5	0.05	29	229	3	0.42	< 5	< 10	229	< 5	14	66	50
662797	0.012	3	< 5	0.02	25	221	6	0.15	< 5	< 10	117	< 5	6	67	18
662798	0.010	5	< 5	0.04	25	121	< 2	0.16	< 5	< 10	119	< 5	6	98	16

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662799	0.010	7	< 5	0.09	19	121	< 2	0.13	< 5	< 10	80	< 5	4	99	13
662800	0.062	45	< 5	3.35	12	274	4	0.43	< 5	< 10	94	< 5	11	116	60
662801	0.012	4	< 5	0.05	18	108	12	0.13	< 5	< 10	80	< 5	5	93	20
662802	0.007	6	< 5	0.08	19	158	6	0.11	< 5	< 10	83	< 5	4	77	10
662803	0.011	8	< 5	0.01	18	184	4	0.12	< 5	< 10	87	7	4	76	13
662804	0.013	4	< 5	0.02	18	236	< 2	0.12	< 5	< 10	84	< 5	4	62	11
662805	0.010	6	< 5	0.01	21	242	< 2	0.14	< 5	< 10	102	< 5	5	55	13
662806	0.009	5	< 5	< 0.01	26	231	< 2	0.14	< 5	< 10	114	< 5	5	54	14
662807	0.007	9	< 5	0.12	20	65	< 2	0.10	< 5	< 10	96	< 5	4	125	14
662808	0.009	7	< 5	0.02	16	47	< 2	0.10	< 5	< 10	75	< 5	4	114	11
662809	0.010	4	< 5	0.10	5	291	2	0.08	< 5	< 10	34	6	5	52	16
662810	0.003	< 3	< 5	0.02	< 4	98	< 2	< 0.01	< 5	< 10	< 2	< 5	1	12	< 5
662811	0.007	5	< 5	0.08	4	313	< 2	0.07	< 5	< 10	32	< 5	2	71	10
662812	0.007	4	< 5	0.15	4	303	< 2	0.07	< 5	< 10	31	< 5	2	53	10
662813	0.015	< 3	< 5	0.13	6	303	6	0.09	< 5	< 10	31	< 5	4	49	17
662814	0.009	< 3	< 5	0.02	6	305	< 2	0.07	< 5	< 10	32	5	3	42	11
662815	0.009	4	< 5	0.03	6	318	< 2	0.09	< 5	< 10	37	< 5	3	37	11
662816	0.008	< 3	< 5	0.21	9	214	< 2	0.08	< 5	< 10	48	< 5	4	76	14
662817	0.006	< 3	< 5	0.06	7	154	< 2	0.05	< 5	< 10	33	7	2	96	8
662818	0.008	7	< 5	0.10	8	163	< 2	0.07	< 5	< 10	42	< 5	3	90	8
662819	0.046	5	< 5	0.15	19	113	6	0.29	< 5	< 10	107	< 5	19	115	65
662820	0.010	6	< 5	0.30	26	67	< 2	0.15	< 5	< 10	118	< 5	7	114	18
662821	0.010	4	< 5	0.39	27	72	< 2	0.16	< 5	< 10	123	< 5	7	124	16
662822	0.006	4	< 5	0.33	23	68	< 2	0.09	< 5	< 10	96	< 5	3	122	9
662823	0.005	5	< 5	0.17	24	98	< 2	0.10	< 5	< 10	106	< 5	4	110	8
662824	0.020	7	< 5	0.11	22	146	< 2	0.23	< 5	< 10	131	< 5	8	90	26
662825	0.010	8	< 5	0.22	30	88	4	0.63	< 5	< 10	317	< 5	3	113	11
662826	0.007	7	< 5	0.06	17	156	< 2	0.46	< 5	< 10	244	< 5	1	113	6
662827	0.023	5	< 5	0.02	12	302	2	0.20	< 5	< 10	66	5	8	53	19
662828	0.006	8	< 5	0.03	11	266	11	0.27	< 5	< 10	151	< 5	3	60	9
662829	0.003	8	< 5	0.06	18	245	9	0.37	< 5	< 10	190	< 5	2	77	6
662830	0.064	48	< 5	3.40	11	274	5	0.46	< 5	< 10	97	< 5	10	115	59
662831	0.004	6	< 5	0.04	15	205	< 2	0.21	< 5	10	99	< 5	2	57	6
662832	0.005	11	< 5	0.07	20	1580	3	0.44	< 5	< 10	261	< 5	5	35	7
662833	0.005	9	< 5	0.19	23	220	3	0.52	< 5	10	188	< 5	4	60	< 5
662834	0.005	8	< 5	0.19	28	207	4	0.40	< 5	< 10	207	< 5	8	89	6
662835	0.006	10	< 5	0.10	22	250	3	0.30	< 5	< 10	175	< 5	8	71	8
662836	0.085	14	< 5	0.15	39	173	4	0.35	< 5	< 10	269	< 5	81	228	73
662837	0.028	7	< 5	0.11	12	119	< 2	0.35	< 5	< 10	13	< 5	71	79	18
662838	0.028	6	< 5	0.10	10	110	3	0.30	< 5	< 10	9	< 5	66	69	197
662839	0.041	33	< 5	0.89	15	112	7	0.58	< 5	< 10	211	< 5	48	312	150
662840	0.004	14	< 5	0.02	< 4	116	< 2	< 0.01	< 5	< 10	2	< 5	< 1	26	< 5
662841	0.041	12	< 5	0.18	22	165	4	0.52	< 5	< 10	306	< 5	32	161	103
662842	0.025	15	< 5	0.36	38	177	4	0.36	< 5	< 10	242	5	12	176	30
662843	0.026	12	< 5	0.16	37	191	3	0.32	< 5	< 10	203	< 5	12	138	32
662844	0.027	10	< 5	0.05	34	158	7	0.31	< 5	< 10	183	< 5	11	141	33
662845	0.034	9	< 5	0.11	29	88	4	0.35	< 5	< 10	181	< 5	13	141	41
662846	0.037	9	< 5	0.22	24	113	4	0.37	< 5	< 10	176	< 5	12	145	49
662847	0.044	10	< 5	0.25	27	119	4	0.44	< 5	< 10	200	< 5	16	145	54
662848	0.048	12	< 5	0.28	30	134	5	0.46	< 5	< 10	206	6	17	136	67
662849	0.041	11	< 5	0.68	25	111	6	0.41	< 5	< 10	193	< 5	16	173	53

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662850	0.042	10	< 5	0.23	27	121	< 2	0.31	< 5	< 10	161	< 5	17	135	40
662851	0.042	11	< 5	0.48	28	108	2	0.42	< 5	< 10	202	< 5	16	151	48
662852	0.032	12	< 5	0.68	33	91	5	0.37	< 5	< 10	204	< 5	14	163	37
662853	0.035	12	< 5	0.92	31	98	4	0.38	< 5	< 10	200	< 5	14	187	41
662854	0.042	11	< 5	0.84	26	95	6	0.40	< 5	< 10	189	< 5	14	177	47
662855	0.041	11	< 5	0.80	27	109	5	0.42	< 5	< 10	210	< 5	15	170	51
662856	0.051	10	< 5	0.12	32	154	2	0.30	< 5	< 10	202	< 5	22	100	56
662857	0.056	9	< 5	0.11	32	134	4	0.43	< 5	< 10	255	< 5	22	101	73
662858	0.062	10	< 5	0.12	31	126	4	0.60	< 5	< 10	272	6	22	104	79
662859	0.057	11	< 5	0.17	30	137	5	0.61	< 5	< 10	274	< 5	20	97	68
662860	0.065	41	< 5	3.38	11	273	7	0.52	< 5	< 10	104	< 5	10	112	60
662861	0.058	12	< 5	0.10	32	161	5	0.58	< 5	< 10	273	< 5	22	102	70
662862	0.054	14	< 5	0.09	33	164	4	0.37	< 5	< 10	247	< 5	21	105	66
662863	0.056	11	< 5	0.11	30	136	6	0.52	< 5	< 10	250	< 5	20	97	65
662864	0.054	12	< 5	0.10	32	132	6	0.49	< 5	< 10	253	< 5	21	106	66
662865	0.057	11	< 5	0.10	32	145	5	0.58	< 5	< 10	268	< 5	21	104	63
662866	0.056	9	< 5	0.10	32	148	8	0.56	< 5	< 10	267	< 5	21	100	66
662867	0.056	12	< 5	0.11	32	128	3	0.58	< 5	< 10	268	< 5	21	101	65
662868	0.048	11	< 5	0.08	30	147	2	0.35	< 5	< 10	218	< 5	20	102	60
662869	0.044	11	< 5	0.09	33	144	3	0.29	< 5	< 10	224	< 5	20	103	56
662870	0.009	< 3	< 5	< 0.01	< 4	107	< 2	< 0.01	< 5	< 10	2	< 5	< 1	16	< 5
662871	0.047	13	< 5	0.10	32	147	3	0.37	< 5	< 10	235	< 5	20	100	60
662872	0.044	12	5	0.05	25	152	2	0.34	< 5	< 10	192	< 5	15	106	43

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						< 3						146	142	321	9.43								6280
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						4						148	147	312	9.56								6260
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												47		420	10.3		2.34	1.25		953	14		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												47		405	10.1		2.07	1.21		932	18		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				42.9					64			122		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				0.9		44						75	8990	2420							9		2150
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.9	6.54	90	217	8	5	0.05		94	54	6030	6.87	17	3.72	0.59	16	455	1	0.03	44
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.02	6	189	< 1	< 2	0.19		33	465	369	14.8	19	0.42	0.24	22	513	< 1	0.09	232
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	5310	2100	1350																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4500	1910	1230																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4940	1900	1220																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4720	1920	1240																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.4					21			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.5					21			52		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.9	7.13	6	440	2	29	0.48	< 0.3	23	64	4280	6.56	19	2.46	1.72	31	974	< 1	0.31	36

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				67.8	4.94	72		1	3	2.02	277	30	30	3500	3.52	23	1.61	0.49	14	532	14	1.24	27
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	2090	1670	241																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1950	1670	220																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1950	1730	220																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2040	1660	208																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.5	1.76	1550	25	< 1	< 2	2.64	2.7	1390	274	3260	28.8	3	0.33	2.42	17	602		0.38	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.5	1.76	1500	19	< 1	< 2	2.65	2.4	1380	252	3210	28.3	5	0.34	2.42	17	639		0.38	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	7.76		408	1	< 2	5.51		45	1400	254	7.43	16	1.32	4.90	13	1230	1	1.56	428
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.19		421	1	< 2	5.82		48	1370	271	7.82	17	1.35	5.22	14	1250	1	1.58	465
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.73		411	1	< 2	5.80		50	1420	261	7.37	16	1.32	5.04	13	1220	< 1	1.55	460
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.5	6.52	3040	467	2	< 2	0.89	0.5	13	84	43	3.51	16	2.04	1.31	33	390	< 1	0.49	47
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					4.91	21	> 1000	31	8	1.17		7	53	295	3.20	21	1.65	0.55	2140	394	5	0.95	21
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.16	22	> 1000	32	7	1.22		7	50	311	3.34	21	1.72	0.57	2220	411	6	0.98	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				2.2	4.74	307		< 1	4	3.82		372	31	5860	21.2	17	3.31	1.17	17	3070	141	0.97	69
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 70b (4 Acid) Meas				0.3	3.87	34	183	< 1	< 2	2.82	0.4	73		47	5.46	9	0.58	12.8	33	1080	2	0.74	1870
OREAS 70b (4 Acid) Cert				0.2	3.87	150	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
OREAS 70b (4 Acid) Meas				< 0.3	3.71	130	192	< 1	< 2	2.97	< 0.3	77		49	5.73	8	0.57	13.0	32	1090	4	0.73	2050
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662706 Orig	53	232	100																				
662706 Dup	46	230	105																				
662710 Orig				0.5	10.8	< 3	84	< 1	< 2	7.95	< 0.3	64	99	710	6.17	16	0.29	3.87	14	839	< 1	1.58	212
662710 Dup				0.5	10.8	< 3	83	< 1	2	7.87	0.3	63	97	711	6.06	14	0.29	3.84	13	835	< 1	1.55	210
662716 Orig	35	150	55																				
662716 Dup	42	150	55																				
662720 Orig				3.1	6.50	< 3	111	< 1	< 2	3.92	0.6	161	308	6010	13.0	13	0.57	3.74	12	1110	4	1.65	8020
662720 Dup				3.2	6.42	< 3	119	< 1	5	3.95	0.7	161	239	6100	13.4	14	0.58	3.79	12	1050	< 1	1.65	8160
662726 Orig	46	168	78																				
662726 Dup	22	177	76																				
662731 Orig				0.8	7.39	< 3	66	< 1	< 2	5.55	1.2	84	141	1140	8.23	12	0.24	6.55	25	1300	< 1	1.05	414
662731 Dup				1.3	7.48	12	67	< 1	< 2	5.60	0.5	84	147	1130	8.33	13	0.24	6.67	26	1300	< 1	1.07	417
662736 Orig	42	97	68																				
662736 Dup	40	99	72																				
662744 Orig				0.3	8.55	< 3	75	< 1	< 2	6.11	< 0.3	64	78	509	7.47	15	0.29	5.57	22	1250	< 1	1.35	273
662744 Dup				0.3	8.53	5	75	< 1	< 2	6.10	< 0.3	64	83	502	7.60	15	0.30	5.56	22	1240	< 1	1.35	269
662746 Orig	29	42	36	< 0.3	10.3	6	124	< 1	< 2	5.63	0.3	52	60	358	6.78	17	0.67	4.43	28	1040	< 1	1.79	140
662746 Split PREP DUP	25	37	30	< 0.3	9.49	< 3	125	< 1	< 2	5.63	< 0.3	48	95	303	6.82	16	0.65	4.34	28	1070	1	1.80	127
662747 Orig	88	63	56																				
662747 Dup	93	58	58																				
662755 Orig	25	169	52																				
662755 Dup	23	178	60																				
662761 Orig				< 0.3	8.91	< 3	130	< 1	< 2	5.61	< 0.3	47	141	312	7.82	16	0.70	5.77	34	1210	< 1	1.61	212
662761 Dup				< 0.3	8.53	< 3	128	< 1	< 2	5.56	< 0.3	46	226	316	7.73	15	0.69	5.71	33	1210	< 1	1.58	206
662773 Orig				0.4	5.05	< 3	45	< 1	< 2	5.56	0.4	69	86	380	10.6	13	0.15	6.37	21	1840	< 1	0.57	158
662773 Dup				0.5	5.05	< 3	45	< 1	< 2	5.53	< 0.3	70	92	374	10.8	12	0.15	6.38	21	1860	< 1	0.57	157
662775 Orig	4	241	86																				
662775 Dup	3	235	102																				
662785 Orig	< 2	< 5	< 5																				
662785 Dup	< 2	< 5	< 5																				
662789 Orig				< 0.3	10.3	< 3	140	< 1	< 2	7.47	< 0.3	38	64	30	5.90	15	0.60	3.71	17	891	< 1	1.73	101
662789 Dup				< 0.3	10.2	5	143	< 1	< 2	7.48	< 0.3	38	65	31	6.07	17	0.60	3.77	18	893	3	1.78	102
662795 Orig	3	29	10																				
662795 Dup	< 2	28	11																				
662796 Orig	< 2	15	10	< 0.3	7.94	< 3	84	< 1	< 2	7.44	< 0.3	40	90	71	7.16	16	0.31	3.70	13	1070	< 1	1.72	84
662796 Split PREP DUP	< 2	17	7	< 0.3	7.97	< 3	84	< 1	< 2	7.48	< 0.3	40	95	73	7.19	17	0.31	3.77	13	1100	< 1	1.72	85
662799 Orig				< 0.3	8.58	< 3	54	< 1	< 2	5.16	0.4	71	165	729	8.26	14	0.18	6.25	28	1250	< 1	1.65	461
662799 Dup				0.4	8.50	< 3	54	< 1	< 2	5.14	0.4	71	118	716	8.37	12	0.19	6.21	27	1240	< 1	1.60	462
662804 Orig	< 2	13	7																				
662804 Dup	< 2	13	10																				
662814 Orig	< 2	48	13																				
662814 Dup	< 2	45	16																				
662816 Orig				0.4	11.0	< 3	74	< 1	< 2	7.56	0.3	64	79	975	6.28	13	0.19	5.28	21	831	< 1	1.19	506

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662816 Dup				0.4	10.8	< 3	75	< 1	< 2	7.57	< 0.3	65	82	995	6.37	14	0.19	5.37	22	842	< 1	1.22	514
662824 Orig	3	20	11																				
662824 Dup	4	21	11																				
662830 Orig				3.3	6.63	6	95	< 1	3	3.98	0.7	164	211	6370	14.0	14	0.60	3.92	13	1090	2	1.67	8130
662830 Dup				3.4	6.60	< 3	102	< 1	2	3.95	0.9	168	210	6440	14.3	14	0.62	3.92	13	1120	3	1.67	8410
662844 Orig	7	74	40																				
662844 Dup	6	75	42																				
662846 Orig	17	362	99	0.5	7.08	< 3	75	< 1	< 2	4.87	< 0.3	71	45	919	10.1	16	0.18	4.77	22	1740	< 1	1.93	225
662846 Split PREP DUP	18	367	110	0.5	8.17	< 3	77	< 1	< 2	5.08	0.3	73	53	972	10.5	16	0.20	4.98	24	1780	< 1	2.02	243
662853 Orig	101	1330	286	2.1	6.60	< 3	77	< 1	2	5.30	1.3	98	89	4840	12.5	16	0.28	5.00	19	1750	< 1	1.57	506
662853 Dup	97	1320	273	2.1	6.68	< 3	77	< 1	< 2	5.33	1.1	96	88	4680	12.7	16	0.28	5.03	20	1770	< 1	1.57	508
662855 Orig				1.6	6.89	< 3	74	< 1	< 2	5.41	0.6	94	56	3670	12.5	17	0.25	4.75	19	1740	< 1	1.51	471
662855 Dup				1.6	6.82	< 3	74	< 1	4	5.38	0.9	96	63	3660	12.4	17	0.24	4.73	19	1720	< 1	1.54	470
662863 Orig	< 2	41	23																				
662863 Dup	3	39	26																				
662869 Orig	< 2	46	23																				
662869 Dup	3	48	24																				
662871 Orig				< 0.3	6.97	14	272	< 1	< 2	6.10	< 0.3	58	62	174	10.4	17	0.76	4.00	22	1450	< 1	1.54	108
662871 Dup				< 0.3	6.82	< 3	276	< 1	< 2	6.10	< 0.3	58	48	177	10.6	18	0.77	4.03	22	1460	< 1	1.54	110
662872 Orig	< 2	19	8	< 0.3	7.47	< 3	412	< 1	< 2	5.33	< 0.3	55	68	86	9.93	17	0.99	3.86	29	1370	< 1	1.56	110
662872 Split PREP DUP	< 2	19	8	< 0.3	7.77	< 3	424	< 1	< 2	5.35	0.3	56	81	94	10.2	18	1.01	3.94	30	1390	< 1	1.62	112
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	< 1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	< 1	< 1	< 0.01	< 1

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.71											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.70											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.105	26						0.30		390	68		137		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.109	27						0.38		380	80		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		295	< 5	17.1										1290	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.19										119	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.104	15	< 5	0.06	12	30			< 5	< 10	83	< 5	34	29	175
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.034	27	< 5	0.04	51	34		0.24	< 5	< 10	111	< 5	11	46	63
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		91	< 5	4.33										442	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		93	< 5	4.40										448	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.063	85	< 5	0.70	12	43		0.42	< 5	< 10	96	7	26	355	125

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.034	> 5000	21	4.54	4	63		0.18	< 5	< 10	34	< 5	10	> 10000	137
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		65	20		< 4	32	7	0.06	6	< 10	36	6	7	178	39
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		66	15		< 4	32	4	0.06	< 5	< 10	36	8	7	181	38
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.137	6	< 5	0.10	26	441		0.57		< 10	234	6	17	77	45
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.144	9	< 5	0.10	26	450		0.59		< 10	248	< 5	15	81	55
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.135	9	< 5	0.10	26	436		0.57		< 10	239	< 5	16	81	49
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 247 (4 Acid) Meas	0.042	32	324	0.71	12	101		0.35	< 5	< 10	74	< 5	18	86	130
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 147 (4 Acid) Meas	0.119	26	48	0.02	10	296		0.33	8	< 10	53		27	138	69
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.122	27	58	0.02	11	309		0.36	6	< 10	57		29	146	73
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.086	18	< 5	1.79	14	90	7	0.43	< 5	40	211	82	19	25	130
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 70b (4 Acid) Meas	0.023	9	< 5	0.26	11	69		0.17	< 5	< 10	63	9	8	97	56
OREAS 70b (4 Acid) Cert	0.022	10	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66
OREAS 70b (4 Acid) Meas	0.022	16	< 5	0.29	12	69		0.18	< 5	< 10	66	7	9	100	65
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
662706 Orig															
662706 Dup															
662710 Orig	0.008	6	< 5	0.90	20	245	< 2	0.11	< 5	< 10	86	< 5	4	47	11
662710 Dup	0.008	9	< 5	0.90	20	239	< 2	0.11	< 5	< 10	85	< 5	4	47	12
662716 Orig															
662716 Dup															
662720 Orig	0.065	38	< 5	3.19	11	259	8	0.56	< 5	< 10	108	7	10	114	61
662720 Dup	0.059	46	< 5	3.18	11	263	5	0.28	< 5	< 10	79	< 5	10	113	56
662726 Orig															
662726 Dup															
662731 Orig	0.007	8	< 5	0.77	23	125	< 2	0.11	< 5	< 10	93	6	3	214	10
662731 Dup	0.007	8	< 5	0.78	24	126	< 2	0.11	< 5	< 10	95	< 5	3	212	10
662736 Orig															
662736 Dup															
662744 Orig	0.007	7	< 5	0.38	21	164	7	0.12	< 5	< 10	88	< 5	4	81	11
662744 Dup	0.007	5	< 5	0.38	21	166	3	0.12	< 5	< 10	88	< 5	4	82	11
662746 Orig	0.008	34	< 5	0.47	17	209	3	0.11	< 5	< 10	76	< 5	4	141	11
662746 Split PREP DUP	0.008	23	< 5	0.39	17	209	< 2	0.11	< 5	< 10	75	6	4	116	11
662747 Orig															
662747 Dup															
662755 Orig															
662755 Dup															
662761 Orig	0.001	8	< 5	0.10	29	157	5	0.20	< 5	< 10	178	< 5	2	96	< 5
662761 Dup	< 0.001	11	< 5	0.10	28	156	5	0.20	< 5	< 10	176	< 5	2	91	< 5
662773 Orig	0.034	10	< 5	0.10	34	84	< 2	0.39	< 5	< 10	207	< 5	14	116	40
662773 Dup	0.035	9	< 5	0.11	34	85	9	0.39	< 5	< 10	207	< 5	14	114	44
662775 Orig															
662775 Dup															
662785 Orig															
662785 Dup															
662789 Orig	0.015	5	< 5	< 0.01	20	257	4	0.17	< 5	< 10	113	< 5	6	56	18
662789 Dup	0.016	4	< 5	< 0.01	20	259	4	0.17	< 5	< 10	114	6	6	56	20
662795 Orig															
662795 Dup															
662796 Orig	0.037	6	< 5	0.05	29	229	3	0.42	< 5	< 10	229	< 5	14	66	50
662796 Split PREP DUP	0.037	6	< 5	0.05	29	227	8	0.43	< 5	< 10	234	< 5	13	67	49
662799 Orig	0.010	7	< 5	0.09	19	121	3	0.13	< 5	< 10	80	< 5	4	100	13
662799 Dup	0.010	6	< 5	0.09	19	121	< 2	0.12	< 5	< 10	80	< 5	4	99	13
662804 Orig															
662804 Dup															
662814 Orig															
662814 Dup															
662816 Orig	0.008	6	< 5	0.20	9	213	4	0.08	< 5	< 10	48	< 5	4	76	14

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662816 Dup	0.008	< 3	< 5	0.21	9	216	< 2	0.08	< 5	< 10	48	< 5	4	76	13
662824 Orig															
662824 Dup															
662830 Orig	0.062	49	< 5	3.39	11	272	5	0.41	< 5	< 10	91	< 5	11	114	58
662830 Dup	0.065	48	< 5	3.40	11	276	5	0.51	< 5	< 10	103	< 5	10	116	59
662844 Orig															
662844 Dup															
662846 Orig	0.037	9	< 5	0.22	24	113	4	0.37	< 5	< 10	176	< 5	12	145	49
662846 Split PREP DUP	0.038	11	< 5	0.25	26	116	2	0.38	< 5	< 10	183	< 5	13	152	42
662853 Orig	0.035	13	< 5	0.92	31	97	5	0.38	< 5	< 10	199	< 5	14	187	41
662853 Dup	0.035	11	< 5	0.92	31	98	4	0.38	< 5	< 10	202	< 5	14	188	41
662855 Orig	0.041	11	< 5	0.79	28	110	5	0.42	< 5	< 10	211	< 5	15	170	51
662855 Dup	0.041	11	< 5	0.80	27	109	5	0.42	< 5	< 10	209	< 5	16	170	52
662863 Orig															
662863 Dup															
662869 Orig															
662869 Dup															
662871 Orig	0.047	13	< 5	0.10	32	146	3	0.34	< 5	< 10	234	< 5	20	100	59
662871 Dup	0.048	13	< 5	0.09	32	148	3	0.40	< 5	< 10	237	< 5	20	100	60
662872 Orig	0.044	12	5	0.05	25	152	2	0.34	< 5	< 10	192	< 5	15	106	43
662872 Split PREP DUP	0.043	10	< 5	0.05	25	154	< 2	0.33	< 5	< 10	188	< 5	15	107	43
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
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Method Blank															
Method Blank															
Method Blank															
Method Blank															
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-13562**
Report Date: **25-Aug-21**
Date Submitted: **16-Jul-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

156 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-08-12 12:49:25
1F2	QOP Total (Total Digestion ICPOES)	2021-08-23 11:15:20

REPORT **A21-13562**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662873	15	70	34	< 0.3	7.61	4	255	< 1	< 2	6.18	< 0.3	61	65	164	10.3	18	0.69	4.00	23	1510	< 1	1.46	118
662874	5	64	26	< 0.3	7.86	< 3	256	< 1	< 2	5.84	0.4	59	53	219	10.1	19	0.67	3.92	23	1500	< 1	1.74	122
662875	6	88	28	< 0.3	8.39	5	331	< 1	< 2	5.88	< 0.3	55	45	322	9.32	19	0.69	3.79	24	1470	< 1	1.89	124
662876	8	182	76	< 0.3	8.61	4	401	< 1	< 2	6.21	0.5	57	57	277	9.48	17	0.89	3.85	25	1430	< 1	1.51	129
662877	18	121	56	< 0.3	7.66	< 3	311	< 1	< 2	5.96	< 0.3	68	64	680	10.2	16	0.75	4.22	24	1550	3	1.50	175
662878	14	90	37	< 0.3	8.14	< 3	257	< 1	< 2	6.29	0.4	57	68	529	9.48	17	0.55	3.94	20	1560	4	1.78	136
662879	10	75	26	< 0.3	8.20	< 3	221	< 1	< 2	6.24	0.4	61	64	551	9.96	17	0.51	4.07	19	1740	< 1	1.89	165
662880	25	145	64	0.3	8.25	< 3	267	< 1	< 2	5.48	0.8	69	76	669	11.0	18	0.68	4.66	22	1990	1	1.97	191
662881	21	152	64	0.4	8.25	17	294	< 1	< 2	5.27	0.3	67	71	662	11.0	18	0.74	4.59	24	1970	2	2.00	189
662882	19	120	38	1.5	7.26	3	234	< 1	< 2	5.59	0.8	57	55	846	9.52	17	0.78	3.97	36	1820	< 1	2.16	168
662883	13	79	17	< 0.3	8.73	5	471	< 1	< 2	4.01	0.6	61	85	478	9.78	18	1.13	3.94	32	1860	< 1	2.79	145
662884	17	122	48	0.5	7.44	5	185	< 1	< 2	6.07	3.7	60	71	655	10.1	19	0.40	4.20	22	2060	1	2.12	179
662885	34	105	34	0.8	7.09	< 3	163	< 1	< 2	8.14	5.7	60	59	1190	9.91	23	0.42	3.94	16	2010	< 1	1.74	159
662886	15	67	25	0.4	7.45	< 3	294	< 1	< 2	5.16	1.9	58	66	627	9.36	19	0.79	4.20	24	1870	< 1	2.42	136
662887	18	113	41	0.5	7.19	< 3	287	< 1	< 2	5.93	3.1	60	79	637	9.43	19	0.67	3.99	20	1900	< 1	2.21	155
662888	29	190	65	0.7	7.72	4	292	< 1	< 2	4.98	1.0	74	113	1360	9.81	16	0.66	4.24	21	1980	< 1	2.41	225
662889	20	145	58	0.4	7.25	< 3	269	< 1	< 2	5.89	0.7	64	162	725	9.95	17	0.60	4.03	19	1970	< 1	1.99	185
662890	132	1320	650	3.1	6.52	< 3	80	< 1	3	3.94	0.9	163	195	6220	13.4	13	0.57	3.82	12	1120	< 1	1.73	8150
662891	20	226	55	0.5	7.96	3	383	< 1	< 2	6.03	0.6	66	62	930	10.2	17	0.87	3.93	21	1770	< 1	1.87	209
662892	29	180	79	0.4	7.97	14	393	< 1	< 2	6.16	0.5	67	69	848	9.86	18	0.88	4.12	22	1630	< 1	1.92	191
662893	35	201	79	0.6	7.70	11	468	< 1	< 2	6.31	0.7	67	74	1270	9.77	19	1.19	3.89	23	1560	< 1	1.79	210
662894	36	253	84	0.8	7.77	8	379	< 1	< 2	5.88	0.8	72	79	1610	10.3	18	0.96	3.91	23	1550	< 1	1.92	237
662895	35	215	70	0.7	7.74	< 3	382	< 1	< 2	5.55	1.4	67	74	1300	9.99	18	0.97	3.96	25	1500	< 1	1.94	232
662896	35	196	52	0.6	8.41	6	366	< 1	< 2	5.42	1.6	64	122	1220	9.96	18	1.04	3.95	26	1470	< 1	1.93	227
662897	26	248	82	0.5	7.92	3	342	< 1	< 2	5.87	0.7	69	66	1190	10.4	19	0.95	4.05	24	1480	< 1	1.89	232
662898	12	107	37	0.4	7.70	4	285	< 1	< 2	4.92	< 0.3	61	73	683	10.0	18	0.80	4.26	29	1510	< 1	2.18	178
662899	13	132	48	< 0.3	8.21	< 3	224	< 1	3	5.49	0.5	58	78	578	9.87	18	0.62	4.16	24	1470	< 1	2.30	153
662900	< 2	< 5	< 5	< 0.3	0.05	< 3	528	< 1	< 2	22.2	< 0.3	< 1	4	2	0.08	< 1	0.01	12.0	12	413	< 1	0.03	< 1
662901	15	152	54	0.3	8.07	< 3	363	< 1	< 2	5.67	0.4	64	67	951	9.69	18	1.02	4.00	26	1380	< 1	1.88	192
662902	34	208	70	0.6	7.30	4	105	< 1	< 2	6.26	1.1	94	106	1670	11.0	17	0.81	3.80	21	1280	< 1	1.61	320
662903	27	188	60	0.6	7.71	< 3	380	< 1	< 2	5.32	1.8	73	77	1180	10.3	19	1.09	4.04	30	1520	< 1	1.51	214
662904	22	173	63	0.4	8.44	< 3	430	< 1	< 2	5.63	0.7	67	76	961	10.1	17	1.25	4.28	31	1450	< 1	1.48	200
662905	28	272	83	0.5	7.60	3	301	< 1	< 2	5.93	1.0	74	137	1210	10.3	16	0.90	4.44	25	1370	< 1	1.37	261
662906	29	146	54	0.6	8.23	12	328	< 1	< 2	5.82	0.9	73	62	1240	10.2	17	1.00	4.23	26	1350	< 1	1.48	195
662907	30	228	78	0.5	8.06	13	245	< 1	< 2	5.76	0.9	73	69	1240	10.2	17	0.74	4.28	23	1390	< 1	1.61	235
662908	26	172	65	0.4	7.76	8	243	< 1	< 2	5.93	0.7	66	73	1230	9.74	17	0.67	4.24	23	1360	< 1	1.77	221
662909	43	283	108	0.7	7.90	< 3	125	< 1	2	5.96	0.6	74	93	1580	10.2	17	0.40	4.06	19	1320	< 1	1.88	258
662910	27	247	79	0.5	7.64	< 3	128	< 1	< 2	5.92	0.6	72	91	1440	10.5	17	0.38	4.26	21	1370	< 1	1.93	257
662911	33	243	70	0.6	7.73	< 3	169	< 1	< 2	5.92	0.9	77	81	1550	10.7	17	0.52	4.38	22	1370	< 1	1.76	264
662912	48	253	84	0.7	7.28	4	311	< 1	2	6.18	0.7	78	88	1990	10.1	17	0.90	4.18	21	1320	< 1	1.48	302
662913	25	183	65	0.4	8.13	< 3	260	< 1	< 2	5.67	0.9	71	63	1260	10.0	17	0.68	4.18	23	1330	< 1	1.90	235
662914	31	145	49	0.5	8.01	< 3	134	< 1	< 2	5.42	0.7	78	67	1590	10.3	18	0.37	4.29	20	1390	< 1	2.32	254
662915	36	242	90	0.7	8.29	< 3	144	< 1	< 2	5.83	0.4	82	63	1570	10.2	18	0.38	4.08	19	1320	< 1	2.18	242
662916	29	224	84	0.5	8.10	5	149	< 1	3	5.66	0.9	90	81	1220	10.4	18	0.39	4.16	20	1370	< 1	2.18	234
662917	16	187	68	0.6	8.44	< 3	120	< 1	< 2	5.38	0.4	74	93	1530	10.9	17	0.36	4.72	24	1460	< 1	2.08	290
662918	34	176	61	0.4	7.48	< 3	224	< 1	< 2	5.69	0.7	65	98	915	9.70	16	0.83	4.28	33	1340	< 1	1.98	204
662919	26	182	58	0.4	7.78	< 3	264	< 1	< 2	5.89	0.9	72	84	1280	9.89	17	0.67	4.30	21	1330	< 1	2.02	217
662920	149	1310	666	3.3	6.71	< 3	69	< 1	< 2	3.96	0.9	168	204	6500	13.9	13	0.61	3.94	12	1120	< 1	1.81	8360
662921	45	312	99	0.7	7.75	< 3	191	< 1	< 2	6.26	0.5	87	79	2140	10.3	17	0.50	4.22	19	1300	< 1	1.91	297
662922	28	191	88	0.6	7.63	< 3	170	< 1	< 2	6.05	1.0	84	89	1400	10.7	17	0.45	4.36	19	1360	< 1	1.97	298
662923	20	181	83	0.3	8.40	< 3	187	< 1	< 2	5.80	0.5	69	103	881	9.75	16	0.52	4.45	21	1400	< 1	2.18	202

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662924	8	120	48	< 0.3	8.12	< 3	280	< 1	< 2	4.89	0.5	59	123	407	9.37	17	0.78	4.35	28	1360	< 1	2.35	140
662925	18	133	60	< 0.3	7.63	4	439	< 1	< 2	6.39	0.3	60	100	633	9.37	18	1.16	4.16	25	1350	< 1	1.68	170
662926	21	222	86	< 0.3	7.45	< 3	276	< 1	< 2	6.52	0.7	65	93	708	9.65	17	0.74	4.28	20	1390	< 1	1.66	182
662927	117	174	63	< 0.3	7.53	< 3	251	< 1	< 2	6.32	0.4	67	70	993	9.61	17	0.66	4.27	19	1370	2	1.87	188
662928	20	145	58	0.3	8.29	< 3	343	< 1	< 2	5.78	0.5	67	54	829	9.12	17	0.89	4.03	23	1270	< 1	2.13	193
662929	30	209	71	0.7	7.90	< 3	351	< 1	< 2	5.19	0.6	73	50	1660	9.20	16	0.95	4.22	25	1320	< 1	2.29	252
662930	< 2	< 5	< 5	< 0.3	0.07	< 3	553	< 1	< 2	22.8	< 0.3	< 1	3	3	0.11	< 1	0.02	11.6	5	393	< 1	0.03	< 1
662931	28	206	76	0.5	8.66	4	444	< 1	< 2	5.48	0.9	60	77	1290	8.62	16	0.69	3.81	24	1250	1	2.47	241
662932	13	137	42	< 0.3	9.19	11	579	< 1	< 2	5.53	0.5	57	36	795	8.19	18	0.96	3.47	26	1110	< 1	2.56	188
662933	10	101	45	< 0.3	8.04	3	335	< 1	< 2	5.58	0.4	61	69	547	9.59	17	0.88	4.19	24	1380	< 1	2.31	173
662934	7	95	43	< 0.3	8.39	< 3	244	< 1	< 2	5.38	0.4	59	61	461	9.50	17	0.65	4.34	23	1370	< 1	2.40	169
662935	11	95	33	0.3	8.86	5	358	< 1	< 2	5.78	0.3	59	73	481	8.99	18	0.89	4.07	23	1290	< 1	2.29	143
662936	71	187	66	0.4	8.31	5	374	< 1	2	6.10	0.8	74	86	1100	9.64	17	0.96	4.22	22	1340	< 1	1.98	226
662937	9	137	57	< 0.3	7.57	< 3	278	< 1	< 2	5.54	0.4	62	97	614	9.27	15	0.78	4.14	20	1370	< 1	2.41	153
662938	11	137	69	0.4	8.12	8	282	< 1	< 2	4.97	< 0.3	66	116	727	9.98	17	0.85	4.40	24	1420	< 1	2.38	178
662939	< 2	10	11	< 0.3	8.18	< 3	113	< 1	< 2	6.41	< 0.3	54	92	105	8.06	16	0.30	4.41	18	1280	< 1	1.90	108
662940	< 2	5	6	< 0.3	7.83	< 3	123	< 1	< 2	7.32	< 0.3	45	77	90	7.33	16	0.31	3.88	12	1240	< 1	1.79	97
662941	< 2	7	< 5	< 0.3	8.94	< 3	137	< 1	< 2	7.75	< 0.3	43	87	46	7.22	16	0.33	4.03	12	1200	< 1	1.62	96
662942	< 2	6	10	< 0.3	8.01	< 3	212	< 1	< 2	6.95	< 0.3	50	81	81	8.30	16	0.65	4.33	18	1270	< 1	1.37	100
662943	< 2	5	6	< 0.3	7.73	< 3	221	< 1	< 2	7.09	0.3	51	90	68	8.09	15	0.74	4.63	16	1290	< 1	1.27	109
662944	< 2	16	11	< 0.3	8.54	< 3	237	< 1	< 2	6.98	< 0.3	55	89	53	8.18	16	0.86	4.52	17	1240	< 1	1.32	131
662945	< 2	11	9	< 0.3	9.22	< 3	230	< 1	< 2	7.21	< 0.3	53	105	53	7.68	15	0.86	4.33	16	1130	< 1	1.42	136
662946	< 2	12	11	< 0.3	10.5	< 3	204	< 1	< 2	7.20	< 0.3	46	140	75	6.96	16	0.73	3.86	16	1020	< 1	1.67	111
662947	< 2	39	12	< 0.3	9.86	< 3	218	< 1	< 2	7.23	< 0.3	41	61	66	6.00	17	0.76	3.44	15	911	< 1	1.83	96
662948	< 2	33	8	< 0.3	8.68	< 3	194	< 1	< 2	7.33	< 0.3	43	66	47	6.49	16	0.68	3.80	13	988	< 1	1.81	86
662949	< 2	27	9	< 0.3	6.68	< 3	163	< 1	< 2	5.95	0.6	90	44	37	10.2	12	0.70	6.57	24	1370	< 1	0.79	280
662950	118	1320	688	3.0	6.55	< 3	74	< 1	< 2	3.90	0.9	163	220	6240	13.4	13	0.58	3.82	12	1120	2	1.74	8070
662951	< 2	26	29	< 0.3	9.82	5	139	< 1	< 2	6.56	0.4	68	17	52	8.03	16	0.48	4.44	20	1040	< 1	1.32	215
662952	< 2	29	< 5	< 0.3	10.5	5	93	< 1	< 2	6.80	< 0.3	61	39	23	7.57	17	0.27	4.36	20	986	< 1	1.46	195
662953	< 2	25	< 5	< 0.3	9.68	< 3	115	< 1	< 2	7.86	< 0.3	45	253	46	6.09	15	0.41	4.32	11	936	< 1	1.61	117
662954	< 2	20	< 5	< 0.3	9.76	< 3	123	< 1	< 2	7.83	< 0.3	41	200	27	5.67	17	0.42	3.85	13	847	< 1	1.79	122
662955	< 2	15	10	< 0.3	7.61	4	95	< 1	< 2	5.92	0.7	72	71	55	8.76	13	0.27	5.57	24	1150	< 1	1.26	208
662956	3	9	19	< 0.3	8.01	4	117	< 1	< 2	6.23	0.5	70	40	126	8.14	14	0.28	5.09	19	1080	< 1	1.42	255
662957	< 2	21	22	< 0.3	8.12	< 3	83	< 1	< 2	6.36	< 0.3	69	56	30	8.75	14	0.21	5.56	23	1110	< 1	1.24	214
662958	< 2	10	26	< 0.3	7.83	< 3	66	< 1	< 2	6.53	< 0.3	71	32	34	9.10	13	0.16	5.82	21	1140	< 1	1.32	178
662959	< 2	51	43	< 0.3	6.81	< 3	32	< 1	< 2	6.12	0.3	88	60	37	10.9	12	0.07	7.24	24	1300	< 1	0.56	320
662960	< 2	21	< 5	< 0.3	0.69	< 3	804	< 1	< 2	15.3	< 0.3	8	10	6	1.08	1	0.02	11.7	9	489	< 1	0.08	30
662961	4	71	61	< 0.3	8.16	6	68	< 1	< 2	6.38	< 0.3	74	77	83	8.22	13	0.20	5.80	19	1050	< 1	1.24	305
662962	13	223	109	< 0.3	9.10	12	75	< 1	< 2	5.84	0.7	71	51	192	8.11	15	0.23	6.17	31	1060	< 1	1.38	311
662963	43	502	208	< 0.3	6.23	5	14	< 1	< 2	4.84	0.4	109	103	776	10.3	12	0.06	9.16	44	1420	< 1	0.33	683
662964	39	355	90	< 0.3	8.25	5	61	< 1	< 2	4.73	0.4	77	129	636	8.07	12	0.30	7.54	51	1150	< 1	1.12	488
662965	135	629	184	< 0.3	6.27	< 3	18	< 1	2	4.30	< 0.3	100	182	716	9.89	11	0.13	9.80	37	1410	< 1	0.40	648
662966	8	202	175	< 0.3	6.09	< 3	13	< 1	< 2	4.68	0.3	106	141	124	10.3	9	0.08	10.1	36	1450	< 1	0.24	530
662967	16	257	207	< 0.3	7.03	< 3	50	< 1	2	5.70	0.4	86	314	143	8.60	12	0.23	8.43	30	1300	< 1	0.80	492
662968	112	1190	520	0.4	6.77	7	34	< 1	< 2	5.00	< 0.3	87	379	1150	8.73	10	0.16	8.65	31	1310	< 1	0.82	690
662969	126	1430	425	0.5	5.56	5	26	< 1	< 2	4.92	0.4	84	488	1900	8.53	8	0.13	9.11	29	1430	< 1	0.43	795
662970	176	1480	554	0.6	5.31	< 3	21	< 1	< 2	4.99	< 0.3	89	347	2270	9.04	8	0.11	9.66	30	1460	< 1	0.31	875
662971	75	923	271	0.3	7.10	< 3	44	< 1	< 2	4.91	< 0.3	74	352	1360	8.01	12	0.21	8.05	31	1240	< 1	1.06	740
662972	117	1180	285	0.6	7.05	4	49	< 1	< 2	4.98	< 0.3	75	310	2330	8.06	11	0.21	7.88	31	1260	< 1	1.07	759
662973	134	1850	620	0.9	7.64	< 3	83	< 1	< 2	4.81	< 0.3	73	234	2320	7.75	13	0.35	7.44	33	1230	< 1	1.28	772
662974	85	1130	336	0.6	6.87	< 3	69	< 1	< 2	4.36	0.4	73	275	1670	7.99	10	0.31	7.88	45	1330	< 1	0.90	608

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662975	145	1910	440	1.5	6.52	< 3	85	< 1	< 2	4.69	0.5	105	150	3480	8.48	12	0.37	7.34	36	1370	< 1	0.87	1040
662976	137	1680	462	1.1	6.94	< 3	81	< 1	< 2	4.49	0.5	91	115	2750	8.52	12	0.34	7.31	29	1400	< 1	0.97	928
662977	68	438	117	0.5	7.72	< 3	104	< 1	< 2	4.86	0.6	61	109	1270	7.71	13	0.37	6.46	36	1220	< 1	1.43	397
662978	25	328	91	< 0.3	9.87	< 3	105	< 1	< 2	5.10	0.5	60	71	759	6.68	15	0.52	4.91	25	989	< 1	1.88	344
662979	54	645	181	0.6	8.06	< 3	61	< 1	< 2	4.91	0.7	78	88	1300	8.18	14	0.24	6.18	25	1290	< 1	1.50	471
662980	199	1410	710	3.3	6.46	< 3	45	< 1	< 2	3.81	0.9	158	214	6120	13.2	12	0.57	3.77	12	1080	3	1.70	7800
662981	118	948	279	1.0	7.75	< 3	90	< 1	< 2	4.50	0.6	82	144	1920	8.48	15	0.42	6.15	27	1380	< 1	1.37	495
662982	80	380	133	0.5	7.55	< 3	77	< 1	< 2	4.99	0.4	72	169	914	8.23	14	0.33	6.48	27	1380	< 1	1.40	314
662983	125	275	98	0.6	6.33	< 3	69	< 1	< 2	4.89	0.7	88	159	1110	9.95	13	0.24	7.00	22	1510	< 1	1.05	344
662984	81	108	42	0.7	4.92	< 3	77	< 1	< 2	3.87	1.2	108	126	1240	12.3	10	0.12	8.42	23	1830	< 1	0.19	409
662985	71	68	26	0.6	5.97	< 3	78	< 1	< 2	3.10	0.5	104	110	956	12.2	13	0.16	7.74	31	1770	< 1	0.46	333
662986	68	78	28	0.5	4.26	< 3	9	< 1	3	4.62	0.5	102	115	779	11.8	10	0.05	8.50	21	1910	< 1	0.16	335
662987	45	27	8	0.3	6.65	4	89	< 1	< 2	3.96	0.4	76	71	589	10.4	12	0.26	6.84	28	1670	< 1	1.49	171
662988	40	51	20	0.5	5.50	< 3	57	< 1	< 2	4.18	0.6	99	89	828	11.5	12	0.19	7.54	28	1780	< 1	0.74	266
662989	17	39	11	< 0.3	6.73	< 3	83	< 1	< 2	3.70	0.4	80	82	505	10.3	14	0.28	6.57	27	1630	< 1	1.63	178
662990	< 2	< 5	< 5	< 0.3	0.22	< 3	782	< 1	< 2	22.3	< 0.3	2	3	21	0.35	< 1	0.03	11.6	10	435	< 1	0.05	6
662991	57	78	20	0.7	5.64	< 3	43	< 1	< 2	4.16	0.6	86	69	1020	11.2	13	0.14	7.33	23	1730	< 1	1.04	305
662992	23	57	17	0.9	3.63	< 3	465	< 1	< 2	5.24	1.7	90	77	697	11.4	9	0.02	8.62	16	1880	< 1	0.13	341
662993	40	63	22	0.6	4.85	< 3	14	< 1	< 2	4.45	0.9	95	74	838	12.9	13	0.08	7.51	24	1770	< 1	0.34	294
662994	49	93	30	0.7	6.29	< 3	131	< 1	< 2	4.33	0.6	96	83	911	11.5	14	0.37	6.06	24	1570	< 1	1.28	318
662995	36	74	25	0.6	7.43	< 3	206	< 1	< 2	3.07	0.7	92	95	885	11.6	17	0.45	5.23	30	1440	< 1	1.76	295
662996	33	100	30	0.4	6.22	< 3	162	< 1	< 2	2.33	0.5	112	282	658	14.9	16	0.61	5.88	29	1600	< 1	0.64	271
662997	52	127	51	0.9	5.21	< 3	95	< 1	4	3.23	0.8	140	65	1170	18.9	19	0.38	5.78	18	1650	< 1	0.39	381
662998	37	66	24	0.7	5.47	< 3	102	< 1	< 2	3.61	0.9	92	111	684	14.7	18	0.39	5.90	32	1620	< 1	0.63	299
662999	31	28	13	0.5	6.66	< 3	135	< 1	< 2	4.13	0.4	90	35	646	12.9	17	0.49	5.47	38	1620	< 1	1.15	197
663000	33	24	11	0.5	6.61	5	138	< 1	2	4.07	1.0	86	33	547	12.9	18	0.51	5.36	37	1590	< 1	1.16	204
1199001	4	< 5	14	< 0.3	5.55	< 3	128	< 1	< 2	4.04	0.3	78	73	80	12.0	15	0.52	6.18	34	1770	< 1	0.87	96
1199002	3	< 5	< 5	< 0.3	6.90	< 3	180	< 1	2	3.62	0.4	73	56	59	11.2	17	0.61	5.48	40	1560	< 1	1.40	84
1199003	20	23	13	0.3	5.10	< 3	123	< 1	2	3.69	0.5	97	65	327	15.4	17	0.49	6.65	33	1770	< 1	0.50	149
1199004	33	85	26	0.5	3.54	< 3	20	< 1	3	4.05	0.7	102	56	470	16.1	14	0.10	6.85	16	1930	< 1	0.15	181
1199005	14	26	8	0.3	5.93	< 3	155	< 1	< 2	1.14	< 0.3	68	17	185	10.5	18	0.50	3.18	33	999	2	1.31	127
1199006	2	9	< 5	< 0.3	4.60	< 3	105	< 1	< 2	0.82	< 0.3	32	21	41	6.02	14	0.19	1.53	21	657	< 1	1.50	41
1199007	7	33	11	< 0.3	4.94	< 3	87	< 1	< 2	1.03	< 0.3	53	21	85	6.03	14	0.25	1.68	35	670	2	1.11	91
1199008	< 2	8	< 5	< 0.3	4.51	< 3	46	< 1	< 2	0.71	< 0.3	54	23	16	7.18	13	0.10	2.38	32	753	< 1	0.54	64
1199009	14	20	7	< 0.3	5.00	< 3	117	< 1	< 2	1.24	< 0.3	68	102	194	8.38	14	0.20	3.14	35	900	< 1	0.52	240
1199010	185	1330	663	3.5	6.81	< 3	49	< 1	< 2	3.91	0.8	166	206	6560	14.0	13	0.60	3.95	12	1120	< 1	1.82	8160
1199011	16	43	11	< 0.3	5.68	< 3	210	< 1	< 2	1.08	< 0.3	47	19	163	7.30	15	0.34	1.98	26	753	2	1.22	92
1199012	31	185	60	< 0.3	5.82	< 3	79	1	< 2	0.69	< 0.3	31	33	128	6.80	15	0.08	2.11	31	644	3	1.53	93
1199013	41	117	36	< 0.3	5.12	< 3	513	< 1	< 2	0.31	< 0.3	21	22	320	5.94	13	0.44	2.05	33	557	4	0.85	38
1199014	13	26	13	< 0.3	5.73	< 3	478	< 1	< 2	0.49	< 0.3	41	20	132	8.09	16	0.51	2.77	38	809	2	0.63	46
1199015	158	171	149	1.3	5.80	< 3	343	< 1	4	2.33	1.7	135	27	1710	22.6	21	1.17	3.30	26	1180	< 1	0.13	697
1199016	187	203	112	1.8	5.46	< 3	203	< 1	4	3.14	1.2	193	67	2090	18.6	18	0.83	3.94	18	1310	< 1	0.17	735
1199017	61	113	53	0.8	5.15	< 3	135	< 1	3	3.62	0.7	161	35	1290	16.5	16	0.75	4.98	22	1540	< 1	0.26	478
1199018	72	91	56	0.6	7.16	< 3	258	< 1	< 2	4.01	0.9	96	40	942	12.7	20	0.92	4.10	26	1360	< 1	0.72	253
1199019	54	49	40	0.3	6.70	< 3	143	< 1	< 2	3.34	0.9	80	305	533	14.1	21	0.48	6.02	42	1680	< 1	0.34	290
1199020	< 2	< 5	< 5	< 0.3	0.09	< 3	550	< 1	< 2	22.4	< 0.3	< 1	4	3	0.17	< 1	0.02	12.1	7	410	< 1	0.03	1
1199021	75	32	32	0.6	8.36	< 3	136	< 1	2	4.52	0.8	75	156	654	13.8	26	0.44	5.85	43	1710	< 1	0.42	232
1199022	105	97	52	0.6	10.1	< 3	35	< 1	< 2	5.15	0.8	71	82	850	10.7	26	0.08	4.86	32	1420	< 1	1.36	299
1199023	9	97	105	< 0.3	8.80	< 3	41	< 1	< 2	5.32	0.6	60	152	132	8.45	15	0.16	5.17	27	1360	< 1	2.19	219
1199024	4	60	65	< 0.3	9.01	< 3	28	< 1	< 2	5.19	< 0.3	62	59	65	8.93	16	0.06	5.08	24	1440	< 1	2.25	210
1199025	11	19	16	< 0.3	6.97	< 3	30	< 1	< 2	5.53	0.4	50	48	168	9.41	17	0.10	3.64	16	1450	< 1	2.09	61

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199026	18	18	17	< 0.3	6.77	5	25	< 1	< 2	5.78	0.3	50	16	321	10.7	19	0.14	3.17	14	1440	< 1	2.06	34
1199027	5	18	19	< 0.3	6.86	< 3	197	< 1	< 2	6.04	0.3	52	12	239	11.3	19	0.50	2.59	16	1480	< 1	2.09	35
1199028	8	16	19	< 0.3	6.98	< 3	56	< 1	< 2	5.99	0.3	48	12	163	11.5	21	0.23	2.70	15	1530	< 1	2.06	33

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662873	0.052	4	< 5	0.10	32	158	5	0.51	< 5	< 10	245	< 5	20	105	54
662874	0.047	9	< 5	0.11	31	160	< 2	0.29	< 5	< 10	179	< 5	20	110	43
662875	0.049	6	< 5	0.15	29	182	5	0.29	< 5	< 10	151	< 5	20	108	39
662876	0.044	10	< 5	0.16	28	195	6	0.42	< 5	< 10	200	< 5	18	106	49
662877	0.050	11	< 5	0.30	30	151	6	0.48	< 5	< 10	231	< 5	18	115	49
662878	0.050	9	< 5	0.19	30	177	6	0.49	< 5	< 10	224	< 5	19	118	56
662879	0.052	9	< 5	0.30	32	174	6	0.51	< 5	< 10	230	< 5	22	143	68
662880	0.052	12	< 5	0.33	37	128	6	0.55	< 5	< 10	263	< 5	22	192	63
662881	0.046	11	< 5	0.31	33	127	7	0.53	< 5	< 10	251	< 5	18	194	59
662882	0.046	21	< 5	0.26	30	120	2	0.20	< 5	< 10	131	< 5	20	294	30
662883	0.060	14	< 5	0.19	29	114	5	0.51	< 5	< 10	219	< 5	19	272	67
662884	0.040	107	< 5	0.28	28	178	4	0.44	< 5	< 10	215	6	17	559	52
662885	0.033	175	< 5	0.39	23	267	5	0.36	< 5	< 10	195	6	15	683	37
662886	0.043	83	< 5	0.17	29	140	3	0.33	< 5	< 10	168	< 5	17	423	45
662887	0.041	171	< 5	0.29	30	216	5	0.35	< 5	< 10	191	< 5	18	503	39
662888	0.046	16	< 5	0.50	34	111	6	0.48	< 5	< 10	221	< 5	19	258	62
662889	0.046	13	< 5	0.37	31	156	5	0.42	< 5	< 10	199	< 5	18	204	50
662890	0.057	42	< 5	3.22	11	268	3	0.28	< 5	< 10	77	< 5	11	117	58
662891	0.052	11	< 5	0.43	29	175	6	0.50	< 5	< 10	226	< 5	19	173	56
662892	0.045	12	< 5	0.47	32	181	6	0.46	< 5	< 10	218	< 5	18	143	52
662893	0.047	8	< 5	0.52	28	189	5	0.47	< 5	< 10	221	< 5	18	128	53
662894	0.047	28	< 5	0.60	29	178	6	0.50	< 5	< 10	237	< 5	18	180	58
662895	0.050	83	< 5	0.50	30	170	5	0.48	< 5	< 10	225	< 5	19	320	57
662896	0.050	133	< 5	0.53	31	165	6	0.48	< 5	< 10	225	< 5	19	420	52
662897	0.047	10	< 5	0.42	28	172	3	0.39	< 5	< 10	186	< 5	18	116	46
662898	0.049	6	< 5	0.18	30	122	6	0.48	< 5	< 10	226	< 5	18	109	56
662899	0.050	5	< 5	0.21	34	139	5	0.50	< 5	< 10	239	< 5	20	96	59
662900	0.003	12	< 5	0.02	< 4	110	< 2	< 0.01	< 5	< 10	5	< 5	< 1	14	< 5
662901	0.050	9	< 5	0.34	31	165	6	0.48	< 5	< 10	222	< 5	19	101	57
662902	0.049	11	< 5	1.68	28	199	5	0.42	< 5	< 10	202	< 5	18	102	60
662903	0.045	78	< 5	0.49	27	165	6	0.42	< 5	< 10	208	< 5	17	291	43
662904	0.048	23	< 5	0.43	31	180	6	0.46	< 5	< 10	217	< 5	19	151	48
662905	0.060	8	< 5	0.58	30	164	5	0.48	< 5	< 10	213	< 5	19	107	57
662906	0.045	11	< 5	0.56	29	172	6	0.45	< 5	< 10	215	< 5	17	112	49
662907	0.047	6	< 5	0.55	28	160	5	0.43	< 5	< 10	203	< 5	18	111	51
662908	0.042	5	< 5	0.42	29	163	5	0.40	< 5	< 10	193	< 5	18	103	44
662909	0.044	14	< 5	0.68	29	154	9	0.44	< 5	< 10	202	< 5	17	110	50
662910	0.043	9	< 5	0.56	28	153	4	0.41	< 5	< 10	201	< 5	16	109	47
662911	0.046	9	< 5	0.64	29	157	4	0.43	< 5	< 10	212	< 5	17	112	48
662912	0.045	6	< 5	0.73	31	171	6	0.46	< 5	< 10	219	< 5	18	114	53
662913	0.048	6	< 5	0.53	31	157	5	0.47	< 5	< 10	223	< 5	18	103	50
662914	0.046	6	< 5	0.54	29	135	7	0.46	< 5	< 10	215	< 5	18	107	55
662915	0.047	4	< 5	0.69	28	169	4	0.45	< 5	< 10	214	< 5	17	97	52
662916	0.039	6	< 5	0.69	27	162	4	0.38	< 5	< 10	194	< 5	17	108	48
662917	0.042	5	< 5	0.57	30	135	5	0.44	< 5	< 10	201	< 5	18	123	48
662918	0.038	9	< 5	0.43	27	121	4	0.41	< 5	< 10	192	< 5	15	144	46
662919	0.045	5	< 5	0.53	29	157	6	0.43	< 5	< 10	211	< 5	18	97	55
662920	0.061	44	< 5	3.39	12	279	7	0.42	< 5	< 10	90	< 5	11	116	61
662921	0.048	10	< 5	0.86	30	185	5	0.47	< 5	< 10	217	< 5	17	102	53
662922	0.043	7	< 5	0.90	28	171	4	0.43	< 5	< 10	208	< 5	16	97	52
662923	0.042	8	< 5	0.36	32	164	4	0.44	< 5	< 10	213	< 5	17	95	52

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662924	0.049	6	< 5	0.12	29	133	4	0.33	< 5	< 10	181	< 5	18	97	42
662925	0.045	5	< 5	0.23	31	178	7	0.45	< 5	< 10	218	< 5	17	92	49
662926	0.039	10	< 5	0.31	32	174	6	0.42	< 5	< 10	209	< 5	17	91	44
662927	0.040	7	< 5	0.38	30	173	5	0.42	< 5	< 10	209	< 5	17	93	48
662928	0.041	6	< 5	0.33	27	175	5	0.43	< 5	< 10	199	< 5	16	93	49
662929	0.045	5	< 5	0.43	27	147	4	0.44	< 5	< 10	201	< 5	17	115	54
662930	0.006	3	< 5	0.02	< 4	102	3	< 0.01	< 5	< 10	4	< 5	< 1	27	< 5
662931	0.037	12	< 5	0.26	24	195	< 2	0.34	< 5	< 10	169	< 5	15	121	43
662932	0.036	12	< 5	0.15	21	232	3	0.29	< 5	< 10	148	< 5	14	90	39
662933	0.045	6	< 5	0.17	28	170	5	0.45	< 5	< 10	206	< 5	17	97	52
662934	0.049	7	< 5	0.14	29	150	4	0.46	< 5	< 10	213	< 5	18	96	60
662935	0.048	8	< 5	0.17	31	186	6	0.46	< 5	< 10	214	< 5	18	90	56
662936	0.047	6	< 5	0.39	33	186	4	0.45	< 5	< 10	213	< 5	19	97	74
662937	0.045	5	< 5	0.22	30	146	4	0.37	< 5	< 10	183	< 5	18	95	48
662938	0.045	5	< 5	0.17	30	133	3	0.43	< 5	< 10	206	< 5	19	111	55
662939	0.028	< 3	< 5	0.02	34	181	< 2	0.24	< 5	< 10	191	< 5	12	79	45
662940	0.027	< 3	< 5	0.02	30	202	< 2	0.26	< 5	< 10	169	< 5	12	69	43
662941	0.024	< 3	< 5	0.02	33	221	3	0.26	< 5	< 10	173	< 5	11	64	34
662942	0.036	< 3	< 5	0.03	34	183	4	0.35	< 5	< 10	209	< 5	13	70	47
662943	0.026	< 3	< 5	0.02	36	180	2	0.29	< 5	< 10	188	< 5	12	69	38
662944	0.024	< 3	< 5	0.02	32	184	3	0.26	< 5	< 10	169	< 5	10	67	34
662945	0.020	< 3	< 5	0.02	29	208	< 2	0.23	< 5	< 10	155	< 5	9	64	30
662946	0.022	< 3	< 5	0.02	28	238	< 2	0.22	< 5	< 10	131	< 5	9	56	31
662947	0.025	< 3	< 5	0.01	22	267	< 2	0.22	< 5	< 10	124	< 5	9	52	33
662948	0.024	< 3	< 5	< 0.01	27	249	< 2	0.22	< 5	< 10	139	< 5	10	52	37
662949	0.016	< 3	< 5	0.02	24	103	5	0.17	< 5	< 10	119	< 5	7	84	24
662950	0.059	42	< 5	3.28	12	268	6	0.42	< 5	< 10	91	< 5	11	116	58
662951	0.013	< 3	< 5	0.04	17	200	< 2	0.14	< 5	< 10	90	< 5	5	62	16
662952	0.011	< 3	< 5	< 0.01	15	228	3	0.13	< 5	< 10	79	< 5	4	60	16
662953	0.018	< 3	< 5	< 0.01	33	241	< 2	0.19	< 5	< 10	144	< 5	8	49	26
662954	0.012	< 3	< 5	< 0.01	22	260	3	0.15	< 5	< 10	107	< 5	6	47	15
662955	0.027	< 3	< 5	0.01	25	146	3	0.31	< 5	< 10	139	< 5	11	69	38
662956	0.028	< 3	< 5	0.05	24	173	3	0.29	< 5	< 10	160	< 5	10	61	38
662957	0.020	4	< 5	< 0.01	23	158	< 2	0.20	< 5	< 10	122	< 5	8	66	25
662958	0.022	< 3	< 5	< 0.01	22	150	< 2	0.22	< 5	< 10	140	< 5	9	64	33
662959	0.013	3	< 5	0.02	22	111	< 2	0.16	< 5	< 10	107	< 5	7	84	20
662960	0.004	< 3	< 5	0.03	< 4	106	3	0.02	< 5	< 10	10	< 5	< 1	25	< 5
662961	0.017	7	< 5	0.06	23	163	< 2	0.16	< 5	< 10	107	< 5	6	69	23
662962	0.016	< 3	< 5	0.03	15	172	< 2	0.14	< 5	< 10	87	< 5	6	68	20
662963	0.014	< 3	< 5	0.11	15	38	2	0.14	< 5	< 10	74	< 5	9	103	31
662964	0.010	< 3	< 5	0.08	16	146	2	0.10	< 5	< 10	74	< 5	5	69	18
662965	0.008	< 3	< 5	0.10	20	32	< 2	0.10	< 5	< 10	91	< 5	4	101	14
662966	0.014	< 3	< 5	0.02	16	31	2	0.12	< 5	< 10	79	< 5	5	90	21
662967	0.008	3	< 5	0.03	18	99	4	0.09	< 5	< 10	78	< 5	4	77	12
662968	0.014	< 3	< 5	0.15	20	83	4	0.16	< 5	< 10	101	< 5	5	86	21
662969	0.008	4	< 5	0.23	26	48	< 2	0.12	< 5	< 10	106	< 5	4	86	14
662970	0.008	< 3	< 5	0.27	26	34	4	0.12	< 5	< 10	106	< 5	4	87	15
662971	0.008	< 3	< 5	0.16	24	106	2	0.12	< 5	< 10	105	< 5	4	75	12
662972	0.006	5	< 5	0.27	23	113	< 2	0.10	< 5	< 10	98	< 5	3	77	9
662973	0.006	5	< 5	0.26	22	136	< 2	0.09	9	< 10	90	< 5	3	77	9
662974	0.004	< 3	5	0.26	24	87	< 2	0.09	< 5	< 10	92	< 5	2	78	8

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
662975	0.004	< 3	< 5	0.91	23	98	< 2	0.09	< 5	< 10	86	< 5	2	99	7
662976	0.005	7	< 5	0.72	24	120	3	0.10	< 5	< 10	91	< 5	3	86	9
662977	0.009	5	< 5	0.35	22	153	< 2	0.12	< 5	< 10	90	< 5	4	94	13
662978	0.006	< 3	< 5	0.43	18	249	< 2	0.09	< 5	< 10	68	< 5	3	71	8
662979	0.005	3	< 5	0.60	22	171	< 2	0.10	< 5	< 10	83	< 5	3	89	8
662980	0.060	40	< 5	3.19	11	261	9	0.48	< 5	< 10	97	< 5	10	112	56
662981	0.005	4	< 5	0.62	23	172	< 2	0.10	< 5	< 10	85	< 5	3	105	8
662982	0.006	< 3	< 5	0.30	27	189	< 2	0.12	< 5	< 10	110	< 5	3	96	10
662983	0.006	< 3	< 5	0.52	30	127	3	0.17	< 5	< 10	137	< 5	4	99	13
662984	0.008	3	< 5	0.63	34	18	4	0.16	< 5	< 10	122	< 5	6	125	18
662985	0.008	< 3	< 5	0.68	33	38	4	0.25	< 5	< 10	134	< 5	5	136	21
662986	0.011	< 3	< 5	0.45	38	10	3	0.19	< 5	< 10	137	< 5	7	131	23
662987	0.008	< 3	< 5	0.38	30	110	3	0.17	< 5	< 10	114	< 5	6	125	16
662988	0.009	< 3	< 5	0.57	32	50	3	0.19	< 5	< 10	129	< 5	8	135	21
662989	0.010	< 3	< 5	0.35	29	117	< 2	0.18	< 5	< 10	119	< 5	7	130	19
662990	0.004	< 3	< 5	0.03	< 4	116	< 2	< 0.01	< 5	< 10	6	< 5	< 1	18	< 5
662991	0.010	12	< 5	0.52	32	66	3	0.18	< 5	< 10	132	< 5	8	212	21
662992	0.008	77	< 5	0.37	39	18	3	0.19	< 5	< 10	156	< 5	7	567	20
662993	0.013	4	< 5	0.43	35	13	3	0.28	< 5	< 10	251	< 5	9	171	27
662994	0.013	3	< 5	0.66	31	129	3	0.29	< 5	< 10	211	< 5	10	153	21
662995	0.014	4	< 5	0.53	24	140	4	0.27	< 5	< 10	185	< 5	10	164	24
662996	0.014	< 3	< 5	0.66	29	38	7	0.49	< 5	< 10	415	< 5	9	186	33
662997	0.011	6	< 5	1.13	29	23	9	0.74	< 5	< 10	870	< 5	8	193	29
662998	0.015	7	< 5	0.23	31	49	9	0.61	< 5	< 10	589	< 5	10	208	27
662999	0.016	< 3	< 5	0.13	30	126	9	0.72	< 5	< 10	329	< 5	10	194	25
663000	0.018	< 3	< 5	0.11	30	131	9	0.75	< 5	< 10	365	< 5	10	190	27
1199001	0.016	< 3	< 5	0.02	32	70	5	0.38	< 5	< 10	286	< 5	11	199	31
1199002	0.016	< 3	< 5	0.01	29	124	4	0.35	< 5	< 10	255	< 5	11	196	26
1199003	0.012	< 3	< 5	0.05	37	32	7	0.30	< 5	< 10	407	< 5	13	223	41
1199004	0.027	3	< 5	0.13	42	7	9	0.63	< 5	< 10	437	< 5	18	209	63
1199005	0.054	< 3	< 5	0.07	26	85	7	0.37	< 5	< 10	122	< 5	34	172	112
1199006	0.020	< 3	< 5	0.01	9	96	< 2	0.17	< 5	< 10	41	< 5	18	100	14
1199007	0.018	< 3	< 5	0.02	8	108	3	0.22	< 5	< 10	40	< 5	16	119	24
1199008	0.008	< 3	< 5	0.01	8	62	4	0.18	< 5	< 10	29	< 5	22	154	31
1199009	0.013	< 3	< 5	0.03	13	67	< 2	0.30	< 5	< 10	75	< 5	13	183	30
1199010	0.058	43	< 5	3.37	12	276	5	0.31	< 5	< 10	80	< 5	11	116	58
1199011	0.015	< 3	< 5	0.08	16	118	4	0.32	< 5	< 10	66	< 5	18	141	48
1199012	0.006	3	< 5	0.03	10	105	5	0.21	< 5	< 10	18	< 5	15	154	37
1199013	0.003	< 3	< 5	0.05	12	56	8	0.25	< 5	< 10	13	< 5	15	155	32
1199014	0.004	< 3	< 5	0.05	16	53	4	0.29	< 5	< 10	99	< 5	12	214	34
1199015	0.012	7	6	0.86	26	104	11	0.74	< 5	< 10	720	5	15	313	31
1199016	0.013	9	< 5	1.81	29	89	8	0.39	< 5	< 10	422	< 5	18	330	42
1199017	0.013	7	< 5	1.77	34	57	5	0.33	< 5	< 10	279	< 5	15	385	33
1199018	0.017	7	< 5	0.82	24	160	5	0.37	< 5	< 10	245	< 5	14	397	34
1199019	0.017	< 3	< 5	0.31	27	58	5	0.32	< 5	< 10	198	6	15	556	19
1199020	0.005	< 3	< 5	0.02	< 4	110	< 2	< 0.01	< 5	< 10	4	< 5	< 1	16	< 5
1199021	0.013	5	< 5	0.15	28	170	4	0.41	< 5	< 10	231	6	18	625	21
1199022	0.010	4	< 5	0.13	20	266	3	0.29	< 5	< 10	283	< 5	14	374	30
1199023	0.008	< 3	< 5	0.02	25	157	5	0.21	< 5	< 10	151	< 5	6	228	10
1199024	0.006	< 3	< 5	0.02	28	147	3	0.27	< 5	< 10	171	< 5	7	267	8
1199025	0.047	< 3	< 5	0.06	33	122	4	0.55	< 5	< 10	268	< 5	20	201	50

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199026	0.061	< 3	< 5	0.12	36	117	5	0.20	< 5	< 10	186	< 5	29	156	46
1199027	0.062	5	< 5	0.14	38	145	5	0.28	< 5	< 10	219	< 5	29	132	57
1199028	0.061	5	< 5	0.09	38	142	3	0.21	< 5	< 10	200	< 5	31	161	51

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						< 3						153	144	330	9.80								6540
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												48		422	10.6		2.37	1.24		952	20		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				43.8					70			123		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				0.6		49						73	8490	2350							8		2080
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.6	6.65	96	212	8	6	0.05		94	52	6140	6.89	17	3.31	0.59	16	444	2	0.04	44
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.16	7	191	< 1	< 2	0.18		33	453	382	14.7	22	0.41	0.24	22	503	1	0.10	234
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4700	1960	1250																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5000	1920	1210																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5320	2000	1280																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5350	2070	1320																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5220	1930	1230																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4890	1920	1240																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.4					27			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.9					15			52		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				2.2	7.63	8	428	2	13	0.48	0.5	25	68	4360	6.69	19	2.64	1.76	32	986	1	0.32	35

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				71.8	5.53	74		2	< 2	2.10	293	31	26	3700	3.76	26	2.20	0.53	14	523	15	1.35	29
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1960	1670	255																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1940	1710	232																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2010	1690	234																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2040	1640	225																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1960	1720	210																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2040	1670	235																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.5	1.77	1530	10	< 1	8	2.66	1.7	1390	258	3310	27.6	7	0.33	2.43	18	596		0.40	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	7.88		396	1	< 2	5.62		48	1360	260	7.61	16	1.23	5.03	12	1240	1	1.55	453
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.09		415	1	< 2	5.79		50	1510	287	7.82	17	1.30	5.20	13	1270	1	1.59	475
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.3	6.22	3150	363	2	< 2	0.85	< 0.3	14	76	40	3.27	16	2.08	1.22	31	367	< 1	0.47	46
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					5.21	13	> 1000	31	7	1.16		7	49	306	3.30	24	1.79	0.57	2310	406	2	0.98	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.22	14	> 1000	32	8	1.18		8	43	299	3.30	25	1.84	0.58	2340	416	4	0.99	23
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				0.9	4.67	289		< 1	6	3.68		354	33	5720	19.7	17	2.94	1.13	16	2990	133	0.95	68
Oreas 521 (4 Acid) Cert				0.9	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 70b (4 Acid) Meas				< 0.3	3.95	141	197	< 1	< 2	3.03	0.4	77		50	5.70	8	0.59	13.2	34	1120	4	0.76	2080
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
662882 Orig	18	120	37																				
662882 Dup	19	119	38																				
662886 Orig				0.3	7.52	8	296	< 1	< 2	5.18	2.0	59	64	635	9.44	19	0.80	4.24	24	1880	< 1	2.44	137
662886 Dup				0.4	7.38	< 3	291	< 1	< 2	5.14	1.8	57	68	619	9.29	18	0.78	4.17	24	1860	< 1	2.40	135
662892 Orig	38	178	74																				
662892 Dup	20	182	84																				
662896 Orig				0.6	8.61	8	367	< 1	2	5.44	1.6	64	120	1230	10.00	18	1.04	3.98	26	1470	< 1	1.94	227
662896 Dup				0.7	8.21	3	365	< 1	< 2	5.41	1.7	64	123	1210	9.92	18	1.04	3.92	26	1460	< 1	1.92	228
662902 Orig	29	207	70																				
662902 Dup	38	208	70																				
662907 Orig				0.6	8.02	3	244	< 1	2	5.76	0.8	73	67	1240	10.3	17	0.73	4.29	23	1390	1	1.61	236
662907 Dup				0.4	8.10	22	247	< 1	< 2	5.75	1.0	73	72	1240	10.2	17	0.74	4.26	23	1380	< 1	1.61	233
662912 Orig	43	251	87																				
662912 Dup	53	255	81																				
662920 Orig				3.3	6.70	< 3	71	< 1	4	3.96	0.9	169	194	6460	13.9	13	0.61	3.93	12	1120	< 1	1.81	8420
662920 Dup				3.2	6.72	< 3	68	< 1	< 2	3.96	0.9	168	214	6540	13.9	13	0.61	3.95	12	1130	2	1.82	8290
662922 Orig	28	191	88	0.6	7.63	< 3	170	< 1	< 2	6.05	1.0	84	89	1400	10.7	17	0.45	4.36	19	1360	< 1	1.97	298
662922 Split PREP DUP	29	194	87	0.5	7.59	7	166	< 1	< 2	6.08	0.5	86	121	1440	10.7	17	0.44	4.42	19	1370	< 1	1.98	307
662923 Orig	21	183	84																				
662923 Dup	18	180	82																				
662931 Orig	27	203	77																				
662931 Dup	28	209	75																				
662937 Orig				< 0.3	7.50	3	277	< 1	< 2	5.52	0.4	62	77	609	9.27	16	0.78	4.13	20	1370	< 1	2.39	153
662937 Dup				< 0.3	7.64	< 3	279	< 1	< 2	5.55	0.4	62	118	618	9.27	15	0.78	4.16	20	1380	< 1	2.42	153
662949 Orig				< 0.3	6.73	< 3	163	< 1	< 2	5.95	0.6	90	44	40	10.2	12	0.70	6.59	24	1370	< 1	0.79	280
662949 Dup				< 0.3	6.64	< 3	163	< 1	< 2	5.94	0.5	90	45	35	10.2	11	0.70	6.54	24	1370	< 1	0.78	281
662951 Orig	< 2	27	28																				
662951 Dup	2	26	29																				
662961 Orig	3	71	58																				
662961 Dup	4	71	64																				
662965 Orig				< 0.3	6.29	< 3	18	< 1	2	4.30	< 0.3	100	185	717	9.95	10	0.12	9.86	38	1420	< 1	0.40	647
662965 Dup				< 0.3	6.24	< 3	18	< 1	3	4.30	0.4	100	180	716	9.83	11	0.13	9.74	37	1400	< 1	0.40	650
662971 Orig	74	920	269																				
662971 Dup	76	925	273																				
662972 Orig	117	1180	285	0.6	7.05	4	49	< 1	< 2	4.98	< 0.3	75	310	2330	8.06	11	0.21	7.88	31	1260	< 1	1.07	759
662972 Split PREP DUP	101	1170	304	0.5	7.06	< 3	54	< 1	< 2	5.31	0.4	70	290	1720	7.78	12	0.24	7.67	28	1240	< 1	1.14	678
662975 Orig				1.4	6.46	< 3	85	< 1	2	4.68	0.5	105	153	3440	8.43	11	0.37	7.29	36	1360	< 1	0.86	1040
662975 Dup				1.5	6.58	3	85	< 1	< 2	4.71	0.4	105	146	3520	8.53	12	0.37	7.40	36	1370	< 1	0.87	1040
662981 Orig	118	936	277																				
662981 Dup	117	959	280																				
662991 Orig	30	76	19																				
662991 Dup	84	80	21																				
662992 Orig				0.9	3.63	< 3	466	< 1	2	5.24	1.4	90	75	700	11.4	9	0.02	8.63	16	1870	< 1	0.13	342
662992 Dup				0.9	3.63	< 3	465	< 1	< 2	5.25	1.9	89	79	694	11.4	9	0.02	8.61	16	1880	< 1	0.13	340
663000 Orig	30	24	12																				
663000 Dup	36	24	11																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199006 Orig				< 0.3	4.57	< 3	105	< 1	< 2	0.81	< 0.3	32	22	41	6.01	14	0.19	1.52	21	653	< 1	1.51	40
1199006 Dup				< 0.3	4.64	< 3	106	< 1	< 2	0.82	< 0.3	32	20	41	6.03	14	0.19	1.54	21	661	< 1	1.50	42
1199022 Orig	105	97	52	0.6	10.1	< 3	35	< 1	< 2	5.15	0.8	71	82	850	10.7	26	0.08	4.86	32	1420	< 1	1.36	299
1199022 Split PREP DUP	118	102	58	0.4	10.2	< 3	38	< 1	< 2	5.44	0.7	70	92	776	11.0	30	0.11	4.80	31	1450	< 1	1.15	271
1199023 Orig	10	99	108																				
1199023 Dup	9	94	102																				
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	2	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	11	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.73											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.113	20						0.35		400	77		142		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		299	7	17.0										1290	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.18										119	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.099	9	< 5	0.06	12	30			< 5	< 10	84	< 5	35	27	78
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.035	22	< 5	0.05	49	33		0.44	< 5	< 10	166	6	10	44	105
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		89	< 5	4.37										442	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		90	< 5	4.49										444	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.065	83	< 5	0.72	13	45		0.42	< 5	< 10	94	10	26	346	127

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.035	> 5000	11	4.74	5	64		0.19	< 5	< 10	35	7	11	> 10000	151
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
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CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		64	26		< 4	32	8	0.06	< 5	10	35	7	7	182	40
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.135	12	< 5	0.10	25	423		0.56		< 10	233	< 5	15	80	53
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.143	7	< 5	0.10	26	448		0.57		< 10	244	< 5	16	83	60
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 247 (4 Acid) Meas	0.045	29	341	0.69	11	95		0.37	< 5	< 10	64	< 5	18	84	111
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 147 (4 Acid) Meas	0.094	24	14	0.02	11	310		0.19	< 5	< 10	39		28	143	27
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.087	26	10	0.02	11	318		0.29	< 5	< 10	54		29	146	18
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.080	10	6	1.70	14	98	9	0.40	< 5	40	198	61	19	26	125
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 70b (4 Acid) Meas	0.023	13	< 5	0.29	12	73		0.18	< 5	< 10	66	< 5	9	105	69
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
662882 Orig															
662882 Dup															
662886 Orig	0.045	82	< 5	0.17	30	141	4	0.38	< 5	< 10	186	< 5	17	425	51
662886 Dup	0.042	83	< 5	0.17	29	139	3	0.29	< 5	< 10	150	< 5	17	420	39
662892 Orig															
662892 Dup															
662896 Orig	0.050	131	< 5	0.53	32	165	6	0.48	< 5	< 10	225	< 5	19	420	52
662896 Dup	0.050	136	< 5	0.52	31	165	5	0.48	< 5	< 10	224	< 5	19	420	52
662902 Orig															
662902 Dup															
662907 Orig	0.047	8	< 5	0.55	28	159	5	0.43	< 5	< 10	204	< 5	18	112	51
662907 Dup	0.047	4	< 5	0.55	28	161	5	0.43	< 5	< 10	203	6	18	111	51
662912 Orig															
662912 Dup															
662920 Orig	0.061	47	< 5	3.39	12	278	7	0.38	< 5	< 10	86	< 5	11	116	58
662920 Dup	0.062	42	< 5	3.38	12	280	6	0.45	< 5	< 10	94	< 5	11	117	63
662922 Orig	0.043	7	< 5	0.90	28	171	4	0.43	< 5	< 10	208	< 5	16	97	52
662922 Split PREP DUP	0.042	7	< 5	0.91	29	169	7	0.39	< 5	< 10	205	< 5	16	100	53
662923 Orig															
662923 Dup															
662931 Orig															
662931 Dup															
662937 Orig	0.046	4	< 5	0.22	29	145	5	0.45	< 5	< 10	209	< 5	17	95	55
662937 Dup	0.043	6	< 5	0.22	30	147	4	0.30	< 5	< 10	157	< 5	18	95	41
662949 Orig	0.016	4	< 5	0.02	24	104	6	0.17	6	< 10	119	< 5	7	83	23
662949 Dup	0.016	< 3	< 5	0.01	24	102	4	0.17	< 5	< 10	118	< 5	7	84	25
662951 Orig															
662951 Dup															
662961 Orig															
662961 Dup															
662965 Orig	0.008	< 3	< 5	0.10	20	32	< 2	0.10	< 5	< 10	91	< 5	4	101	15
662965 Dup	0.008	< 3	< 5	0.09	20	31	3	0.10	< 5	< 10	91	< 5	4	102	13
662971 Orig															
662971 Dup															
662972 Orig	0.006	5	< 5	0.27	23	113	< 2	0.10	< 5	< 10	98	< 5	3	77	9
662972 Split PREP DUP	0.006	< 3	< 5	0.21	25	128	< 2	0.10	< 5	< 10	102	< 5	3	74	9
662975 Orig	0.004	< 3	< 5	0.91	23	98	3	0.09	< 5	< 10	86	< 5	2	99	7
662975 Dup	0.004	5	< 5	0.91	23	98	< 2	0.09	< 5	< 10	86	< 5	2	98	7
662981 Orig															
662981 Dup															
662991 Orig															
662991 Dup															
662992 Orig	0.008	77	< 5	0.38	39	18	3	0.19	< 5	< 10	157	5	7	566	20
662992 Dup	0.008	77	< 5	0.37	39	18	3	0.19	< 5	< 10	155	< 5	7	567	19
663000 Orig															
663000 Dup															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199006 Orig	0.020	< 3	< 5	0.01	9	95	3	0.23	< 5	< 10	54	< 5	18	101	17
1199006 Dup	0.020	< 3	< 5	0.01	9	96	< 2	0.10	< 5	< 10	29	< 5	18	100	10
1199022 Orig	0.010	4	< 5	0.13	20	266	3	0.29	< 5	< 10	283	< 5	14	374	30
1199022 Split PREP DUP	0.010	4	< 5	0.12	20	279	3	0.31	< 5	< 10	399	< 5	12	385	23
1199023 Orig															
1199023 Dup															
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	5	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-17153**
Report Date: **11-Nov-21**
Date Submitted: **10-Sep-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

204 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-10-25 10:54:28
1F2	QOP Total (Total Digestion ICPOES)	2021-10-14 11:44:52

REPORT **A21-17153**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199029	5	13	15	< 0.3	7.59	14	187	< 1	< 2	7.27	< 0.3	50	33	138	9.11	18	0.43	3.65	11	1460	< 1	1.66	70
1199030	4	16	18	< 0.3	7.77	6	231	< 1	< 2	7.21	< 0.3	50	28	131	9.26	19	0.56	3.72	13	1500	< 1	1.67	71
1199031	4	14	12	< 0.3	7.64	< 3	213	< 1	< 2	7.15	< 0.3	51	30	134	9.48	17	0.49	3.72	11	1500	< 1	1.74	71
1199032	4	17	16	< 0.3	7.46	< 3	263	< 1	< 2	6.92	< 0.3	50	29	123	9.35	18	0.61	3.64	12	1500	< 1	1.70	68
1199033	3	19	20	< 0.3	7.49	< 3	264	< 1	< 2	7.01	< 0.3	52	28	138	9.64	17	0.62	3.77	14	1540	< 1	1.64	70
1199034	3	30	35	< 0.3	7.55	< 3	159	< 1	< 2	7.05	< 0.3	53	31	137	9.62	18	0.38	3.74	14	1510	< 1	1.63	71
1199035	4	30	28	< 0.3	7.55	< 3	177	< 1	< 2	7.03	< 0.3	51	29	132	9.50	19	0.39	3.53	12	1470	< 1	1.84	68
1199036	< 2	25	22	< 0.3	7.84	< 3	232	< 1	< 2	6.95	< 0.3	50	29	141	9.45	19	0.51	3.50	12	1470	< 1	1.81	64
1199037	3	30	24	< 0.3	7.53	< 3	189	< 1	< 2	6.96	< 0.3	48	25	68	8.74	18	0.43	3.62	11	1370	< 1	1.82	68
1199038	8	33	38	< 0.3	7.61	< 3	198	< 1	< 2	7.21	< 0.3	51	32	131	9.29	18	0.47	3.72	13	1460	< 1	1.66	74
1199039	6	43	43	< 0.3	7.86	4	209	< 1	< 2	7.13	< 0.3	52	26	134	8.96	18	0.46	3.88	13	1450	< 1	1.77	77
1199040	117	1330	684	3.3	6.64	4	46	< 1	3	3.93	0.4	163	272	6210	13.3	13	0.59	3.80	13	1100	3	1.79	8240
1199041	7	26	28	< 0.3	7.55	< 3	265	< 1	< 2	6.70	< 0.3	47	19	153	9.07	19	0.58	3.14	12	1330	< 1	1.84	65
1199042	14	31	42	< 0.3	7.46	< 3	273	< 1	< 2	7.13	< 0.3	51	25	238	9.66	19	0.64	3.63	11	1460	< 1	1.68	82
1199043	9	34	41	< 0.3	7.33	7	246	< 1	< 2	7.09	< 0.3	51	27	189	9.63	19	0.58	3.64	12	1480	< 1	1.67	77
1199044	10	21	24	< 0.3	8.02	6	277	< 1	< 2	7.08	< 0.3	53	33	223	9.40	18	0.63	3.87	14	1500	< 1	1.59	73
1199045	7	19	26	< 0.3	7.09	< 3	248	< 1	< 2	7.13	< 0.3	55	41	189	9.72	17	0.56	4.04	13	1530	< 1	1.46	76
1199046	3	24	31	< 0.3	7.29	< 3	114	< 1	< 2	6.36	< 0.3	55	26	151	9.77	17	0.29	4.05	17	1440	< 1	1.71	84
1199047	5	21	21	< 0.3	7.49	< 3	224	< 1	< 2	6.97	< 0.3	49	23	184	9.16	19	0.51	3.28	15	1340	< 1	1.76	66
1199048	3	25	28	< 0.3	7.83	< 3	244	< 1	< 2	6.99	< 0.3	48	28	124	8.90	18	0.57	3.45	14	1400	< 1	1.76	66
1199049	4	32	40	< 0.3	7.76	< 3	281	< 1	< 2	6.88	< 0.3	49	26	113	9.27	18	0.63	3.55	15	1450	< 1	1.80	70
1199050	< 2	< 5	< 5	< 0.3	0.74	< 3	43	< 1	< 2	29.7	< 0.3	4	8	10	0.94	4	0.06	4.75	9	292	< 1	0.18	7
1199051	4	40	51	< 0.3	7.64	< 3	253	< 1	< 2	6.88	< 0.3	47	21	130	9.27	18	0.57	3.43	15	1410	< 1	1.78	65
1199052	4	54	60	< 0.3	8.03	< 3	260	< 1	< 2	6.83	< 0.3	47	42	109	8.87	18	0.57	3.49	15	1370	< 1	1.77	67
1199053	4	34	48	< 0.3	7.42	< 3	205	< 1	< 2	8.87	< 0.3	40	27	106	7.75	17	0.44	3.40	11	1210	< 1	1.72	57
1199054	5	33	27	< 0.3	7.72	< 3	214	< 1	< 2	7.38	< 0.3	47	22	129	8.73	18	0.49	3.59	11	1370	< 1	1.75	70
1199055	4	37	28	< 0.3	7.50	< 3	181	< 1	< 2	7.25	< 0.3	47	24	149	8.56	18	0.41	3.65	12	1340	< 1	1.64	74
1199056	6	17	27	< 0.3	7.72	< 3	170	< 1	< 2	7.03	< 0.3	48	29	137	8.68	18	0.43	3.68	13	1370	< 1	1.81	75
1199057	9	19	28	< 0.3	7.85	6	163	< 1	< 2	7.61	< 0.3	48	31	154	8.58	18	0.38	3.75	10	1360	< 1	1.71	79
1199058	3	29	32	< 0.3	8.02	15	169	< 1	< 2	7.40	< 0.3	46	52	116	8.37	18	0.38	3.64	11	1360	< 1	1.84	73
1199059	3	14	19	< 0.3	8.08	4	205	< 1	< 2	7.22	< 0.3	45	46	128	8.24	18	0.47	3.40	12	1320	< 1	1.91	69
1199060	< 2	12	14	< 0.3	8.15	< 3	214	< 1	< 2	7.09	< 0.3	43	40	107	7.86	18	0.47	3.27	12	1260	< 1	1.94	66
1199061	< 2	9	9	< 0.3	7.92	< 3	205	< 1	< 2	6.77	< 0.3	43	33	122	8.37	19	0.45	3.25	14	1310	< 1	2.05	61
1199062	4	11	15	< 0.3	7.50	< 3	238	< 1	< 2	6.98	0.3	45	22	133	9.12	20	0.51	3.23	14	1380	< 1	1.91	65
1199063	3	22	38	< 0.3	7.77	< 3	191	< 1	< 2	7.19	< 0.3	47	29	110	8.90	18	0.46	3.62	12	1380	< 1	1.69	69
1199064	3	19	25	< 0.3	7.79	< 3	153	< 1	< 2	7.27	< 0.3	47	30	100	8.32	18	0.39	3.71	12	1340	< 1	1.77	75
1199065	3	20	25	< 0.3	7.46	< 3	150	< 1	< 2	7.01	< 0.3	50	55	146	8.78	16	0.44	4.00	13	1410	< 1	1.81	72
1199066	4	17	20	< 0.3	7.57	< 3	171	< 1	< 2	7.35	< 0.3	50	39	134	8.87	18	0.45	3.88	12	1380	< 1	1.59	79
1199067	< 2	15	10	< 0.3	7.83	< 3	217	< 1	< 2	7.17	< 0.3	48	29	110	8.41	18	0.53	3.78	13	1320	< 1	1.70	76
1199068	5	23	17	< 0.3	7.55	< 3	193	< 1	< 2	7.24	0.4	48	28	130	8.74	18	0.51	3.73	13	1370	< 1	1.71	76
1199069	3	18	16	< 0.3	7.61	4	241	< 1	< 2	6.87	< 0.3	47	29	97	8.73	18	0.57	3.67	14	1360	< 1	1.69	72
1199070	131	1390	698	3.3	6.62	< 3	99	< 1	< 2	3.94	0.4	165	202	6200	13.5	13	0.59	3.84	13	1110	3	1.80	8200
1199071	5	19	18	< 0.3	7.41	< 3	226	< 1	< 2	7.13	< 0.3	50	25	169	9.09	18	0.58	3.71	13	1400	< 1	1.57	76
1199072	3	21	16	< 0.3	7.49	< 3	227	< 1	< 2	7.05	< 0.3	50	30	140	9.09	18	0.59	3.78	14	1440	< 1	1.58	73
1199073	5	25	26	< 0.3	7.42	< 3	212	< 1	< 2	6.94	< 0.3	49	43	173	8.89	18	0.55	3.68	14	1410	< 1	1.57	71
1199074	3	19	17	< 0.3	7.49	< 3	229	< 1	< 2	7.04	< 0.3	50	40	148	9.15	18	0.62	3.74	15	1430	< 1	1.55	72
1199075	3	18	16	< 0.3	7.23	< 3	229	< 1	< 2	6.94	< 0.3	50	25	159	9.04	17	0.63	3.63	16	1390	< 1	1.45	71
1199076	< 2	18	15	< 0.3	7.51	< 3	189	< 1	< 2	6.91	< 0.3	46	24	118	8.75	18	0.52	3.49	14	1400	< 1	1.58	68
1199077	< 2	20	23	< 0.3	7.37	< 3	224	< 1	< 2	6.98	< 0.3	48	29	132	9.22	17	0.60	3.67	16	1470	< 1	1.46	70
1199078	< 2	22	20	< 0.3	7.40	< 3	202	< 1	< 2	6.99	< 0.3	46	26	109	8.88	18	0.61	3.51	16	1420	< 1	1.45	70
1199079	< 2	22	21	< 0.3	7.56	< 3	167	< 1	< 2	6.89	< 0.3	46	42	114	9.10	18	0.43	3.41	15	1380	< 1	1.63	66

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199080	< 2	< 5	< 5	< 0.3	0.07	< 3	21	< 1	< 2	28.9	< 0.3	< 1	4	< 1	0.08	2	0.02	6.18	11	208	< 1	0.05	1
1199081	< 2	8	9	< 0.3	7.55	< 3	239	< 1	< 2	5.85	< 0.3	53	55	111	9.74	18	0.75	3.67	20	1220	< 1	2.07	79
1199082	< 2	< 5	6	< 0.3	7.29	< 3	160	< 1	< 2	6.21	< 0.3	45	46	115	9.75	17	0.51	3.40	16	1190	< 1	2.38	69
1199083	< 2	< 5	< 5	< 0.3	7.27	< 3	174	< 1	< 2	6.30	< 0.3	44	38	149	9.67	19	0.51	3.03	15	1230	< 1	1.97	67
1199084	< 2	< 5	< 5	0.3	7.24	< 3	181	< 1	< 2	6.08	< 0.3	46	43	140	9.81	17	0.51	3.03	16	1290	< 1	1.92	64
1199085	2	< 5	< 5	< 0.3	7.53	< 3	53	< 1	< 2	5.95	< 0.3	42	44	93	9.07	18	0.17	3.35	9	1050	< 1	2.54	69
1199086	< 2	< 5	< 5	< 0.3	7.33	< 3	71	< 1	< 2	5.81	< 0.3	44	46	108	9.27	19	0.24	3.49	10	1070	< 1	2.19	62
1199087	6	< 5	< 5	< 0.3	6.55	15	86	< 1	< 2	5.28	0.4	68	178	178	9.45	16	0.26	5.30	18	1210	< 1	1.91	203
1199088	6	94	32	< 0.3	5.49	6	41	< 1	< 2	3.70	< 0.3	67	179	155	7.59	10	0.16	9.57	41	1370	< 1	0.47	205
1199089	4	14	12	< 0.3	6.30	< 3	72	< 1	< 2	3.86	< 0.3	63	152	150	7.61	11	0.27	9.01	40	1260	< 1	0.87	211
1199090	68	1300	428	< 0.3	4.79	< 3	< 7	< 1	< 2	4.53	< 0.3	70	375	816	8.39	9	0.04	10.0	35	1520	< 1	0.24	390
1199091	17	244	144	< 0.3	4.70	< 3	72	< 1	< 2	5.18	0.5	64	233	708	8.75	10	0.28	7.85	33	1370	< 1	0.23	279
1199092	90	1010	357	0.5	4.74	< 3	51	< 1	< 2	4.46	< 0.3	84	95	1890	9.42	13	0.16	7.97	23	1480	< 1	0.63	611
1199093	95	930	302	0.5	4.47	< 3	53	< 1	< 2	4.50	< 0.3	78	103	1880	9.14	12	0.18	7.73	21	1450	< 1	0.54	590
1199094	13	60	44	< 0.3	4.36	< 3	18	< 1	< 2	5.00	0.5	71	234	276	9.51	11	0.07	8.73	21	1650	< 1	0.57	292
1199095	29	67	19	< 0.3	5.08	< 3	41	< 1	< 2	4.91	< 0.3	73	133	773	8.86	12	0.19	8.73	26	1550	< 1	0.48	352
1199096	< 2	8	< 5	< 0.3	8.72	< 3	114	< 1	< 2	4.87	< 0.3	55	45	62	7.56	17	0.54	6.44	32	1210	< 1	1.39	132
1199097	< 2	< 5	< 5	< 0.3	11.3	< 3	140	< 1	< 2	6.07	< 0.3	39	49	65	5.27	20	0.67	4.32	30	891	< 1	1.85	102
1199098	7	9	5	< 0.3	7.45	< 3	141	< 1	< 2	7.37	< 0.3	52	26	213	9.51	18	0.41	3.76	14	1440	< 1	1.67	87
1199099	10	26	17	< 0.3	7.56	< 3	192	< 1	< 2	6.78	< 0.3	53	29	286	9.26	17	0.58	3.74	17	1430	< 1	1.84	83
1199100	151	1300	694	3.4	6.73	6	99	< 1	3	3.97	0.5	165	228	6280	13.7	13	0.61	3.90	13	1110	3	1.81	8270
1199101	11	38	30	< 0.3	7.33	< 3	150	< 1	< 2	7.01	< 0.3	52	32	283	9.31	18	0.43	3.69	15	1440	< 1	1.69	81
1199102	4	31	27	< 0.3	8.10	< 3	179	< 1	< 2	6.88	< 0.3	43	47	109	7.87	18	0.50	3.17	15	1250	< 1	1.89	64
1199103	< 2	23	22	< 0.3	8.04	< 3	178	< 1	< 2	7.00	< 0.3	43	33	97	7.99	19	0.44	3.23	15	1240	< 1	1.78	65
1199104	7	138	62	< 0.3	8.33	5	143	< 1	< 2	6.55	< 0.3	46	22	206	7.98	18	0.35	3.40	17	1210	< 1	2.08	73
1199105	9	381	58	< 0.3	10.7	< 3	394	< 1	< 2	6.08	< 0.3	29	14	316	5.93	18	0.62	2.25	25	779	< 1	3.10	70
1199106	10	247	34	< 0.3	12.4	< 3	> 1000	< 1	< 2	5.29	< 0.3	22	22	155	4.65	15	1.51	1.66	33	578	< 1	2.82	88
1199107	< 2	< 5	< 5	< 0.3	11.6	< 3	> 1000	< 1	< 2	6.10	< 0.3	15	21	7	3.87	19	1.77	1.14	26	519	< 1	2.62	44
1199108	< 2	8	11	< 0.3	10.8	< 3	> 1000	< 1	< 2	5.90	< 0.3	23	23	58	4.97	17	1.06	2.05	22	691	< 1	2.99	45
1199109	17	32	8	0.7	9.33	< 3	31	< 1	< 2	7.93	0.9	34	55	1420	7.11	24	0.06	2.42	13	832	< 1	2.30	62
1199110	< 2	< 5	< 5	< 0.3	0.07	< 3	21	< 1	< 2	31.0	< 0.3	< 1	5	8	0.13	2	< 0.01	4.59	3	164	< 1	0.04	1
1199111	< 2	77	11	< 0.3	12.8	< 3	384	< 1	< 2	6.92	< 0.3	17	24	55	4.01	18	0.98	1.51	19	600	< 1	2.82	39
1199112	10	101	20	< 0.3	11.8	< 3	619	< 1	< 2	7.56	0.3	23	12	478	5.32	20	1.11	1.65	19	732	< 1	2.13	45
1199113	4	43	31	< 0.3	7.49	< 3	179	< 1	< 2	6.72	< 0.3	58	91	141	9.05	15	0.52	4.79	20	1430	< 1	1.30	164
1199114	2	5	11	< 0.3	7.79	< 3	163	< 1	< 2	7.05	< 0.3	41	71	143	7.41	17	0.42	3.61	12	1160	< 1	1.87	94
1199115	< 2	< 5	< 5	< 0.3	9.53	< 3	169	< 1	< 2	6.98	< 0.3	37	50	44	6.20	17	0.59	3.48	19	980	< 1	1.99	82
1199116	< 2	< 5	8	< 0.3	9.17	< 3	116	< 1	< 2	7.15	< 0.3	34	59	44	5.83	16	0.43	3.57	15	976	< 1	1.88	78
1199117	< 2	< 5	< 5	< 0.3	7.20	19	126	< 1	< 2	6.57	< 0.3	53	97	179	8.74	17	0.34	3.82	15	1410	< 1	1.44	99
1199118	< 2	8	13	< 0.3	8.19	3	174	< 1	< 2	6.84	< 0.3	49	55	71	7.94	17	0.48	4.16	18	1260	< 1	1.50	97
1199119	< 2	5	< 5	< 0.3	10.5	4	138	< 1	< 2	7.45	< 0.3	36	64	41	6.12	17	0.36	3.64	14	998	< 1	1.86	87
1199120	< 2	< 5	6	< 0.3	10.9	3	139	< 1	< 2	7.46	< 0.3	35	56	56	6.11	17	0.36	3.59	15	981	< 1	1.85	87
1199121	2	7	6	< 0.3	10.3	< 3	139	< 1	< 2	7.31	< 0.3	40	45	73	6.35	17	0.36	3.74	16	1000	< 1	1.85	100
1199122	< 2	15	10	< 0.3	9.01	< 3	182	< 1	< 2	6.78	< 0.3	54	42	56	7.74	15	0.51	4.88	20	1190	1	1.65	159
1199123	< 2	7	8	< 0.3	6.41	< 3	195	< 1	< 2	5.32	0.3	90	76	49	10.3	12	0.66	7.01	32	1650	< 1	0.90	341
1199124	2	31	12	< 0.3	6.42	< 3	171	< 1	< 2	4.66	0.4	88	227	76	10.2	12	0.69	8.02	35	1600	< 1	0.80	402
1199125	72	284	63	0.7	4.18	< 3	< 7	< 1	< 2	5.30	< 0.3	138	149	1780	10.3	8	0.03	10.6	23	1680	< 1	0.10	811
1199126	32	564	149	0.4	7.42	7	74	< 1	< 2	4.20	< 0.3	116	155	905	9.75	12	0.38	8.54	33	1400	< 1	0.87	659
1199127	117	897	245	1.6	6.92	< 3	73	< 1	2	4.64	0.4	116	281	3240	8.27	11	0.34	7.99	33	1300	< 1	1.13	741
1199128	7	98	25	< 0.3	6.16	< 3	20	< 1	< 2	3.49	< 0.3	64	185	206	7.64	10	0.12	10.3	51	1350	< 1	0.34	183
1199129	24	316	82	0.4	6.93	< 3	27	< 1	< 2	3.65	< 0.3	67	95	633	7.71	11	0.16	9.72	47	1330	< 1	0.71	342
1199130	197	1340	705	3.2	6.55	< 3	73	< 1	2	3.96	0.4	164	200	6300	13.6	13	0.60	3.86	13	1110	2	1.81	8270

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199131	64	579	146	0.9	7.29	< 3	42	< 1	< 2	4.39	< 0.3	79	363	1870	7.37	11	0.26	8.15	33	1220	< 1	1.07	655
1199132	22	293	86	1.0	7.18	< 3	41	< 1	< 2	4.36	< 0.3	78	196	1870	7.26	11	0.26	8.03	33	1200	< 1	1.05	650
1199133	19	188	43	< 0.3	6.33	< 3	24	< 1	< 2	3.71	0.3	66	255	456	7.73	11	0.15	9.72	38	1350	< 1	0.49	430
1199134	33	355	114	< 0.3	6.73	< 3	36	< 1	< 2	4.50	< 0.3	66	133	447	7.58	12	0.19	9.09	37	1380	< 1	0.73	301
1199135	32	350	97	0.4	7.58	3	66	< 1	< 2	4.50	< 0.3	64	221	697	7.45	12	0.32	7.78	32	1230	2	1.02	407
1199136	92	1210	274	0.9	6.96	< 3	43	< 1	< 2	3.82	< 0.3	135	325	2110	8.75	11	0.20	8.17	33	1270	< 1	0.91	864
1199137	21	388	109	< 0.3	7.29	< 3	51	< 1	< 2	3.86	< 0.3	73	289	563	8.18	12	0.23	8.35	33	1310	< 1	1.06	444
1199138	133	2650	766	1.0	5.52	4	24	< 1	< 2	4.60	< 0.3	136	587	2600	8.94	11	0.12	8.78	34	1390	< 1	0.71	1190
1199139	23	438	126	< 0.3	5.06	< 3	11	< 1	< 2	4.67	< 0.3	87	568	425	8.62	9	0.07	10.5	20	1260	< 1	0.29	646
1199140	2	7	< 5	< 0.3	0.06	< 3	19	< 1	< 2	27.6	< 0.3	< 1	5	4	0.15	1	< 0.01	7.54	4	214	< 1	0.03	5
1199141	40	215	53	< 0.3	4.76	< 3	14	< 1	< 2	5.33	< 0.3	98	327	909	9.66	8	0.08	10.4	20	1290	< 1	0.17	682
1199142	23	230	64	< 0.3	9.35	< 3	120	< 1	< 2	5.19	< 0.3	55	230	547	7.08	13	0.50	7.00	34	1040	< 1	1.87	464
1199143	82	646	215	0.5	9.29	3	104	< 1	< 2	5.37	< 0.3	93	146	1070	7.66	13	0.43	6.78	30	1020	< 1	1.57	543
1199144	71	1470	671	0.4	7.18	< 3	40	< 1	< 2	5.15	< 0.3	110	117	976	9.23	11	0.18	9.43	31	1420	< 1	0.55	627
1199145	64	1030	391	0.4	7.61	16	74	< 1	< 2	4.89	< 0.3	79	218	831	7.94	12	0.29	7.53	29	1130	< 1	1.20	647
1199146	87	1110	308	0.6	8.29	3	87	< 1	< 2	5.31	< 0.3	59	193	1570	6.38	13	0.33	6.15	27	1000	< 1	1.67	517
1199147	4	114	30	< 0.3	5.83	< 3	18	< 1	< 2	4.36	< 0.3	63	232	381	7.33	9	0.10	9.64	39	1370	< 1	0.48	227
1199148	15	50	28	< 0.3	6.34	< 3	29	< 1	< 2	4.74	< 0.3	60	242	22	7.19	10	0.15	9.14	38	1340	< 1	0.67	222
1199149	< 2	30	< 5	< 0.3	7.86	< 3	57	< 1	< 2	5.10	< 0.3	51	158	12	6.44	13	0.23	7.58	36	1180	< 1	1.14	149
1199150	43	457	182	< 0.3	9.15	< 3	70	< 1	< 2	5.09	0.3	47	125	641	5.83	14	0.26	6.46	33	1010	< 1	1.53	272
1199151	10	17	17	< 0.3	8.64	< 3	223	< 1	< 2	6.68	< 0.3	46	57	189	7.31	17	0.70	3.88	25	1150	< 1	1.55	114
1199152	< 2	7	7	< 0.3	9.99	< 3	218	< 1	< 2	6.53	< 0.3	53	33	83	6.96	17	0.71	4.05	24	928	< 1	1.46	172
1199153	5	9	7	< 0.3	9.55	< 3	202	< 1	< 2	5.09	< 0.3	64	29	207	7.79	16	0.53	4.90	30	1080	< 1	1.34	208
1199154	< 2	11	< 5	< 0.3	9.29	< 3	242	< 1	< 2	6.51	< 0.3	56	37	34	7.19	16	0.70	4.74	25	990	< 1	1.39	185
1199155	4	26	7	< 0.3	9.10	< 3	126	< 1	< 2	8.17	< 0.3	36	61	75	6.78	19	0.44	4.15	16	960	< 1	1.67	108
1199156	7	36	17	< 0.3	9.70	< 3	110	< 1	< 2	7.87	< 0.3	31	22	197	6.00	21	0.38	3.39	20	869	< 1	1.97	110
1199157	3	53	66	< 0.3	8.35	< 3	152	< 1	< 2	6.14	< 0.3	71	24	85	7.74	15	0.42	5.67	25	1170	< 1	1.32	258
1199158	< 2	36	6	< 0.3	6.55	< 3	162	< 1	< 2	6.23	< 0.3	83	50	46	9.57	12	0.54	7.28	26	1460	< 1	0.55	300
1199159	< 2	33	14	< 0.3	7.97	3	242	< 1	< 2	7.69	< 0.3	54	43	38	7.10	14	0.88	4.76	26	1140	< 1	1.28	178
1199160	2040	1690	236	3.2	6.41	< 3	57	< 1	4	3.86	0.4	159	306	6040	13.1	13	0.59	3.75	12	1090	4	1.77	8120
1199161	5	15	11	< 0.3	9.84	< 3	129	< 1	< 2	6.56	< 0.3	51	41	112	5.90	18	0.45	4.23	21	864	< 1	2.00	144
1199162	18	177	109	0.3	7.27	< 3	54	< 1	< 2	5.24	0.3	60	84	580	7.56	13	0.21	6.85	23	1250	< 1	1.48	266
1199163	35	100	33	0.7	6.57	< 3	63	< 1	< 2	5.34	0.4	68	106	1080	7.37	12	0.23	6.28	20	1180	< 1	1.60	228
1199164	36	151	29	0.6	6.20	< 3	42	< 1	< 2	4.31	0.4	82	100	980	7.77	12	0.18	6.59	23	1260	< 1	1.31	321
1199165	55	282	83	0.6	5.21	7	26	< 1	< 2	4.07	0.5	114	153	1060	9.66	10	0.11	8.84	29	1670	< 1	0.28	426
1199166	18	193	57	< 0.3	8.86	< 3	75	< 1	< 2	4.80	< 0.3	65	135	532	6.56	13	0.22	5.83	25	1010	< 1	1.73	237
1199167	23	271	77	0.3	11.2	< 3	117	< 1	< 2	5.66	< 0.3	43	203	658	4.61	16	0.30	3.71	20	741	< 1	2.61	204
1199168	14	213	62	< 0.3	10.2	< 3	77	< 1	< 2	5.36	< 0.3	45	272	298	4.96	16	0.19	4.40	20	806	< 1	2.27	126
1199169	10	289	69	< 0.3	9.49	< 3	64	< 1	< 2	4.42	0.3	56	199	248	6.73	15	0.17	6.15	27	1050	< 1	1.82	253
1199170	< 2	< 5	< 5	< 0.3	0.10	< 3	20	< 1	< 2	29.1	< 0.3	< 1	5	3	0.13	2	0.01	6.07	3	189	< 1	0.04	3
1199171	9	35	12	< 0.3	8.92	< 3	100	< 1	< 2	8.88	< 0.3	44	74	236	4.68	13	0.31	3.51	23	1080	< 1	1.94	156
1199172	13	12	< 5	< 0.3	10.6	< 3	84	< 1	< 2	5.99	< 0.3	39	75	516	4.87	16	0.25	3.50	24	768	< 1	2.56	131
1199173	16	266	78	< 0.3	10.0	< 3	74	< 1	< 2	5.53	< 0.3	53	73	515	5.64	17	0.23	4.25	23	848	< 1	1.99	245
1199174	7	374	111	< 0.3	8.35	< 3	73	< 1	< 2	8.75	0.5	54	84	148	6.90	13	0.42	5.39	30	1500	< 1	1.46	284
1199175	12	138	42	< 0.3	7.91	18	39	< 1	< 2	5.26	< 0.3	51	212	178	7.24	15	0.11	6.76	21	1300	< 1	1.46	232
1199176	9	99	27	< 0.3	10.7	4	77	< 1	< 2	4.93	< 0.3	44	149	254	5.36	20	0.21	4.05	23	810	< 1	2.48	184
1199177	< 2	12	< 5	< 0.3	10.6	3	104	< 1	< 2	6.08	< 0.3	30	93	57	4.52	20	0.34	3.24	25	835	< 1	2.93	115
1199178	< 2	14	< 5	< 0.3	10.8	< 3	106	< 1	< 2	5.24	< 0.3	26	55	49	3.80	19	0.35	2.91	19	644	< 1	3.18	111
1199179	< 2	8	< 5	< 0.3	10.2	< 3	166	< 1	< 2	4.26	< 0.3	31	75	56	4.61	17	1.09	3.36	43	789	< 1	1.95	106
1199180	13	240	64	0.3	9.15	< 3	104	< 1	< 2	5.96	0.4	48	128	406	5.37	15	0.52	3.45	39	900	< 1	1.92	264
1199181	55	734	201	1.5	4.94	< 3	20	< 1	< 2	7.23	1.4	102	158	1740	8.00	10	0.09	5.74	26	1410	< 1	0.41	599

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199182	70	531	145	1.4	5.47	< 3	25	< 1	< 2	6.58	1.2	93	166	1630	8.34	11	0.09	5.91	28	1430	< 1	0.48	503
1199183	7	21	10	0.4	10.1	< 3	85	< 1	< 2	4.87	0.5	53	51	505	5.50	18	0.31	4.13	23	833	< 1	2.24	91
1199184	3	66	25	< 0.3	10.00	< 3	69	< 1	< 2	5.16	< 0.3	43	57	244	6.20	17	0.18	4.81	25	1010	< 1	2.01	100
1199185	27	127	28	0.4	10.3	< 3	113	< 1	< 2	5.63	< 0.3	62	43	591	5.62	18	0.31	3.92	23	852	< 1	2.37	202
1199186	< 2	< 5	5	< 0.3	10.5	< 3	93	< 1	< 2	4.53	< 0.3	33	174	68	5.23	17	0.21	3.95	21	832	< 1	2.71	133
1199187	6	118	30	< 0.3	8.96	< 3	119	< 1	< 2	5.17	< 0.3	61	88	397	6.92	15	0.43	5.06	25	1110	< 1	1.90	191
1199188	< 2	< 5	8	< 0.3	10.6	< 3	174	< 1	< 2	5.07	< 0.3	27	101	31	5.35	21	0.34	3.39	23	808	< 1	2.74	124
1199189	< 2	< 5	< 5	< 0.3	10.9	3	178	< 1	< 2	4.50	< 0.3	46	253	139	6.77	20	0.32	3.81	25	897	< 1	2.43	147
1199190	143	1380	699	3.2	6.61	< 3	59	< 1	2	3.92	0.6	163	185	6240	13.3	13	0.60	3.80	13	1100	< 1	1.78	8350
1199191	< 2	< 5	7	< 0.3	11.3	< 3	175	< 1	< 2	4.58	< 0.3	34	136	85	6.11	20	0.28	3.46	23	825	< 1	2.66	142
1199192	< 2	< 5	7	< 0.3	10.3	< 3	130	< 1	< 2	6.70	< 0.3	37	121	103	6.32	22	0.32	3.65	25	1030	< 1	2.35	137
1199193	< 2	46	14	< 0.3	9.06	< 3	89	< 1	< 2	4.72	< 0.3	50	176	164	7.82	20	0.19	5.22	26	1210	< 1	1.94	177
1199194	< 2	< 5	< 5	< 0.3	11.8	< 3	133	< 1	< 2	4.57	< 0.3	48	141	154	6.58	21	0.32	3.74	25	868	< 1	2.73	176
1199195	< 2	9	< 5	< 0.3	8.64	< 3	60	< 1	< 2	4.72	< 0.3	46	296	54	7.91	18	0.24	5.97	25	1370	< 1	1.72	131
1199196	< 2	< 5	8	< 0.3	11.2	< 3	117	< 1	< 2	5.66	< 0.3	28	117	12	4.78	23	0.40	3.04	21	777	< 1	3.07	82
1199197	< 2	< 5	6	< 0.3	10.8	< 3	114	< 1	< 2	5.42	< 0.3	25	48	26	4.28	22	0.35	2.89	16	759	< 1	3.07	77
1199198	< 2	6	11	< 0.3	10.6	< 3	158	< 1	< 2	5.70	< 0.3	21	42	101	3.70	21	0.56	2.66	16	659	< 1	3.23	64
1199199	29	84	34	< 0.3	9.91	< 3	84	< 1	< 2	5.51	< 0.3	33	158	336	5.36	19	0.22	3.30	15	894	< 1	3.08	131
1199200	< 2	< 5	< 5	< 0.3	0.05	< 3	20	< 1	< 2	30.6	< 0.3	< 1	4	< 1	0.12	2	< 0.01	5.53	3	258	< 1	0.03	1
1199201	3	< 5	< 5	< 0.3	10.6	< 3	119	< 1	< 2	5.35	< 0.3	31	132	60	5.37	20	0.35	3.36	18	886	1	2.81	127
1199202	7	16	10	< 0.3	11.1	< 3	155	< 1	< 2	5.47	< 0.3	29	78	209	4.55	21	0.65	3.00	21	795	< 1	2.92	126
1199203	5	12	< 5	< 0.3	9.99	23	220	< 1	< 2	4.24	< 0.3	29	78	157	4.69	17	0.83	3.01	21	780	< 1	2.49	118
1199204	< 2	8	< 5	< 0.3	8.99	3	186	< 1	< 2	6.28	< 0.3	39	175	32	6.71	16	0.63	4.45	21	1150	< 1	1.96	119
1199205	< 2	9	9	< 0.3	7.57	< 3	141	< 1	< 2	7.27	< 0.3	40	138	21	6.96	14	0.57	4.67	19	1240	< 1	1.38	99
1199206	3	10	9	< 0.3	7.46	< 3	85	< 1	< 2	8.81	< 0.3	40	136	42	6.99	13	0.39	4.67	14	1370	< 1	1.36	99
1199207	2	12	10	< 0.3	8.95	< 3	68	< 1	< 2	6.79	< 0.3	54	236	81	9.26	19	0.27	6.16	30	1530	< 1	1.35	117
1199208	< 2	10	7	< 0.3	8.02	< 3	68	< 1	< 2	7.35	< 0.3	47	170	76	8.39	18	0.26	5.37	20	1430	< 1	1.25	98
1199209	17	68	29	< 0.3	9.58	< 3	141	< 1	< 2	5.59	< 0.3	46	134	417	6.41	18	0.48	3.43	18	998	< 1	2.82	176
1199210	19	93	32	< 0.3	9.61	< 3	116	< 1	< 2	6.36	< 0.3	39	267	268	5.94	17	0.40	3.25	16	998	< 1	2.82	152
1199211	< 2	14	6	< 0.3	11.4	< 3	308	< 1	< 2	5.42	< 0.3	19	60	43	4.60	24	0.44	2.09	16	719	< 1	3.68	82
1199212	< 2	< 5	< 5	< 0.3	10.2	< 3	155	< 1	< 2	4.80	< 0.3	25	124	7	5.38	19	0.42	3.38	18	909	< 1	3.08	129
1199213	< 2	7	< 5	< 0.3	9.98	< 3	118	< 1	< 2	5.02	< 0.3	32	143	28	5.83	20	0.27	3.68	20	993	< 1	2.53	126
1199214	36	38	15	< 0.3	10.4	< 3	223	< 1	< 2	4.99	< 0.3	35	158	242	6.30	21	0.56	3.11	24	938	< 1	2.48	223
1199215	< 2	< 5	< 5	< 0.3	11.2	< 3	164	< 1	< 2	4.95	< 0.3	33	132	27	6.03	20	0.44	3.16	24	908	< 1	2.29	92
1199216	7	< 5	< 5	< 0.3	11.9	< 3	151	< 1	< 2	5.36	< 0.3	31	110	127	5.33	21	0.44	3.11	22	836	< 1	2.38	104
1199217	15	< 5	< 5	< 0.3	11.8	< 3	154	< 1	< 2	5.60	< 0.3	35	91	190	5.48	20	0.56	2.97	19	834	< 1	2.36	121
1199218	15	7	< 5	< 0.3	9.71	< 3	101	< 1	< 2	5.86	< 0.3	29	88	91	4.20	22	0.35	2.69	15	720	< 1	2.69	72
1199219	22	110	66	< 0.3	7.79	< 3	192	< 1	< 2	5.91	< 0.3	46	103	324	8.06	18	0.66	4.49	20	1250	< 1	1.16	132
1199220	205	1300	667	3.3	6.57	< 3	48	< 1	< 2	3.94	0.4	165	185	6210	13.5	13	0.60	3.83	13	1100	< 1	1.81	8250
1199221	15	7	7	< 0.3	10.4	< 3	139	< 1	< 2	4.75	< 0.3	58	91	235	7.38	18	0.46	4.51	26	1080	< 1	2.08	241
1199222	47	19	11	0.4	4.77	< 3	37	< 1	< 2	4.89	0.3	84	141	439	10.5	11	0.16	8.40	26	1850	< 1	0.32	265
1199223	89	25	37	0.7	6.57	< 3	323	< 1	< 2	4.61	< 0.3	84	98	1010	9.72	15	1.19	5.39	29	1400	< 1	1.00	203
1199224	91	15	12	0.6	6.66	< 3	226	< 1	< 2	4.32	< 0.3	94	109	840	9.49	13	0.85	6.61	32	1510	< 1	1.29	233
1199225	49	17	84	0.4	5.34	< 3	139	< 1	< 2	4.66	0.3	91	242	637	9.79	11	0.56	7.58	30	1660	< 1	0.90	320
1199226	132	32	58	1.0	5.44	< 3	143	< 1	< 2	4.04	0.6	106	211	1530	10.7	11	0.65	7.63	32	1700	< 1	0.76	403
1199227	38	8	8	0.4	10.5	< 3	344	< 1	< 2	5.78	0.4	53	44	579	6.46	21	0.63	2.71	21	771	< 1	2.52	116
1199228	25	< 5	5	0.4	14.6	7	924	< 1	< 2	5.98	< 0.3	36	14	603	5.05	23	0.78	1.54	18	542	< 1	3.40	94
1199229	51	19	7	0.5	7.32	< 3	189	< 1	< 2	5.68	< 0.3	77	102	581	8.41	15	0.28	5.77	23	1400	< 1	1.51	144
1199230	< 2	< 5	< 5	< 0.3	0.24	< 3	36	< 1	< 2	29.3	< 0.3	< 1	4	3	0.15	2	0.04	5.94	4	202	< 1	0.12	1
1199231	70	28	13	0.3	5.23	< 3	79	< 1	< 2	4.75	0.4	95	132	596	9.89	11	0.24	7.92	26	1720	< 1	0.89	243
1199232	103	83	73	0.8	5.49	12	117	< 1	< 2	5.03	0.3	69	115	927	8.84	16	0.46	5.06	18	1330	< 1	1.28	198

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199029	0.019	8	< 5	0.03	41	210	3	0.42	< 5	< 10	277	< 5	13	94	31
1199030	0.018	7	< 5	0.04	40	210	5	0.40	< 5	< 10	282	< 5	12	94	28
1199031	0.022	6	< 5	0.04	40	199	3	0.44	< 5	< 10	291	< 5	13	92	34
1199032	0.026	7	< 5	0.04	39	190	5	0.45	< 5	< 10	287	< 5	14	98	40
1199033	0.026	5	< 5	0.04	40	188	8	0.48	< 5	< 10	311	< 5	14	99	39
1199034	0.026	9	< 5	0.04	40	208	5	0.47	< 5	< 10	301	< 5	14	104	41
1199035	0.029	5	< 5	0.03	39	200	3	0.52	< 5	< 10	322	< 5	14	97	44
1199036	0.035	7	< 5	0.02	43	188	2	0.56	< 5	< 10	330	< 5	16	97	58
1199037	0.037	5	< 5	0.01	40	198	2	0.39	< 5	< 10	253	< 5	15	90	57
1199038	0.023	6	< 5	0.02	41	199	< 2	0.34	< 5	< 10	285	< 5	14	93	39
1199039	0.017	7	< 5	0.02	41	206	< 2	0.32	< 5	< 10	278	< 5	12	99	27
1199040	0.063	46	< 5	3.33	11	275	11	0.54	< 5	< 10	103	< 5	11	112	57
1199041	0.042	8	< 5	0.02	35	205	5	0.24	< 5	< 10	247	< 5	18	85	64
1199042	0.025	6	< 5	0.03	40	193	5	0.32	< 5	< 10	380	< 5	14	94	44
1199043	0.027	5	< 5	0.02	42	195	5	0.39	< 5	< 10	372	< 5	15	90	45
1199044	0.025	6	< 5	0.03	45	194	3	0.47	< 5	< 10	369	5	14	95	37
1199045	0.019	6	< 5	0.03	43	181	3	0.36	< 5	< 10	344	< 5	12	90	33
1199046	0.017	7	< 5	0.02	43	185	< 2	0.26	< 5	< 10	310	< 5	11	90	32
1199047	0.034	6	< 5	0.02	36	211	2	0.26	< 5	< 10	270	< 5	16	84	56
1199048	0.024	5	< 5	0.02	38	209	3	0.29	< 5	< 10	248	< 5	14	89	41
1199049	0.032	6	< 5	0.01	38	195	< 2	0.30	< 5	< 10	236	< 5	17	98	52
1199050	0.007	< 3	< 5	< 0.01	< 4	97	< 2	0.04	< 5	10	21	< 5	2	12	< 5
1199051	0.032	6	< 5	0.02	37	206	8	0.22	< 5	< 10	209	< 5	17	97	54
1199052	0.036	6	< 5	0.02	38	199	3	0.40	< 5	< 10	252	< 5	17	93	51
1199053	0.027	6	< 5	0.02	33	205	3	0.24	< 5	< 10	212	< 5	14	78	45
1199054	0.027	6	< 5	0.02	38	203	< 2	0.25	< 5	< 10	241	< 5	15	89	48
1199055	0.025	7	< 5	0.02	38	201	< 2	0.25	< 5	< 10	237	< 5	14	92	49
1199056	0.026	6	< 5	0.02	36	197	< 2	0.29	< 5	< 10	237	< 5	13	93	42
1199057	0.022	9	< 5	0.02	41	211	7	0.29	< 5	< 10	273	< 5	12	90	37
1199058	0.024	7	< 5	0.02	42	213	< 2	0.37	< 5	< 10	278	< 5	13	89	39
1199059	0.033	7	< 5	0.02	39	224	< 2	0.36	< 5	< 10	266	< 5	16	90	43
1199060	0.037	7	< 5	0.01	37	226	2	0.31	< 5	< 10	223	< 5	16	86	49
1199061	0.029	7	< 5	0.02	37	221	4	0.22	< 5	< 10	214	< 5	21	90	40
1199062	0.035	9	< 5	0.02	35	214	2	0.21	< 5	< 10	233	< 5	17	91	57
1199063	0.027	7	< 5	0.02	39	199	3	0.28	< 5	< 10	237	< 5	14	89	39
1199064	0.021	5	< 5	0.02	38	209	< 2	0.27	< 5	< 10	237	< 5	12	84	36
1199065	0.021	5	< 5	0.03	39	174	4	0.40	< 5	< 10	282	< 5	12	92	40
1199066	0.019	6	< 5	0.02	41	190	4	0.24	< 5	< 10	271	< 5	12	89	35
1199067	0.023	5	< 5	0.02	39	201	< 2	0.24	< 5	< 10	243	< 5	14	86	43
1199068	0.025	6	< 5	0.02	39	197	< 2	0.25	< 5	< 10	262	< 5	14	87	41
1199069	0.034	5	< 5	0.02	38	193	2	0.36	< 5	< 10	249	< 5	14	85	47
1199070	0.062	42	< 5	3.32	12	278	8	0.50	< 5	< 10	98	< 5	11	116	63
1199071	0.034	6	< 5	0.05	39	192	11	0.49	< 5	< 10	347	< 5	15	89	55
1199072	0.032	5	< 5	0.04	41	184	3	0.43	< 5	< 10	297	< 5	15	91	48
1199073	0.033	4	< 5	0.04	39	183	7	0.50	< 5	< 10	318	< 5	15	88	48
1199074	0.026	6	< 5	0.04	40	189	< 2	0.28	< 5	< 10	279	< 5	15	91	45
1199075	0.030	6	< 5	0.06	38	192	6	0.24	< 5	< 10	264	< 5	16	86	51
1199076	0.037	6	< 5	0.03	37	208	2	0.31	< 5	< 10	239	< 5	16	80	57
1199077	0.033	6	< 5	0.06	39	200	2	0.35	< 5	< 10	275	< 5	16	83	50
1199078	0.033	6	< 5	0.04	37	209	4	0.34	< 5	< 10	258	< 5	15	76	51
1199079	0.039	5	< 5	0.05	38	217	5	0.48	< 5	< 10	292	< 5	17	82	56

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199080	0.005	< 3	< 5	< 0.01	< 4	140	< 2	< 0.01	< 5	10	< 2	< 5	1	11	< 5
1199081	0.041	5	< 5	0.13	37	148	5	0.31	< 5	< 10	186	< 5	22	78	42
1199082	0.048	7	< 5	0.08	35	172	7	0.39	< 5	< 10	199	< 5	26	77	59
1199083	0.058	6	< 5	0.12	34	193	7	0.29	< 5	< 10	154	< 5	28	72	49
1199084	0.062	6	< 5	0.13	35	190	8	0.62	< 5	< 10	273	< 5	28	76	91
1199085	0.062	3	< 5	0.10	36	201	9	0.62	< 5	20	274	< 5	29	57	68
1199086	0.054	5	< 5	0.10	35	193	9	0.45	< 5	< 10	242	< 5	28	59	67
1199087	0.047	8	< 5	0.19	30	118	5	0.24	< 5	< 10	153	< 5	22	113	35
1199088	0.012	3	< 5	0.02	32	28	8	0.15	< 5	< 10	124	< 5	4	89	15
1199089	0.007	4	< 5	0.02	29	71	< 2	0.12	< 5	< 10	159	< 5	4	86	20
1199090	0.003	5	< 5	0.09	32	14	2	0.10	< 5	< 10	137	< 5	3	85	9
1199091	0.011	4	< 5	0.08	31	40	3	0.22	< 5	< 10	141	< 5	5	75	21
1199092	0.011	5	< 5	0.25	33	69	4	0.20	< 5	< 10	149	< 5	6	83	21
1199093	0.016	6	< 5	0.25	33	65	3	0.20	< 5	< 10	147	< 5	7	80	23
1199094	0.007	5	< 5	0.04	33	25	4	0.17	< 5	< 10	140	< 5	7	88	17
1199095	0.005	4	< 5	0.10	30	45	< 2	0.14	< 5	< 10	118	< 5	5	91	15
1199096	0.006	< 3	< 5	< 0.01	22	227	< 2	0.14	< 5	< 10	112	< 5	3	82	9
1199097	0.001	< 3	< 5	< 0.01	13	365	4	0.06	< 5	< 10	50	< 5	1	63	< 5
1199098	0.021	9	< 5	0.03	42	230	3	0.34	< 5	< 10	363	< 5	12	86	34
1199099	0.023	7	< 5	0.04	41	201	5	0.44	< 5	< 10	394	< 5	12	95	38
1199100	0.062	44	< 5	3.31	11	281	7	0.50	< 5	10	99	< 5	11	115	58
1199101	0.020	7	< 5	0.04	39	210	6	0.55	< 5	< 10	446	< 5	11	94	32
1199102	0.031	5	< 5	0.05	34	223	4	0.39	< 5	< 10	267	< 5	13	83	46
1199103	0.039	7	< 5	0.03	36	245	< 2	0.30	< 5	< 10	203	< 5	16	75	56
1199104	0.022	< 3	< 5	0.04	35	237	3	0.24	< 5	< 10	263	< 5	13	76	33
1199105	0.024	5	< 5	0.05	19	362	< 2	0.28	< 5	10	165	< 5	9	49	29
1199106	0.012	< 3	< 5	0.03	9	350	< 2	0.13	< 5	10	66	< 5	5	41	15
1199107	0.012	< 3	< 5	< 0.01	7	401	3	0.13	< 5	10	64	< 5	4	34	14
1199108	0.026	3	< 5	< 0.01	18	322	< 2	0.20	< 5	10	81	< 5	11	44	25
1199109	0.056	8	6	0.22	24	683	2	0.37	< 5	10	211	< 5	20	236	54
1199110	0.005	< 3	< 5	< 0.01	< 4	93	< 2	< 0.01	< 5	< 10	< 2	< 5	1	6	< 5
1199111	0.019	4	< 5	0.01	13	422	< 2	0.19	< 5	10	98	< 5	7	48	24
1199112	0.029	8	< 5	0.07	15	464	< 2	0.28	< 5	10	131	< 5	11	88	34
1199113	0.016	3	< 5	0.03	36	179	5	0.28	< 5	< 10	203	< 5	10	91	27
1199114	0.057	6	< 5	0.05	33	216	5	0.38	< 5	< 10	190	< 5	20	70	67
1199115	0.027	3	< 5	0.03	24	268	< 2	0.23	< 5	< 10	138	< 5	10	76	38
1199116	0.019	3	< 5	0.01	23	245	< 2	0.21	< 5	< 10	127	< 5	8	62	26
1199117	0.065	4	< 5	0.12	27	186	4	0.16	< 5	< 10	151	< 5	20	70	34
1199118	0.024	4	< 5	0.06	30	211	6	0.29	< 5	< 10	193	< 5	12	67	43
1199119	0.019	< 3	< 5	0.01	24	284	4	0.18	< 5	< 10	117	< 5	8	58	30
1199120	0.019	< 3	< 5	0.02	24	289	5	0.23	< 5	< 10	127	< 5	8	57	26
1199121	0.018	< 3	< 5	0.02	22	292	< 2	0.26	< 5	< 10	153	< 5	7	57	27
1199122	0.019	3	< 5	0.02	23	250	< 2	0.24	< 5	< 10	134	< 5	8	63	28
1199123	0.016	5	< 5	0.03	24	98	2	0.17	< 5	< 10	112	< 5	7	89	25
1199124	0.011	5	< 5	0.04	21	77	< 2	0.18	< 5	< 10	119	< 5	6	88	18
1199125	0.013	4	< 5	0.51	13	13	2	0.10	< 5	< 10	73	< 5	4	105	18
1199126	0.010	3	< 5	0.51	13	95	< 2	0.11	< 5	< 10	70	< 5	4	90	17
1199127	0.009	4	< 5	0.95	18	120	< 2	0.11	< 5	< 10	83	< 5	4	94	16
1199128	0.003	< 3	< 5	0.03	31	29	< 2	0.09	< 5	< 10	149	< 5	2	83	7
1199129	0.003	< 3	< 5	0.18	37	78	< 2	0.08	< 5	< 10	197	< 5	2	86	6
1199130	0.057	45	< 5	3.22	11	279	5	0.41	< 5	< 10	88	< 5	10	117	53

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199131	0.006	3	< 5	0.61	23	130	< 2	0.08	< 5	< 10	92	< 5	2	84	9
1199132	0.005	4	< 5	0.60	23	128	< 2	0.08	< 5	< 10	92	< 5	2	83	8
1199133	0.004	< 3	< 5	0.13	27	52	3	0.09	< 5	< 10	101	< 5	2	77	8
1199134	0.003	< 3	< 5	0.10	26	99	3	0.09	< 5	< 10	85	< 5	2	77	7
1199135	0.003	4	< 5	0.22	23	145	< 2	0.08	< 5	< 10	77	< 5	2	69	6
1199136	0.005	4	< 5	1.00	25	99	< 2	0.10	< 5	< 10	88	< 5	3	84	9
1199137	0.008	< 3	< 5	0.20	25	98	< 2	0.13	< 5	< 10	99	< 5	4	78	15
1199138	0.009	7	< 5	1.07	26	61	< 2	0.13	< 5	< 10	110	< 5	4	92	16
1199139	0.011	4	< 5	0.09	21	32	< 2	0.12	< 5	< 10	84	< 5	3	75	16
1199140	0.005	< 3	< 5	< 0.01	< 4	113	< 2	< 0.01	< 5	10	< 2	< 5	< 1	26	< 5
1199141	0.008	4	< 5	0.13	21	18	3	0.12	< 5	10	95	< 5	4	84	13
1199142	0.006	4	< 5	0.07	16	233	< 2	0.09	< 5	< 10	72	< 5	2	74	8
1199143	0.012	5	< 5	0.41	13	242	< 2	0.12	< 5	< 10	71	< 5	4	76	15
1199144	0.008	4	< 5	0.35	11	114	< 2	0.08	< 5	< 10	50	< 5	2	95	9
1199145	0.016	4	< 5	0.14	14	154	< 2	0.12	< 5	< 10	74	< 5	5	80	27
1199146	0.025	4	< 5	0.21	19	202	< 2	0.22	< 5	< 10	127	< 5	7	65	35
1199147	0.003	3	< 5	0.04	27	58	2	0.08	< 5	< 10	97	< 5	2	77	6
1199148	0.003	< 3	< 5	< 0.01	25	91	< 2	0.08	< 5	< 10	91	< 5	2	74	6
1199149	0.007	< 3	< 5	< 0.01	22	165	5	0.10	< 5	< 10	88	< 5	3	65	10
1199150	0.004	< 3	< 5	0.07	18	220	< 2	0.07	< 5	< 10	73	< 5	2	62	6
1199151	0.019	8	< 5	0.03	29	211	< 2	0.26	< 5	< 10	195	< 5	9	81	30
1199152	0.019	7	< 5	0.08	18	250	< 2	0.21	< 5	< 10	113	< 5	7	64	26
1199153	0.017	9	< 5	0.10	18	199	5	0.19	< 5	< 10	107	< 5	7	77	21
1199154	0.013	7	< 5	0.03	21	219	4	0.15	< 5	< 10	102	< 5	6	60	18
1199155	0.017	7	< 5	0.04	29	235	< 2	0.20	< 5	< 10	153	< 5	8	52	24
1199156	0.030	10	< 5	0.04	15	279	2	0.21	< 5	< 10	109	< 5	11	55	35
1199157	0.021	6	< 5	0.13	16	194	2	0.21	< 5	< 10	105	< 5	7	73	24
1199158	0.010	7	< 5	0.08	24	130	2	0.14	< 5	< 10	108	< 5	6	83	13
1199159	0.013	6	< 5	0.04	20	173	< 2	0.16	< 5	< 10	99	< 5	6	61	19
1199160	0.061	44	< 5	3.22	11	276	9	0.55	< 5	< 10	103	< 5	10	111	57
1199161	0.023	5	< 5	0.22	20	265	3	0.25	< 5	< 10	141	< 5	9	58	33
1199162	0.025	5	< 5	0.18	21	117	< 2	0.23	< 5	< 10	119	< 5	9	85	36
1199163	0.043	7	< 5	0.34	30	115	3	0.36	< 5	< 10	184	< 5	14	83	56
1199164	0.038	7	< 5	0.58	26	76	3	0.30	< 5	< 10	131	< 5	14	84	56
1199165	0.008	7	< 5	0.83	28	25	2	0.13	< 5	< 10	116	< 5	3	98	11
1199166	0.003	5	< 5	0.42	17	164	< 2	0.07	< 5	< 10	66	< 5	2	68	5
1199167	0.003	8	< 5	0.32	10	268	< 2	0.05	< 5	< 10	40	< 5	2	55	< 5
1199168	0.002	5	< 5	0.22	12	231	5	0.05	< 5	< 10	44	< 5	1	57	< 5
1199169	0.003	7	< 5	0.10	20	173	4	0.08	< 5	< 10	75	< 5	2	85	6
1199170	0.004	< 3	< 5	< 0.01	< 4	90	< 2	< 0.01	< 5	10	< 2	< 5	1	9	< 5
1199171	0.002	8	< 5	0.25	11	214	2	0.04	< 5	< 10	40	< 5	1	52	< 5
1199172	0.009	5	< 5	0.37	12	283	4	0.09	< 5	< 10	61	< 5	4	57	12
1199173	0.004	14	< 5	0.29	11	220	< 2	0.07	< 5	< 10	61	< 5	2	91	6
1199174	0.003	63	< 5	0.05	18	172	< 2	0.07	< 5	< 10	85	< 5	3	220	7
1199175	0.002	10	< 5	0.09	21	128	3	0.07	< 5	< 10	79	< 5	2	104	< 5
1199176	0.002	6	< 5	0.29	12	243	3	0.07	< 5	< 10	63	< 5	< 1	62	< 5
1199177	0.002	9	< 5	0.09	9	261	< 2	0.07	< 5	< 10	81	< 5	< 1	58	< 5
1199178	0.002	7	< 5	0.11	7	266	3	0.07	< 5	10	71	< 5	< 1	48	< 5
1199179	0.001	8	< 5	0.02	7	174	< 2	0.04	< 5	< 10	45	< 5	2	73	< 5
1199180	0.002	21	< 5	0.15	13	153	< 2	0.06	< 5	< 10	58	< 5	1	88	< 5
1199181	0.006	57	< 5	0.67	27	62	2	0.11	< 5	< 10	96	< 5	3	164	10

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199182	0.005	14	< 5	0.49	25	64	< 2	0.10	< 5	< 10	95	< 5	3	123	9
1199183	0.002	10	< 5	0.32	13	211	3	0.05	< 5	< 10	47	< 5	< 1	70	< 5
1199184	0.001	6	< 5	0.07	17	182	4	0.06	< 5	< 10	52	< 5	1	74	< 5
1199185	0.002	13	< 5	0.45	12	236	< 2	0.06	< 5	< 10	43	< 5	1	68	< 5
1199186	0.001	5	< 5	0.10	11	216	4	0.05	< 5	< 10	52	< 5	< 1	59	< 5
1199187	0.003	10	< 5	0.40	17	177	< 2	0.08	< 5	< 10	73	< 5	1	70	5
1199188	0.002	6	< 5	0.09	10	245	4	0.08	< 5	< 10	82	< 5	< 1	60	< 5
1199189	0.003	7	< 5	0.54	16	224	2	0.13	< 5	< 10	94	< 5	< 1	72	< 5
1199190	0.059	44	< 5	3.33	11	276	7	0.35	< 5	< 10	82	< 5	10	114	55
1199191	0.003	7	< 5	0.37	12	259	3	0.12	< 5	< 10	94	< 5	< 1	66	< 5
1199192	0.003	6	< 5	0.27	15	262	< 2	0.17	< 5	< 10	112	< 5	< 1	72	< 5
1199193	0.003	5	< 5	0.48	22	191	5	0.15	< 5	< 10	110	< 5	1	86	7
1199194	0.004	8	< 5	0.59	15	270	< 2	0.09	< 5	< 10	83	< 5	< 1	72	< 5
1199195	0.005	5	< 5	0.13	25	168	< 2	0.14	< 5	< 10	102	< 5	3	101	10
1199196	0.002	5	< 5	0.02	9	381	< 2	0.05	< 5	10	65	< 5	< 1	66	< 5
1199197	0.003	8	< 5	0.04	9	350	2	0.04	< 5	10	30	< 5	< 1	53	< 5
1199198	0.002	7	< 5	0.02	8	349	< 2	0.03	< 5	10	30	< 5	< 1	53	< 5
1199199	0.014	8	< 5	0.11	12	267	< 2	0.15	< 5	10	77	< 5	10	62	29
1199200	0.005	< 3	< 5	< 0.01	< 4	88	< 2	< 0.01	< 5	< 10	< 2	< 5	1	7	< 5
1199201	0.003	7	< 5	0.02	10	312	< 2	0.08	< 5	10	74	< 5	1	63	< 5
1199202	0.003	8	< 5	0.04	10	286	2	0.07	< 5	< 10	57	< 5	1	63	< 5
1199203	0.003	6	< 5	0.04	9	221	2	0.07	< 5	< 10	73	< 5	< 1	61	< 5
1199204	0.002	7	< 5	0.03	32	228	7	0.19	< 5	< 10	178	< 5	2	68	< 5
1199205	< 0.001	7	< 5	0.01	40	188	3	0.19	< 5	< 10	204	< 5	3	67	< 5
1199206	< 0.001	9	< 5	0.02	42	209	< 2	0.22	< 5	< 10	211	< 5	4	66	< 5
1199207	0.003	49	< 5	0.05	46	192	3	0.37	< 5	< 10	213	< 5	6	168	< 5
1199208	0.002	55	< 5	0.11	43	217	3	0.30	< 5	< 10	246	< 5	4	141	< 5
1199209	0.003	8	< 5	0.35	20	237	4	0.16	< 5	< 10	106	< 5	2	76	< 5
1199210	0.003	7	< 5	0.30	21	214	< 2	0.15	< 5	10	101	< 5	2	66	< 5
1199211	0.002	6	< 5	0.07	9	309	< 2	0.12	< 5	10	53	< 5	1	46	< 5
1199212	0.005	5	< 5	0.01	12	246	3	0.12	< 5	10	72	< 5	< 1	70	< 5
1199213	0.003	6	< 5	< 0.01	13	229	< 2	0.09	< 5	< 10	71	< 5	1	80	< 5
1199214	0.003	6	< 5	0.06	11	276	< 2	0.09	< 5	< 10	70	< 5	1	83	< 5
1199215	0.003	5	< 5	< 0.01	12	288	< 2	0.07	< 5	< 10	68	< 5	1	76	< 5
1199216	0.003	5	< 5	0.02	11	289	< 2	0.07	< 5	< 10	69	< 5	< 1	73	< 5
1199217	0.003	6	< 5	0.13	10	310	< 2	0.05	< 5	< 10	49	< 5	< 1	73	< 5
1199218	0.005	4	< 5	0.11	7	430	< 2	0.03	< 5	< 10	36	< 5	< 1	56	< 5
1199219	0.023	11	< 5	0.13	25	297	< 2	0.30	< 5	< 10	175	< 5	12	92	37
1199220	0.055	46	< 5	3.24	11	277	6	0.34	< 5	< 10	81	< 5	10	113	51
1199221	0.004	6	< 5	0.16	16	308	< 2	0.07	< 5	< 10	55	< 5	2	91	7
1199222	0.006	5	< 5	0.07	30	38	9	0.13	< 5	< 10	110	< 5	5	137	13
1199223	0.031	7	< 5	0.29	30	189	6	0.52	< 5	< 10	301	< 5	14	114	48
1199224	0.010	5	< 5	0.12	24	119	2	0.14	< 5	< 10	98	< 5	5	124	19
1199225	0.007	6	< 5	0.09	27	71	2	0.13	< 5	< 10	102	< 5	5	120	15
1199226	0.008	5	< 5	0.21	28	44	< 2	0.14	< 5	< 10	112	< 5	6	141	16
1199227	0.004	9	< 5	0.10	10	378	< 2	0.07	< 5	< 10	46	< 5	3	75	10
1199228	0.005	6	< 5	0.22	7	425	< 2	0.05	< 5	< 10	26	< 5	3	35	16
1199229	0.006	7	< 5	0.08	22	231	< 2	0.12	< 5	< 10	88	< 5	5	97	14
1199230	0.004	< 3	< 5	< 0.01	< 4	90	< 2	< 0.01	< 5	10	< 2	< 5	3	6	< 5
1199231	0.006	5	< 5	0.08	27	64	3	0.13	< 5	< 10	104	< 5	5	124	14
1199232	0.071	7	< 5	0.28	31	156	6	0.36	< 5	< 10	123	< 5	37	102	88

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						4						143	138	297	9.02								6180
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						< 3						146	139	310	9.26								6340
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						8						147	127	313	9.39								6430
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												47		417	10.8		2.41	1.24		965	20		11
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												45		401	10.2		2.20	1.22		884	18		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		414	10.3		2.40	1.25		932	18		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				39.0					17			125		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				42.1					69			119		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				43.5					75			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 13b (4-Acid) Meas				0.8		43						73	8910	2350							8		2140
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		50						76	9000	2450							10		2190
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		36						72	8520	2300							8		2110
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.6	6.52	100	206	8	2	0.05		91	53	5820	6.69	17	3.01	0.56	16	414	2	0.03	42
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.4	6.68	91	198	8	4	0.05		92	46	5800	6.84	16	2.93	0.57	16	438	2	0.04	45
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.82	94	215	8	4	0.05		94	49	5960	6.93	16	3.48	0.58	17	426	2	0.04	45

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					7.92	7	187	< 1	< 2	0.20		31	510	373	14.9	23	0.42	0.25	23	523	< 1	0.10	242
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.21	3	185	< 1	< 2	0.19		30	391	356	13.9	22	0.40	0.24	21	487	< 1	0.10	232
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.37	7	189	< 1	< 2	0.19		31	461	371	14.2	22	0.41	0.25	22	521	< 1	0.10	235
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4410	1920	1210																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5430	2080	1320																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4950	1990	1320																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4870	2100	1380																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5070	2120	1390																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	5000	2070	1360																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.6					16			53		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.2					20			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.5					28			50		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.8					26			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.8	7.56	13	449	2	20	0.50	0.5	24	69	4340	6.88	20	2.21	1.78	32	989	< 1	0.33	42
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Meas				3.9	7.78	9	447	2	13	0.51	< 0.3	23	65	4430	6.84	19	2.57	1.79	31	985	1	0.32	39
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.3	7.74	7	385	2	11	0.51	0.3	23	61	4360	6.76	20	2.12	1.77	31	968	< 1	0.32	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				71.3	5.93	73		1	< 2	2.09	294	31	28	3720	3.94	25	2.39	0.51	15	561	14	1.36	31
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				71.6	5.94	84		1	< 2	2.08	276	30	35	3600	3.75	25	1.75	0.52	15	565	17	1.32	27
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				72.0	6.31	70		1	< 2	2.09	276	30	31	3610	3.81	26	2.19	0.51	15	537	14	1.33	30
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	2010	1750	238																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1990	1710	232																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1960	1670	245																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1910	1740	243																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1940	1720	249																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1940	1670	233																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
OREAS 681 (4 Acid) Meas				< 0.3	7.58		411	< 1	< 2	5.46		47	1320	246	7.48	16	1.30	4.84	13	1250	1	1.55	452
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.53		410	< 1	< 2	5.74		49	1430	263	7.91	16	1.39	5.13	14	1310	< 1	1.64	474
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				1.2	8.03		420	1	< 2	5.74		47	1230	261	7.80	17	1.34	5.06	13	1260	< 1	1.59	471
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.02		421	1	< 2	5.78		47	1430	263	7.60	17	1.32	5.08	13	1260	< 1	1.60	471

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.5	6.33	3140	545	2	< 2	0.85	< 0.3	13	90	40	3.32	17	2.26	1.21	30	364	< 1	0.46	47
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					5.15	19	> 1000	31	9	1.12		7	42	285	3.24	24	1.61	0.54	2050	393	2	0.94	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.24	19	> 1000	32	8	1.18		7	44	308	3.40	24	1.70	0.57	2180	421	3	0.99	24
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.34	17	> 1000	31	7	1.18		7	45	298	3.33	25	1.70	0.57	2140	419	3	0.98	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.27	15	> 1000	31	6	1.17		7	42	292	3.28	26	1.69	0.56	2100	422	4	0.97	21
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.0	4.37	256		< 1	< 2	3.54		357	29	5370	19.1	18	2.94	1.07	16	2890	118	0.91	70
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.63	261		< 1	3	3.69		353	32	5580	19.7	16	2.19	1.13	17	2990	123	0.96	68
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.63	271		< 1	4	3.67		353	35	5560	19.6	17	3.05	1.12	17	2970	130	0.95	66
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.57	127	188	< 1	< 2	2.78	0.3	74		46	5.42	8	0.58	12.4	33	1080	2	0.74	1970
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
OREAS 70b (4 Acid) Meas				< 0.3	3.77	130	196	< 1	< 2	2.96	< 0.3	75		49	5.69	9	0.58	13.0	32	1110	2	0.76	2010
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
1199038 Orig	8	34	35																				
1199038 Dup	8	33	40																				
1199042 Orig				< 0.3	7.53	5	276	< 1	< 2	7.19	< 0.3	51	24	239	9.72	19	0.65	3.66	11	1470	< 1	1.69	82
1199042 Dup				< 0.3	7.39	< 3	269	< 1	< 2	7.08	< 0.3	51	25	237	9.60	19	0.63	3.61	11	1450	< 1	1.67	82
1199048 Orig	2	25	30																				
1199048 Dup	3	25	27																				
1199052 Orig				< 0.3	8.29	< 3	256	< 1	< 2	6.76	< 0.3	46	42	107	8.77	18	0.56	3.46	15	1360	< 1	1.75	66
1199052 Dup				< 0.3	7.78	< 3	264	< 1	< 2	6.90	< 0.3	48	41	110	8.98	18	0.58	3.51	15	1390	< 1	1.80	68
1199058 Orig	3	29	33																				
1199058 Dup	3	28	30																				
1199063 Orig				< 0.3	7.79	8	191	< 1	< 2	7.17	< 0.3	47	28	109	8.84	18	0.46	3.60	12	1370	< 1	1.67	69
1199063 Dup				< 0.3	7.75	< 3	192	< 1	< 2	7.21	< 0.3	48	30	111	8.96	18	0.47	3.64	12	1390	< 1	1.70	68
1199068 Orig	5	23	18																				
1199068 Dup	5	23	17																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199076 Orig				< 0.3	7.53	< 3	189	< 1	< 2	6.90	< 0.3	46	25	114	8.70	19	0.51	3.48	14	1400	< 1	1.57	67
1199076 Dup				< 0.3	7.49	< 3	189	< 1	< 2	6.93	< 0.3	46	23	122	8.80	18	0.52	3.51	15	1400	< 1	1.58	69
1199078 Orig	< 2	22	20	< 0.3	7.40	< 3	202	< 1	< 2	6.99	< 0.3	46	26	109	8.88	18	0.61	3.51	16	1420	< 1	1.45	70
1199078 Split PREP DUP	< 2	22	19	< 0.3	7.29	4	186	< 1	< 2	6.93	< 0.3	46	33	105	8.92	17	0.55	3.54	16	1430	< 1	1.42	71
1199079 Orig	2	22	20																				
1199079 Dup	< 2	21	22																				
1199087 Orig	5	< 5	< 5																				
1199087 Dup	7	< 5	< 5																				
1199093 Orig				0.5	4.49	< 3	54	< 1	< 2	4.51	< 0.3	79	95	1880	9.13	12	0.18	7.71	21	1450	< 1	0.54	589
1199093 Dup				0.5	4.45	< 3	53	< 1	< 2	4.49	< 0.3	77	110	1880	9.16	11	0.18	7.74	21	1450	< 1	0.54	591
1199105 Orig				< 0.3	10.9	< 3	395	< 1	< 2	6.10	< 0.3	29	12	317	5.97	17	0.62	2.26	26	779	< 1	3.13	70
1199105 Dup				< 0.3	10.6	< 3	393	< 1	< 2	6.06	< 0.3	29	16	314	5.90	18	0.61	2.24	25	779	< 1	3.07	71
1199107 Orig	< 2	6	< 5																				
1199107 Dup	< 2	< 5	< 5																				
1199117 Orig	3	< 5	< 5																				
1199117 Dup	< 2	< 5	< 5																				
1199121 Orig				< 0.3	10.6	< 3	139	< 1	< 2	7.33	< 0.3	40	50	72	6.37	17	0.36	3.74	16	1000	< 1	1.84	100
1199121 Dup				< 0.3	9.98	3	138	< 1	< 2	7.29	< 0.3	40	40	73	6.34	17	0.37	3.74	16	1000	< 1	1.86	99
1199127 Orig	127	899	258																				
1199127 Dup	107	895	233																				
1199128 Orig	7	98	25	< 0.3	6.16	< 3	20	< 1	< 2	3.49	< 0.3	64	185	206	7.64	10	0.12	10.3	51	1350	< 1	0.34	183
1199128 Split PREP DUP	8	70	15	< 0.3	6.19	< 3	21	< 1	< 2	3.47	< 0.3	64	193	165	7.64	10	0.13	10.3	52	1370	< 1	0.34	184
1199131 Orig				0.9	7.25	< 3	42	< 1	< 2	4.37	0.3	78	397	1840	7.28	11	0.26	8.08	33	1220	< 1	1.06	649
1199131 Dup				1.0	7.33	< 3	42	< 1	< 2	4.42	< 0.3	80	330	1900	7.45	11	0.26	8.21	34	1230	< 1	1.09	661
1199136 Orig	72	1210	278																				
1199136 Dup	112	1210	269																				
1199146 Orig	89	1110	313																				
1199146 Dup	84	1110	304																				
1199148 Orig				< 0.3	6.33	< 3	29	< 1	< 2	4.75	< 0.3	61	233	23	7.23	10	0.15	9.19	38	1350	< 1	0.67	223
1199148 Dup				< 0.3	6.36	< 3	29	< 1	< 2	4.73	< 0.3	60	251	20	7.14	10	0.15	9.10	38	1330	< 1	0.67	221
1199156 Orig	5	38	15																				
1199156 Dup	9	35	20																				
1199162 Orig				0.3	7.16	5	54	< 1	< 2	5.21	0.3	60	87	575	7.50	13	0.21	6.79	23	1240	< 1	1.47	264
1199162 Dup				0.3	7.37	< 3	55	< 1	< 2	5.27	0.4	60	82	584	7.62	13	0.21	6.90	24	1250	< 1	1.49	268
1199176 Orig	8	94	25																				
1199176 Dup	10	103	29																				
1199178 Orig	< 2	14	< 5	< 0.3	10.8	< 3	106	< 1	< 2	5.24	< 0.3	26	55	49	3.80	19	0.35	2.91	19	644	< 1	3.18	111
1199178 Split PREP DUP	< 2	16	5	< 0.3	10.5	< 3	103	< 1	< 2	5.23	< 0.3	26	71	54	3.83	19	0.34	2.91	19	644	< 1	3.14	113
1199185 Orig	24	128	27	0.4	10.4	< 3	115	< 1	< 2	5.68	< 0.3	62	40	598	5.70	17	0.31	3.97	23	859	< 1	2.41	203
1199185 Dup	30	127	28	0.4	10.3	< 3	112	< 1	< 2	5.58	< 0.3	62	46	584	5.54	19	0.31	3.87	22	845	< 1	2.33	201
1199187 Orig				< 0.3	8.89	< 3	120	< 1	< 2	5.18	< 0.3	61	89	392	6.88	15	0.42	5.05	25	1110	< 1	1.94	190
1199187 Dup				< 0.3	9.03	< 3	119	< 1	< 2	5.17	< 0.3	61	86	402	6.95	15	0.43	5.08	25	1110	< 1	1.87	191
1199195 Orig	< 2	10	< 5																				
1199195 Dup	< 2	9	8																				
1199205 Orig	3	9	9	< 0.3	7.61	< 3	142	< 1	< 2	7.26	< 0.3	40	142	21	6.95	14	0.57	4.67	19	1240	< 1	1.38	99
1199205 Dup	< 2	9	9	< 0.3	7.54	< 3	140	< 1	< 2	7.28	< 0.3	39	133	21	6.97	14	0.57	4.68	19	1250	< 1	1.38	99
1199215 Orig	< 2	< 5	< 5																				
1199215 Dup	2	< 5	< 5																				
1199220 Orig				3.2	6.56	< 3	45	< 1	< 2	3.95	0.4	165	186	6240	13.5	13	0.60	3.85	13	1110	< 1	1.82	8200

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199220 Dup				3.5	6.58	3	51	< 1	< 2	3.94	0.4	165	185	6190	13.4	13	0.59	3.82	13	1090	< 1	1.80	8310
1199225 Orig	47	17	86																				
1199225 Dup	52	17	82																				
1199228 Orig	25	< 5	5																				
1199228 Split PREP DUP	21	< 5	< 5																				
1199228 Orig				0.4	15.8	7	925	< 1	< 2	5.86	0.4	35	15	584	4.92	23	0.78	1.53	18	524	1	3.31	91
1199228 Dup				0.4	13.3	6	922	< 1	< 2	6.09	< 0.3	37	13	623	5.18	23	0.79	1.54	18	560	< 1	3.49	98
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	10																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	6	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	0.03	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1
Method Blank	6	< 5	< 5																				
Method Blank	3	< 5	< 5																				
Method Blank	2	< 5	< 5																				
Method Blank	4	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.61											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.67											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.67											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.122	23						0.37		390	79		133		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.105	25						0.36		380	78		131		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.115	25						0.36		390	79		134		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		308	< 5	14.8										1310	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		311	9	15.7										1290	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		318	6	16.4										1310	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.13										113	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.24										124	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.16										118	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.101	10	< 5	0.06	12	28			< 5	< 10	80	< 5	34	27	72
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.095	12	< 5	0.06	11	30			< 5	< 10	85	< 5	35	28	11
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.098	13	< 5	0.06	12	30			< 5	< 10	86	< 5	35	28	53

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.035	22	< 5	0.04	51	35		0.27	< 5	< 10	118	< 5	11	46	66
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.033	26	< 5	0.04	50	33		0.16	< 5	< 10	88	< 5	11	44	43
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.035	24	< 5	0.05	52	34		0.36	< 5	< 10	142	< 5	11	49	92
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		96	< 5	4.40										467	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		92	< 5	4.27										451	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		95	< 5	4.33										450	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		96	< 5	4.47										459	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.068	86	< 5	0.75	13	46		0.43	< 5	< 10	97	9	27	372	129
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Meas	0.065	88	< 5	0.73	13	47		0.42	< 5	< 10	95	8	27	370	122
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.065	76	< 5	0.74	13	46		0.42	< 5	< 10	95	7	27	369	123
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.038	> 5000	22	4.80	6	73		0.19	< 5	< 10	36	< 5	11	> 10000	160
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.036	> 5000	12	4.70	5	61		0.18	< 5	< 10	35	< 5	12	> 10000	156
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.037	> 5000	13	4.72	6	76		0.19	< 5	< 10	35	< 5	12	> 10000	153
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
OREAS 681 (4 Acid) Meas	0.137	9	< 5	0.10	26	437		0.56		< 10	236	< 5	16	79	61
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.133	9	< 5	0.10	26	473		0.57		< 10	246	< 5	16	79	61
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.135	8	< 5	0.10	26	464		0.57		< 10	241	< 5	16	81	57
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.138	11	< 5	0.10	26	464		0.57		< 10	241	< 5	16	81	64

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 247 (4 Acid) Meas	0.046	30	316	0.73	12	99		0.36	< 5	< 10	66	< 5	18	86	115
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 147 (4 Acid) Meas	0.099	26	13	0.02	11	298		0.21	9	< 10	43		27	144	26
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.099	28	11	0.02	11	317		0.27	8	< 10	52		28	146	31
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.107	29	10	0.02	11	316		0.23	7	< 10	47		29	146	31
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.090	29	8	0.02	11	316		0.31	< 5	< 10	57		28	147	23
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.073	6	< 5	1.60	12	95	2	0.37	< 5	30	189	43	17	22	112
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.076	19	< 5	1.65	13	66	9	0.37	< 5	40	201	25	18	24	113
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.078	15	8	1.68	13	101	5	0.38	< 5	40	200	44	18	25	115
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.021	10	< 5	0.28	11	70		0.17	< 5	< 10	63	6	8	96	60
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66
OREAS 70b (4 Acid) Meas	0.022	13	< 5	0.30	12	70		0.17	< 5	< 10	65	< 5	9	102	58
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
1199038 Orig															
1199038 Dup															
1199042 Orig	0.026	5	< 5	0.03	41	195	7	0.32	< 5	< 10	379	< 5	14	94	46
1199042 Dup	0.025	6	< 5	0.03	40	192	4	0.33	< 5	< 10	381	< 5	14	93	43
1199048 Orig															
1199048 Dup															
1199052 Orig	0.037	6	< 5	0.02	40	196	3	0.40	< 5	< 10	253	< 5	17	92	51
1199052 Dup	0.035	6	< 5	0.02	36	202	3	0.39	< 5	< 10	252	< 5	16	95	51
1199058 Orig															
1199058 Dup															
1199063 Orig	0.027	6	< 5	0.02	40	199	4	0.26	< 5	< 10	235	< 5	14	89	40
1199063 Dup	0.026	8	< 5	0.02	39	200	3	0.29	< 5	< 10	240	< 5	14	90	38
1199068 Orig															
1199068 Dup															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199076 Orig	0.037	6	< 5	0.03	37	207	2	0.31	< 5	< 10	240	< 5	16	80	58
1199076 Dup	0.037	6	< 5	0.03	37	208	3	0.30	< 5	< 10	238	< 5	16	80	57
1199078 Orig	0.033	6	< 5	0.04	37	209	4	0.34	< 5	< 10	258	< 5	15	76	51
1199078 Split PREP DUP	0.033	7	< 5	0.04	37	205	4	0.39	< 5	< 10	265	< 5	15	79	48
1199079 Orig															
1199079 Dup															
1199087 Orig															
1199087 Dup															
1199093 Orig	0.016	6	< 5	0.25	33	65	4	0.20	< 5	< 10	148	< 5	7	80	23
1199093 Dup	0.016	6	< 5	0.24	33	65	2	0.20	< 5	< 10	147	< 5	7	80	22
1199105 Orig	0.024	5	< 5	0.05	19	364	< 2	0.27	< 5	20	160	< 5	10	49	28
1199105 Dup	0.024	5	< 5	0.05	18	359	10	0.28	< 5	10	170	< 5	9	50	31
1199107 Orig															
1199107 Dup															
1199117 Orig															
1199117 Dup															
1199121 Orig	0.018	< 3	< 5	0.02	23	292	< 2	0.27	< 5	< 10	154	< 5	7	57	29
1199121 Dup	0.018	3	< 5	0.02	22	293	5	0.25	< 5	< 10	153	< 5	7	57	24
1199127 Orig															
1199127 Dup															
1199128 Orig	0.003	< 3	< 5	0.03	31	29	< 2	0.09	< 5	< 10	149	< 5	2	83	7
1199128 Split PREP DUP	0.003	< 3	< 5	0.03	30	29	4	0.09	< 5	< 10	150	< 5	2	80	7
1199131 Orig	0.006	4	< 5	0.61	23	129	< 2	0.08	< 5	< 10	92	< 5	2	83	9
1199131 Dup	0.005	3	< 5	0.62	23	131	< 2	0.08	< 5	< 10	93	< 5	2	84	9
1199136 Orig															
1199136 Dup															
1199146 Orig															
1199146 Dup															
1199148 Orig	0.003	4	< 5	< 0.01	25	91	< 2	0.08	< 5	< 10	91	< 5	2	75	6
1199148 Dup	0.003	< 3	< 5	< 0.01	25	90	< 2	0.08	< 5	< 10	90	< 5	2	74	6
1199156 Orig															
1199156 Dup															
1199162 Orig	0.024	5	< 5	0.18	21	117	4	0.23	< 5	< 10	118	< 5	8	85	34
1199162 Dup	0.025	4	< 5	0.18	21	117	< 2	0.24	< 5	< 10	119	< 5	9	86	37
1199176 Orig															
1199176 Dup															
1199178 Orig	0.002	7	< 5	0.11	7	266	3	0.07	< 5	10	71	< 5	< 1	48	< 5
1199178 Split PREP DUP	0.002	7	< 5	0.12	7	259	3	0.07	< 5	10	71	< 5	< 1	48	< 5
1199185 Orig	0.002	13	< 5	0.46	12	238	4	0.06	< 5	< 10	43	< 5	1	69	< 5
1199185 Dup	0.002	13	< 5	0.45	12	234	< 2	0.06	< 5	< 10	42	< 5	1	68	< 5
1199187 Orig	0.003	10	< 5	0.39	17	176	6	0.08	< 5	< 10	72	< 5	1	70	5
1199187 Dup	0.003	9	< 5	0.41	17	178	< 2	0.08	< 5	< 10	73	< 5	1	71	5
1199195 Orig															
1199195 Dup															
1199205 Orig	< 0.001	7	< 5	0.01	40	188	2	0.19	< 5	< 10	204	< 5	3	67	< 5
1199205 Dup	< 0.001	7	< 5	0.01	40	189	5	0.19	< 5	< 10	204	< 5	3	68	< 5
1199215 Orig															
1199215 Dup															
1199220 Orig	0.055	45	< 5	3.21	11	279	6	0.35	< 5	< 10	79	< 5	10	112	50

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199220 Dup	0.056	47	< 5	3.26	11	276	5	0.34	< 5	< 10	83	< 5	10	114	53
1199225 Orig															
1199225 Dup															
1199228 Orig															
1199228 Split PREP DUP															
1199228 Orig	0.005	6	< 5	0.24	8	418	< 2	0.05	< 5	< 10	25	< 5	4	34	18
1199228 Dup	0.004	7	< 5	0.21	6	432	5	0.05	< 5	< 10	26	< 5	3	36	14
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
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Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
Method Blank															
Method Blank															
Method Blank															

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-17153-ReAssay**
Report Date: **29-Nov-21**
Date Submitted: **10-Sep-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

204 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-11-25 12:37:18

REPORT **A21-17153-ReAssay**

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Notes:

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Pd	Pt
Unit Symbol	ppb	ppb	ppb
Lower Limit	2	5	5
Method Code	FA-ICP	FA-ICP	FA-ICP
1199159	< 2	30	13
1199160	148	1330	688
1199161	2	16	10
1199162	19	174	122
1199163	39	68	39
1199164	40	176	32
1199165	41	280	78
1199166	19	198	64
1199167	29	250	74
1199168	17	217	64
1199169	9	226	67
1199170	< 2	< 5	< 5
1199171	9	33	11
1199172	13	12	< 5
1199173	18	268	82
1199174	9	384	113
1199175	12	125	33
1199176	11	102	26
1199177	2	11	< 5
1199178	< 2	13	< 5
1199179	4	9	< 5
1199180	13	198	59
1199181	59	706	192

Analyte Symbol	Au	Pd	Pt
Unit Symbol	ppb	ppb	ppb
Lower Limit	2	5	5
Method Code	FA-ICP	FA-ICP	FA-ICP
CDN-PGMS-27 Meas	4800	2130	1380
CDN-PGMS-27 Cert	4800	2000	1290.00
CDN-PGMS-30 Meas	1810	1700	222
CDN-PGMS-30 Cert	1897.000	1660.000	223.000
1199168 Orig	18	211	64
1199168 Dup	16	222	63
1199178 Orig	< 2	13	< 5
1199178 Dup	< 2	14	< 5
Method Blank	< 2	< 5	< 5
Method Blank	< 2	< 5	< 5

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-17551**
Report Date: **11-Nov-21**
Date Submitted: **16-Sep-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

216 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-10-29 10:49:06
1F2	QOP Total (Total Digestion ICPOES)	2021-10-29 08:33:32

REPORT **A21-17551**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199233	52	51	44	0.3	6.33	4	185	< 1	< 2	4.97	< 0.3	57	124	275	8.31	13	0.60	4.98	22	1310	1	1.41	128
1199234	4	< 5	< 5	< 0.3	9.70	5	195	< 1	< 2	5.72	< 0.3	42	143	61	6.57	18	0.73	4.07	24	1090	< 1	1.94	86
1199235	39	< 5	< 5	0.5	11.0	7	267	< 1	< 2	5.52	< 0.3	34	59	451	5.21	21	0.92	2.61	22	769	< 1	2.50	84
1199236	105	18	12	0.7	7.68	< 3	145	< 1	< 2	4.79	0.4	66	319	972	8.64	14	0.43	5.70	26	1520	< 1	2.29	234
1199237	10	8	< 5	< 0.3	6.09	6	148	< 1	< 2	4.62	< 0.3	60	566	151	9.58	13	0.34	7.19	33	1760	< 1	1.56	251
1199238	2	< 5	< 5	< 0.3	8.50	< 3	319	< 1	2	2.97	< 0.3	72	295	110	12.1	27	1.02	6.07	48	1770	1	1.83	190
1199239	< 2	< 5	< 5	< 0.3	6.50	< 3	175	< 1	< 2	2.81	< 0.3	79	298	64	12.2	22	0.63	6.59	35	1900	< 1	0.99	210
1199240	4	< 5	< 5	< 0.3	9.65	7	547	< 1	3	1.32	< 0.3	70	227	107	12.8	27	1.89	5.47	45	1630	< 1	1.29	164
1199241	166	15	< 5	2.7	8.51	11	52	< 1	< 2	3.25	1.1	129	30	4610	11.9	17	0.87	2.65	16	1120	< 1	2.80	757
1199242	120	16	< 5	2.6	9.07	7	62	< 1	< 2	3.40	1.2	134	30	4360	11.6	18	0.90	2.62	16	1090	< 1	3.28	820
1199243	28	< 5	< 5	1.2	9.30	8	221	< 1	< 2	4.52	0.6	98	179	1820	14.2	28	1.09	4.68	33	1660	< 1	1.45	312
1199244	6	< 5	< 5	< 0.3	8.89	11	500	< 1	< 2	5.44	< 0.3	66	203	198	12.9	26	1.39	4.76	35	1750	< 1	1.10	165
1199245	9	< 5	9	< 0.3	7.64	4	472	< 1	< 2	5.57	< 0.3	52	97	160	9.92	18	1.08	4.14	27	1480	< 1	1.37	116
1199246	10	< 5	18	0.4	7.55	< 3	228	< 1	< 2	6.32	< 0.3	55	63	282	8.64	17	0.52	3.89	21	1370	< 1	1.51	119
1199247	7	< 5	5	0.4	7.80	7	204	< 1	< 2	5.97	< 0.3	48	49	268	8.18	17	0.47	3.69	20	1330	1	1.85	114
1199248	5	< 5	6	< 0.3	8.09	5	380	< 1	< 2	5.38	< 0.3	47	49	115	8.67	16	0.65	3.75	25	1380	< 1	2.08	87
1199249	26	< 5	< 5	0.6	5.35	4	171	< 1	< 2	3.25	< 0.3	50	58	465	8.15	12	0.48	3.71	19	1350	1	2.22	98
1199250	110	1300	666	3.3	6.71	6	110	< 1	< 2	4.10	0.9	171	231	6640	14.3	14	0.64	3.97	13	1170	< 1	1.88	8700
1199251	3	< 5	< 5	< 0.3	7.00	< 3	379	< 1	< 2	3.92	< 0.3	57	87	105	10.5	17	1.10	4.06	33	1520	< 1	2.29	122
1199252	7	6	7	< 0.3	6.36	4	253	< 1	< 2	3.15	< 0.3	37	34	187	6.86	15	0.66	2.65	18	1040	< 1	2.78	63
1199253	11	12	16	0.3	3.61	< 3	103	< 1	< 2	5.28	< 0.3	78	101	198	12.4	11	0.38	7.01	27	2280	< 1	0.39	178
1199254	5	7	12	0.4	4.54	< 3	235	< 1	< 2	3.87	0.3	61	70	121	10.2	12	0.70	5.18	26	1660	< 1	1.16	118
1199255	4	< 5	< 5	< 0.3	5.63	< 3	617	< 1	< 2	2.20	0.3	38	25	108	8.49	17	1.69	2.30	29	935	< 1	2.11	35
1199256	24	11	9	0.6	4.17	< 3	533	< 1	< 2	3.79	< 0.3	68	111	281	11.8	13	1.74	4.95	34	1760	< 1	0.52	139
1199257	60	10	13	0.8	5.23	< 3	349	< 1	< 2	3.59	0.4	77	118	752	11.6	14	1.11	4.96	28	1740	< 1	0.96	211
1199258	234	15	26	1.4	6.17	< 3	251	< 1	< 2	4.11	0.7	108	103	1510	12.4	15	0.72	4.79	21	1710	< 1	1.44	489
1199259	133	11	26	1.1	6.86	< 3	245	< 1	< 2	4.61	0.8	94	66	1160	11.1	16	0.69	3.91	19	1520	< 1	2.04	370
1199260	< 2	< 5	< 5	< 0.3	0.07	< 3	37	< 1	< 2	31.8	< 0.3	< 1	4	3	0.11	< 1	0.03	5.96	3	198	< 1	0.03	2
1199261	11	< 5	5	0.4	7.35	< 3	162	< 1	< 2	3.84	< 0.3	81	61	301	10.6	17	0.42	4.29	25	1590	< 1	2.34	203
1199262	9	< 5	< 5	< 0.3	8.16	8	174	< 1	< 2	3.63	< 0.3	59	124	138	9.05	16	0.32	4.13	30	1470	< 1	2.89	168
1199263	< 2	< 5	< 5	< 0.3	8.74	< 3	525	< 1	< 2	3.31	< 0.3	52	115	32	8.59	17	0.63	3.91	31	1430	< 1	2.92	149
1199264	19	7	5	0.7	6.85	< 3	428	< 1	< 2	3.67	0.4	79	86	1000	12.6	16	0.56	3.57	22	1390	< 1	2.27	340
1199265	45	17	8	1.4	5.14	< 3	65	< 1	< 2	5.33	1.2	394	65	2470	18.9	15	0.88	3.77	14	1660	< 1	0.81	1730
1199266	106	14	17	2.8	4.10	< 3	261	< 1	< 2	3.52	2.1	191	60	4270	28.0	14	0.83	3.38	15	1520	< 1	0.90	722
1199267	92	21	12	2.7	4.17	< 3	274	< 1	< 2	3.50	2.1	204	57	4290	27.1	14	0.87	3.35	16	1530	< 1	0.85	804
1199268	18	7	< 5	0.6	7.20	< 3	260	< 1	< 2	3.69	0.8	154	112	856	11.8	15	0.69	4.21	29	1780	< 1	2.09	411
1199269	< 2	< 5	< 5	< 0.3	9.52	< 3	132	< 1	< 2	2.44	< 0.3	64	123	47	9.49	17	0.23	3.81	33	1580	< 1	3.20	146
1199270	138	1340	618	3.2	6.66	4	116	< 1	< 2	4.04	0.9	170	255	6480	14.0	13	0.61	3.87	13	1140	< 1	1.85	8540
1199271	< 2	< 5	< 5	< 0.3	8.75	3	222	< 1	< 2	2.72	< 0.3	45	64	2	8.67	17	0.22	3.66	31	1540	< 1	3.11	141
1199272	< 2	< 5	< 5	< 0.3	8.36	< 3	191	< 1	< 2	2.56	< 0.3	44	86	13	8.33	17	0.24	3.39	29	1480	< 1	3.11	130
1199273	20	< 5	< 5	0.5	6.29	< 3	62	< 1	< 2	3.91	< 0.3	46	36	344	6.38	16	0.16	2.20	9	1190	1	3.10	53
1199274	6	< 5	< 5	< 0.3	6.92	3	64	< 1	< 2	3.93	< 0.3	68	113	210	11.6	19	0.21	4.39	25	2120	< 1	2.55	177
1199275	66	42	32	< 0.3	6.63	< 3	209	< 1	< 2	6.39	< 0.3	59	43	443	10.8	16	0.70	3.67	19	1670	< 1	1.49	106
1199276	5	17	13	< 0.3	5.55	< 3	194	< 1	< 2	4.51	< 0.3	49	41	224	9.57	16	0.67	2.95	18	1470	2	1.67	71
1199277	85	198	57	1.5	7.06	< 3	254	< 1	< 2	3.66	1.0	64	39	1790	10.6	19	0.81	2.34	18	1390	4	2.27	226
1199278	2	< 5	< 5	< 0.3	7.75	5	278	< 1	< 2	4.57	< 0.3	51	21	142	10.2	21	0.76	2.13	20	1390	< 1	2.42	57
1199279	< 2	< 5	< 5	< 0.3	7.45	< 3	397	< 1	< 2	4.88	< 0.3	53	17	99	11.3	22	1.12	2.17	24	1400	< 1	2.18	46
1199280	< 2	< 5	< 5	< 0.3	0.06	< 3	156	< 1	< 2	27.2	< 0.3	< 1	4	2	0.15	< 1	0.02	7.57	4	236	< 1	0.03	< 1
1199281	3	< 5	< 5	< 0.3	6.81	4	411	< 1	< 2	4.93	< 0.3	61	31	100	13.1	21	1.22	2.56	27	1560	< 1	2.01	46
1199282	< 2	< 5	< 5	0.3	7.68	4	468	< 1	2	5.37	< 0.3	57	11	102	13.9	25	1.29	2.17	25	1510	2	1.93	32
1199283	7	< 5	< 5	0.4	6.60	15	512	< 1	3	4.94	0.4	55	17	281	13.8	25	1.51	2.17	22	1350	< 1	2.08	37

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199284	3	19	18	< 0.3	7.43	10	244	< 1	< 2	5.98	< 0.3	46	96	117	8.49	17	0.74	3.56	21	1310	< 1	1.96	95
1199285	3	76	100	< 0.3	7.37	4	203	< 1	< 2	6.14	< 0.3	59	53	89	8.48	14	0.53	4.55	22	1370	< 1	1.45	204
1199286	4	43	32	< 0.3	8.12	< 3	588	< 1	< 2	7.10	< 0.3	49	40	88	8.13	14	1.29	4.26	18	1350	< 1	1.51	111
1199287	3	35	39	< 0.3	7.08	4	88	< 1	< 2	5.86	< 0.3	61	29	174	10.9	17	0.23	3.61	19	1510	< 1	2.17	72
1199288	15	34	33	0.4	6.63	4	22	< 1	< 2	6.10	< 0.3	59	29	284	10.6	17	0.10	3.60	15	1450	< 1	2.21	85
1199289	24	19	23	< 0.3	6.90	< 3	31	< 1	< 2	5.42	< 0.3	58	30	348	10.2	15	0.10	3.48	16	1380	< 1	2.49	79
1199290	3	36	30	< 0.3	7.33	< 3	84	< 1	< 2	6.51	< 0.3	57	29	100	10.5	17	0.23	3.61	19	1480	< 1	2.14	82
1199291	< 2	12	< 5	< 0.3	8.76	9	264	< 1	< 2	6.40	< 0.3	54	69	35	7.03	14	0.80	4.22	25	985	< 1	1.36	171
1199292	< 2	10	8	< 0.3	7.47	5	253	< 1	< 2	5.71	< 0.3	81	111	42	10.1	12	0.72	6.52	34	1390	< 1	0.84	274
1199293	< 2	46	16	< 0.3	5.97	< 3	155	< 1	< 2	5.11	< 0.3	99	83	81	11.3	9	0.60	7.63	35	1550	< 1	0.42	372
1199294	2	40	32	< 0.3	6.42	4	191	< 1	< 2	5.74	< 0.3	91	71	90	10.5	11	0.72	7.29	32	1450	2	0.58	343
1199295	< 2	22	< 5	< 0.3	9.89	5	346	< 1	< 2	6.48	< 0.3	47	34	33	6.67	16	1.13	4.05	30	923	2	1.69	135
1199296	< 2	32	9	< 0.3	8.99	6	313	< 1	< 2	7.05	< 0.3	44	39	41	5.91	15	1.04	3.85	25	919	< 1	1.56	126
1199297	2	17	6	< 0.3	10.00	5	300	< 1	< 2	6.70	< 0.3	54	42	67	6.71	15	0.83	4.41	26	941	< 1	1.61	174
1199298	3	59	91	< 0.3	8.19	< 3	150	< 1	< 2	6.78	< 0.3	63	126	156	7.66	14	0.49	5.35	25	1130	< 1	1.14	232
1199299	48	1460	333	< 0.3	8.40	6	136	< 1	< 2	5.21	0.5	76	39	381	7.98	14	0.63	5.71	30	1130	2	1.10	403
1199300	171	1270	649	3.1	6.49	< 3	79	< 1	< 2	3.99	0.8	169	190	6410	13.8	12	0.61	3.82	13	1130	1	1.81	8480
1199301	148	725	278	0.8	10.8	< 3	134	< 1	< 2	5.49	1.0	77	35	1590	7.98	16	0.62	5.19	32	1060	1	1.59	656
1199302	127	459	175	1.1	10.3	< 3	114	< 1	< 2	6.20	0.7	72	131	2350	6.99	14	0.50	4.84	26	988	< 1	1.73	602
1199303	29	228	66	< 0.3	6.86	< 3	62	< 1	< 2	6.89	0.4	59	314	381	7.40	10	0.25	7.36	22	1310	< 1	0.94	226
1199304	66	423	238	0.8	5.20	< 3	28	< 1	< 2	5.98	1.8	92	239	1100	8.63	8	0.13	8.52	23	1460	< 1	0.51	643
1199305	49	907	306	0.8	6.91	< 3	49	< 1	< 2	5.62	0.7	91	301	1660	8.43	10	0.18	7.57	26	1360	2	1.07	745
1199306	43	563	163	0.7	8.97	< 3	92	< 1	< 2	5.62	0.5	61	402	1130	6.56	14	0.29	5.60	26	1070	1	1.87	422
1199307	70	667	233	0.9	7.57	< 3	62	< 1	< 2	4.53	0.7	83	318	1600	8.31	13	0.19	7.34	30	1340	< 1	1.24	622
1199308	152	770	229	1.2	4.68	< 3	< 7	< 1	< 2	4.76	1.0	114	344	2830	9.93	9	0.03	9.57	27	1680	< 1	0.32	950
1199309	79	571	154	0.8	7.78	< 3	61	< 1	< 2	4.98	0.6	70	231	1370	7.25	12	0.17	6.16	25	1200	< 1	1.54	482
1199310	< 2	< 5	< 5	< 0.3	0.07	3	16	< 1	< 2	31.1	< 0.3	< 1	4	6	0.14	< 1	< 0.01	4.50	2	151	< 1	0.03	3
1199311	30	400	93	0.5	8.24	< 3	55	< 1	< 2	9.42	0.7	58	147	822	6.85	13	0.16	4.78	24	1500	1	1.79	326
1199312	7	230	74	< 0.3	9.16	5	51	< 1	< 2	6.39	< 0.3	55	167	88	8.01	15	0.16	5.90	33	1390	< 1	1.57	217
1199313	13	478	148	< 0.3	8.05	5	69	< 1	< 2	4.93	< 0.3	56	508	218	7.63	14	0.23	6.41	37	1230	2	1.53	278
1199314	17	188	62	0.4	10.6	4	69	< 1	< 2	6.30	< 0.3	71	147	402	6.07	15	0.28	4.31	60	918	1	2.09	185
1199315	6	67	21	0.4	9.84	4	63	< 1	< 2	6.05	< 0.3	77	130	416	7.83	15	0.17	5.95	30	1140	1	2.53	147
1199316	46	378	115	1.0	6.98	4	39	< 1	< 2	4.70	1.0	89	162	1630	8.08	12	0.08	6.73	23	1230	< 1	1.66	504
1199317	31	491	143	0.5	6.06	3	20	< 1	< 2	4.92	0.4	83	142	817	8.78	9	0.05	7.93	27	1380	< 1	0.90	440
1199318	64	593	180	0.7	6.83	3	21	< 1	< 2	4.75	1.0	94	141	1350	9.49	13	0.06	8.29	30	1470	< 1	1.04	505
1199319	32	715	200	0.3	8.19	4	49	< 1	< 2	6.33	0.4	59	172	543	7.03	13	0.14	6.16	22	1220	< 1	2.00	355
1199320	34	618	175	0.3	8.06	4	51	< 1	< 2	6.38	0.3	58	174	527	6.58	10	0.15	5.68	19	1140	< 1	1.98	360
1199321	40	558	143	0.3	8.63	8	66	< 1	< 2	7.32	0.7	49	298	513	5.76	12	0.25	5.49	19	1110	< 1	2.01	277
1199322	< 2	11	< 5	< 0.3	8.68	7	62	< 1	< 2	7.13	< 0.3	37	212	7	5.74	12	0.20	5.52	17	1070	< 1	1.80	128
1199323	< 2	11	< 5	< 0.3	8.62	< 3	64	< 1	< 2	7.01	< 0.3	36	205	7	5.48	12	0.23	5.19	18	1060	< 1	1.85	129
1199324	< 2	13	< 5	< 0.3	9.32	< 3	54	< 1	< 2	7.12	0.5	46	197	152	6.46	15	0.23	5.32	21	1130	< 1	1.35	135
1199325	< 2	14	7	< 0.3	8.85	< 3	53	< 1	< 2	5.38	< 0.3	54	244	13	8.15	16	0.17	6.04	28	1320	< 1	1.73	158
1199326	< 2	31	8	< 0.3	10.1	6	53	< 1	< 2	5.18	< 0.3	60	278	24	9.02	19	0.29	6.21	41	1430	< 1	1.65	182
1199327	< 2	6	8	< 0.3	8.70	4	34	< 1	< 2	5.34	< 0.3	59	264	5	9.03	15	0.11	6.59	27	1450	< 1	1.56	164
1199328	< 2	7	< 5	< 0.3	7.54	3	49	< 1	< 2	5.84	< 0.3	44	375	8	6.98	13	0.16	5.19	24	1240	1	1.61	124
1199329	3	52	22	< 0.3	9.62	< 3	46	< 1	< 2	5.35	< 0.3	61	324	66	9.07	18	0.20	5.91	32	1440	< 1	1.88	187
1199330	145	1330	637	3.3	6.30	3	112	< 1	< 2	3.90	0.9	165	200	6130	13.4	13	0.59	3.71	12	1110	2	1.75	8290
1199331	8	30	30	< 0.3	7.83	5	62	< 1	< 2	7.11	< 0.3	42	197	27	6.64	13	0.30	4.92	20	1190	< 1	1.27	120
1199332	5	25	25	< 0.3	8.30	< 3	22	< 1	< 2	8.26	0.3	60	211	229	9.50	19	0.10	5.46	19	1420	< 1	0.65	138
1199333	4	< 5	< 5	< 0.3	12.3	5	61	< 1	< 2	6.89	< 0.3	48	142	111	8.30	26	0.11	4.11	24	1190	< 1	2.25	115
1199334	28	48	41	0.4	6.68	< 3	25	< 1	< 2	6.35	0.3	60	110	533	8.42	15	0.08	5.53	15	1300	< 1	1.42	190

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199335	< 2	11	30	< 0.3	7.93	< 3	103	< 1	< 2	7.02	< 0.3	46	316	62	7.59	13	0.35	5.18	16	1320	< 1	1.48	117
1199336	9	15	10	< 0.3	7.66	< 3	97	< 1	< 2	7.89	0.3	46	184	159	7.25	14	0.39	5.00	15	1280	2	1.20	124
1199337	6	11	10	< 0.3	7.47	< 3	151	< 1	< 2	7.72	< 0.3	42	175	85	8.56	13	0.48	4.64	16	1300	< 1	1.24	108
1199338	4	29	10	< 0.3	8.27	< 3	61	< 1	< 2	6.33	< 0.3	43	165	123	7.07	17	0.18	4.36	16	1210	< 1	2.12	116
1199339	17	< 5	< 5	0.3	10.6	< 3	132	< 1	< 2	5.90	0.4	70	139	429	6.31	16	0.39	3.65	24	974	2	2.87	152
1199340	< 2	< 5	< 5	< 0.3	0.05	< 3	34	< 1	< 2	25.3	< 0.3	< 1	4	5	0.13	< 1	< 0.01	7.18	17	207	1	0.04	1
1199341	25	393	124	0.4	9.81	7	65	< 1	< 2	3.98	0.4	58	156	641	7.17	14	0.25	4.75	23	1120	< 1	2.41	352
1199342	< 2	16	6	< 0.3	10.2	4	81	< 1	< 2	3.95	< 0.3	41	320	99	6.25	16	0.29	4.36	24	1040	1	2.52	132
1199343	21	175	51	< 0.3	11.8	< 3	137	< 1	< 2	4.25	0.3	50	361	530	7.07	17	0.40	4.72	30	1100	< 1	2.46	254
1199344	125	662	203	0.7	8.64	6	88	< 1	< 2	5.44	0.8	73	118	1090	8.23	17	0.19	4.75	20	1220	< 1	2.21	556
1199345	20	218	67	< 0.3	8.43	< 3	119	< 1	< 2	5.03	< 0.3	49	128	357	7.35	15	0.27	4.41	21	1140	< 1	2.41	223
1199346	3	37	10	< 0.3	10.8	9	152	< 1	< 2	4.71	< 0.3	40	134	51	6.53	16	0.43	3.81	24	1010	< 1	2.95	154
1199347	7	11	< 5	< 0.3	10.2	< 3	103	< 1	< 2	4.68	< 0.3	34	147	47	6.28	17	0.37	3.53	21	983	< 1	3.25	136
1199348	40	22	8	< 0.3	7.49	4	38	< 1	2	6.25	< 0.3	50	114	136	9.19	15	0.14	4.95	18	1420	< 1	1.91	143
1199349	4	< 5	< 5	< 0.3	7.50	7	40	< 1	< 2	8.13	< 0.3	48	141	104	9.43	15	0.17	4.45	13	1440	< 1	1.56	137
1199350	6	< 5	< 5	< 0.3	7.39	9	37	< 1	< 2	7.94	< 0.3	50	135	112	9.48	15	0.15	4.52	14	1450	< 1	1.53	142
1199351	4	7	8	< 0.3	7.15	< 3	123	< 1	< 2	6.84	< 0.3	54	243	99	8.93	13	0.50	4.73	17	1440	< 1	1.37	121
1199352	4	8	8	< 0.3	7.29	< 3	129	< 1	< 2	7.82	< 0.3	46	230	85	8.95	14	0.47	4.54	14	1430	< 1	1.15	108
1199353	< 2	< 5	< 5	< 0.3	7.42	< 3	74	< 1	< 2	7.85	< 0.3	51	164	82	10.4	16	0.24	4.63	16	1580	< 1	1.17	140
1199354	< 2	< 5	< 5	< 0.3	7.40	< 3	160	< 1	< 2	7.98	< 0.3	53	211	99	9.85	15	0.47	4.75	18	1560	< 1	0.97	131
1199355	2	< 5	< 5	< 0.3	7.39	5	217	< 1	< 2	7.36	0.3	48	176	81	9.10	15	0.58	4.33	18	1440	< 1	1.31	128
1199356	6	< 5	< 5	< 0.3	7.05	< 3	312	< 1	3	7.76	< 0.3	56	256	135	10.2	15	1.02	5.01	24	1540	< 1	0.79	130
1199357	< 2	< 5	5	< 0.3	3.71	< 3	< 7	< 1	< 2	7.23	< 0.3	64	948	39	9.45	8	0.03	9.79	18	1800	< 1	0.12	216
1199358	< 2	< 5	< 5	< 0.3	7.45	< 3	290	< 1	< 2	8.00	< 0.3	50	127	32	10.2	16	0.76	4.72	24	1550	< 1	0.80	136
1199359	3	< 5	< 5	< 0.3	5.88	< 3	233	< 1	< 2	5.49	< 0.3	52	272	86	8.98	15	0.56	5.26	21	1450	1	1.55	255
1199360	148	1310	664	3.2	6.48	< 3	100	< 1	< 2	3.96	1.0	169	233	6330	13.7	13	0.61	3.84	13	1130	1	1.81	8440
1199361	4	< 5	< 5	0.3	6.31	< 3	359	< 1	< 2	4.83	< 0.3	44	26	163	10.3	20	0.95	2.48	15	1210	< 1	2.34	66
1199362	17	14	22	< 0.3	5.91	< 3	507	< 1	< 2	4.07	< 0.3	48	29	289	10.2	17	1.38	2.90	23	1210	< 1	1.79	100
1199363	55	9	29	0.5	4.34	6	393	< 1	< 2	4.75	< 0.3	65	110	461	10.7	13	1.23	5.13	23	1610	< 1	0.88	147
1199364	2	8	14	< 0.3	4.30	< 3	103	< 1	< 2	4.99	< 0.3	79	227	27	12.0	11	0.40	7.45	31	2140	< 1	0.45	194
1199365	43	21	46	< 0.3	5.49	< 3	171	< 1	< 2	6.17	< 0.3	48	62	478	8.10	13	0.36	4.22	10	1440	< 1	2.38	106
1199366	12	< 5	< 5	0.4	6.54	< 3	563	< 1	< 2	5.76	< 0.3	46	21	343	10.9	20	1.49	2.91	25	1320	< 1	1.68	72
1199367	14	< 5	< 5	0.5	6.24	< 3	424	< 1	< 2	4.38	< 0.3	40	20	284	9.06	19	0.87	2.12	19	1060	< 1	2.21	56
1199368	2	< 5	< 5	0.4	6.50	6	342	< 1	< 2	4.45	< 0.3	36	19	163	8.96	19	0.75	1.98	17	1080	< 1	2.38	46
1199369	4	< 5	< 5	< 0.3	6.27	< 3	319	< 1	< 2	4.50	< 0.3	46	22	168	10.7	20	0.77	2.63	27	1350	< 1	2.15	57
1199370	< 2	< 5	< 5	0.5	0.04	< 3	27	< 1	< 2	26.0	< 0.3	< 1	2	2	0.09	< 1	< 0.01	7.38	6	246	< 1	0.03	< 1
1199371	8	< 5	< 5	0.4	6.17	< 3	515	< 1	< 2	4.01	< 0.3	51	40	207	11.3	20	1.44	2.91	30	1380	< 1	1.99	62
1199372	57	14	24	0.6	4.67	< 3	845	< 1	< 2	3.39	0.4	70	68	558	12.6	16	2.66	4.43	35	1490	< 1	0.60	130
1199373	94	37	39	0.8	4.98	< 3	322	< 1	< 2	4.95	0.4	81	107	852	11.1	15	1.12	5.25	22	1600	< 1	1.16	214
1199374	648	< 5	7	1.2	8.25	3	62	< 1	< 2	2.85	0.4	67	67	1720	7.33	16	0.10	3.59	19	1100	< 1	3.71	138
1199375	46	7	23	0.7	6.32	5	80	< 1	< 2	4.99	0.3	70	121	498	9.10	16	0.25	5.37	18	1510	< 1	1.86	244
1199376	3	< 5	< 5	< 0.3	11.2	4	197	< 1	< 2	4.80	< 0.3	30	49	66	4.95	21	0.62	2.93	26	844	< 1	3.70	77
1199377	3	< 5	< 5	< 0.3	8.24	4	185	< 1	< 2	5.27	< 0.3	47	271	72	7.39	18	0.37	5.16	25	1400	< 1	2.40	121
1199378	35	< 5	< 5	0.6	7.64	5	78	< 1	< 2	4.23	< 0.3	46	50	542	6.88	19	0.19	2.62	14	1040	< 1	3.21	153
1199379	44	12	10	0.7	8.11	11	379	< 1	< 2	3.95	0.3	77	78	827	9.48	23	1.19	2.46	20	1090	< 1	2.79	214
1199380	114	74	45	1.1	7.09	7	110	< 1	< 2	4.14	0.3	173	86	1070	10.9	20	1.22	2.79	20	1150	< 1	2.22	305
1199381	48	< 5	< 5	0.7	9.26	7	175	< 1	< 2	2.97	< 0.3	24	7	692	3.32	15	0.35	0.61	8	457	1	5.52	50
1199382	2	< 5	< 5	< 0.3	9.57	5	167	< 1	< 2	3.90	< 0.3	12	11	112	4.75	24	0.22	0.86	11	662	1	4.77	42
1199383	< 2	< 5	< 5	< 0.3	10.0	4	76	< 1	< 2	6.65	< 0.3	11	10	145	6.16	36	0.17	0.71	10	687	2	3.76	43
1199384	8	< 5	< 5	0.4	8.68	6	56	< 1	< 2	3.37	< 0.3	30	9	306	5.84	26	0.09	1.50	16	772	< 1	4.15	51
1199385	9	< 5	< 5	0.4	9.67	< 3	> 1000	1	< 2	5.14	< 0.3	34	15	331	6.43	40	0.69	1.32	20	886	1	3.00	51

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199386	20	6	6	1.0	9.54	< 3	128	< 1	< 2	2.59	1.4	47	29	926	7.29	22	0.31	1.96	21	910	3	4.14	126
1199387	51	< 5	< 5	0.8	9.38	< 3	261	< 1	< 2	3.77	1.0	142	19	732	7.76	26	0.34	1.50	19	858	< 1	4.18	202
1199388	< 2	< 5	< 5	< 0.3	12.6	< 3	> 1000	2	< 2	5.91	< 0.3	12	2	27	5.82	48	2.33	0.99	31	769	1	2.12	17
1199389	53	< 5	6	0.5	10.3	5	> 1000	1	< 2	3.31	< 0.3	31	24	707	6.39	28	0.82	1.65	24	842	< 1	3.71	64
1199390	107	1320	687	3.5	6.28	3	109	< 1	< 2	3.88	0.8	174	215	6220	13.6	12	0.59	3.73	12	1110	2	1.76	8860
1199391	13	< 5	< 5	0.4	7.74	< 3	309	< 1	< 2	2.44	< 0.3	43	53	286	8.55	22	0.87	2.92	27	1200	1	2.77	51
1199392	6	6	6	0.3	6.98	< 3	411	< 1	< 2	3.61	0.3	44	43	100	9.52	20	1.26	3.19	24	1370	1	2.04	59
1199393	8	< 5	< 5	< 0.3	7.99	< 3	317	< 1	< 2	4.08	< 0.3	39	44	83	8.23	18	0.78	2.77	25	1330	2	2.39	34
1199394	32	< 5	6	0.5	6.29	< 3	274	< 1	< 2	4.14	< 0.3	56	44	417	9.47	16	0.81	3.75	23	1590	< 1	1.91	123
1199395	19	< 5	9	0.4	5.29	< 3	417	< 1	< 2	3.81	< 0.3	80	71	194	11.6	15	1.46	4.53	28	1900	< 1	1.21	115
1199396	1190	< 5	< 5	0.3	7.62	3	283	< 1	< 2	4.41	< 0.3	46	37	121	9.00	21	0.70	2.74	23	1510	< 1	2.37	81
1199397	19	< 5	< 5	0.4	6.91	5	379	< 1	< 2	3.34	< 0.3	47	41	164	10.1	20	1.19	2.48	20	1430	< 1	2.39	79
1199398	15	< 5	< 5	< 0.3	6.89	< 3	202	< 1	< 2	2.43	0.3	27	12	95	6.55	19	0.55	1.39	12	974	< 1	3.41	33
1199399	11	< 5	< 5	0.3	6.50	< 3	149	< 1	< 2	3.57	< 0.3	53	168	118	8.34	15	0.40	2.17	12	1090	1	2.68	226
1199400	< 2	< 5	< 5	< 0.3	0.06	< 3	131	< 1	< 2	25.1	< 0.3	< 1	5	2	0.10	< 1	0.02	7.80	10	240	< 1	0.04	2
1199401	< 2	< 5	< 5	< 0.3	7.07	< 3	191	< 1	< 2	4.74	< 0.3	40	141	6	7.32	15	0.39	3.75	22	1420	< 1	1.90	114
1199402	< 2	< 5	< 5	< 0.3	7.22	< 3	193	< 1	< 2	5.54	< 0.3	45	139	8	7.47	14	0.33	4.33	19	1550	< 1	2.10	135
1199403	< 2	6	< 5	< 0.3	7.22	< 3	118	< 1	< 2	6.35	< 0.3	43	217	11	7.49	13	0.21	5.07	17	1640	< 1	2.11	136
1199404	< 2	< 5	< 5	< 0.3	7.75	< 3	152	< 1	< 2	5.87	< 0.3	46	140	4	7.43	13	0.27	4.22	20	1520	< 1	2.35	122
1199405	15	8	7	0.5	6.63	< 3	275	< 1	< 2	4.83	0.4	142	63	346	14.8	19	0.83	2.62	19	1490	1	1.64	488
1199406	7	< 5	< 5	< 0.3	6.83	6	317	< 1	< 2	5.94	0.4	97	103	269	12.0	15	0.84	3.74	23	1680	< 1	1.51	217
1199407	4	< 5	< 5	< 0.3	6.99	11	190	< 1	< 2	6.03	< 0.3	39	100	110	8.20	16	0.48	3.39	19	1540	< 1	2.10	99
1199408	3	< 5	< 5	< 0.3	7.43	5	237	< 1	< 2	6.67	< 0.3	49	94	79	9.78	16	0.55	4.07	23	1960	< 1	1.67	124
1199409	6	< 5	< 5	0.4	6.26	< 3	280	< 1	< 2	3.89	< 0.3	33	22	150	10.5	21	0.99	2.23	19	1590	< 1	2.28	38
1199410	6	< 5	< 5	0.4	6.53	< 3	300	< 1	< 2	4.04	< 0.3	36	24	148	10.7	21	1.09	2.43	21	1710	< 1	2.38	42
1199411	3	< 5	< 5	0.3	7.09	< 3	284	< 1	< 2	4.25	< 0.3	50	35	125	11.3	22	1.00	3.35	24	2210	< 1	2.72	59
1199412	8	< 5	< 5	0.5	7.05	4	509	< 1	2	4.39	< 0.3	59	39	225	11.8	21	1.75	3.43	30	2000	< 1	2.00	65
1199413	7	< 5	5	< 0.3	7.70	< 3	291	< 1	< 2	4.91	< 0.3	37	32	259	8.99	19	0.90	2.45	20	1490	< 1	2.45	49
1199414	3	17	12	< 0.3	6.77	< 3	301	< 1	< 2	5.34	< 0.3	41	51	163	9.48	18	0.99	2.80	21	1600	< 1	1.92	58
1199415	8	35	17	< 0.3	6.97	< 3	264	< 1	< 2	5.83	< 0.3	49	41	336	10.6	17	0.95	3.44	21	1720	< 1	1.72	81
1199416	26	111	35	0.6	6.98	< 3	308	< 1	< 2	5.33	0.6	50	42	749	10.0	17	1.02	3.41	23	1640	< 1	2.00	129
1199417	4	18	15	< 0.3	6.79	< 3	303	< 1	< 2	4.94	0.4	50	46	183	9.66	16	0.95	3.69	23	1680	< 1	2.31	76
1199418	6	85	52	0.3	8.48	4	175	< 1	< 2	4.29	< 0.3	48	57	179	8.40	15	0.46	3.76	26	1500	< 1	3.43	104
1199419	5	126	73	< 0.3	8.91	< 3	148	< 1	< 2	4.28	< 0.3	48	64	282	8.14	15	0.46	3.67	24	1440	< 1	3.29	115
1199420	107	1360	700	3.3	6.47	4	85	< 1	< 2	3.94	1.0	166	220	6320	13.8	13	0.61	3.84	13	1140	3	1.80	8260
1199421	8	70	62	0.4	6.91	< 3	222	< 1	2	5.71	0.3	52	47	403	8.21	16	0.73	3.09	15	1360	< 1	2.75	76
1199422	2	71	54	< 0.3	7.82	< 3	184	< 1	< 2	5.44	< 0.3	46	89	154	7.97	15	0.49	3.43	22	1330	1	2.63	96
1199423	2	56	28	< 0.3	9.06	3	142	< 1	< 2	5.43	< 0.3	48	64	87	8.47	16	0.32	3.76	25	1380	< 1	2.98	115
1199424	< 2	19	20	< 0.3	8.35	< 3	121	< 1	< 2	5.30	< 0.3	52	42	96	9.22	16	0.39	3.68	25	1460	< 1	2.69	120
1199425	48	25	29	< 0.3	7.35	< 3	278	< 1	< 2	5.79	< 0.3	47	29	131	9.18	17	0.86	3.30	20	1490	< 1	2.32	68
1199426	56	40	28	< 0.3	7.26	3	228	< 1	< 2	5.28	< 0.3	60	43	185	10.6	18	0.78	3.95	22	1650	< 1	1.89	109
1199427	8	79	40	0.3	7.57	< 3	210	< 1	< 2	6.43	< 0.3	60	51	368	10.9	18	0.72	4.14	24	1610	1	1.63	143
1199428	5	58	31	< 0.3	7.85	7	302	< 1	< 2	6.24	< 0.3	59	61	252	10.7	17	0.97	4.07	29	1480	2	1.38	126
1199429	7	88	43	< 0.3	7.39	5	217	< 1	< 2	6.17	< 0.3	59	82	281	10.4	17	0.70	3.92	24	1410	< 1	1.47	133
1199430	< 2	< 5	< 5	< 0.3	0.06	< 3	455	< 1	< 2	25.2	< 0.3	< 1	2	4	0.07	< 1	0.01	8.15	4	275	< 1	0.03	< 1
1199431	14	89	39	0.3	6.95	< 3	123	< 1	< 2	5.48	< 0.3	57	72	412	9.67	14	0.37	3.91	18	1370	< 1	2.10	147
1199432	6	94	35	< 0.3	6.80	< 3	79	< 1	< 2	5.52	< 0.3	56	49	238	10.3	15	0.24	4.30	19	1400	< 1	1.92	131
1199433	23	108	41	0.4	6.76	4	264	< 1	< 2	5.88	< 0.3	58	61	563	9.73	16	0.75	3.79	21	1370	1	1.32	145
1199434	13	49	22	< 0.3	7.46	< 3	171	< 1	2	5.73	0.3	57	73	293	10.2	16	0.50	3.85	22	1390	< 1	1.68	130
1199435	12	121	44	0.4	8.14	< 3	85	< 1	2	5.17	0.5	55	64	546	10.2	17	0.26	4.01	22	1400	1	2.67	159
1199436	6	46	19	0.3	6.76	9	93	< 1	< 2	5.09	0.5	51	69	223	9.24	16	0.30	3.90	18	1370	< 1	2.45	110

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199437	6	73	28	0.3	7.08	8	97	< 1	< 2	5.11	< 0.3	55	81	345	9.93	16	0.30	3.98	19	1410	< 1	2.35	137
1199438	9	82	28	0.3	7.69	< 3	121	< 1	< 2	6.56	< 0.3	55	55	358	10.3	19	0.36	3.59	18	1380	< 1	1.86	141
1199439	24	135	57	0.5	7.00	4	256	< 1	< 2	6.03	0.3	64	87	812	10.9	17	0.82	3.91	23	1380	2	1.43	200
1199440	20	122	44	0.4	6.85	< 3	254	< 1	< 2	6.05	< 0.3	64	97	842	10.8	16	0.81	3.89	22	1380	1	1.32	218
1199441	5	69	31	< 0.3	7.35	5	238	< 1	< 2	5.65	< 0.3	51	66	182	9.68	16	0.68	3.70	23	1290	< 1	1.59	123
1199442	71	296	79	0.5	7.15	6	219	< 1	2	6.00	< 0.3	65	125	865	10.7	16	0.67	3.95	22	1380	2	1.54	177
1199443	54	225	84	0.9	6.65	< 3	189	< 1	< 2	6.18	0.9	72	75	1700	10.6	16	0.60	3.96	18	1350	< 1	1.60	249
1199444	25	223	78	0.6	6.75	< 3	229	< 1	< 2	5.53	< 0.3	67	112	1090	10.8	16	0.74	4.10	22	1380	< 1	1.49	220
1199445	28	155	53	0.6	7.50	< 3	270	< 1	< 2	5.99	0.4	73	61	1390	11.2	18	0.84	3.84	24	1350	2	1.41	223
1199446	18	106	32	0.4	7.12	< 3	307	< 1	< 2	6.07	< 0.3	53	80	790	10.0	15	0.84	3.97	23	1350	1	1.54	166
1199447	34	165	108	0.7	6.53	4	322	< 1	< 2	5.34	0.4	74	194	1390	11.1	15	1.05	4.08	24	1370	2	1.31	243
1199448	27	173	58	0.5	7.11	< 3	265	< 1	3	4.88	< 0.3	62	44	1130	10.6	16	0.76	4.25	26	1370	1	1.89	206

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199233	0.042	3	< 5	0.11	25	193	< 2	0.31	< 5	< 10	127	< 5	21	90	69
1199234	0.003	4	< 5	0.01	19	381	< 2	0.12	< 5	< 10	103	< 5	3	75	7
1199235	0.004	4	< 5	0.08	10	416	< 2	0.16	< 5	< 10	152	< 5	2	67	28
1199236	0.005	3	< 5	0.14	21	216	< 2	0.11	< 5	< 10	86	< 5	4	122	23
1199237	0.010	< 3	< 5	0.02	26	95	< 2	0.24	< 5	< 10	134	< 5	9	132	10
1199238	0.013	< 3	< 5	0.16	46	115	< 2	0.64	< 5	< 10	171	< 5	13	162	33
1199239	0.005	< 3	< 5	0.21	54	32	< 2	0.55	< 5	< 10	206	< 5	8	167	23
1199240	0.006	< 3	< 5	0.32	56	53	5	0.77	< 5	< 10	287	5	11	173	9
1199241	0.008	7	< 5	3.18	20	264	< 2	0.10	< 5	< 10	41	< 5	21	128	57
1199242	0.010	12	< 5	3.21	18	292	< 2	0.11	< 5	< 10	42	< 5	21	136	61
1199243	0.012	6	< 5	1.50	40	282	< 2	0.46	< 5	< 10	170	< 5	17	154	21
1199244	0.013	3	< 5	0.45	50	276	< 2	0.56	< 5	< 10	238	< 5	15	140	47
1199245	0.020	7	< 5	0.12	32	229	< 2	0.35	< 5	< 10	218	< 5	18	116	37
1199246	0.028	7	< 5	0.20	34	234	2	0.35	< 5	< 10	215	< 5	20	99	53
1199247	0.028	5	< 5	0.12	33	238	< 2	0.33	< 5	< 10	200	< 5	18	102	56
1199248	0.021	4	< 5	0.03	37	219	< 2	0.34	< 5	< 10	224	< 5	21	113	46
1199249	0.027	< 3	< 5	0.07	26	49	6	0.32	< 5	< 10	182	< 5	39	115	149
1199250	0.060	46	< 5	3.29	12	301	< 2	0.40	< 5	< 10	95	< 5	11	114	61
1199251	0.011	4	< 5	0.02	32	120	< 2	0.25	< 5	< 10	198	< 5	26	135	73
1199252	0.078	< 3	< 5	0.04	20	113	< 2	0.25	< 5	< 10	81	< 5	52	93	97
1199253	0.020	< 3	< 5	0.03	38	10	2	0.24	< 5	< 10	261	< 5	30	168	78
1199254	0.039	< 3	< 5	0.02	28	37	< 2	0.21	< 5	< 10	153	< 5	47	138	143
1199255	0.078	< 3	< 5	0.04	24	71	< 2	0.25	< 5	< 10	103	< 5	75	109	110
1199256	0.054	< 3	< 5	0.09	31	20	8	0.48	< 5	< 10	210	< 5	56	158	148
1199257	0.038	< 3	< 5	0.19	28	50	< 2	0.43	< 5	< 10	230	< 5	33	166	90
1199258	0.020	4	< 5	1.02	27	93	< 2	0.35	< 5	< 10	236	< 5	14	163	41
1199259	0.021	4	< 5	0.85	24	137	< 2	0.43	< 5	< 10	272	< 5	20	143	87
1199260	0.006	< 3	< 5	< 0.01	< 4	104	< 2	< 0.01	< 5	< 10	3	< 5	1	5	< 5
1199261	0.018	< 3	< 5	0.40	24	92	4	0.44	< 5	< 10	274	< 5	11	151	28
1199262	0.020	< 3	< 5	0.03	21	108	< 2	0.39	< 5	< 10	173	< 5	4	146	9
1199263	0.021	< 3	< 5	0.01	21	122	< 2	0.39	< 5	< 10	175	< 5	5	144	8
1199264	0.020	< 3	< 5	0.63	20	100	3	0.33	< 5	< 10	160	< 5	7	143	20
1199265	0.034	8	< 5	3.90	25	115	< 2	0.24	< 5	< 10	242	< 5	21	154	54
1199266	0.019	< 3	< 5	0.71	19	47	< 2	0.37	< 5	< 10	196	< 5	11	190	36
1199267	0.021	9	< 5	0.80	20	48	< 2	0.37	< 5	< 10	202	< 5	13	194	41
1199268	0.024	< 3	< 5	0.23	23	93	< 2	0.47	< 5	< 10	167	< 5	13	173	26
1199269	0.028	< 3	< 5	0.01	22	110	< 2	0.45	< 5	< 10	167	< 5	8	155	15
1199270	0.060	43	< 5	3.24	12	293	3	0.40	< 5	< 10	96	< 5	11	113	61
1199271	0.027	< 3	< 5	< 0.01	20	117	< 2	0.19	< 5	< 10	103	< 5	7	150	13
1199272	0.026	< 3	< 5	< 0.01	20	105	< 2	0.24	< 5	< 10	118	< 5	11	145	22
1199273	0.042	4	< 5	0.38	22	77	3	0.33	< 5	< 10	95	< 5	52	93	114
1199274	0.038	< 3	< 5	0.41	39	23	9	0.63	< 5	< 10	259	< 5	19	182	14
1199275	0.026	4	< 5	0.18	39	162	8	0.51	< 5	< 10	317	< 5	15	123	16
1199276	0.046	< 3	< 5	0.12	30	100	3	0.37	< 5	< 10	184	< 5	30	115	69
1199277	0.080	4	< 5	0.52	24	132	4	0.50	< 5	< 10	191	< 5	46	144	164
1199278	0.049	7	< 5	0.16	21	200	5	0.25	< 5	< 10	212	< 5	30	116	65
1199279	0.033	6	< 5	0.08	22	200	< 2	0.23	< 5	< 10	347	< 5	26	125	74
1199280	0.005	< 3	< 5	0.01	< 4	126	< 2	< 0.01	< 5	< 10	4	< 5	< 1	14	< 5
1199281	0.035	< 3	< 5	0.03	26	164	< 2	0.52	< 5	< 10	372	< 5	27	136	83
1199282	0.036	8	< 5	0.08	28	203	< 2	0.63	< 5	< 10	319	6	26	129	70
1199283	0.056	6	< 5	0.13	25	138	6	0.47	< 5	< 10	280	< 5	31	122	90

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199284	0.041	< 3	< 5	0.02	27	167	< 2	0.23	< 5	< 10	142	< 5	22	93	66
1199285	0.022	4	< 5	0.01	25	155	< 2	0.25	< 5	< 10	157	< 5	13	90	31
1199286	0.021	< 3	< 5	0.01	31	198	< 2	0.25	< 5	< 10	169	< 5	14	85	30
1199287	0.022	< 3	< 5	0.03	36	160	< 2	0.45	< 5	< 10	343	< 5	15	100	45
1199288	0.019	< 3	< 5	0.06	37	134	< 2	0.50	< 5	< 10	473	< 5	16	101	47
1199289	0.018	< 3	< 5	0.07	32	127	< 2	0.44	< 5	< 10	362	< 5	13	100	39
1199290	0.018	4	< 5	0.02	37	184	< 2	0.45	< 5	< 10	378	< 5	13	91	33
1199291	0.013	4	< 5	0.02	19	228	3	0.16	< 5	< 10	103	< 5	6	58	20
1199292	0.012	< 3	< 5	0.01	24	132	< 2	0.15	< 5	< 10	112	< 5	6	82	17
1199293	0.011	17	< 5	0.03	23	74	< 2	0.15	< 5	< 10	107	< 5	6	137	15
1199294	0.010	28	< 5	0.06	24	102	< 2	0.13	< 5	< 10	107	< 5	5	112	15
1199295	0.015	< 3	< 5	0.01	19	253	< 2	0.17	< 5	< 10	108	< 5	6	51	24
1199296	0.013	< 3	< 5	0.02	22	231	3	0.16	< 5	< 10	127	< 5	6	51	21
1199297	0.014	< 3	< 5	0.05	23	230	< 2	0.18	< 5	< 10	129	< 5	7	58	21
1199298	0.012	3	< 5	0.07	20	205	4	0.16	< 5	< 10	117	5	6	63	18
1199299	0.009	4	< 5	0.11	12	176	< 2	0.10	< 5	< 10	68	< 5	4	79	14
1199300	0.056	45	< 5	3.14	11	293	< 2	0.31	< 5	< 10	80	< 5	11	114	56
1199301	0.015	< 3	< 5	0.36	15	246	3	0.15	< 5	< 10	83	< 5	6	83	20
1199302	0.013	< 3	< 5	0.45	19	258	< 2	0.16	< 5	< 10	98	< 5	6	80	16
1199303	0.009	< 3	< 5	0.07	30	146	< 2	0.14	< 5	< 10	126	< 5	5	75	14
1199304	0.013	77	< 5	0.25	27	67	< 2	0.16	< 5	< 10	120	< 5	5	236	20
1199305	0.009	4	< 5	0.41	28	115	< 2	0.14	< 5	< 10	113	< 5	4	96	15
1199306	0.017	3	< 5	0.24	24	204	5	0.18	< 5	< 10	113	< 5	7	79	23
1199307	0.009	5	< 5	0.31	24	132	< 2	0.13	< 5	< 10	106	< 5	4	97	17
1199308	0.007	6	< 5	0.56	30	13	< 2	0.13	< 5	< 10	117	< 5	4	126	13
1199309	0.008	5	< 5	0.36	22	166	< 2	0.12	< 5	< 10	99	< 5	4	84	11
1199310	0.005	10	< 5	< 0.01	< 4	87	< 2	< 0.01	< 5	< 10	2	< 5	1	13	< 5
1199311	0.016	5	< 5	0.18	22	198	< 2	0.16	< 5	< 10	113	< 5	7	101	26
1199312	0.005	4	< 5	0.03	23	162	< 2	0.09	< 5	< 10	105	< 5	4	110	9
1199313	0.007	4	< 5	0.08	37	157	7	0.14	< 5	< 10	136	< 5	5	94	8
1199314	0.004	3	< 5	0.35	13	206	< 2	0.06	< 5	< 10	55	< 5	2	55	5
1199315	0.044	5	< 5	0.62	29	183	9	0.43	< 5	< 10	180	< 5	16	70	59
1199316	0.006	5	< 5	0.63	23	116	< 2	0.10	< 5	< 10	96	< 5	3	93	9
1199317	0.004	< 3	< 5	0.23	26	71	< 2	0.10	< 5	< 10	106	< 5	2	107	9
1199318	0.008	4	< 5	0.30	27	87	< 2	0.11	< 5	< 10	110	< 5	3	123	8
1199319	0.002	< 3	< 5	0.17	33	167	< 2	0.09	< 5	< 10	98	< 5	3	79	< 5
1199320	0.002	< 3	< 5	0.21	34	175	2	0.08	< 5	< 10	101	< 5	3	70	< 5
1199321	0.002	12	< 5	0.16	41	220	2	0.09	< 5	< 10	119	< 5	4	75	< 5
1199322	0.001	< 3	< 5	< 0.01	42	204	2	0.10	< 5	< 10	117	< 5	3	64	< 5
1199323	< 0.001	3	< 5	< 0.01	43	183	3	0.09	< 5	< 10	107	< 5	3	61	< 5
1199324	0.002	9	< 5	0.08	47	229	< 2	0.09	< 5	< 10	112	< 5	4	84	< 5
1199325	0.001	3	< 5	< 0.01	47	186	< 2	0.10	< 5	< 10	141	< 5	3	111	< 5
1199326	0.005	< 3	< 5	0.01	41	190	< 2	0.13	< 5	< 10	151	< 5	4	123	6
1199327	0.001	4	< 5	< 0.01	45	172	< 2	0.12	< 5	< 10	169	< 5	3	119	< 5
1199328	< 0.001	5	< 5	< 0.01	38	164	< 2	0.11	< 5	< 10	142	< 5	3	92	< 5
1199329	0.002	4	< 5	0.02	41	176	< 2	0.14	< 5	< 10	163	< 5	3	120	7
1199330	0.058	39	< 5	3.16	11	280	< 2	0.37	< 5	< 10	84	< 5	11	108	56
1199331	0.001	5	< 5	0.01	44	199	2	0.20	< 5	< 10	196	< 5	3	72	< 5
1199332	0.002	6	< 5	0.16	39	301	3	0.29	< 5	< 10	246	< 5	2	88	< 5
1199333	0.005	7	< 5	0.04	38	321	< 2	0.25	< 5	< 10	146	< 5	4	87	6
1199334	0.030	3	< 5	0.18	39	168	2	0.43	< 5	< 10	250	< 5	14	94	39

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199335	0.002	6	< 5	0.03	46	211	< 2	0.22	< 5	< 10	211	< 5	4	82	< 5
1199336	0.002	5	< 5	0.04	45	189	< 2	0.20	< 5	< 10	215	< 5	4	71	< 5
1199337	0.002	6	< 5	0.03	44	187	< 2	0.21	< 5	< 10	210	< 5	4	92	< 5
1199338	0.002	5	< 5	0.06	32	232	< 2	0.19	< 5	< 10	181	< 5	3	72	< 5
1199339	0.004	4	< 5	0.43	14	213	3	0.09	< 5	< 10	99	< 5	< 1	75	< 5
1199340	0.005	< 3	< 5	< 0.01	< 4	97	< 2	< 0.01	< 5	< 10	2	< 5	< 1	11	< 5
1199341	0.005	< 3	< 5	0.22	18	166	< 2	0.12	< 5	< 10	82	< 5	2	90	7
1199342	0.003	4	< 5	0.02	16	193	< 2	0.06	< 5	< 10	58	< 5	< 1	76	< 5
1199343	0.004	5	< 5	0.14	22	195	4	0.12	< 5	< 10	79	< 5	2	90	6
1199344	0.006	4	< 5	0.43	20	241	< 2	0.10	< 5	< 10	71	< 5	3	92	11
1199345	0.003	5	< 5	0.12	15	230	< 2	0.09	< 5	< 10	74	< 5	2	82	8
1199346	0.003	< 3	< 5	0.04	15	280	< 2	0.14	< 5	< 10	101	< 5	< 1	79	< 5
1199347	0.004	3	< 5	0.04	16	255	< 2	0.18	< 5	< 10	119	< 5	1	81	< 5
1199348	0.003	< 3	< 5	0.13	39	207	< 2	0.48	< 5	< 10	283	< 5	8	94	5
1199349	0.003	4	< 5	0.07	38	285	< 2	0.44	< 5	< 10	273	< 5	10	80	6
1199350	0.003	8	< 5	0.07	40	268	< 2	0.46	< 5	< 10	274	< 5	10	84	6
1199351	0.003	4	< 5	0.07	44	209	< 2	0.31	< 5	< 10	257	< 5	8	99	5
1199352	0.002	4	< 5	0.02	44	219	< 2	0.20	< 5	< 10	223	< 5	10	92	6
1199353	0.003	5	< 5	0.05	40	271	< 2	0.27	< 5	< 10	261	< 5	12	103	8
1199354	0.007	4	< 5	0.10	38	349	2	0.42	< 5	< 10	293	< 5	10	99	8
1199355	0.003	4	< 5	0.10	38	263	< 2	0.52	< 5	< 10	286	< 5	12	91	7
1199356	0.023	6	< 5	0.17	42	352	4	0.60	< 5	< 10	309	< 5	13	108	7
1199357	0.121	< 3	< 5	0.11	38	61	3	0.30	< 5	< 10	174	< 5	14	175	10
1199358	0.009	6	< 5	0.03	40	409	< 2	0.47	< 5	< 10	269	< 5	12	102	9
1199359	0.065	< 3	< 5	0.06	29	157	< 2	0.52	< 5	< 10	245	< 5	25	123	73
1199360	0.057	44	< 5	3.18	11	290	3	0.34	< 5	< 10	81	< 5	11	112	55
1199361	0.070	6	< 5	0.06	35	201	< 2	0.18	< 5	< 10	215	< 5	46	81	93
1199362	0.061	5	< 5	0.08	29	154	< 2	0.16	< 5	< 10	154	< 5	41	96	66
1199363	0.041	5	< 5	0.10	33	66	< 2	0.28	< 5	< 10	190	< 5	27	130	88
1199364	0.023	< 3	< 5	< 0.01	35	25	< 2	0.27	< 5	< 10	176	< 5	17	164	50
1199365	0.058	3	< 5	0.09	35	153	< 2	0.13	< 5	< 10	122	< 5	32	96	35
1199366	0.041	6	< 5	0.08	34	207	5	0.29	< 5	< 10	318	< 5	32	99	89
1199367	0.041	5	< 5	0.08	28	188	< 2	0.42	< 5	< 10	293	< 5	44	73	146
1199368	0.049	4	< 5	0.04	28	204	5	0.26	< 5	< 10	211	< 5	48	70	129
1199369	0.069	5	< 5	0.08	32	176	< 2	0.21	< 5	< 10	180	< 5	47	95	54
1199370	0.004	< 3	< 5	< 0.01	< 4	117	< 2	< 0.01	< 5	< 10	2	< 5	< 1	7	< 5
1199371	0.080	6	< 5	0.08	31	140	4	0.24	< 5	< 10	194	< 5	44	105	104
1199372	0.057	4	< 5	0.24	32	26	< 2	0.34	< 5	< 10	192	< 5	35	147	70
1199373	0.045	3	< 5	0.33	33	86	< 2	0.35	< 5	< 10	187	< 5	30	159	85
1199374	0.022	< 3	< 5	0.55	15	125	< 2	0.15	< 5	< 10	80	< 5	11	122	30
1199375	0.013	3	< 5	0.24	27	134	6	0.17	< 5	< 10	123	< 5	14	142	34
1199376	0.019	4	< 5	0.02	13	350	< 2	0.09	< 5	< 10	59	< 5	3	76	7
1199377	0.026	< 3	< 5	0.02	25	237	< 2	0.17	< 5	< 10	123	< 5	6	121	12
1199378	0.065	3	< 5	0.21	16	184	3	0.31	< 5	< 10	71	< 5	37	94	131
1199379	0.055	9	< 5	0.82	19	183	< 2	0.36	< 5	< 10	129	< 5	30	118	58
1199380	0.048	11	< 5	1.94	21	157	< 2	0.29	< 5	< 10	131	< 5	30	132	47
1199381	0.010	6	< 5	0.23	7	168	3	0.11	< 5	< 10	21	< 5	36	38	116
1199382	0.013	3	< 5	0.06	6	222	< 2	0.18	< 5	< 10	61	< 5	31	46	85
1199383	0.061	3	< 5	0.06	14	684	< 2	0.32	< 5	< 10	90	< 5	45	35	84
1199384	0.084	6	< 5	0.09	16	167	7	0.16	< 5	< 10	68	< 5	40	82	95
1199385	0.031	6	< 5	0.20	11	294	3	0.18	< 5	< 10	79	< 5	39	76	73

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199386	0.110	71	< 5	0.50	21	127	3	0.66	< 5	< 10	143	< 5	44	267	203
1199387	0.049	67	< 5	1.49	12	231	< 2	0.48	< 5	< 10	184	< 5	30	228	105
1199388	0.015	8	< 5	0.02	8	390	6	0.24	< 5	< 10	144	< 5	38	43	91
1199389	0.060	5	< 5	0.16	13	229	< 2	0.20	< 5	< 10	76	< 5	31	77	75
1199390	0.056	44	< 5	3.27	11	277	< 2	0.41	< 5	< 10	85	< 5	10	113	55
1199391	0.067	< 3	< 5	0.15	22	98	4	0.46	< 5	< 10	137	< 5	41	131	128
1199392	0.053	< 3	< 5	0.02	24	138	< 2	0.37	< 5	< 10	157	< 5	34	137	101
1199393	0.044	5	< 5	0.02	21	209	< 2	0.39	< 5	< 10	165	< 5	38	118	111
1199394	0.033	5	< 5	0.06	24	122	3	0.33	< 5	< 10	164	< 5	34	150	91
1199395	0.028	< 3	< 5	0.03	30	61	< 2	0.33	< 5	< 10	195	< 5	31	179	77
1199396	0.030	7	< 5	0.02	20	211	< 2	0.34	< 5	< 10	192	< 5	32	128	99
1199397	0.031	5	< 5	0.03	23	141	3	0.30	< 5	< 10	233	< 5	39	135	117
1199398	0.036	6	< 5	0.02	14	119	< 2	0.14	< 5	< 10	57	< 5	38	98	66
1199399	0.009	10	< 5	0.07	15	136	< 2	0.28	< 5	< 10	95	< 5	13	99	32
1199400	0.005	< 3	< 5	< 0.01	< 4	111	< 2	< 0.01	< 5	< 10	2	< 5	< 1	7	< 5
1199401	0.021	3	< 5	< 0.01	25	133	< 2	0.15	< 5	< 10	82	< 5	13	127	15
1199402	0.014	3	< 5	< 0.01	24	158	< 2	0.18	< 5	< 10	101	< 5	9	132	7
1199403	0.051	3	< 5	< 0.01	29	169	< 2	0.29	< 5	< 10	139	< 5	14	136	12
1199404	0.016	< 3	< 5	< 0.01	24	159	< 2	0.30	< 5	< 10	130	< 5	8	123	8
1199405	0.040	9	< 5	0.12	22	161	< 2	0.46	< 5	< 10	254	< 5	26	122	91
1199406	0.016	6	< 5	0.07	35	141	3	0.54	< 5	< 10	271	< 5	16	137	26
1199407	0.012	5	< 5	0.04	29	138	< 2	0.26	< 5	< 10	178	< 5	26	117	58
1199408	0.017	6	6	0.03	37	151	< 2	0.26	< 5	< 10	196	< 5	20	148	30
1199409	0.027	7	< 5	0.05	24	135	< 2	0.26	< 5	< 10	196	< 5	40	140	126
1199410	0.032	4	< 5	0.05	25	143	< 2	0.35	< 5	< 10	193	< 5	40	124	134
1199411	0.049	4	< 5	0.09	30	106	< 2	0.44	< 5	< 10	240	< 5	25	157	87
1199412	0.055	5	< 5	0.40	30	125	10	0.68	< 5	< 10	275	< 5	31	152	50
1199413	0.051	7	< 5	0.10	29	209	3	0.26	< 5	< 10	139	< 5	25	105	47
1199414	0.048	7	< 5	0.09	30	191	< 2	0.36	< 5	< 10	212	< 5	20	112	63
1199415	0.046	6	< 5	0.11	35	185	< 2	0.27	< 5	< 10	170	< 5	22	120	45
1199416	0.041	7	< 5	0.17	30	183	< 2	0.44	< 5	< 10	220	< 5	18	129	54
1199417	0.050	6	< 5	0.08	34	145	2	0.53	< 5	< 10	255	< 5	20	128	71
1199418	0.033	< 3	< 5	0.03	28	182	< 2	0.37	< 5	< 10	181	< 5	16	126	57
1199419	0.029	4	< 5	0.05	29	193	5	0.31	< 5	< 10	160	< 5	14	121	57
1199420	0.061	36	5	3.18	11	287	3	0.54	< 5	< 10	102	< 5	11	103	54
1199421	0.062	7	< 5	0.23	29	178	< 2	0.61	< 5	< 10	253	< 5	25	122	101
1199422	0.034	6	< 5	0.07	26	220	< 2	0.38	< 5	< 10	197	< 5	15	112	48
1199423	0.031	5	< 5	0.02	25	232	< 2	0.28	< 5	< 10	157	< 5	14	121	44
1199424	0.037	4	< 5	0.02	25	205	< 2	0.36	< 5	< 10	186	< 5	16	128	47
1199425	0.053	4	< 5	0.11	34	177	3	0.54	< 5	< 10	265	< 5	21	114	69
1199426	0.051	< 3	< 5	0.17	34	141	< 2	0.55	< 5	< 10	259	< 5	20	134	65
1199427	0.050	3	< 5	0.13	33	179	7	0.55	< 5	< 10	254	< 5	20	124	58
1199428	0.048	4	< 5	0.11	33	175	3	0.52	< 5	< 10	243	< 5	20	111	56
1199429	0.044	5	< 5	0.14	32	166	< 2	0.40	< 5	< 10	225	< 5	19	100	50
1199430	0.005	< 3	< 5	0.02	< 4	99	< 2	< 0.01	< 5	< 10	3	< 5	< 1	7	< 5
1199431	0.042	10	< 5	0.17	29	124	< 2	0.31	< 5	< 10	160	< 5	18	122	40
1199432	0.043	8	< 5	0.19	29	119	4	0.43	< 5	< 10	204	< 5	17	106	46
1199433	0.046	9	< 5	0.26	31	149	< 2	0.48	< 5	< 10	236	< 5	18	114	51
1199434	0.047	19	< 5	0.20	32	160	6	0.49	< 5	< 10	237	< 5	19	130	51
1199435	0.047	22	< 5	0.17	29	146	3	0.50	< 5	< 10	229	< 5	20	135	60
1199436	0.043	35	< 5	0.16	30	85	6	0.21	< 5	< 10	129	< 5	18	171	29

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199437	0.047	4	< 5	0.23	29	107	< 2	0.43	< 5	< 10	197	< 5	19	98	57
1199438	0.048	5	< 5	0.32	26	201	< 2	0.49	< 5	< 10	194	< 5	21	88	59
1199439	0.048	6	< 5	0.46	30	158	3	0.58	< 5	< 10	263	< 5	19	102	49
1199440	0.047	6	< 5	0.46	30	156	< 2	0.52	< 5	< 10	250	< 5	18	99	49
1199441	0.048	5	< 5	0.14	28	164	< 2	0.48	< 5	< 10	212	< 5	18	85	54
1199442	0.050	6	< 5	0.44	34	158	3	0.52	< 5	< 10	245	< 5	19	96	57
1199443	0.041	53	< 5	0.67	30	145	< 2	0.34	< 5	< 10	192	< 5	18	249	55
1199444	0.045	7	< 5	0.51	30	133	< 2	0.43	< 5	< 10	211	< 5	18	105	55
1199445	0.051	6	< 5	0.64	29	185	< 2	0.47	< 5	< 10	217	< 5	24	101	65
1199446	0.046	6	< 5	0.24	31	171	< 2	0.50	< 5	< 10	219	< 5	18	95	52
1199447	0.045	5	< 5	0.66	29	131	< 2	0.48	< 5	< 10	222	< 5	17	101	54
1199448	0.052	4	< 5	0.43	26	127	< 2	0.53	< 5	< 10	222	< 5	19	105	62

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						7						146	202	316	9.28								6370
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						5						140	144	297	9.33								6190
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						4						148	142	314	9.75								6470
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												46		417	10.5		2.38	1.22		943	18		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		402	10.4		2.09	1.19		914	20		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		404	10.4		2.31	1.19		945	19		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				43.1					65			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				42.6					58			125		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				41.8					73			125		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 13b (4-Acid) Meas				1.0		41						73	8990	2390							11		2120
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		44						71	8720	2270							13		2100
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		43						73	8990	2340							12		2170
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.4	6.68	91	208	8	7	0.05		94	56	6070	6.61	17	3.38	0.57	16	441	1	0.04	46
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.47	103	196	8	< 2	0.05		90	49	5780	6.68	16	2.74	0.55	15	417	3	0.03	45
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.56	83	213	8	< 2	0.05		92	43	5910	6.77	17	3.30	0.56	16	418	2	0.03	43

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.22	10	189	< 1	< 2	0.20		31	453	376	14.8	22	0.41	0.25	22	498	< 1	0.09	244
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.32	6	192	< 1	< 2	0.20		32	521	377	14.9	23	0.41	0.25	22	516	1	0.10	249
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4580	1930	1200																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.6					26			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.0					9			49		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.6					26			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.8	7.59	6	431	2	12	0.50	0.4	23	61	4510	6.70	19	2.52	1.73	30	934	< 1	0.32	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.2	7.42	9	451	2	13	0.49	0.4	23	68	4260	6.51	19	2.45	1.68	31	976	1	0.31	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.1	7.56	10	391	2	15	0.50	0.4	24	69	4320	6.75	21	1.96	1.75	32	1000	1	0.32	38
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				70.4	6.05	67		2	3	2.07	279	30	27	3720	3.74	24	2.21	0.50	14	538	13	1.34	26
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				70.5	6.61	74		2	2	2.11	285	30	27	3640	3.77	24	2.17	0.51	14	529	13	1.33	31
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				70.9	5.97	75		1	< 2	2.01	278	30	28	3600	3.71	25	2.14	0.50	14	500	14	1.26	28
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				72.6	6.20	78		1	3	2.13	289	32	34	3870	4.00	26	2.26	0.53	15	554	15	1.36	30
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1780	1700	231																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas	1870	1680	207																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1980	1590	221																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2000	1710	234																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1870	1710	235																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1780	1690	224																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1750	1620	240																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.5	1.86	1560	23	< 1	3	2.65	2.5	1400	204	3320	28.5	< 1	0.33	2.43	18	629		0.41	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.5	1.67	1410	9	< 1	< 2	2.68	1.0	1400	223	3070	27.0	6	0.31	2.38	17	592		0.39	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.6	1.68	1410	15	< 1	3	2.72	0.9	1420	216	3100	28.2	5	0.30	2.39	17	599		0.39	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	8.01		417	1	< 2	5.71		48	1540	259	7.37	17	1.31	4.93	13	1250	2	1.61	470
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.80		413	< 1	< 2	5.73		49	1550	266	7.79	15	1.35	5.03	14	1280	2	1.62	473
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.67		409	< 1	< 2	5.69		50	1420	255	7.59	16	1.34	4.90	13	1260	3	1.57	466
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.5	6.32	3150	481	2	< 2	0.91	< 0.3	12	86	42	3.37	14	2.48	1.24	31	391	< 1	0.48	48
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					5.25	16	> 1000	33	9	1.18		7	46	301	3.34	24	1.69	0.55	2140	412	4	0.99	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.28	21	> 1000	30	9	1.20		7	61	307	3.33	24	1.65	0.55	2250	402	5	0.96	24

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.1	4.83	199		< 1	5	3.76		362	31	5880	20.3	17	3.14	1.14	17	3040	104	0.99	68
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.63	214		< 1	5	3.63		357	28	5510	19.5	16	2.97	1.08	16	2930	112	0.90	67
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.2	4.83	249		< 1	4	3.83		379	32	5870	20.9	17	3.17	1.15	17	3110	121	0.97	74
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.79	134	197	< 1	< 2	2.93	0.5	77		50	5.66	9	0.60	12.8	35	1120	3	0.77	2070
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
1199242 Orig	123	16	< 5																				
1199242 Dup	118	15	< 5																				
1199246 Orig				0.5	7.51	< 3	228	< 1	< 2	6.27	< 0.3	54	61	279	8.58	17	0.52	3.86	20	1360	< 1	1.50	118
1199246 Dup				0.4	7.58	< 3	229	< 1	< 2	6.37	< 0.3	55	64	284	8.69	16	0.52	3.92	21	1370	< 1	1.53	121
1199252 Orig	9	6	8																				
1199252 Dup	6	6	6																				
1199256 Orig				0.5	3.92	< 3	503	< 1	< 2	3.55	< 0.3	64	105	257	11.1	12	1.59	4.60	31	1650	1	0.48	129
1199256 Dup				0.6	4.43	< 3	562	< 1	< 2	4.02	< 0.3	72	116	304	12.5	14	1.88	5.30	37	1870	< 1	0.56	149
1199262 Orig	12	< 5	< 5																				
1199262 Dup	6	< 5	< 5																				
1199267 Orig				2.7	4.17	7	274	< 1	< 2	3.49	2.0	206	56	4260	27.2	14	0.88	3.37	16	1520	< 1	0.86	806
1199267 Dup				2.6	4.17	< 3	275	< 1	< 2	3.51	2.2	203	58	4310	27.0	13	0.87	3.33	16	1530	1	0.84	803
1199272 Orig	< 2	< 5	< 5																				
1199272 Dup	< 2	< 5	< 5																				
1199280 Orig				< 0.3	0.06	4	163	< 1	< 2	26.7	< 0.3	< 1	5	2	0.16	< 1	0.02	7.62	4	237	< 1	0.04	< 1
1199280 Dup				< 0.3	0.06	< 3	150	< 1	< 2	27.7	< 0.3	< 1	3	1	0.15	< 1	0.02	7.52	4	235	< 1	0.03	< 1
1199282 Orig	< 2	< 5	< 5	0.3	7.68	4	468	< 1	2	5.37	< 0.3	57	11	102	13.9	25	1.29	2.17	25	1510	2	1.93	32
1199282 Split PREP DUP	< 2	< 5	< 5	0.3	7.54	3	459	< 1	3	5.44	< 0.3	58	13	104	14.3	25	1.33	2.26	26	1530	2	1.97	32
1199283 Orig	8	< 5	< 5																				
1199283 Dup	6	< 5	< 5																				
1199291 Orig	< 2	12	< 5																				
1199291 Dup	< 2	11	5																				
1199297 Orig				< 0.3	9.53	4	305	< 1	< 2	6.70	< 0.3	54	39	68	6.71	15	0.83	4.40	26	947	< 1	1.61	174
1199297 Dup				< 0.3	10.5	6	296	< 1	< 2	6.70	< 0.3	54	44	67	6.71	15	0.84	4.41	26	934	< 1	1.62	173
1199309 Orig				0.8	7.85	< 3	62	< 1	< 2	5.01	0.4	71	226	1410	7.35	13	0.17	6.24	25	1210	< 1	1.56	485
1199309 Dup				0.8	7.70	< 3	61	< 1	< 2	4.96	0.9	69	236	1340	7.15	11	0.17	6.09	25	1190	< 1	1.52	479
1199311 Orig	25	374	91																				
1199311 Dup	36	427	95																				
1199321 Orig	55	561	144																				
1199321 Dup	24	554	142																				
1199325 Orig				< 0.3	9.01	< 3	54	< 1	< 2	5.41	< 0.3	55	242	12	8.22	17	0.17	6.09	28	1340	< 1	1.74	157
1199325 Dup				< 0.3	8.70	10	52	< 1	< 2	5.35	< 0.3	54	245	14	8.09	15	0.17	6.00	28	1310	1	1.72	158
1199331 Orig	8	31	31																				
1199331 Dup	8	29	30																				
1199332 Orig	5	25	25	< 0.3	8.30	< 3	22	< 1	< 2	8.26	0.3	60	211	229	9.50	19	0.10	5.46	19	1420	< 1	0.65	138

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199332 Split PREP DUP	5	27	24	< 0.3	8.66	3	22	< 1	< 2	8.28	0.3	60	203	219	9.71	19	0.10	5.54	19	1430	< 1	0.65	137
1199335 Orig				< 0.3	8.14	6	101	< 1	< 2	6.93	< 0.3	45	366	62	7.42	13	0.35	5.11	16	1290	< 1	1.45	113
1199335 Dup				< 0.3	7.73	< 3	105	< 1	< 2	7.11	1.0	47	266	63	7.76	14	0.35	5.24	16	1340	1	1.52	120
1199338 Orig	3	28	10																				
1199338 Dup	4	30	10																				
1199350 Orig	7	< 5	< 5																				
1199350 Dup	4	< 5	< 5																				
1199352 Orig				< 0.3	7.17	< 3	128	< 1	< 2	7.63	< 0.3	45	221	82	8.63	14	0.45	4.39	14	1380	< 1	1.10	104
1199352 Dup				< 0.3	7.41	4	130	< 1	< 2	8.02	< 0.3	48	239	87	9.27	14	0.49	4.70	15	1490	< 1	1.20	112
1199359 Orig	2	< 5	< 5																				
1199359 Dup	3	< 5	< 5																				
1199366 Orig				0.4	6.63	4	568	< 1	< 2	5.84	< 0.3	47	17	346	11.0	20	1.51	2.96	25	1330	< 1	1.71	73
1199366 Dup				0.3	6.45	< 3	559	< 1	< 2	5.68	< 0.3	46	24	341	10.7	19	1.46	2.87	24	1310	< 1	1.65	72
1199382 Orig	2	< 5	< 5	< 0.3	9.57	5	167	< 1	< 2	3.90	< 0.3	12	11	112	4.75	24	0.22	0.86	11	662	1	4.77	42
1199382 Split PREP DUP	< 2	< 5	< 5	< 0.3	9.38	4	172	< 1	< 2	4.02	< 0.3	11	17	126	4.61	24	0.23	0.77	11	639	1	5.32	40
1199389 Orig	50	< 5	6	0.5	10.5	3	> 1000	1	< 2	3.36	< 0.3	31	24	720	6.51	29	0.83	1.68	24	857	< 1	3.77	64
1199389 Dup	55	< 5	7	0.5	10.1	7	> 1000	1	< 2	3.27	< 0.3	31	24	694	6.28	28	0.82	1.62	23	827	< 1	3.66	63
1199391 Orig				0.4	7.79	< 3	310	< 1	< 2	2.47	< 0.3	43	30	287	8.68	20	0.90	2.96	27	1210	1	2.82	50
1199391 Dup				0.5	7.70	8	308	< 1	< 2	2.41	< 0.3	42	76	284	8.42	23	0.84	2.88	26	1190	1	2.72	52
1199399 Orig	9	< 5	< 5																				
1199399 Dup	14	< 5	< 5																				
1199409 Orig	6	< 5	< 5	0.4	6.32	< 3	284	< 1	< 2	3.91	< 0.3	33	25	152	10.6	21	0.99	2.25	19	1570	< 1	2.30	39
1199409 Dup	6	< 5	< 5	0.4	6.19	4	277	< 1	< 2	3.86	< 0.3	32	20	148	10.4	21	0.98	2.21	19	1600	< 1	2.26	37
1199419 Orig	6	122	73																				
1199419 Dup	5	130	72																				
1199424 Orig				< 0.3	8.32	5	120	< 1	< 2	5.33	< 0.3	52	41	96	9.29	17	0.39	3.70	25	1460	< 1	2.71	121
1199424 Dup				< 0.3	8.38	< 3	122	< 1	< 2	5.27	< 0.3	52	43	96	9.15	16	0.38	3.65	25	1460	< 1	2.67	119
1199429 Orig	7	87	45																				
1199429 Dup	7	89	42																				
1199432 Orig	6	94	35	< 0.3	6.80	< 3	79	< 1	< 2	5.52	< 0.3	56	49	238	10.3	15	0.24	4.30	19	1400	< 1	1.92	131
1199432 Split PREP DUP	7	81	34	< 0.3	6.86	< 3	80	< 1	< 2	5.52	< 0.3	56	49	245	10.2	14	0.24	4.27	19	1400	< 1	1.95	130
1199432 Orig	6	93	33																				
1199432 Dup	5	95	36																				
1199438 Orig				0.3	7.77	< 3	122	< 1	< 2	6.65	< 0.3	56	55	361	10.4	19	0.36	3.66	19	1400	< 1	1.88	144
1199438 Dup				0.3	7.61	< 3	120	< 1	< 2	6.47	< 0.3	54	54	355	10.2	19	0.35	3.52	18	1350	< 1	1.83	138
1199440 Orig	21	123	41																				
1199440 Dup	19	120	46																				
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	13	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	3	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.67											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.62											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.68											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.115	24						0.35		390	77		133		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.109	22						0.36		390	80		134		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.118	21						0.35		390	77		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		312	< 5	16.4										1300	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		322	< 5	15.8										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		321	< 5	14.7										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.19										122	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.16										110	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.20										116	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.092	13	< 5	0.06	11	30			< 5	< 10	82	< 5	35	29	8
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.097	9	< 5	0.06	11	29			< 5	< 10	84	< 5	34	27	20
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.096	10	< 5	0.06	12	29			< 5	< 10	69	< 5	35	27	47

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.036	24	< 5	0.04	53	34		0.13	< 5	< 10	89	< 5	12	51	48
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.036	25	< 5	0.05	54	34		0.28	< 5	< 10	126	< 5	12	50	77
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		95	< 5	4.30										456	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		90	< 5	4.17										436	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		95	< 5	4.49										443	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.062	89	< 5	0.71	13	46		0.42	< 5	< 10	94	7	27	368	117
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.066	79	< 5	0.72	13	44		0.40	< 5	< 10	97	9	27	343	125
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.066	80	< 5	0.73	13	47		0.43	< 5	< 10	98	10	27	368	132
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.036	> 5000	13	4.57	5	62		0.18	< 5	< 10	34	< 5	11	> 10000	160
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.036	> 5000	18	4.66	6	68		0.19	< 5	< 10	35	< 5	13	> 10000	168
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.037	> 5000	14	4.81	6	64		0.18	< 5	< 10	35	< 5	11	> 10000	154
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.038	> 5000	12	4.90	6	73		0.20	< 5	< 10	37	< 5	12	> 10000	166
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		58	23		< 4	33	< 2	0.06	< 5	10	37	6	7	180	39
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		68	26		< 4	32	2	0.06	5	< 10	32	7	7	174	37
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		68	21		< 4	32	< 2	0.06	8	< 10	34	7	8	173	39
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.137	6	< 5	0.10	26	454		0.57		< 10	242	< 5	16	81	59
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.130	6	< 5	0.10	26	469		0.54		< 10	228	< 5	16	76	56
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.132	6	< 5	0.10	26	460		0.56		< 10	237	< 5	16	76	61
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 247 (4 Acid) Meas	0.046	32	395	0.71	12	98		0.38	< 5	< 10	73	< 5	18	90	131
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 147 (4 Acid) Meas	0.090	28	10	0.02	11	315		0.31	6	< 10	57		28	150	20
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.093	27	10	0.02	11	313		0.28	8	< 10	55		28	147	24

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.077	11	< 5	1.70	13	103	6	0.30	< 5	40	193	14	18	25	118
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.075	8	< 5	1.65	13	109	3	0.33	< 5	30	191	19	17	22	113
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.081	14	< 5	1.74	14	94	10	0.37	< 5	30	205	29	18	24	121
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.022	14	< 5	0.29	12	75		0.18	< 5	< 10	66	< 5	9	99	61
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66
1199242 Orig															
1199242 Dup															
1199246 Orig	0.028	7	< 5	0.20	34	233	2	0.35	< 5	< 10	215	< 5	20	99	53
1199246 Dup	0.028	8	< 5	0.20	34	235	2	0.35	< 5	< 10	215	< 5	20	98	53
1199252 Orig															
1199252 Dup															
1199256 Orig	0.055	< 3	< 5	0.09	29	18	8	0.52	< 5	< 10	205	< 5	53	151	143
1199256 Dup	0.053	3	< 5	0.10	32	21	7	0.44	< 5	< 10	215	< 5	59	165	153
1199262 Orig															
1199262 Dup															
1199267 Orig	0.021	8	< 5	0.80	20	49	5	0.37	< 5	< 10	201	< 5	13	195	41
1199267 Dup	0.022	10	< 5	0.79	20	48	< 2	0.38	< 5	< 10	203	< 5	13	193	41
1199272 Orig															
1199272 Dup															
1199280 Orig	0.005	< 3	< 5	0.01	< 4	127	< 2	< 0.01	< 5	< 10	4	< 5	< 1	15	< 5
1199280 Dup	0.004	< 3	< 5	0.01	< 4	124	< 2	< 0.01	< 5	< 10	4	< 5	< 1	13	< 5
1199282 Orig	0.036	8	< 5	0.08	28	203	< 2	0.63	< 5	< 10	319	6	26	129	70
1199282 Split PREP DUP	0.037	6	< 5	0.08	28	207	4	0.79	< 5	< 10	346	< 5	26	133	71
1199283 Orig															
1199283 Dup															
1199291 Orig															
1199291 Dup															
1199297 Orig	0.014	< 3	< 5	0.05	22	230	< 2	0.18	< 5	< 10	130	< 5	6	58	21
1199297 Dup	0.014	< 3	< 5	0.05	24	231	< 2	0.18	< 5	< 10	127	< 5	7	58	22
1199309 Orig	0.008	6	< 5	0.36	22	167	< 2	0.12	< 5	< 10	100	< 5	4	85	12
1199309 Dup	0.008	4	< 5	0.35	22	164	< 2	0.12	< 5	< 10	98	< 5	4	84	11
1199311 Orig															
1199311 Dup															
1199321 Orig															
1199321 Dup															
1199325 Orig	0.001	4	< 5	< 0.01	48	186	< 2	0.10	< 5	< 10	144	< 5	3	112	< 5
1199325 Dup	0.001	3	< 5	< 0.01	46	185	< 2	0.10	< 5	< 10	139	< 5	3	109	< 5
1199331 Orig															
1199331 Dup															
1199332 Orig	0.002	6	< 5	0.16	39	301	3	0.29	< 5	< 10	246	< 5	2	88	< 5

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199332 Split PREP DUP	0.002	6	< 5	0.15	40	307	< 2	0.30	< 5	< 10	251	< 5	2	84	< 5
1199335 Orig	0.001	5	< 5	0.03	48	207	< 2	0.22	< 5	< 10	209	< 5	4	81	< 5
1199335 Dup	0.002	6	< 5	0.03	45	215	5	0.21	< 5	< 10	212	< 5	3	84	< 5
1199338 Orig															
1199338 Dup															
1199350 Orig															
1199350 Dup															
1199352 Orig	0.002	5	< 5	0.02	43	211	< 2	0.18	< 5	< 10	221	< 5	10	89	6
1199352 Dup	0.002	4	< 5	0.02	45	228	< 2	0.21	< 5	< 10	225	< 5	10	94	6
1199359 Orig															
1199359 Dup															
1199366 Orig	0.042	6	< 5	0.08	34	211	5	0.30	< 5	< 10	303	< 5	32	101	86
1199366 Dup	0.040	6	< 5	0.08	34	203	6	0.28	< 5	< 10	334	< 5	32	98	93
1199382 Orig	0.013	3	< 5	0.06	6	222	< 2	0.18	< 5	< 10	61	< 5	31	46	85
1199382 Split PREP DUP	0.013	3	< 5	0.06	5	224	< 2	0.19	< 5	< 10	60	< 5	29	41	83
1199389 Orig	0.060	5	< 5	0.17	14	234	< 2	0.19	< 5	< 10	77	< 5	31	79	75
1199389 Dup	0.060	5	< 5	0.16	13	224	< 2	0.20	< 5	< 10	76	< 5	30	76	76
1199391 Orig	0.067	< 3	< 5	0.15	22	101	6	0.47	< 5	< 10	138	< 5	42	130	129
1199391 Dup	0.067	< 3	< 5	0.15	22	96	2	0.45	< 5	< 10	136	< 5	41	131	127
1199399 Orig															
1199399 Dup															
1199409 Orig	0.026	7	< 5	0.05	25	136	< 2	0.22	< 5	< 10	200	< 5	41	137	127
1199409 Dup	0.028	6	< 5	0.05	24	133	< 2	0.31	< 5	< 10	193	< 5	40	142	125
1199419 Orig															
1199419 Dup															
1199424 Orig	0.037	4	< 5	0.02	25	204	< 2	0.36	< 5	< 10	183	< 5	16	128	47
1199424 Dup	0.038	4	< 5	0.03	25	205	< 2	0.37	< 5	< 10	188	< 5	16	128	48
1199429 Orig															
1199429 Dup															
1199432 Orig	0.043	8	< 5	0.19	29	119	4	0.43	< 5	< 10	204	< 5	17	106	46
1199432 Split PREP DUP	0.043	4	< 5	0.20	29	120	< 2	0.47	< 5	< 10	219	< 5	17	107	50
1199432 Orig															
1199432 Dup															
1199438 Orig	0.048	6	< 5	0.33	27	204	< 2	0.45	< 5	< 10	179	< 5	21	89	55
1199438 Dup	0.048	3	< 5	0.31	26	199	5	0.53	< 5	< 10	210	< 5	21	87	64
1199440 Orig															
1199440 Dup															
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-17795**
Report Date: **11-Nov-21**
Date Submitted: **22-Sep-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

220 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-10-27 11:49:01
1F2	QOP Total (Total Digestion ICPOES)	2021-10-29 22:56:56

REPORT **A21-17795**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199449	< 2	15	9	< 0.3	8.84	8	60	< 1	< 2	5.15	< 0.3	58	19	42	7.55	15	0.29	4.49	20	1030	< 1	2.87	159
1199450	< 2	15	6	< 0.3	7.95	< 3	34	< 1	2	5.80	< 0.3	57	43	52	7.47	13	0.15	4.53	19	1030	< 1	2.44	152
1199451	10	24	12	< 0.3	5.85	4	14	< 1	2	6.40	< 0.3	85	114	67	9.40	12	0.06	6.24	47	1440	< 1	0.83	336
1199452	3	38	25	< 0.3	7.38	6	22	< 1	< 2	4.23	< 0.3	96	33	7	10.6	13	0.17	7.27	51	1380	< 1	0.75	294
1199453	< 2	29	36	< 0.3	8.05	< 3	55	< 1	< 2	4.76	< 0.3	77	106	14	9.04	13	0.29	6.71	44	1250	< 1	1.50	247
1199454	< 2	18	8	< 0.3	7.78	< 3	81	< 1	< 2	9.11	< 0.3	50	92	19	5.87	13	0.36	4.43	30	950	< 1	1.82	173
1199455	< 2	43	14	< 0.3	7.06	8	39	< 1	< 2	4.91	< 0.3	83	131	16	8.98	11	0.19	7.27	48	1310	< 1	1.28	336
1199456	< 2	74	6	< 0.3	6.62	4	27	< 1	< 2	4.00	< 0.3	96	144	12	10.0	10	0.17	8.34	40	1410	< 1	0.93	407
1199457	< 2	40	8	< 0.3	8.13	< 3	41	< 1	< 2	3.43	< 0.3	104	51	8	10.5	13	0.25	8.38	51	1400	< 1	0.64	370
1199458	5	79	72	< 0.3	7.50	6	37	< 1	< 2	5.04	< 0.3	80	52	26	8.68	10	0.21	7.32	42	1240	1	1.10	336
1199459	122	1330	400	0.6	7.27	4	118	< 1	< 2	4.36	< 0.3	72	107	2270	6.67	10	0.70	7.84	52	1090	< 1	1.73	509
1199460	210	1340	655	3.4	6.26	< 3	70	< 1	< 2	3.89	0.8	172	217	6350	13.5	13	0.60	3.78	12	1160	2	1.84	8790
1199461	91	717	211	0.6	7.50	4	136	< 1	< 2	5.10	< 0.3	63	146	1560	6.08	13	0.72	6.94	43	980	< 1	1.45	475
1199462	25	521	144	< 0.3	9.90	< 3	203	< 1	< 2	4.73	< 0.3	43	64	584	4.90	15	1.21	5.57	50	833	< 1	2.34	201
1199463	43	595	223	< 0.3	7.84	3	131	< 1	< 2	4.37	< 0.3	65	93	936	6.76	11	0.76	7.70	49	1140	< 1	1.84	354
1199464	53	384	126	0.3	10.5	3	160	< 1	< 2	5.67	< 0.3	41	126	606	4.52	16	0.95	4.53	41	762	< 1	2.17	260
1199465	103	417	199	0.6	10.0	< 3	126	< 1	< 2	5.78	0.4	52	86	1660	5.21	16	0.63	4.05	35	759	< 1	2.36	500
1199466	108	74	91	0.4	10.0	< 3	118	< 1	< 2	5.15	< 0.3	56	73	1060	5.83	15	0.71	5.18	40	877	< 1	2.60	492
1199467	97	675	237	2.1	9.95	4	145	< 1	< 2	5.54	0.7	70	136	2960	6.25	14	0.83	5.51	36	934	< 1	1.86	562
1199468	112	2240	671	0.7	6.46	4	16	< 1	< 2	3.73	< 0.3	107	159	1800	10.3	10	0.08	9.89	61	1450	< 1	0.30	1070
1199469	62	1180	397	< 0.3	4.85	< 3	< 7	< 1	< 2	4.28	< 0.3	75	152	595	7.88	9	0.02	9.38	49	1350	< 1	0.08	459
1199470	< 2	5	< 5	< 0.3	0.05	4	123	< 1	< 2	29.5	< 0.3	< 1	5	2	0.17	< 1	< 0.01	7.24	7	277	< 1	0.03	2
1199471	3	83	8	< 0.3	6.30	4	8	< 1	< 2	2.99	< 0.3	75	53	42	9.00	13	0.04	9.82	52	1440	< 1	0.20	162
1199472	11	12	12	< 0.3	5.10	< 3	15	< 1	< 2	4.54	< 0.3	67	147	126	8.22	9	0.07	9.56	41	1510	< 1	0.20	169
1199473	182	2920	1150	0.6	6.10	4	46	< 1	< 2	4.23	< 0.3	68	70	1650	7.90	12	0.21	8.49	36	1380	< 1	0.91	286
1199474	208	2830	1050	0.6	5.98	< 3	39	< 1	< 2	3.76	0.5	76	82	1560	8.59	12	0.20	8.83	36	1450	< 1	0.68	451
1199475	90	1380	406	0.6	5.97	< 3	38	< 1	< 2	4.13	< 0.3	70	82	1170	8.25	14	0.17	8.38	32	1430	< 1	0.81	482
1199476	273	3460	1040	1.2	6.82	4	84	< 1	< 2	3.79	0.4	75	82	2990	7.99	11	0.38	7.52	33	1350	< 1	1.16	679
1199477	90	1940	509	0.7	5.89	3	46	< 1	< 2	4.27	< 0.3	74	99	1530	8.68	12	0.22	8.78	35	1520	< 1	0.76	503
1199478	211	2310	677	0.8	4.78	11	22	< 1	< 2	4.72	< 0.3	79	123	1880	8.88	9	0.12	9.09	33	1600	< 1	0.34	537
1199479	315	1570	520	1.0	6.15	4	87	< 1	< 2	4.50	0.4	62	95	2040	7.04	13	0.34	6.72	26	1270	< 1	1.51	445
1199480	301	3620	1070	1.2	5.97	< 3	75	< 1	< 2	4.11	0.6	72	82	2490	7.34	11	0.29	6.79	28	1300	< 1	1.33	435
1199481	3	7	< 5	< 0.3	6.18	6	107	< 1	2	4.09	< 0.3	66	99	32	8.61	13	0.43	8.52	39	1540	< 1	0.88	201
1199482	10	14	< 5	0.8	7.38	4	125	< 1	< 2	2.91	0.5	68	55	1550	8.63	15	0.47	8.32	53	1400	< 1	1.12	174
1199483	37	224	69	0.4	6.97	< 3	79	< 1	< 2	3.08	< 0.3	68	49	498	8.88	15	0.27	8.69	50	1430	< 1	0.79	268
1199484	192	1770	452	1.0	5.70	< 3	68	< 1	< 2	3.73	0.4	75	94	1970	8.89	11	0.21	8.80	42	1500	< 1	0.66	469
1199485	112	1340	428	0.8	6.10	< 3	96	< 1	< 2	3.88	0.4	77	154	1550	9.16	12	0.43	8.66	41	1560	< 1	0.88	469
1199486	146	149	138	0.8	6.13	< 3	93	< 1	< 2	3.90	< 0.3	70	80	1540	8.79	11	0.42	8.19	39	1480	< 1	0.95	296
1199487	16	20	27	< 0.3	6.29	5	105	< 1	< 2	4.01	< 0.3	61	63	133	8.38	12	0.51	7.98	40	1450	< 1	0.99	156
1199488	15	194	94	< 0.3	5.91	5	108	< 1	< 2	3.89	< 0.3	61	54	225	8.36	9	0.46	8.01	41	1450	< 1	0.79	157
1199489	36	256	75	< 0.3	5.64	< 3	80	< 1	< 2	4.03	< 0.3	64	52	302	9.24	10	0.32	8.72	43	1510	< 1	0.90	250
1199490	175	1340	710	3.4	6.47	< 3	105	< 1	< 2	4.02	0.8	169	232	6490	13.8	14	0.62	3.94	13	1210	3	1.92	8380
1199491	341	4000	1220	1.5	6.66	4	70	< 1	< 2	3.10	0.5	83	36	3360	10.8	22	0.27	8.95	53	1530	< 1	0.62	632
1199492	31	94	34	< 0.3	6.16	< 3	37	< 1	< 2	3.28	< 0.3	65	279	410	9.77	18	0.15	8.75	47	1480	< 1	0.89	323
1199493	141	2440	738	0.7	4.89	< 3	34	< 1	< 2	4.26	< 0.3	69	134	1630	9.75	13	0.14	9.09	36	1560	< 1	0.47	398
1199494	49	423	177	< 0.3	5.02	< 3	43	< 1	< 2	4.02	< 0.3	68	118	534	9.66	12	0.14	9.03	37	1570	< 1	0.44	325
1199495	187	2370	879	0.6	5.43	< 3	49	< 1	< 2	3.49	< 0.3	77	80	1340	10.2	12	0.17	8.61	40	1550	< 1	0.55	431
1199496	72	714	223	< 0.3	3.78	< 3	9	< 1	< 2	5.00	< 0.3	71	75	690	9.69	7	0.08	9.29	28	1750	< 1	0.15	351
1199497	67	369	100	< 0.3	4.65	< 3	10	< 1	< 2	4.02	< 0.3	83	61	858	10.8	8	0.07	9.48	33	1710	< 1	0.13	281
1199498	124	1680	538	0.5	4.52	5	< 7	< 1	< 2	4.34	< 0.3	86	66	1460	10.5	10	0.02	9.95	23	1670	< 1	0.10	464
1199499	58	1190	460	< 0.3	2.72	3	< 7	< 1	< 2	6.16	0.4	71	159	212	8.61	9	0.03	10.3	11	1710	< 1	0.11	436

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199500	3	< 5	< 5	< 0.3	0.07	< 3	892	< 1	< 2	26.5	< 0.3	< 1	3	1	0.13	< 1	0.02	10.3	6	379	< 1	0.03	1
905001	201	1670	892	0.5	2.52	4	< 7	< 1	< 2	6.64	0.7	74	89	1650	9.08	6	< 0.01	10.8	10	1800	< 1	0.12	483
905002	28	155	56	< 0.3	3.10	< 3	34	< 1	< 2	5.77	< 0.3	71	92	373	9.93	9	0.19	8.72	19	1800	< 1	0.16	249
905003	43	45	45	< 0.3	4.95	< 3	20	< 1	< 2	4.07	< 0.3	74	88	405	10.2	9	0.13	8.33	36	1590	< 1	0.13	261
905004	8	73	34	< 0.3	3.83	5	< 7	< 1	< 2	4.97	< 0.3	71	86	77	9.49	8	0.03	9.07	24	1630	< 1	0.12	227
905005	20	308	185	< 0.3	3.78	< 3	21	< 1	< 2	4.99	< 0.3	72	96	125	9.31	9	0.07	9.25	22	1700	< 1	0.17	233
905006	40	153	97	< 0.3	6.43	4	114	< 1	< 2	3.40	< 0.3	75	79	537	9.94	14	0.45	7.81	44	1510	< 1	0.81	207
905007	6	58	47	< 0.3	4.88	9	51	< 1	< 2	3.70	< 0.3	72	127	45	9.48	10	0.19	7.95	34	1550	< 1	0.36	191
905008	307	383	123	< 0.3	5.98	< 3	242	< 1	< 2	3.76	< 0.3	70	68	384	12.2	15	0.76	6.22	34	1630	< 1	1.28	194
905009	59	956	314	0.3	5.92	3	247	< 1	< 2	3.78	< 0.3	68	70	390	11.9	15	0.81	6.10	33	1650	< 1	1.27	194
905010	27	111	82	0.5	5.35	< 3	298	< 1	< 2	4.52	< 0.3	71	40	495	15.3	17	0.96	4.87	21	1740	< 1	1.27	170
905011	12	81	77	< 0.3	3.51	< 3	125	< 1	< 2	4.42	< 0.3	84	71	208	13.6	11	0.56	7.16	23	1800	< 1	0.20	181
905012	6	13	21	< 0.3	4.72	< 3	124	< 1	< 2	3.89	< 0.3	74	90	123	10.5	10	0.48	7.24	32	1540	< 1	0.44	166
905013	9	19	8	< 0.3	6.60	< 3	197	< 1	< 2	3.77	< 0.3	66	57	201	9.03	14	0.66	7.05	37	1370	< 1	1.14	155
905014	18	< 5	11	< 0.3	5.90	< 3	87	< 1	< 2	3.41	< 0.3	64	71	482	8.83	13	0.27	7.28	35	1330	< 1	0.90	141
905015	< 2	9	11	0.3	5.78	3	14	< 1	< 2	3.30	< 0.3	75	42	16	10.9	14	0.07	8.89	48	1460	< 1	0.27	113
905016	< 2	13	< 5	< 0.3	5.08	< 3	65	< 1	3	3.95	< 0.3	70	46	21	10.1	14	0.26	8.02	38	1430	< 1	0.49	150
905017	< 2	30	18	< 0.3	5.29	4	75	< 1	< 2	3.93	< 0.3	66	49	20	10.7	13	0.31	8.48	40	1470	< 1	0.34	151
905018	< 2	10	13	< 0.3	6.51	< 3	95	< 1	< 2	2.64	< 0.3	65	33	11	11.1	18	0.26	8.52	49	1400	< 1	0.35	96
905019	4	18	17	< 0.3	6.59	10	28	< 1	< 2	2.29	< 0.3	65	17	111	11.2	22	0.11	8.58	49	1290	< 1	0.17	68
905020	144	1310	600	3.4	6.28	3	83	< 1	< 2	3.85	0.5	168	220	6250	13.1	12	0.60	3.80	12	1140	2	1.80	8510
905021	5	20	11	0.4	6.41	< 3	25	< 1	< 2	2.88	< 0.3	65	17	90	11.5	19	0.10	9.19	51	1420	< 1	0.23	84
905022	10	< 5	< 5	< 0.3	7.97	4	53	< 1	< 2	2.21	< 0.3	60	59	177	11.6	23	0.18	9.09	63	1340	< 1	0.54	58
905023	< 2	14	< 5	< 0.3	8.52	< 3	203	< 1	< 2	1.39	< 0.3	50	101	22	10.4	21	0.29	7.85	61	1080	< 1	0.87	61
905024	5	< 5	< 5	< 0.3	9.83	4	459	< 1	< 2	2.06	< 0.3	40	97	256	7.97	23	1.22	5.68	52	876	< 1	1.86	109
905025	10	< 5	< 5	< 0.3	10.6	6	304	< 1	< 2	4.27	< 0.3	29	110	400	5.93	21	1.17	4.20	36	722	< 1	2.46	121
905026	3	< 5	< 5	< 0.3	11.1	< 3	270	< 1	< 2	4.94	< 0.3	28	109	97	7.03	23	0.96	4.48	40	798	1	2.40	112
905027	< 2	< 5	< 5	< 0.3	9.41	< 3	187	< 1	< 2	3.94	< 0.3	30	38	72	7.69	23	0.61	5.25	42	930	< 1	2.12	75
905028	4	< 5	< 5	< 0.3	11.1	< 3	163	< 1	< 2	5.38	< 0.3	29	48	140	5.94	24	0.63	3.58	29	692	< 1	2.64	76
905029	6	35	< 5	< 0.3	11.6	6	164	< 1	< 2	5.01	< 0.3	37	147	326	6.20	22	0.76	3.97	33	758	< 1	2.41	122
905030	< 2	< 5	< 5	< 0.3	0.10	3	340	< 1	< 2	27.0	< 0.3	< 1	3	2	0.10	< 1	0.02	9.83	6	306	< 1	0.04	< 1
905031	18	183	57	< 0.3	10.8	< 3	241	< 1	< 2	5.46	< 0.3	31	82	250	5.64	22	0.82	3.29	24	682	< 1	2.63	135
905032	< 2	< 5	< 5	< 0.3	9.23	< 3	290	1	< 2	3.05	< 0.3	41	135	48	8.30	21	0.88	4.48	42	956	< 1	1.98	100
905033	5	105	45	< 0.3	5.54	9	13	< 1	< 2	3.65	< 0.3	69	136	38	12.7	18	0.04	8.66	40	1570	< 1	0.29	188
905034	20	164	63	< 0.3	3.48	< 3	< 7	< 1	< 2	4.28	< 0.3	67	79	479	12.5	17	0.03	7.09	21	1360	< 1	0.18	228
905035	10	9	< 5	< 0.3	5.18	3	12	< 1	< 2	1.12	< 0.3	61	21	286	12.7	20	0.04	4.99	36	1140	< 1	0.13	85
905036	< 2	< 5	< 5	< 0.3	5.47	5	24	< 1	< 2	0.91	< 0.3	47	17	81	13.5	25	0.08	4.76	38	1140	< 1	0.16	17
905037	< 2	< 5	< 5	< 0.3	5.66	14	87	< 1	< 2	1.06	< 0.3	42	10	33	11.8	19	0.24	4.30	42	1060	< 1	0.47	16
905038	< 2	< 5	< 5	< 0.3	6.63	7	163	< 1	< 2	2.26	< 0.3	38	11	52	10.9	27	0.35	4.21	45	1240	< 1	0.86	20
905039	7	38	28	< 0.3	7.04	5	35	< 1	< 2	5.33	< 0.3	78	66	103	10.3	14	0.12	6.12	24	1510	< 1	1.73	293
905040	< 2	9	7	< 0.3	7.99	9	61	< 1	< 2	5.53	< 0.3	57	64	23	8.11	15	0.28	4.75	21	1250	1	2.17	139
905041	< 2	9	8	< 0.3	10.00	< 3	119	< 1	< 2	6.48	< 0.3	44	79	51	6.55	16	0.53	4.06	21	1050	< 1	2.49	141
905042	< 2	34	7	< 0.3	8.23	< 3	88	< 1	< 2	4.90	< 0.3	62	67	59	8.82	14	0.28	5.48	32	1270	< 1	2.32	209
905043	< 2	22	14	< 0.3	8.96	< 3	136	< 1	< 2	5.39	< 0.3	53	76	24	7.97	15	0.38	4.71	30	1150	< 1	2.45	193
905044	< 2	15	6	< 0.3	7.93	< 3	49	< 1	< 2	3.74	< 0.3	64	88	36	9.56	15	0.16	5.33	34	1260	< 1	2.56	181
905045	< 2	13	15	< 0.3	8.06	6	94	< 1	< 2	4.79	< 0.3	56	55	30	8.17	13	0.24	4.85	27	1160	< 1	2.52	178
905046	< 2	12	27	< 0.3	9.93	4	118	< 1	< 2	6.58	< 0.3	51	36	43	7.51	18	0.31	4.70	25	1070	< 1	2.31	168
905047	< 2	12	30	< 0.3	9.70	< 3	123	< 1	< 2	6.24	< 0.3	50	33	55	6.54	16	0.37	4.48	25	951	< 1	2.08	181
905048	30	659	220	< 0.3	8.38	3	81	< 1	< 2	4.99	< 0.3	66	37	534	7.76	14	0.20	5.49	27	1100	< 1	1.74	353
905049	54	1430	301	0.4	7.19	13	< 7	< 1	< 2	3.29	0.6	112	38	838	12.3	14	0.03	9.12	45	1640	< 1	0.67	689
905050	143	1290	610	3.3	6.29	< 3	139	< 1	< 2	3.97	0.6	166	230	6340	13.6	13	0.61	3.88	13	1150	< 1	1.88	8260

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905051	161	1630	382	0.7	6.30	< 3	30	< 1	< 2	3.85	0.5	100	71	2090	10.7	13	0.13	7.92	34	1440	< 1	0.60	762
905052	39	319	72	0.3	7.81	7	72	< 1	< 2	4.33	0.4	71	316	695	8.48	13	0.31	6.93	37	1240	< 1	1.46	398
905053	28	397	128	0.3	4.58	< 3	8	< 1	< 2	5.00	< 0.3	81	695	564	9.32	8	0.04	9.38	28	1500	< 1	0.40	452
905054	25	416	118	< 0.3	5.22	3	26	< 1	< 2	4.39	< 0.3	68	358	441	7.91	10	0.19	8.83	52	1380	< 1	0.81	384
905055	55	700	163	1.1	5.79	< 3	43	< 1	< 2	3.90	0.6	111	357	2380	8.23	9	0.20	7.93	38	1420	1	1.29	898
905056	64	806	165	0.8	5.13	3	36	< 1	< 2	5.07	0.4	101	210	1860	8.82	9	0.18	9.75	35	1610	< 1	0.50	793
905057	65	647	127	1.0	5.08	< 3	19	< 1	< 2	4.35	0.7	96	290	2220	8.62	8	0.12	8.92	37	1440	< 1	0.73	618
905058	82	629	156	0.7	5.84	6	26	< 1	< 2	4.08	< 0.3	71	340	1860	7.77	11	0.21	7.66	46	1240	< 1	1.14	516
905059	66	655	167	0.8	7.37	< 3	62	< 1	< 2	5.93	0.6	84	278	1910	7.18	13	0.38	6.53	35	1170	< 1	1.23	703
905060	< 2	< 5	< 5	< 0.3	0.09	< 3	19	< 1	< 2	31.2	< 0.3	< 1	9	10	0.22	< 1	0.01	6.19	7	210	< 1	0.04	5
905061	41	499	118	0.6	8.03	5	85	< 1	< 2	5.55	0.6	56	172	1430	6.02	14	0.62	6.26	33	1100	< 1	1.73	484
905062	53	756	192	0.6	10.1	3	117	< 1	< 2	5.00	< 0.3	74	191	1410	6.53	15	0.56	5.42	49	1010	< 1	1.98	469
905063	28	71	21	< 0.3	9.71	< 3	91	< 1	< 2	5.37	< 0.3	62	222	501	6.58	15	0.53	6.03	44	1130	< 1	1.75	239
905064	79	682	230	0.7	7.98	5	48	< 1	< 2	5.14	< 0.3	69	269	1180	8.02	11	0.25	7.85	28	1420	< 1	1.01	481
905065	29	242	74	< 0.3	9.57	11	94	< 1	< 2	5.62	< 0.3	49	107	419	6.06	15	0.46	5.23	30	1100	< 1	1.85	212
905066	64	533	151	0.6	7.57	3	64	< 1	< 2	4.51	0.4	67	109	1090	7.75	13	0.37	6.63	32	1330	< 1	1.26	412
905067	102	572	132	0.6	6.92	< 3	45	< 1	< 2	4.29	0.4	74	131	1220	7.80	12	0.17	6.63	32	1300	< 1	1.20	417
905068	25	269	88	< 0.3	8.40	< 3	65	< 1	< 2	5.12	< 0.3	64	204	496	7.41	16	0.28	6.32	32	1280	< 1	1.57	306
905069	35	354	97	0.3	8.15	4	92	< 1	< 2	4.71	< 0.3	65	112	575	7.46	14	0.35	5.98	35	1320	< 1	1.65	253
905070	67	703	211	0.7	5.84	5	67	< 1	< 2	4.26	0.5	103	112	1340	9.84	12	0.27	6.89	34	1480	< 1	0.95	468
905071	76	771	214	0.8	5.84	3	72	< 1	< 2	4.24	0.4	92	130	1340	9.59	12	0.29	6.75	34	1450	< 1	0.99	455
905072	39	315	100	0.5	5.97	5	39	< 1	< 2	3.76	< 0.3	97	157	833	10.9	14	0.16	7.31	30	1490	< 1	0.73	307
905073	13	70	26	< 0.3	11.0	4	93	< 1	< 2	5.26	< 0.3	34	39	285	5.45	18	0.36	3.48	24	815	< 1	2.70	95
905074	47	511	152	0.6	6.68	< 3	55	< 1	< 2	3.36	0.3	76	106	946	9.38	13	0.24	6.34	37	1410	< 1	1.30	318
905075	29	254	107	1.4	6.26	< 3	51	< 1	< 2	3.69	0.7	81	91	1190	9.56	13	0.24	6.32	37	1460	< 1	1.13	329
905076	16	75	44	< 0.3	5.78	< 3	89	< 1	< 2	4.13	< 0.3	71	87	429	10.4	12	0.31	7.51	42	1710	< 1	0.88	198
905077	15	132	70	0.4	6.99	< 3	138	< 1	< 2	3.85	< 0.3	80	95	537	9.41	13	0.46	6.21	50	1450	< 1	1.69	182
905078	12	42	23	0.3	6.92	3	131	< 1	< 2	3.63	< 0.3	60	82	440	9.44	14	0.38	5.96	42	1520	< 1	2.05	151
905079	6	18	10	< 0.3	7.64	6	141	< 1	< 2	3.37	< 0.3	85	65	228	9.17	15	0.36	5.44	41	1420	1	2.42	112
905080	171	1300	704	4.8	6.06	< 3	79	< 1	< 2	3.73	0.8	157	306	5910	12.8	12	0.58	3.68	12	1110	3	1.75	7730
905081	4	24	22	< 0.3	6.08	< 3	73	< 1	< 2	3.94	< 0.3	66	223	82	10.3	12	0.21	7.19	42	1800	< 1	1.44	108
905082	24	24	16	0.5	3.15	< 3	8	< 1	< 2	5.30	< 0.3	80	105	537	11.0	8	0.05	8.81	21	2080	< 1	0.15	180
905083	31	53	23	0.7	3.97	< 3	16	< 1	< 2	4.18	0.4	84	89	794	11.5	10	0.08	7.90	24	1940	< 1	0.14	205
905084	26	23	9	0.5	5.28	< 3	91	< 1	< 2	2.40	< 0.3	88	72	583	11.7	12	0.36	6.53	33	1690	< 1	0.47	155
905085	32	24	10	0.7	3.72	6	10	< 1	< 2	3.95	< 0.3	87	69	654	12.6	11	0.06	7.14	20	1900	1	0.14	195
905086	37	45	16	0.7	5.27	< 3	109	< 1	< 2	2.70	< 0.3	102	69	763	13.1	15	0.41	6.36	48	1850	1	0.48	246
905087	38	74	28	0.6	5.18	< 3	165	< 1	< 2	3.12	0.3	95	103	601	13.3	13	0.63	6.23	47	1910	< 1	0.59	225
905088	38	85	28	0.6	4.92	5	127	< 1	< 2	2.37	< 0.3	88	129	526	14.7	15	0.51	5.88	42	1930	< 1	0.25	177
905089	65	26	10	1.1	5.72	< 3	19	< 1	< 2	1.94	0.3	112	82	1150	13.8	16	0.05	6.29	32	1800	< 1	0.54	218
905090	< 2	< 5	< 5	< 0.3	0.25	7	28	< 1	< 2	33.2	< 0.3	< 1	2	2	0.31	< 1	0.02	5.63	4	205	< 1	0.18	< 1
905091	24	36	15	0.4	3.15	< 3	< 7	< 1	< 2	4.67	< 0.3	90	70	344	13.4	11	0.03	7.62	13	2090	< 1	0.13	184
905092	19	8	< 5	0.6	5.78	< 3	176	< 1	< 2	2.63	< 0.3	63	27	305	11.2	17	0.58	4.09	39	1430	< 1	1.28	79
905093	< 2	< 5	< 5	< 0.3	5.46	< 3	206	< 1	< 2	1.82	< 0.3	29	13	31	6.45	16	0.54	2.53	32	887	< 1	1.59	9
905094	17	8	< 5	< 0.3	6.20	< 3	114	< 1	< 2	1.34	< 0.3	38	71	247	6.10	17	0.28	2.20	24	752	3	1.92	75
905095	3	< 5	< 5	< 0.3	4.30	8	21	< 1	< 2	0.29	< 0.3	14	28	75	4.03	13	0.02	1.97	20	596	3	1.42	8
905096	5	< 5	< 5	< 0.3	4.22	3	21	< 1	< 2	0.25	< 0.3	10	19	119	3.92	13	0.02	2.12	21	608	2	1.25	3
905097	< 2	< 5	< 5	< 0.3	5.39	< 3	303	1	< 2	0.36	< 0.3	18	21	6	6.66	18	0.53	2.00	34	837	< 1	0.81	12
905098	22	66	30	< 0.3	5.30	< 3	406	1	< 2	0.34	< 0.3	16	20	81	5.56	16	0.74	1.59	28	679	3	0.80	8
905099	29	76	30	< 0.3	4.94	< 3	323	< 1	< 2	0.23	< 0.3	19	28	74	5.89	15	0.64	1.83	30	721	3	0.56	19
905100	37	90	31	< 0.3	4.78	< 3	376	< 1	< 2	0.21	< 0.3	17	22	111	5.52	14	0.76	1.70	29	689	2	0.51	18
905101	< 2	< 5	< 5	< 0.3	10.1	7	816	2	< 2	0.30	< 0.3	41	41	1	12.8	26	1.66	4.39	76	1640	< 1	0.42	64

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905102	8	< 5	< 5	< 0.3	7.94	< 3	650	2	< 2	0.41	1.6	29	47	72	8.87	21	1.27	2.83	49	1130	1	0.93	34
905103	41	< 5	< 5	< 0.3	5.16	8	203	1	< 2	0.36	20.6	33	22	460	7.63	16	0.47	2.34	38	896	2	0.60	23
905104	< 2	< 5	< 5	< 0.3	8.01	< 3	268	1	< 2	0.32	0.8	40	34	26	11.6	24	0.57	4.06	69	1390	< 1	0.71	55
905105	< 2	< 5	< 5	< 0.3	5.48	< 3	477	< 1	< 2	0.23	0.4	18	29	10	6.27	17	0.87	1.91	33	725	2	0.55	3
905106	2	< 5	< 5	< 0.3	5.41	5	588	< 1	< 2	0.19	0.4	16	31	7	6.16	17	0.98	1.72	31	749	2	0.39	2
905107	12	< 5	< 5	< 0.3	5.57	< 3	559	1	< 2	0.33	1.5	15	26	54	6.61	18	1.00	1.44	28	790	2	0.67	5
905108	< 2	< 5	< 5	< 0.3	4.89	< 3	226	1	< 2	0.35	< 0.3	16	24	34	6.71	16	0.42	1.38	24	755	2	0.77	4
905109	< 2	< 5	< 5	< 0.3	5.22	< 3	234	2	< 2	0.49	< 0.3	16	25	27	6.34	17	0.40	1.31	24	747	3	1.19	4
905110	122	1300	707	3.3	6.33	4	113	< 1	< 2	4.01	0.7	166	208	6450	13.8	14	0.62	3.93	13	1190	2	1.91	8270
905111	6	< 5	< 5	0.4	5.31	< 3	254	1	< 2	0.46	0.9	18	27	66	7.07	18	0.43	1.57	29	814	3	1.02	2
905112	12	< 5	< 5	< 0.3	5.13	< 3	155	1	< 2	0.62	1.0	25	23	73	7.63	19	0.56	1.63	25	868	4	1.03	7
905113	74	9	< 5	0.5	4.15	< 3	202	< 1	2	0.43	4.7	58	27	451	13.7	22	0.78	1.61	20	1110	1	0.63	70
905114	20	< 5	< 5	0.4	5.43	4	167	1	< 2	0.49	0.4	21	19	135	8.05	19	0.29	1.72	31	920	3	1.14	7
905115	32	< 5	< 5	0.3	5.56	5	423	2	< 2	0.52	< 0.3	20	21	248	7.67	19	0.65	1.53	28	846	3	0.94	6
905116	18	< 5	< 5	< 0.3	5.00	< 3	469	1	< 2	0.33	< 0.3	16	27	107	6.73	16	0.70	1.18	24	707	3	0.63	7
905117	70	6	5	< 0.3	4.67	7	167	< 1	< 2	0.25	< 0.3	21	16	126	7.49	19	0.26	1.59	22	759	2	0.72	10
905118	52	< 5	< 5	0.5	4.66	< 3	42	< 1	< 2	0.59	0.8	46	21	591	9.68	22	0.13	1.96	29	953	2	0.78	23
905119	58	6	< 5	< 0.3	4.76	4	77	1	< 2	0.49	< 0.3	25	22	301	8.09	16	0.17	1.59	33	864	2	0.79	12
905120	< 2	< 5	< 5	< 0.3	0.07	< 3	113	< 1	< 2	33.0	< 0.3	< 1	2	2	0.11	< 1	0.01	5.64	4	192	< 1	0.03	< 1
905121	109	< 5	< 5	0.6	6.67	< 3	247	< 1	< 2	0.68	2.0	44	18	650	14.7	27	0.74	3.02	56	1670	2	0.74	29
905122	306	< 5	< 5	4.1	8.04	< 3	300	< 1	3	2.38	8.6	54	24	2670	13.8	33	0.99	2.69	44	1680	2	1.17	41
905123	48	< 5	< 5	0.4	4.45	10	88	< 1	< 2	1.48	1.9	32	23	388	8.31	15	0.37	1.99	27	989	1	0.26	17
905124	80	< 5	< 5	1.4	8.80	7	143	< 1	2	3.61	1.9	58	18	761	17.2	34	0.64	4.36	62	2210	< 1	0.01	37
905125	36	< 5	< 5	0.5	7.33	< 3	229	< 1	< 2	1.85	10.8	71	33	458	19.5	31	0.99	4.81	51	2280	< 1	0.06	63
905126	20	< 5	< 5	0.5	7.04	3	246	< 1	< 2	2.11	5.0	66	39	350	18.8	30	0.98	4.38	49	2570	< 1	0.12	62
905127	3	15	20	0.3	7.52	4	167	< 1	3	5.11	0.3	57	21	129	14.6	24	0.62	3.55	29	2200	1	2.02	40
905128	4	18	21	0.4	6.33	< 3	174	< 1	< 2	5.82	0.3	49	12	199	12.1	20	0.53	2.67	15	1850	< 1	2.13	35
905129	6	17	22	0.4	6.28	3	181	< 1	< 2	5.38	< 0.3	48	16	206	11.5	19	0.54	2.57	15	1860	< 1	1.99	33
905130	7	16	22	0.5	5.84	3	160	< 1	< 2	5.36	< 0.3	47	13	184	11.6	19	0.50	2.55	15	1850	< 1	2.01	34
905131	4	18	23	0.4	6.64	< 3	116	< 1	< 2	5.21	< 0.3	46	13	196	11.1	19	0.39	2.60	15	1770	< 1	2.21	34
905132	5	20	22	0.3	6.38	< 3	67	< 1	< 2	5.20	0.3	51	15	127	11.9	20	0.32	2.98	18	1950	< 1	2.43	37
905133	4	16	22	0.3	6.62	< 3	50	< 1	< 2	5.23	< 0.3	48	11	133	12.0	20	0.27	2.71	16	1940	< 1	2.43	33
905134	8	16	23	0.4	6.25	4	47	< 1	< 2	5.28	< 0.3	47	12	229	11.4	19	0.27	2.41	11	1730	< 1	2.30	32
905135	35	16	20	0.8	6.79	4	134	< 1	< 2	5.02	1.8	51	12	714	13.0	22	0.61	2.81	22	1860	< 1	1.83	34
905136	110	< 5	< 5	1.8	8.52	< 3	238	< 1	< 2	3.26	34.4	66	17	1710	16.5	35	0.94	3.66	49	2240	1	0.64	32
905137	74	< 5	< 5	0.8	6.49	3	142	< 1	< 2	2.59	3.8	44	37	1080	13.7	28	0.54	3.06	36	1920	< 1	0.25	39
905138	96	28	12	1.2	5.84	< 3	102	< 1	2	1.36	4.3	47	27	1050	14.0	24	0.37	3.14	32	1870	3	0.22	43
905139	41	300	79	0.9	6.53	< 3	304	< 1	< 2	5.22	0.6	72	79	1880	11.2	16	1.03	4.12	23	1480	< 1	1.81	274
905140	143	1300	690	3.5	6.25	< 3	76	< 1	< 2	3.92	0.7	165	188	6320	13.4	13	0.61	3.85	12	1150	< 1	1.85	8230
905141	55	355	104	1.2	6.88	3	247	< 1	< 2	5.62	0.4	86	52	2710	11.8	20	0.82	3.84	20	1490	< 1	2.03	327
905142	60	379	101	1.3	7.51	< 3	126	< 1	< 2	4.83	0.4	90	117	2920	11.4	18	0.40	4.10	19	1560	9	2.57	348
905143	39	309	125	0.8	6.22	5	120	< 1	< 2	4.92	< 0.3	88	169	1550	12.2	19	0.36	4.32	20	1680	2	2.05	351
905144	23	168	39	0.6	6.71	5	188	< 1	< 2	5.11	< 0.3	63	120	1100	10.8	17	0.60	3.90	21	1500	< 1	2.34	219
905145	49	229	94	0.7	7.77	6	322	< 1	< 2	5.52	< 0.3	65	97	1550	10.8	16	0.94	4.02	23	1500	1	2.24	231
905146	23	129	52	0.5	7.13	4	350	< 1	< 2	6.99	< 0.3	66	62	1130	11.6	20	1.14	3.78	25	1620	< 1	1.48	156
905147	28	187	69	0.7	7.11	4	435	< 1	< 2	6.34	0.3	79	124	1480	12.6	19	1.48	3.84	31	1660	< 1	1.28	233
905148	39	254	75	0.9	7.05	4	295	< 1	< 2	4.99	< 0.3	87	67	2150	11.9	18	0.87	4.07	24	1570	< 1	2.20	281
905149	44	297	65	1.1	6.76	< 3	341	< 1	< 2	5.69	< 0.3	77	154	2170	11.4	19	1.13	4.10	32	1550	< 1	2.02	306
905150	< 2	< 5	< 5	< 0.3	0.06	< 3	19	< 1	< 2	34.2	< 0.3	< 1	5	5	0.12	< 1	< 0.01	4.50	3	169	< 1	0.03	< 1
905151	36	237	71	1.0	6.89	4	241	< 1	< 2	6.08	< 0.3	84	75	2030	11.6	19	0.71	4.11	22	1590	< 1	2.04	288
905152	54	430	121	1.3	6.95	5	255	< 1	< 2	6.07	0.4	90	83	3580	11.5	19	0.66	3.73	21	1450	< 1	2.25	351

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905153	27	169	42	0.6	6.93	6	423	< 1	< 2	6.56	< 0.3	80	41	1610	12.7	19	1.99	3.79	33	1640	< 1	1.35	198
905154	38	432	115	1.1	7.60	5	215	< 1	< 2	4.28	< 0.3	74	45	2790	10.1	17	0.65	3.34	24	1400	< 1	3.11	336
905155	36	276	85	0.9	8.37	3	121	< 1	< 2	7.81	0.4	30	21	2190	5.44	18	0.29	1.43	7	942	< 1	3.65	173
905156	106	410	127	1.7	6.68	< 3	148	< 1	< 2	4.43	0.8	98	81	4290	11.5	15	0.39	4.19	19	1590	< 1	2.77	388
905157	35	326	96	0.7	7.59	4	305	< 1	< 2	2.29	< 0.3	64	67	1380	9.58	14	0.98	3.72	37	1370	< 1	3.07	169
905158	37	265	79	0.8	8.10	< 3	317	< 1	< 2	4.13	< 0.3	79	51	1680	10.7	16	1.08	4.12	33	1470	< 1	2.38	282
905159	15	51	10	< 0.3	6.84	< 3	197	< 1	< 2	5.77	< 0.3	47	60	290	8.11	15	0.42	3.63	20	1430	< 1	2.61	107
905160	73	481	137	1.6	6.63	< 3	264	< 1	< 2	5.19	0.6	97	41	3820	12.3	17	0.87	4.07	23	1580	< 1	2.38	434
905161	90	501	145	1.8	6.50	< 3	267	< 1	< 2	5.10	0.7	121	58	4540	12.1	16	1.03	3.39	18	1400	< 1	2.46	540
905162	40	440	120	1.6	6.31	6	148	< 1	< 2	5.31	0.4	177	61	3540	14.2	17	1.07	3.85	23	1540	< 1	1.97	704
905163	23	185	67	0.6	7.61	3	480	< 1	< 2	4.98	< 0.3	62	53	1360	11.0	17	1.63	3.69	30	1500	< 1	2.24	208
905164	55	338	98	1.2	6.41	< 3	344	< 1	< 2	5.08	0.4	91	76	2860	11.9	16	1.29	3.82	24	1530	< 1	1.89	365
905165	57	545	146	1.5	6.12	3	159	< 1	< 2	5.41	0.7	111	65	3720	12.2	16	1.67	3.69	22	1460	< 1	1.52	507
905166	175	573	172	1.6	6.31	4	143	< 1	< 2	5.59	0.5	116	59	4030	12.9	16	1.78	3.87	24	1530	< 1	1.67	510
905167	85	634	207	2.2	6.59	6	115	< 1	< 2	5.77	1.0	125	85	5150	13.3	16	1.72	3.81	22	1500	< 1	1.50	587
905168	48	617	163	1.5	6.49	< 3	254	< 1	< 2	5.00	0.8	97	53	3060	11.7	15	0.85	4.20	26	1710	< 1	2.01	408

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199449	0.016	< 3	< 5	0.01	17	184	< 2	0.17	< 5	< 10	88	< 5	6	60	21
1199450	0.014	< 3	< 5	0.01	15	165	< 2	0.15	< 5	< 10	87	< 5	6	57	19
1199451	0.013	< 3	< 5	0.02	19	68	3	0.14	< 5	< 10	100	< 5	6	76	17
1199452	0.009	< 3	< 5	< 0.01	12	71	< 2	0.10	< 5	< 10	61	< 5	4	93	13
1199453	0.012	< 3	< 5	< 0.01	18	156	< 2	0.13	< 5	< 10	90	< 5	6	75	17
1199454	0.017	< 3	< 5	< 0.01	18	184	2	0.17	9	< 10	94	< 5	7	51	22
1199455	0.015	< 3	< 5	0.01	20	106	< 2	0.17	< 5	< 10	105	< 5	6	75	22
1199456	0.019	< 3	< 5	< 0.01	16	69	< 2	0.20	< 5	< 10	149	5	7	86	27
1199457	0.011	< 3	< 5	< 0.01	10	82	< 2	0.11	< 5	< 10	68	< 5	4	92	15
1199458	0.012	< 3	< 5	< 0.01	14	113	< 2	0.14	< 5	< 10	78	< 5	5	70	18
1199459	0.006	< 3	< 5	0.28	22	139	< 2	0.09	< 5	< 10	82	< 5	3	58	9
1199460	0.060	35	5	3.42	11	274	3	0.45	< 5	< 10	91	< 5	11	112	53
1199461	0.005	< 3	< 5	0.19	21	173	3	0.09	< 5	< 10	84	< 5	3	56	9
1199462	0.005	< 3	< 5	0.07	17	275	< 2	0.08	< 5	< 10	65	< 5	3	60	9
1199463	0.005	< 3	< 5	0.11	21	160	< 2	0.09	< 5	< 10	78	< 5	3	77	8
1199464	0.015	< 3	< 5	0.08	17	317	< 2	0.18	< 5	< 10	93	< 5	6	59	20
1199465	0.011	< 3	< 5	0.24	14	285	2	0.13	< 5	< 10	81	< 5	5	62	16
1199466	0.006	< 3	< 5	0.15	16	240	< 2	0.10	< 5	< 10	70	< 5	3	65	9
1199467	0.011	< 3	< 5	0.40	19	273	< 2	0.12	< 5	< 10	86	< 5	5	94	13
1199468	0.011	< 3	< 5	0.23	14	35	< 2	0.12	< 5	< 10	76	< 5	4	104	15
1199469	0.004	< 3	< 5	0.12	29	11	< 2	0.10	< 5	< 10	139	< 5	2	76	9
1199470	0.010	< 3	< 5	0.02	< 4	116	< 2	< 0.01	< 5	< 10	3	< 5	1	13	< 5
1199471	0.004	< 3	< 5	< 0.01	35	14	< 2	0.12	< 5	< 10	214	< 5	2	90	9
1199472	0.004	< 3	< 5	0.02	34	21	< 2	0.11	< 5	< 10	151	< 5	3	81	9
1199473	0.005	< 3	< 5	0.19	27	85	< 2	0.10	< 5	< 10	98	< 5	3	83	9
1199474	0.005	< 3	< 5	0.18	29	60	3	0.12	< 5	< 10	108	< 5	3	89	14
1199475	0.015	< 3	< 5	0.15	28	68	< 2	0.19	< 5	< 10	122	< 5	7	81	36
1199476	0.007	< 3	< 5	0.40	24	117	3	0.12	< 5	< 10	95	< 5	3	82	13
1199477	0.007	< 3	< 5	0.18	29	71	3	0.12	< 5	< 10	105	< 5	3	85	13
1199478	0.005	< 3	< 5	0.24	30	25	< 2	0.11	< 5	< 10	104	< 5	3	86	10
1199479	0.041	< 3	< 5	0.28	28	120	4	0.32	< 5	< 10	152	< 5	13	75	68
1199480	0.037	< 3	< 5	0.39	27	100	7	0.27	< 5	< 10	135	< 5	11	76	57
1199481	0.006	< 3	< 5	< 0.01	28	93	8	0.13	< 5	< 10	104	< 5	4	84	13
1199482	0.006	83	< 5	0.01	26	103	< 2	0.13	< 5	< 10	96	10	4	1030	36
1199483	0.008	< 3	< 5	0.06	31	63	< 2	0.17	< 5	< 10	111	< 5	6	104	57
1199484	0.005	< 3	< 5	0.26	30	46	< 2	0.13	< 5	< 10	98	< 5	4	94	31
1199485	0.005	< 3	< 5	0.22	29	86	< 2	0.11	< 5	< 10	99	< 5	3	96	12
1199486	0.007	< 3	< 5	0.21	28	92	< 2	0.12	< 5	< 10	102	< 5	4	88	14
1199487	0.005	< 3	< 5	0.02	27	117	4	0.11	< 5	< 10	95	< 5	3	85	12
1199488	0.006	< 3	< 5	0.04	28	91	< 2	0.11	< 5	< 10	97	< 5	3	84	11
1199489	0.011	< 3	< 5	0.05	30	61	< 2	0.15	< 5	< 10	110	< 5	6	91	21
1199490	0.062	42	< 5	3.27	12	288	2	0.52	< 5	< 10	99	< 5	11	117	59
1199491	0.009	8	< 5	0.43	25	47	< 2	0.19	< 5	< 10	100	< 5	13	108	64
1199492	0.009	< 3	< 5	0.05	26	65	< 2	0.17	< 5	< 10	102	< 5	10	101	35
1199493	0.007	< 3	< 5	0.21	31	27	< 2	0.14	< 5	< 10	114	< 5	8	94	19
1199494	0.007	< 3	< 5	0.06	31	28	7	0.14	< 5	< 10	113	< 5	7	94	16
1199495	0.008	< 3	< 5	0.16	28	33	< 2	0.15	< 5	< 10	106	< 5	6	102	19
1199496	0.005	< 3	< 5	0.08	33	10	< 2	0.13	< 5	< 10	114	< 5	5	93	11
1199497	0.004	< 3	< 5	0.09	32	9	< 2	0.12	< 5	< 10	111	< 5	4	99	12
1199498	0.003	< 3	< 5	0.17	33	8	< 2	0.12	< 5	< 10	115	< 5	4	87	9
1199499	0.004	< 3	< 5	0.03	35	11	4	0.14	< 5	< 10	129	< 5	7	69	12

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1199500	0.006	< 3	< 5	0.03	< 4	113	< 2	< 0.01	< 5	< 10	4	< 5	< 1	17	< 5
905001	0.005	< 3	< 5	0.18	37	12	3	0.15	< 5	< 10	132	< 5	11	74	13
905002	0.017	< 3	< 5	0.04	36	15	3	0.23	< 5	< 10	144	< 5	15	86	35
905003	0.005	< 3	< 5	0.04	29	14	3	0.13	< 5	< 10	108	< 5	4	103	10
905004	0.005	< 3	< 5	0.01	33	10	< 2	0.13	< 5	< 10	117	< 5	6	89	10
905005	0.006	< 3	< 5	0.02	33	15	3	0.16	< 5	< 10	125	< 5	7	85	22
905006	0.010	< 3	< 5	0.06	28	78	3	0.16	< 5	< 10	116	< 5	5	101	19
905007	0.007	< 3	< 5	< 0.01	29	25	< 2	0.13	< 5	< 10	112	< 5	5	96	15
905008	0.021	5	< 5	0.04	31	138	< 2	0.25	< 5	< 10	290	< 5	13	93	53
905009	0.017	5	< 5	0.04	30	138	10	0.31	< 5	< 10	279	< 5	11	90	46
905010	0.026	< 3	< 5	0.06	40	138	8	0.42	< 5	< 10	527	< 5	18	80	67
905011	0.015	< 3	< 5	0.03	38	13	5	0.28	< 5	< 10	333	< 5	12	90	39
905012	0.013	< 3	< 5	0.02	31	32	< 2	0.22	< 5	< 10	164	< 5	9	96	24
905013	0.013	< 3	< 5	0.03	27	125	< 2	0.20	< 5	< 10	121	< 5	7	98	24
905014	0.008	4	< 5	0.06	27	75	< 2	0.15	< 5	< 10	100	< 5	8	101	23
905015	0.005	< 3	< 5	< 0.01	25	15	4	0.24	< 5	< 10	81	< 5	21	120	70
905016	0.008	< 3	< 5	< 0.01	31	33	< 2	0.16	< 5	< 10	116	< 5	8	111	23
905017	0.011	< 3	< 5	< 0.01	31	25	< 2	0.21	< 5	< 10	127	< 5	21	116	46
905018	0.010	< 3	< 5	< 0.01	26	28	< 2	0.22	< 5	< 10	100	< 5	39	126	67
905019	0.009	< 3	< 5	0.02	23	15	< 2	0.24	< 5	< 10	92	< 5	40	126	102
905020	0.059	38	< 5	3.32	11	270	< 2	0.41	< 5	< 10	87	< 5	11	111	55
905021	0.013	< 3	< 5	0.01	28	19	< 2	0.26	< 5	< 10	121	< 5	24	129	95
905022	0.008	< 3	< 5	0.02	21	55	< 2	0.43	< 5	< 10	119	< 5	30	140	86
905023	0.006	< 3	< 5	< 0.01	21	102	< 2	0.27	< 5	< 10	81	< 5	29	135	67
905024	0.004	4	< 5	0.03	18	293	10	0.25	< 5	< 10	129	< 5	11	105	18
905025	0.005	7	< 5	0.09	18	375	< 2	0.20	< 5	< 10	123	< 5	6	75	5
905026	0.004	9	< 5	0.05	18	470	< 2	0.17	< 5	< 10	134	< 5	4	85	< 5
905027	0.012	< 3	< 5	0.04	22	300	< 2	0.39	< 5	< 10	143	< 5	13	99	26
905028	0.008	< 3	< 5	0.14	15	429	< 2	0.29	< 5	< 10	156	< 5	2	72	6
905029	0.007	3	< 5	0.24	18	374	< 2	0.24	< 5	< 10	125	< 5	2	81	< 5
905030	0.005	< 3	< 5	0.02	< 4	113	< 2	< 0.01	< 5	< 10	3	< 5	< 1	9	< 5
905031	0.012	9	< 5	0.11	13	446	3	0.28	< 5	< 10	113	< 5	2	72	5
905032	0.010	< 3	< 5	0.02	22	291	< 2	0.26	< 5	< 10	156	< 5	3	124	< 5
905033	0.004	< 3	< 5	0.01	37	18	< 2	0.25	< 5	< 10	184	< 5	9	170	21
905034	0.006	3	< 5	0.15	39	11	5	0.34	< 5	< 10	198	< 5	9	127	26
905035	0.002	< 3	< 5	0.16	23	9	8	0.49	< 5	< 10	164	< 5	5	148	10
905036	< 0.001	< 3	< 5	0.03	26	12	< 2	0.36	< 5	< 10	112	< 5	3	156	6
905037	< 0.001	< 3	< 5	0.01	26	79	< 2	0.20	< 5	< 10	90	< 5	3	157	5
905038	0.002	< 3	< 5	0.01	32	211	< 2	0.23	< 5	< 10	92	< 5	5	160	< 5
905039	0.014	< 3	< 5	0.02	23	113	< 2	0.17	< 5	< 10	114	< 5	7	98	23
905040	0.017	< 3	< 5	< 0.01	19	184	10	0.20	< 5	< 10	120	< 5	8	74	25
905041	0.016	< 3	< 5	< 0.01	26	273	< 2	0.18	< 5	< 10	117	< 5	8	61	24
905042	0.010	< 3	< 5	0.01	20	154	3	0.14	< 5	< 10	95	< 5	5	80	14
905043	0.012	< 3	< 5	< 0.01	22	187	< 2	0.16	< 5	< 10	107	< 5	7	69	17
905044	0.014	< 3	< 5	0.01	19	89	2	0.18	< 5	< 10	112	< 5	8	80	23
905045	0.016	< 3	< 5	< 0.01	22	151	< 2	0.16	< 5	< 10	108	< 5	7	70	23
905046	0.016	< 3	< 5	< 0.01	22	243	< 2	0.23	< 5	< 10	122	< 5	8	64	28
905047	0.015	< 3	< 5	0.01	19	238	< 2	0.17	< 5	< 10	99	< 5	6	60	22
905048	0.011	< 3	< 5	0.08	16	163	4	0.12	< 5	< 10	75	< 5	4	77	14
905049	0.011	26	< 5	0.11	9	34	< 2	0.09	< 5	< 10	59	< 5	4	196	14
905050	0.058	43	< 5	3.19	11	281	3	0.33	< 5	< 10	84	< 5	11	115	55

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905051	0.010	< 3	< 5	0.27	12	62	< 2	0.10	< 5	< 10	66	< 5	4	122	14
905052	0.015	< 3	< 5	0.10	17	141	< 2	0.15	< 5	< 10	101	< 5	5	91	16
905053	0.009	< 3	< 5	0.07	25	16	< 2	0.12	< 5	< 10	101	< 5	4	100	13
905054	0.007	< 3	< 5	0.08	24	44	2	0.10	< 5	< 10	96	< 5	3	80	11
905055	0.005	< 3	< 5	0.75	22	97	< 2	0.10	< 5	< 10	87	< 5	3	97	9
905056	0.007	< 3	< 5	0.51	28	51	< 2	0.13	< 5	< 10	113	< 5	4	85	13
905057	0.006	< 3	< 5	0.37	27	40	< 2	0.10	< 5	< 10	107	< 5	3	100	10
905058	0.009	< 3	< 5	0.27	23	86	< 2	0.11	< 5	< 10	95	< 5	3	82	12
905059	0.004	< 3	< 5	0.42	28	189	2	0.08	< 5	< 10	96	< 5	3	80	7
905060	0.005	< 3	< 5	< 0.01	< 4	107	< 2	< 0.01	< 5	< 10	3	< 5	1	6	< 5
905061	0.004	< 3	< 5	0.21	19	240	< 2	0.08	< 5	< 10	83	< 5	2	88	6
905062	0.006	< 3	< 5	0.52	19	318	< 2	0.09	< 5	< 10	82	< 5	2	68	6
905063	0.004	< 3	< 5	0.24	25	288	< 2	0.10	< 5	< 10	76	< 5	3	82	7
905064	0.007	< 3	< 5	0.31	38	133	< 2	0.14	< 5	< 10	106	< 5	5	89	13
905065	0.004	< 3	< 5	0.16	18	297	2	0.09	< 5	< 10	65	< 5	2	69	7
905066	0.006	< 3	< 5	0.27	22	173	< 2	0.13	< 5	< 10	89	< 5	3	93	11
905067	0.005	< 3	< 5	0.40	22	134	< 2	0.12	< 5	< 10	91	< 5	3	98	9
905068	0.006	< 3	< 5	0.37	21	211	< 2	0.11	< 5	< 10	81	< 5	3	88	8
905069	0.007	< 3	< 5	0.30	22	216	< 2	0.13	< 5	< 10	90	< 5	4	88	13
905070	0.009	< 3	< 5	0.73	27	122	< 2	0.16	< 5	< 10	110	< 5	6	108	16
905071	0.011	< 3	< 5	0.64	27	125	< 2	0.17	< 5	< 10	114	< 5	6	111	20
905072	0.017	< 3	< 5	0.38	27	85	< 2	0.32	< 5	< 10	178	< 5	7	111	27
905073	0.002	< 3	< 5	0.07	14	353	< 2	0.08	< 5	< 10	85	< 5	2	68	5
905074	0.005	< 3	< 5	0.18	24	115	< 2	0.13	< 5	< 10	96	< 5	6	126	21
905075	0.014	5	< 5	0.32	26	100	< 2	0.21	< 5	< 10	130	< 5	8	159	26
905076	0.012	< 3	< 5	0.08	29	72	< 2	0.20	< 5	< 10	132	< 5	7	135	22
905077	0.011	< 3	< 5	0.31	24	127	< 2	0.17	< 5	< 10	112	< 5	6	120	19
905078	0.016	< 3	< 5	0.15	25	140	6	0.22	< 5	< 10	130	< 5	9	135	24
905079	0.007	< 3	< 5	0.34	25	214	4	0.28	< 5	< 10	202	< 5	6	141	14
905080	0.062	34	< 5	3.10	11	259	< 2	0.52	< 5	< 10	100	< 5	11	106	59
905081	0.007	< 3	< 5	0.02	31	120	< 2	0.16	< 5	< 10	118	< 5	6	168	15
905082	0.011	< 3	< 5	0.11	38	9	< 2	0.23	< 5	< 10	151	< 5	9	165	24
905083	0.012	< 3	< 5	0.43	34	9	< 2	0.23	< 5	< 10	149	< 5	11	187	28
905084	0.013	< 3	< 5	0.42	29	28	4	0.18	< 5	< 10	109	< 5	13	203	32
905085	0.036	< 3	< 5	0.19	34	8	< 2	0.34	< 5	< 10	156	< 5	28	184	66
905086	0.023	< 3	< 5	0.22	30	31	2	0.32	< 5	< 10	170	< 5	20	220	56
905087	0.021	< 3	< 5	0.10	31	31	7	0.32	< 5	< 10	177	< 5	17	248	48
905088	0.024	< 3	< 5	0.13	30	12	3	0.47	< 5	< 10	310	< 5	19	251	58
905089	0.019	< 3	< 5	0.42	29	31	< 2	0.30	< 5	< 10	167	< 5	10	286	31
905090	0.006	< 3	< 5	0.19	< 4	98	< 2	< 0.01	< 5	< 10	< 2	8	2	5	< 5
905091	0.026	< 3	< 5	0.12	38	6	< 2	0.38	< 5	< 10	178	< 5	21	227	60
905092	0.057	< 3	< 5	0.10	29	99	6	0.42	< 5	< 10	174	< 5	38	228	116
905093	0.030	< 3	< 5	< 0.01	18	114	< 2	0.18	< 5	< 10	88	< 5	35	168	74
905094	0.007	< 3	< 5	0.07	13	157	< 2	0.19	< 5	< 10	43	< 5	27	175	43
905095	0.004	< 3	< 5	0.02	9	55	< 2	0.11	< 5	< 10	7	< 5	42	161	68
905096	0.004	< 3	< 5	0.02	10	40	< 2	0.10	< 5	< 10	6	< 5	46	184	69
905097	0.008	< 3	< 5	< 0.01	13	40	< 2	0.18	< 5	< 10	38	< 5	45	420	74
905098	0.021	< 3	< 5	0.02	11	32	< 2	0.18	< 5	< 10	11	< 5	55	399	64
905099	0.015	< 3	< 5	0.02	11	23	< 2	0.18	< 5	< 10	35	5	49	468	57
905100	0.013	< 3	< 5	0.02	10	21	< 2	0.19	< 5	< 10	34	< 5	46	440	57
905101	0.005	< 3	< 5	< 0.01	29	38	< 2	0.43	< 5	< 10	246	10	21	954	24

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905102	0.008	< 3	< 5	0.04	18	47	< 2	0.37	< 5	< 10	157	11	35	1090	47
905103	0.011	< 3	< 5	0.37	23	32	< 2	0.34	< 5	< 10	69	< 5	54	6620	61
905104	0.005	< 3	< 5	0.02	29	31	< 2	0.32	< 5	< 10	174	11	51	1130	51
905105	0.010	< 3	< 5	0.01	12	22	< 2	0.20	< 5	< 10	12	6	53	613	98
905106	0.010	< 3	< 5	0.01	12	20	< 2	0.20	< 5	< 10	9	7	54	591	98
905107	0.016	< 3	< 5	0.05	12	32	< 2	0.26	< 5	< 10	16	9	44	950	68
905108	0.012	< 3	< 5	0.05	12	38	< 2	0.26	< 5	< 10	12	< 5	35	460	98
905109	0.008	< 3	< 5	0.05	11	60	< 2	0.26	< 5	< 10	11	< 5	49	450	124
905110	0.060	44	< 5	3.19	11	284	3	0.41	< 5	< 10	87	< 5	11	114	55
905111	0.012	< 3	< 5	0.05	11	53	< 2	0.26	< 5	< 10	18	9	56	844	114
905112	0.026	< 3	< 5	0.09	10	49	< 2	0.25	< 5	< 10	15	10	53	800	70
905113	0.023	5	< 5	1.23	20	32	6	0.73	< 5	< 10	186	< 5	49	2170	39
905114	0.022	< 3	< 5	0.07	11	56	< 2	0.31	< 5	< 10	13	7	41	632	82
905115	0.019	< 3	< 5	0.12	9	58	3	0.33	< 5	< 10	10	< 5	41	489	80
905116	0.013	< 3	< 5	0.06	8	35	2	0.26	< 5	< 10	13	< 5	30	389	79
905117	0.016	4	< 5	0.20	15	20	2	0.29	< 5	< 10	84	< 5	42	472	71
905118	0.051	4	< 5	0.54	17	11	7	0.31	< 5	< 10	126	8	79	901	75
905119	0.018	< 3	< 5	0.08	11	40	< 2	0.30	< 5	< 10	66	6	43	587	67
905120	0.006	< 3	< 5	< 0.01	< 4	97	< 2	< 0.01	< 5	< 10	< 2	< 5	1	6	< 5
905121	0.015	< 3	< 5	0.15	30	49	< 2	0.53	< 5	< 10	167	11	42	1200	80
905122	0.011	5	< 5	0.67	36	152	< 2	0.56	< 5	< 10	224	< 5	64	3140	121
905123	0.022	< 3	< 5	0.23	15	124	8	0.39	< 5	< 10	119	11	32	1000	36
905124	0.017	< 3	< 5	0.18	32	201	5	0.86	< 5	< 10	291	10	28	1290	78
905125	0.043	< 3	< 5	0.35	57	29	6	0.73	< 5	< 10	485	9	23	3900	15
905126	0.015	< 3	< 5	0.22	57	38	6	0.77	< 5	< 10	482	13	17	2000	11
905127	0.073	4	< 5	0.15	46	143	7	1.00	< 5	< 10	445	< 5	31	253	61
905128	0.068	6	< 5	0.10	37	169	4	0.52	< 5	< 10	287	< 5	31	334	83
905129	0.061	5	< 5	0.08	36	159	3	0.42	< 5	< 10	260	< 5	29	393	70
905130	0.064	3	< 5	0.07	33	158	< 2	0.31	< 5	< 10	266	< 5	27	359	70
905131	0.056	5	< 5	0.08	39	154	< 2	0.24	< 5	< 10	236	6	29	403	66
905132	0.062	4	< 5	0.06	36	138	< 2	0.46	< 5	< 10	266	< 5	28	419	83
905133	0.070	3	< 5	0.05	38	141	3	0.53	< 5	< 10	280	< 5	31	375	81
905134	0.073	< 3	< 5	0.11	36	148	9	0.55	< 5	< 10	288	< 5	31	398	88
905135	0.064	< 3	< 5	0.16	36	154	< 2	0.76	< 5	< 10	326	10	30	940	82
905136	0.010	< 3	< 5	0.79	37	197	3	0.76	< 5	< 10	304	8	34	9690	77
905137	0.032	< 3	< 5	0.24	37	140	< 2	0.46	< 5	< 10	232	< 5	59	1970	28
905138	0.020	< 3	< 5	0.30	36	71	4	0.68	< 5	< 10	262	< 5	55	2100	67
905139	0.043	25	< 5	0.66	28	125	< 2	0.36	< 5	< 10	209	< 5	19	176	55
905140	0.057	43	< 5	3.13	11	279	< 2	0.30	< 5	< 10	75	< 5	11	111	55
905141	0.055	< 3	< 5	1.05	27	156	< 2	0.57	< 5	< 10	224	< 5	20	110	69
905142	0.055	< 3	< 5	0.90	34	90	< 2	0.57	< 5	< 10	243	< 5	21	112	70
905143	0.049	< 3	< 5	0.97	25	77	< 2	0.50	< 5	< 10	202	< 5	18	105	65
905144	0.048	< 3	< 5	0.47	30	114	2	0.55	< 5	< 10	250	< 5	20	91	60
905145	0.053	< 3	< 5	0.52	36	152	< 2	0.54	< 5	< 10	240	< 5	23	95	59
905146	0.025	5	< 5	0.50	37	186	< 2	0.39	< 5	< 10	296	< 5	16	89	27
905147	0.029	3	< 5	0.68	33	169	< 2	0.61	< 5	< 10	330	< 5	15	96	32
905148	0.044	< 3	< 5	1.00	28	120	3	0.50	< 5	< 10	236	< 5	17	107	44
905149	0.053	< 3	< 5	0.84	28	127	< 2	0.49	< 5	< 10	233	< 5	21	106	55
905150	0.007	< 3	< 5	< 0.01	< 4	84	< 2	< 0.01	< 5	< 10	2	< 5	1	10	< 5
905151	0.053	< 3	< 5	1.01	31	152	< 2	0.51	< 5	< 10	257	< 5	20	104	50
905152	0.042	6	< 5	1.37	29	184	< 2	0.28	< 5	< 10	209	< 5	19	115	51

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905153	0.025	3	< 5	0.77	36	186	2	0.47	< 5	< 10	322	< 5	16	102	33
905154	0.034	< 3	< 5	0.82	22	134	< 2	0.46	< 5	< 10	204	< 5	19	111	44
905155	0.015	21	< 5	0.40	8	220	< 2	0.15	< 5	< 10	73	< 5	7	68	20
905156	0.043	< 3	< 5	1.45	28	74	< 2	0.52	< 5	< 10	297	< 5	19	163	53
905157	0.044	< 3	< 5	0.43	25	61	< 2	0.43	< 5	< 10	196	< 5	20	113	60
905158	0.048	< 3	< 5	0.81	37	117	< 2	0.51	< 5	< 10	281	< 5	23	109	56
905159	0.026	5	< 5	0.13	31	183	4	0.34	< 5	< 10	190	< 5	13	75	36
905160	0.053	7	< 5	1.21	30	123	< 2	0.47	< 5	< 10	234	< 5	21	127	67
905161	0.051	7	< 5	1.71	28	148	< 2	0.50	< 5	< 10	239	5	20	117	63
905162	0.036	4	< 5	2.46	29	140	< 2	0.49	< 5	< 10	270	< 5	16	115	42
905163	0.046	< 3	< 5	0.35	36	135	< 2	0.63	< 5	< 10	282	< 5	20	97	53
905164	0.041	< 3	< 5	1.19	31	123	< 2	0.50	< 5	< 10	249	< 5	17	107	45
905165	0.044	9	< 5	1.60	28	147	3	0.49	< 5	< 10	241	< 5	18	111	50
905166	0.048	7	< 5	1.59	29	156	3	0.53	< 5	< 10	244	< 5	19	118	56
905167	0.047	< 3	< 5	2.03	32	158	< 2	0.43	< 5	< 10	244	< 5	20	135	55
905168	0.038	4	< 5	0.97	28	114	< 2	0.43	< 5	< 10	216	< 5	15	138	42

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						7						150	148	320	9.85								6340
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						8						144	138	302	9.24								6200
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												44		389	10.3		2.26	1.17		925	19		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												47		427	10.9		2.47	1.25		1000	20		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				41.2					37			120		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 98 (4 Acid) Meas				41.3					29			124		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000.0									
OREAS 13b (4-Acid) Meas				0.9		43						75	8910	2480							9		2190
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.5	6.64	94	206	8	3	0.05		95	46	6430	7.03	17	3.33	0.59	16	457	3	0.04	45
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.58	98	213	8	< 2	0.05		93	57	6080	6.81	16	3.53	0.57	16	428	3	0.04	44
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.41	5	194	< 1	< 2	0.20		30	438	388	14.8	23	0.43	0.25	22	530	< 1	0.10	243
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.03	9	187	< 1	< 2	0.19		30	501	365	14.2	22	0.41	0.24	22	517	2	0.10	236
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4800	1950	1260																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4810	1970	1270																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4840	2080	1360																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4990	2050	1290																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.7					9			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				12.0					18			52		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				2.2	7.54	12	443	2	14	0.50	0.4	24	66	4500	6.73	19	2.61	1.78	32	1030	1	0.33	39
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				1.9	7.61	7	400	2	11	0.50	0.4	23	74	4410	6.54	20	2.27	1.74	31	1030	< 1	0.32	39
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				73.5	5.99	80		1	< 2	2.09	285	31	35	3790	3.82	25	2.31	0.53	15	543	14	1.39	30
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1710	1530	215																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2010	1750	238																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2040	1670	245																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1810	1710	226																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2050	1640	234																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2090	1720	217																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	2040	1730	230																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1960	1630	238																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1910	1740	223																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 77b (4 Acid) Meas				1.5	1.64	1350	10	< 1	< 2	2.72	0.9	1430	215	3170	27.1	6	0.31	2.44	17	616		0.41	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.5	1.65	1320	9	< 1	3	2.72	1.0	1420	208	3150	27.0	6	0.32	2.44	17	613		0.41	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	7.59		410	1	< 2	5.75		50	1190	265	7.76	16	1.39	5.13	14	1330	1	1.69	468
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.53		412	1	< 2	5.59		47	1290	255	7.37	16	1.34	4.87	13	1280	1	1.61	454
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 147 (4 Acid) Meas					5.38	18	> 1000	30	9	1.22		7	50	317	3.40	24	1.71	0.57	2300	423	4	1.02	24
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.22	18	> 1000	31	7	1.18		7	48	290	3.20	23	1.66	0.55	2170	410	4	0.98	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.0	4.55	251		< 1	< 2	3.66		363	33	5730	19.6	17	2.76	1.11	16	3060	115	0.96	66
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				0.3	3.70	150	193	< 1	< 2	2.92	0.5	76		50	5.59	8	0.62	13.0	35	1160	3	0.81	2070
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
1199462 Orig				< 0.3	9.91	< 3	199	< 1	< 2	4.65	< 0.3	42	65	568	4.77	15	1.18	5.45	49	815	< 1	2.28	197
1199462 Dup				< 0.3	9.90	4	206	< 1	< 2	4.82	< 0.3	43	63	600	5.03	16	1.25	5.69	52	851	< 1	2.39	204
1199468 Orig	110	2280	669																				
1199468 Dup	113	2200	672																				
1199472 Orig				< 0.3	5.16	< 3	15	< 1	< 2	4.58	< 0.3	68	170	129	8.33	9	0.07	9.67	41	1530	< 1	0.21	171
1199472 Dup				< 0.3	5.04	< 3	14	< 1	< 2	4.50	< 0.3	66	124	124	8.11	9	0.07	9.44	40	1490	< 1	0.20	167
1199478 Orig	216	2290	681																				
1199478 Dup	206	2320	674																				
1199483 Orig				0.4	6.99	4	80	< 1	< 2	3.11	< 0.3	69	51	497	8.92	15	0.27	8.74	50	1460	< 1	0.80	271
1199483 Dup				0.4	6.96	< 3	79	< 1	< 2	3.06	< 0.3	67	48	499	8.85	15	0.27	8.65	50	1410	< 1	0.79	266
1199488 Orig	13	195	94																				
1199488 Dup	16	193	93																				
1199496 Orig				< 0.3	3.78	< 3	9	< 1	< 2	5.02	< 0.3	72	76	694	9.76	7	0.08	9.35	28	1750	< 1	0.15	352
1199496 Dup				< 0.3	3.77	< 3	9	< 1	< 2	4.98	< 0.3	71	75	686	9.62	8	0.08	9.22	28	1740	< 1	0.15	350
1199498 Orig	124	1680	538	0.5	4.52	5	< 7	< 1	< 2	4.34	< 0.3	86	66	1460	10.5	10	0.02	9.95	23	1670	< 1	0.10	464
1199498 Split PREP DUP	138	1620	468	0.5	4.24	< 3	< 7	< 1	< 2	4.23	0.5	88	78	1460	10.1	8	0.02	9.57	21	1610	< 1	0.10	441
1199499 Orig	57	1210	477																				
1199499 Dup	58	1170	443																				
905007 Orig	5	57	48																				
905007 Dup	7	58	46																				
905013 Orig				< 0.3	6.58	< 3	197	< 1	< 2	3.76	< 0.3	66	55	199	8.98	14	0.66	7.01	37	1360	< 1	1.13	155
905013 Dup				< 0.3	6.62	7	198	< 1	< 2	3.79	< 0.3	66	58	204	9.07	13	0.66	7.09	38	1380	< 1	1.14	155

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905025 Orig				< 0.3	10.5	5	301	< 1	< 2	4.26	< 0.3	29	108	403	5.92	22	1.17	4.20	36	722	< 1	2.46	121
905025 Dup				< 0.3	10.8	7	307	< 1	< 2	4.27	< 0.3	30	111	398	5.93	21	1.17	4.20	37	722	< 1	2.46	121
905027 Orig	< 2	< 5	< 5																				
905027 Dup	< 2	< 5	< 5																				
905037 Orig	< 2	< 5	< 5																				
905037 Dup	< 2	< 5	< 5																				
905041 Orig				< 0.3	10.5	< 3	119	< 1	< 2	6.50	< 0.3	44	79	51	6.61	17	0.54	4.10	22	1060	< 1	2.49	141
905041 Dup				< 0.3	9.48	9	119	< 1	< 2	6.46	< 0.3	44	79	50	6.50	15	0.53	4.01	21	1050	< 1	2.50	142
905047 Orig	< 2	11	29																				
905047 Dup	< 2	12	32																				
905048 Orig	30	659	220	< 0.3	8.38	3	81	< 1	< 2	4.99	< 0.3	66	37	534	7.76	14	0.20	5.49	27	1100	< 1	1.74	353
905048 Split PREP DUP	32	679	247	< 0.3	7.91	5	73	< 1	< 2	4.78	< 0.3	64	38	503	7.47	14	0.18	5.28	26	1060	< 1	1.67	343
905051 Orig				0.7	6.27	4	30	< 1	< 2	3.88	0.6	101	87	2110	10.8	12	0.13	7.98	35	1430	< 1	0.60	765
905051 Dup				0.8	6.33	< 3	30	< 1	< 2	3.83	0.4	99	56	2080	10.7	14	0.13	7.86	34	1440	< 1	0.59	760
905056 Orig	56	790	160																				
905056 Dup	73	822	171																				
905066 Orig	70	546	158																				
905066 Dup	59	520	145																				
905068 Orig				< 0.3	8.41	< 3	65	< 1	< 2	5.12	< 0.3	64	198	488	7.40	16	0.28	6.32	32	1270	< 1	1.56	306
905068 Dup				0.3	8.40	3	65	< 1	< 2	5.12	< 0.3	64	210	504	7.41	15	0.28	6.33	32	1280	< 1	1.57	306
905076 Orig	18	74	44																				
905076 Dup	15	75	45																				
905082 Orig				0.5	3.16	< 3	8	< 1	< 2	5.32	0.3	81	113	537	11.1	8	0.05	8.86	22	2080	< 1	0.15	180
905082 Dup				0.5	3.14	4	8	< 1	< 2	5.29	< 0.3	80	96	536	10.9	9	0.05	8.77	21	2070	< 1	0.15	179
905096 Orig	5	< 5	< 5																				
905096 Dup	6	< 5	< 5																				
905098 Orig	22	66	30	< 0.3	5.30	< 3	406	1	< 2	0.34	< 0.3	16	20	81	5.56	16	0.74	1.59	28	679	3	0.80	8
905098 Split PREP DUP	15	47	15	< 0.3	5.33	< 3	394	1	< 2	0.35	< 0.3	16	22	68	5.59	16	0.70	1.61	28	684	4	0.81	8
905105 Orig	< 2	< 5	< 5	< 0.3	5.53	< 3	486	1	< 2	0.23	0.4	18	28	10	6.34	18	0.88	1.93	34	724	2	0.55	3
905105 Dup	< 2	< 5	< 5	< 0.3	5.43	< 3	469	< 1	< 2	0.23	0.4	17	30	10	6.20	17	0.86	1.89	33	725	2	0.54	2
905107 Orig				< 0.3	5.68	< 3	568	1	< 2	0.33	1.6	16	29	55	6.71	18	1.02	1.46	29	802	2	0.68	7
905107 Dup				< 0.3	5.47	3	549	1	< 2	0.32	1.4	15	24	53	6.51	18	0.98	1.41	28	777	2	0.66	4
905115 Orig	33	< 5	< 5																				
905115 Dup	31	< 5	< 5																				
905125 Orig	32	< 5	< 5	0.5	7.36	4	230	< 1	< 2	1.87	11.0	72	33	471	19.8	30	1.00	4.87	52	2300	< 1	0.07	64
905125 Dup	39	< 5	< 5	0.6	7.30	< 3	227	< 1	2	1.83	10.7	70	33	445	19.2	31	0.97	4.76	50	2260	< 1	0.06	61
905135 Orig	34	16	20																				
905135 Dup	36	16	19																				
905140 Orig				3.1	6.11	3	83	< 1	< 2	3.82	0.6	160	188	6060	12.9	13	0.58	3.75	12	1110	< 1	1.77	7910
905140 Dup				4.0	6.39	< 3	68	< 1	< 2	4.02	0.8	170	187	6570	13.9	14	0.63	3.95	13	1180	< 1	1.92	8540
905145 Orig	45	224	77																				
905145 Dup	53	234	111																				
905148 Orig	39	254	75	0.9	7.05	4	295	< 1	< 2	4.99	< 0.3	87	67	2150	11.9	18	0.87	4.07	24	1570	< 1	2.20	281
905148 Split PREP DUP	49	263	76	0.8	6.73	3	279	< 1	< 2	4.79	< 0.3	84	62	2110	11.3	17	0.84	3.90	23	1520	< 1	2.10	271
905154 Orig				1.1	7.66	5	217	< 1	< 2	4.33	0.5	74	46	2820	10.3	17	0.66	3.39	24	1420	< 1	3.16	340
905154 Dup				1.1	7.55	4	214	< 1	< 2	4.23	< 0.3	73	45	2760	9.95	17	0.65	3.28	24	1380	< 1	3.06	332
905164 Orig	52	337	101																				
905164 Dup	58	338	96																				
905167 Orig				2.2	6.94	3	110	< 1	< 2	5.76	1.1	123	94	5150	13.3	16	1.74	3.85	22	1510	< 1	1.50	583

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905167 Dup				2.3	6.23	8	120	< 1	< 2	5.79	0.9	127	76	5160	13.3	16	1.70	3.76	22	1500	< 1	1.49	590
905168 Orig	48	617	163	1.5	6.49	< 3	254	< 1	< 2	5.00	0.8	97	53	3060	11.7	15	0.85	4.20	26	1710	< 1	2.01	408
905168 Split PREP DUP	72	604	166	1.5	6.36	< 3	254	< 1	< 2	4.99	0.7	101	55	3060	11.7	15	0.87	4.17	26	1700	< 1	1.99	411
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	9	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	3	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
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Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	2	< 5	< 5																				
Method Blank	4	< 5	< 5																				
Method Blank	3	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.65											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.66											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.108	19						0.36		370	76		130		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.119	21						0.37		400	78		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		306	< 5	14.5										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		315	< 5	14.6										1350	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.18										119	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.101	8	< 5	0.06	12	31			< 5	< 10	83	< 5	35	29	13
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.099	10	< 5	0.07	12	29			< 5	< 10	84	< 5	35	28	15
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.038	20	< 5	0.04	54	33		0.10	< 5	< 10	83	< 5	13	51	42
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.037	20	< 5	0.05	52	33		0.36	< 5	< 10	140	< 5	12	48	95
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		93	< 5	4.37										464	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		97	< 5	4.39										466	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.068	85	< 5	0.73	13	46		0.43	< 5	< 10	93	8	27	366	124
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.069	87	< 5	0.74	13	45		0.42	< 5	< 10	95	8	27	359	126
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.038	> 5000	15	4.88	5	66		0.19	< 5	< 10	35	< 5	12	> 10000	145
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
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CDN-PGMS-30 Cert															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 77b (4 Acid) Meas		61	18		< 4	31	3	0.06	7	< 10	32	8	8	177	41
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		69	28		< 4	32	4	0.06	< 5	< 10	33	8	8	177	38
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.135	6	< 5	0.10	26	463		0.59		< 10	235	< 5	17	79	60
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.139	5	< 5	0.10	26	438		0.56		< 10	235	< 5	17	76	59
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 147 (4 Acid) Meas	0.126	26	30	0.03	11	317		0.25	10	< 10	46		29	151	53
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.097	26	9	0.03	11	298		0.25	12	< 10	51		28	152	23
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.077	8	< 5	1.66	13	73	4	0.37	< 5	30	193	17	18	23	110
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.022	18	< 5	0.29	11	73		0.18	< 5	< 10	63	5	9	102	59
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
1199462 Orig	0.005	< 3	< 5	0.07	17	268	< 2	0.08	< 5	< 10	64	< 5	3	59	9
1199462 Dup	0.005	< 3	< 5	0.07	17	282	4	0.08	< 5	< 10	66	< 5	3	62	10
1199468 Orig															
1199468 Dup															
1199472 Orig	0.004	< 3	< 5	0.02	34	22	< 2	0.12	< 5	< 10	153	< 5	3	80	9
1199472 Dup	0.004	< 3	< 5	0.02	34	21	< 2	0.11	< 5	< 10	149	< 5	3	82	8
1199478 Orig															
1199478 Dup															
1199483 Orig	0.009	< 3	< 5	0.06	31	63	< 2	0.17	< 5	< 10	111	< 5	7	100	57
1199483 Dup	0.008	< 3	< 5	0.06	31	63	5	0.17	< 5	< 10	110	< 5	6	109	57
1199488 Orig															
1199488 Dup															
1199496 Orig	0.005	< 3	< 5	0.08	33	10	< 2	0.13	< 5	< 10	114	< 5	5	93	11
1199496 Dup	0.005	< 3	< 5	0.08	33	10	< 2	0.13	< 5	< 10	114	< 5	5	93	11
1199498 Orig	0.003	< 3	< 5	0.17	33	8	< 2	0.12	< 5	< 10	115	< 5	4	87	9
1199498 Split PREP DUP	0.003	< 3	< 5	0.16	32	8	< 2	0.12	< 5	< 10	110	< 5	4	84	9
1199499 Orig															
1199499 Dup															
905007 Orig															
905007 Dup															
905013 Orig	0.013	< 3	< 5	0.03	27	126	< 2	0.20	< 5	< 10	120	< 5	7	98	24
905013 Dup	0.013	< 3	< 5	0.03	27	123	< 2	0.20	< 5	< 10	122	< 5	7	99	23

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905025 Orig	0.005	9	< 5	0.09	18	375	3	0.20	< 5	< 10	122	< 5	5	74	5
905025 Dup	0.005	6	< 5	0.10	18	375	< 2	0.20	< 5	< 10	124	< 5	6	76	5
905027 Orig															
905027 Dup															
905037 Orig															
905037 Dup															
905041 Orig	0.016	< 3	< 5	< 0.01	27	275	< 2	0.18	< 5	< 10	117	< 5	8	60	26
905041 Dup	0.016	< 3	< 5	< 0.01	25	271	< 2	0.17	< 5	< 10	116	< 5	8	63	22
905047 Orig															
905047 Dup															
905048 Orig	0.011	< 3	< 5	0.08	16	163	4	0.12	< 5	< 10	75	< 5	4	77	14
905048 Split PREP DUP	0.009	< 3	< 5	0.07	15	154	< 2	0.11	< 5	< 10	72	< 5	4	76	15
905051 Orig	0.010	< 3	< 5	0.27	11	62	< 2	0.11	< 5	< 10	66	< 5	4	122	14
905051 Dup	0.010	< 3	< 5	0.27	12	61	< 2	0.10	< 5	< 10	67	< 5	4	122	13
905056 Orig															
905056 Dup															
905066 Orig															
905066 Dup															
905068 Orig	0.006	< 3	< 5	0.36	21	211	< 2	0.11	< 5	< 10	82	< 5	3	87	8
905068 Dup	0.006	< 3	< 5	0.37	21	212	< 2	0.11	< 5	< 10	81	< 5	3	88	8
905076 Orig															
905076 Dup															
905082 Orig	0.010	< 3	< 5	0.11	39	9	< 2	0.22	< 5	< 10	150	< 5	9	164	24
905082 Dup	0.011	< 3	< 5	0.11	38	9	7	0.23	< 5	< 10	151	< 5	9	166	24
905096 Orig															
905096 Dup															
905098 Orig	0.021	< 3	< 5	0.02	11	32	< 2	0.18	< 5	< 10	11	< 5	55	399	64
905098 Split PREP DUP	0.021	< 3	< 5	0.01	11	33	< 2	0.18	< 5	< 10	11	< 5	59	403	64
905105 Orig	0.010	< 3	< 5	0.01	12	23	< 2	0.20	< 5	< 10	12	8	54	616	99
905105 Dup	0.010	< 3	< 5	0.02	12	21	< 2	0.20	< 5	< 10	11	5	52	610	97
905107 Orig	0.016	< 3	< 5	0.05	12	32	< 2	0.27	< 5	< 10	16	10	45	959	73
905107 Dup	0.015	< 3	< 5	0.05	12	31	< 2	0.25	< 5	< 10	15	9	44	941	63
905115 Orig															
905115 Dup															
905125 Orig	0.041	< 3	< 5	0.35	57	29	4	0.66	< 5	< 10	477	9	23	3960	15
905125 Dup	0.044	< 3	< 5	0.35	57	29	9	0.81	< 5	< 10	493	9	23	3830	16
905135 Orig															
905135 Dup															
905140 Orig	0.055	42	< 5	3.05	11	268	< 2	0.29	< 5	< 10	72	< 5	10	108	55
905140 Dup	0.058	44	< 5	3.21	11	290	< 2	0.31	< 5	< 10	77	< 5	11	115	55
905145 Orig															
905145 Dup															
905148 Orig	0.044	< 3	< 5	1.00	28	120	3	0.50	< 5	< 10	236	< 5	17	107	44
905148 Split PREP DUP	0.041	< 3	< 5	0.95	26	116	< 2	0.46	< 5	< 10	220	< 5	16	104	42
905154 Orig	0.035	< 3	< 5	0.82	23	135	< 2	0.47	< 5	< 10	206	< 5	19	113	44
905154 Dup	0.034	< 3	< 5	0.82	22	132	< 2	0.45	< 5	< 10	203	< 5	19	110	44
905164 Orig															
905164 Dup															
905167 Orig	0.050	< 3	< 5	2.01	34	159	4	0.56	< 5	< 10	266	< 5	21	134	56

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905167 Dup	0.044	8	< 5	2.04	30	157	< 2	0.30	< 5	< 10	222	< 5	18	136	54
905168 Orig	0.038	4	< 5	0.97	28	114	< 2	0.43	< 5	< 10	216	< 5	15	138	42
905168 Split PREP DUP	0.038	< 3	< 5	0.99	28	115	< 2	0.41	< 5	< 10	209	< 5	15	136	41
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	2	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-17956**
Report Date: **05-Nov-21**
Date Submitted: **24-Sep-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

136 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-11-01 16:09:44
1F2	QOP Total (Total Digestion ICPOES)	2021-10-29 08:33:32

REPORT **A21-17956**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905169	93	937	238	2.3	6.40	5	144	< 1	< 2	4.91	1.6	113	51	4880	11.7	15	0.47	4.16	22	1590	3	1.85	553
905170	131	1310	635	3.3	6.33	6	106	< 1	< 2	3.94	0.9	167	306	6260	13.7	12	0.60	3.82	13	1150	5	1.80	8280
905171	49	643	164	1.5	6.94	5	178	< 1	< 2	5.19	1.0	98	50	3250	11.5	15	0.59	4.45	27	1700	< 1	1.99	454
905172	11	144	45	0.3	7.22	5	189	< 1	< 2	5.09	< 0.3	62	28	573	10.1	16	0.55	3.95	25	1600	1	2.18	187
905173	39	300	104	0.9	6.57	6	152	< 1	< 2	5.01	0.6	74	34	1620	10.7	15	0.53	4.08	22	1690	2	2.02	276
905174	115	617	182	2.2	6.60	< 3	151	< 1	< 2	5.37	1.2	113	36	4380	12.3	15	0.57	4.11	21	1790	1	1.88	519
905175	32	169	58	0.7	6.77	3	140	< 1	< 2	5.36	0.4	71	31	1250	10.8	16	0.49	4.24	23	2000	< 1	2.09	227
905176	14	121	41	0.6	6.86	3	113	< 1	< 2	4.79	0.6	63	38	762	10.3	16	0.32	4.11	23	2160	< 1	2.34	183
905177	14	166	72	0.6	7.13	3	66	< 1	< 2	4.87	0.5	70	58	874	10.9	16	0.20	4.40	25	2350	< 1	2.52	217
905178	14	172	56	0.7	6.99	4	182	< 1	< 2	5.35	0.9	58	98	1040	10.2	15	0.61	3.90	30	2170	< 1	2.45	168
905179	24	248	92	0.8	7.27	7	145	< 1	< 2	4.81	0.9	60	81	1260	10.5	16	0.41	3.98	26	2290	< 1	2.61	187
905180	< 2	< 5	< 5	< 0.3	0.07	< 3	44	< 1	< 2	28.6	< 0.3	< 1	5	8	0.10	< 1	< 0.01	6.02	3	218	< 1	0.04	2
905181	48	263	91	0.7	6.72	< 3	125	< 1	< 2	4.08	1.4	62	44	1660	10.7	18	0.41	4.02	29	2230	< 1	2.37	197
905182	7	90	41	0.4	7.00	< 3	413	1	2	3.81	1.9	61	41	543	13.0	22	1.31	4.25	46	2570	< 1	2.06	143
905183	12	82	26	0.3	8.14	< 3	458	1	< 2	2.65	0.3	33	27	676	9.13	21	1.35	2.33	43	1560	< 1	3.54	99
905184	< 2	5	< 5	< 0.3	5.38	< 3	66	< 1	< 2	2.23	0.8	12	22	128	3.56	15	0.20	0.86	12	632	< 1	2.62	16
905185	5	39	13	< 0.3	5.76	17	66	< 1	< 2	1.72	0.5	10	11	482	3.27	14	0.19	0.67	10	660	1	3.36	19
905186	4	33	10	< 0.3	5.88	7	43	< 1	< 2	2.64	< 0.3	8	19	309	3.50	17	0.12	0.64	8	762	< 1	3.20	24
905187	< 2	< 5	< 5	0.3	6.03	< 3	19	< 1	< 2	4.82	< 0.3	7	33	8	5.03	23	0.07	0.57	7	874	< 1	1.84	6
905188	< 2	< 5	< 5	< 0.3	6.71	< 3	100	1	< 2	2.52	< 0.3	9	11	25	4.71	20	0.26	0.72	12	815	< 1	3.40	5
905189	< 2	< 5	< 5	0.5	7.40	< 3	366	4	< 2	1.74	0.8	15	16	23	7.61	26	0.91	0.96	28	999	< 1	3.60	2
905190	4	99	32	0.3	5.42	< 3	162	2	< 2	1.81	0.6	13	21	937	6.54	17	0.47	0.63	14	789	1	2.87	78
905191	8	196	65	0.9	5.47	< 3	153	2	< 2	1.95	1.1	14	20	1340	6.24	17	0.43	0.60	13	774	2	2.82	73
905192	24	387	119	3.0	5.52	< 3	195	< 1	2	2.73	3.2	34	17	4310	8.82	25	0.59	1.09	17	1150	8	2.04	453
905193	15	368	119	1.9	5.89	< 3	172	1	2	2.05	1.8	15	13	2770	6.69	20	0.49	0.76	14	906	2	2.96	76
905194	3	23	7	< 0.3	6.61	< 3	281	4	< 2	1.44	0.6	16	12	289	8.34	21	0.78	1.03	21	997	2	3.51	26
905195	< 2	< 5	< 5	< 0.3	5.67	< 3	220	3	< 2	1.10	0.4	9	17	51	6.01	15	0.62	0.68	13	699	< 1	3.29	4
905196	< 2	< 5	< 5	0.3	6.21	< 3	117	1	< 2	1.63	< 0.3	9	15	24	4.29	18	0.32	0.76	12	776	< 1	3.12	4
905197	41	1810	1210	< 0.3	12.6	< 3	69	< 1	< 2	6.82	< 0.3	54	46	494	6.30	18	0.47	4.30	32	902	< 1	1.65	310
905198	3	94	34	< 0.3	8.24	< 3	50	< 1	< 2	7.39	< 0.3	47	42	143	7.42	18	0.14	4.20	15	1160	1	1.64	150
905199	2	24	12	< 0.3	7.53	< 3	83	< 1	3	6.89	< 0.3	43	27	116	7.45	19	0.34	4.06	21	1180	< 1	1.50	90
905200	2	31	22	< 0.3	7.96	< 3	92	< 1	2	6.67	< 0.3	42	79	188	8.09	20	0.27	3.91	20	1240	< 1	2.05	96
905201	< 2	145	60	< 0.3	9.94	< 3	163	< 1	< 2	4.31	0.4	56	210	85	8.97	21	0.44	5.34	36	1460	< 1	1.89	291
905202	< 2	66	20	< 0.3	9.70	< 3	130	< 1	< 2	5.52	< 0.3	38	92	114	6.58	18	0.31	4.11	20	1100	< 1	2.53	124
905203	4	86	38	< 0.3	8.68	< 3	69	< 1	< 2	5.62	< 0.3	48	150	196	7.47	17	0.21	5.30	22	1290	< 1	1.94	224
905204	3	29	12	< 0.3	8.78	3	50	< 1	< 2	4.34	< 0.3	47	161	100	7.66	17	0.15	4.94	23	1240	< 1	2.22	220
905205	3	80	30	< 0.3	8.40	< 3	41	< 1	< 2	4.28	< 0.3	61	286	89	9.36	17	0.18	6.68	31	1570	< 1	1.57	494
905206	< 2	16	7	0.4	6.82	< 3	15	< 1	< 2	5.54	< 0.3	57	384	19	8.71	15	0.06	6.39	26	1710	< 1	1.68	476
905207	8	448	180	< 0.3	9.01	3	41	< 1	< 2	3.16	< 0.3	59	162	55	9.12	15	0.17	6.14	34	1530	< 1	2.34	335
905208	2	51	30	< 0.3	9.23	< 3	54	< 1	< 2	4.10	< 0.3	56	124	45	8.54	17	0.19	5.82	31	1440	< 1	1.89	254
905209	13	15	7	< 0.3	8.36	< 3	49	< 1	< 2	5.79	< 0.3	46	86	522	7.71	17	0.14	4.59	20	1260	< 1	2.05	148
905210	151	1300	669	3.3	6.71	< 3	57	< 1	< 2	3.95	0.4	166	232	6280	13.5	14	0.60	3.77	13	1100	1	1.76	8160
905211	52	534	184	1.1	8.24	< 3	49	< 1	< 2	5.51	1.4	67	81	1970	8.48	16	0.15	5.21	20	1290	< 1	1.82	519
905212	41	383	211	0.7	5.99	< 3	23	< 1	< 2	5.14	0.6	66	86	1340	9.18	13	0.10	7.13	21	1580	< 1	1.10	477
905213	10	203	79	< 0.3	7.86	< 3	62	< 1	< 2	4.89	< 0.3	56	80	273	8.03	15	0.27	6.68	29	1370	< 1	1.37	365
905214	10	114	28	< 0.3	8.79	< 3	86	< 1	< 2	5.21	< 0.3	42	57	409	6.87	17	0.32	4.36	23	1100	< 1	2.39	172
905215	32	370	124	0.5	8.50	21	73	< 1	< 2	5.60	0.4	58	60	1060	8.40	20	0.20	3.94	22	1160	< 1	1.80	269
905216	5	37	17	< 0.3	5.61	4	22	< 1	< 2	6.46	< 0.3	23	44	227	4.87	14	0.05	2.36	8	837	< 1	1.90	63
905217	12	12	18	< 0.3	7.23	< 3	55	< 1	< 2	7.20	< 0.3	40	29	322	7.49	19	0.16	3.62	15	1190	< 1	1.87	100
905218	19	115	40	0.4	7.72	< 3	64	< 1	< 2	5.27	< 0.3	56	81	687	8.04	17	0.20	5.41	23	1290	< 1	1.77	236
905219	52	94	148	2.0	5.20	< 3	14	< 1	< 2	4.16	2.6	90	87	2880	9.52	12	0.12	8.54	29	1770	< 1	0.43	535

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905220	< 2	< 5	< 5	< 0.3	0.04	< 3	18	< 1	< 2	29.2	< 0.3	< 1	3	2	0.12	2	< 0.01	6.79	4	207	< 1	0.03	1
905221	35	155	389	1.3	5.41	< 3	18	< 1	< 2	3.91	1.0	84	110	2360	9.43	12	0.19	8.55	29	1750	< 1	0.55	447
905222	14	143	84	0.5	6.29	< 3	26	< 1	< 2	3.70	0.5	69	84	936	8.96	13	0.22	8.26	34	1690	< 1	1.01	218
905223	79	260	123	0.7	5.61	< 3	15	< 1	< 2	3.94	0.7	75	52	1470	9.14	13	0.14	8.42	33	1690	1	0.61	296
905224	21	94	48	< 0.3	5.25	< 3	17	< 1	< 2	4.10	< 0.3	66	52	503	8.78	11	0.17	8.49	35	1700	< 1	0.55	218
905225	8	< 5	< 5	< 0.3	5.58	< 3	10	< 1	< 2	3.73	< 0.3	69	49	320	9.40	12	0.07	8.81	34	1780	< 1	0.38	179
905226	9	36	13	< 0.3	5.95	< 3	20	< 1	< 2	3.68	< 0.3	67	66	381	8.82	13	0.12	8.31	34	1700	< 1	0.83	220
905227	17	84	53	0.4	5.88	< 3	15	< 1	< 2	3.78	0.4	70	71	858	8.68	11	0.09	8.38	31	1660	< 1	0.95	251
905228	40	179	121	0.5	6.46	< 3	26	< 1	< 2	3.60	0.3	66	118	1220	8.28	12	0.13	7.82	31	1530	< 1	1.34	254
905229	6	53	106	< 0.3	6.18	< 3	19	< 1	< 2	4.02	< 0.3	61	131	37	8.49	12	0.08	8.01	30	1600	< 1	1.28	182
905230	4	31	78	< 0.3	6.24	< 3	19	< 1	< 2	3.97	< 0.3	60	109	23	8.33	12	0.08	7.92	30	1550	< 1	1.36	179
905231	9	20	44	< 0.3	5.93	< 3	17	< 1	< 2	3.69	< 0.3	59	86	23	8.74	12	0.08	7.66	30	1570	< 1	0.98	186
905232	9	10	11	< 0.3	6.78	< 3	26	< 1	< 2	3.68	< 0.3	63	49	53	9.40	14	0.16	8.04	38	1660	< 1	1.07	177
905233	6	114	50	< 0.3	6.47	< 3	11	< 1	< 2	3.26	< 0.3	69	63	63	9.41	14	0.06	8.77	36	1680	< 1	0.71	163
905234	14	193	97	< 0.3	5.84	< 3	13	< 1	< 2	3.56	< 0.3	67	64	429	8.77	13	0.09	8.19	31	1610	< 1	0.81	196
905235	8	31	40	< 0.3	5.27	3	11	< 1	< 2	4.09	< 0.3	68	80	263	9.08	11	0.08	8.82	30	1700	< 1	0.51	163
905236	11	14	11	< 0.3	9.26	< 3	150	< 1	< 2	5.50	< 0.3	52	160	493	7.32	18	0.53	5.77	30	1250	< 1	1.74	144
905237	4	45	17	< 0.3	8.07	4	236	< 1	< 2	8.35	< 0.3	39	401	248	6.38	16	0.74	5.23	22	1260	< 1	1.35	127
905238	4	10	< 5	< 0.3	8.62	< 3	199	< 1	< 2	7.07	< 0.3	35	301	121	6.36	19	0.89	4.49	25	1090	< 1	1.91	87
905239	3	8	< 5	< 0.3	10.3	< 3	238	< 1	< 2	6.20	< 0.3	34	122	99	5.87	22	0.75	3.34	24	821	< 1	2.54	91
905240	171	1310	685	3.3	6.71	< 3	77	< 1	5	3.94	0.5	163	212	6240	13.5	13	0.59	3.77	13	1090	< 1	1.77	8080
905241	3	< 5	< 5	< 0.3	10.6	< 3	221	< 1	< 2	6.63	< 0.3	34	81	49	6.38	19	0.77	3.74	28	933	< 1	2.10	112
905242	< 2	< 5	< 5	< 0.3	10.1	< 3	173	< 1	< 2	6.75	< 0.3	32	75	21	6.38	19	0.76	3.69	23	921	< 1	1.95	104
905243	2	12	6	< 0.3	8.42	< 3	121	< 1	< 2	6.76	< 0.3	42	193	120	6.82	17	0.55	5.04	21	1160	< 1	1.68	123
905244	< 2	< 5	< 5	< 0.3	9.60	18	182	< 1	< 2	7.16	< 0.3	32	121	22	6.27	20	0.67	3.75	20	984	< 1	1.83	111
905245	5	9	< 5	< 0.3	10.8	4	112	< 1	< 2	6.10	< 0.3	35	157	159	5.76	20	1.00	4.08	26	960	< 1	1.88	107
905246	10	28	46	< 0.3	7.52	4	84	< 1	< 2	3.45	< 0.3	59	67	293	8.61	16	0.50	7.38	35	1440	< 1	0.84	125
905247	19	63	41	0.3	3.19	< 3	< 7	< 1	< 2	6.06	< 0.3	65	98	665	8.85	8	0.03	9.85	19	1790	< 1	0.13	243
905248	10	21	6	< 0.3	11.7	< 3	198	< 1	< 2	5.67	< 0.3	36	36	306	5.48	20	0.86	3.54	27	826	< 1	2.06	137
905249	4	6	< 5	< 0.3	11.3	< 3	186	< 1	< 2	6.19	< 0.3	32	37	131	5.05	20	0.58	3.03	19	749	< 1	2.59	105
905250	< 2	< 5	< 5	< 0.3	0.08	< 3	21	< 1	< 2	29.4	< 0.3	< 1	3	2	0.17	2	0.02	5.53	10	182	< 1	0.06	1
905251	5	13	< 5	< 0.3	10.5	< 3	109	< 1	< 2	6.12	< 0.3	33	55	206	5.31	19	0.38	3.34	19	786	< 1	2.51	108
905252	2	< 5	< 5	< 0.3	8.35	< 3	54	< 1	< 2	1.30	< 0.3	37	70	4	8.43	20	0.26	8.12	63	1070	< 1	1.06	79
905253	316	9760	2980	31.4	5.97	< 3	< 7	< 1	8	1.64	22.3	142	65	> 10000	12.6	17	0.03	7.59	38	991	< 1	0.09	3620
905254	11	135	45	< 0.3	10.4	< 3	448	< 1	< 2	3.49	< 0.3	42	69	262	6.79	20	1.40	4.55	52	796	< 1	2.35	145
905255	< 2	< 5	< 5	< 0.3	9.07	< 3	90	1	< 2	2.79	< 0.3	44	58	29	9.39	22	0.13	4.87	30	1430	2	2.51	107
905256	3	< 5	< 5	< 0.3	9.44	< 3	229	< 1	3	4.36	< 0.3	38	52	149	8.13	25	0.40	3.76	25	1210	< 1	2.48	89
905257	5	< 5	< 5	< 0.3	5.89	< 3	124	< 1	2	5.04	< 0.3	64	29	233	12.4	17	0.32	4.64	23	1750	< 1	0.71	99
905258	7	6	< 5	< 0.3	5.88	6	81	< 1	< 2	4.90	< 0.3	63	73	412	12.0	17	0.24	4.52	24	1660	< 1	0.68	107
905259	13	9	7	0.6	4.89	< 3	117	< 1	< 2	4.34	< 0.3	70	32	675	12.9	17	0.37	4.24	26	1590	< 1	0.45	132
905260	14	7	7	0.6	4.81	< 3	116	< 1	2	4.47	< 0.3	73	36	719	13.2	17	0.37	4.28	26	1600	< 1	0.43	139
905261	5	< 5	< 5	< 0.3	6.42	< 3	270	< 1	2	4.94	< 0.3	69	42	290	13.3	18	0.71	4.10	26	1730	< 1	0.60	109
905262	4	< 5	< 5	< 0.3	6.98	< 3	174	< 1	< 2	4.65	< 0.3	61	40	246	11.4	19	0.38	4.06	32	1600	< 1	1.13	94
905263	3	< 5	< 5	< 0.3	7.38	< 3	149	< 1	< 2	4.69	< 0.3	57	42	212	10.6	19	0.28	3.74	31	1530	< 1	1.57	80
905264	3	< 5	< 5	< 0.3	7.44	< 3	230	< 1	3	5.00	< 0.3	54	39	205	10.7	20	0.36	3.41	30	1440	< 1	1.51	82
905265	3	6	< 5	< 0.3	8.03	< 3	250	< 1	2	4.91	< 0.3	54	34	178	10.1	20	0.36	3.25	27	1320	< 1	1.75	77
905266	4	5	< 5	< 0.3	7.64	< 3	199	< 1	< 2	5.00	< 0.3	55	30	260	10.3	20	0.38	3.47	25	1370	< 1	1.59	83
905267	3	< 5	< 5	< 0.3	7.61	< 3	178	< 1	< 2	5.23	< 0.3	54	36	207	10.3	21	0.35	3.32	24	1410	< 1	1.67	85
905268	< 2	< 5	< 5	< 0.3	7.77	< 3	216	< 1	< 2	5.11	< 0.3	53	26	201	10.0	20	0.38	3.31	25	1370	< 1	1.77	81
905269	3	< 5	< 5	< 0.3	7.60	< 3	218	< 1	2	5.00	< 0.3	56	23	245	10.6	20	0.33	3.38	26	1380	< 1	1.51	88
905270	147	1280	697	3.4	6.70	< 3	67	< 1	< 2	3.92	0.6	165	207	6280	13.4	14	0.59	3.76	13	1090	1	1.72	8160

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905271	4	6	< 5	< 0.3	7.73	< 3	171	< 1	< 2	5.27	< 0.3	57	34	217	11.2	21	0.33	3.45	25	1460	< 1	1.55	99
905272	8	< 5	< 5	< 0.3	6.86	< 3	138	< 1	< 2	4.63	< 0.3	54	23	270	11.2	21	0.26	3.02	22	1250	< 1	1.79	68
905273	4	< 5	< 5	< 0.3	7.55	< 3	219	< 1	< 2	4.57	< 0.3	55	22	237	11.2	22	0.46	3.05	27	1330	< 1	1.81	86
905274	8	< 5	< 5	< 0.3	7.43	< 3	159	< 1	< 2	4.55	< 0.3	60	43	373	11.4	21	0.36	3.53	27	1510	< 1	1.70	105
905275	11	< 5	< 5	< 0.3	7.51	< 3	184	< 1	2	4.48	< 0.3	62	51	510	11.8	20	0.48	3.59	25	1560	< 1	1.71	115
905276	10	7	11	0.3	7.14	< 3	107	< 1	2	4.70	< 0.3	66	49	547	11.6	19	0.28	3.99	22	1580	< 1	1.73	125
905277	7	< 5	< 5	< 0.3	7.88	28	180	< 1	2	4.86	< 0.3	54	61	309	10.2	20	0.30	3.47	24	1440	< 1	1.96	106
905278	11	6	7	< 0.3	7.03	6	331	< 1	< 2	4.13	< 0.3	65	71	357	12.4	20	0.74	3.83	27	1600	< 1	1.81	121
905279	59	83	124	1.1	3.53	< 3	203	< 1	3	4.58	0.7	110	85	2100	16.6	13	0.57	6.13	15	2180	< 1	0.18	377
905280	< 2	< 5	< 5	< 0.3	0.05	4	33	< 1	< 2	30.2	< 0.3	< 1	5	2	0.10	2	0.01	5.73	4	204	< 1	0.04	1
905281	36	67	142	0.7	4.26	< 3	163	< 1	3	4.18	0.7	86	76	1320	14.1	11	0.46	6.43	20	2120	< 1	0.40	294
905282	59	85	80	1.2	4.59	< 3	152	< 1	< 2	3.77	1.1	114	66	2430	13.7	14	0.41	6.06	21	1980	< 1	0.46	509
905283	47	71	91	0.9	3.50	< 3	11	< 1	2	4.94	0.6	100	83	1820	14.0	13	0.05	7.09	13	2210	< 1	0.16	470
905284	77	117	160	0.9	3.76	8	< 7	< 1	3	4.05	0.8	108	81	1740	14.4	13	0.03	6.88	9	1930	< 1	0.12	473
905285	47	97	94	0.8	3.74	< 3	< 7	< 1	2	4.15	0.4	119	168	1900	14.7	13	0.02	7.23	8	1930	< 1	0.09	520
905286	45	85	87	1.2	3.82	< 3	< 7	< 1	< 2	4.04	0.5	116	227	1920	14.6	14	0.02	7.14	8	1900	< 1	0.09	495
905287	48	100	101	0.8	2.26	< 3	< 7	< 1	< 2	4.96	0.7	105	104	1800	13.9	9	0.02	7.18	3	2080	< 1	0.10	503
905288	35	55	65	0.7	2.36	< 3	< 7	< 1	< 2	5.25	0.3	108	182	1530	14.2	9	0.02	7.60	4	2190	< 1	0.11	542
905289	8	< 5	< 5	< 0.3	10.3	< 3	920	< 1	< 2	2.29	< 0.3	55	33	294	8.90	28	1.26	3.48	38	1210	< 1	2.68	87
905290	3	12	13	< 0.3	9.09	< 3	779	< 1	< 2	4.40	< 0.3	39	43	151	7.14	25	1.27	3.84	25	1290	3	2.51	80
905291	22	18	13	< 0.3	9.52	< 3	537	< 1	< 2	4.04	< 0.3	56	45	417	8.21	31	0.98	3.35	25	1250	< 1	2.44	149
905292	60	34	27	0.8	7.24	3	108	< 1	2	3.86	< 0.3	83	74	2960	12.1	24	0.18	5.20	24	1810	< 1	1.71	310
905293	14	34	30	0.4	5.66	6	33	2	2	4.51	0.4	108	147	799	13.3	24	0.11	5.89	22	2030	3	0.86	321
905294	11	84	65	0.4	3.96	< 3	29	2	< 2	4.53	< 0.3	95	93	723	11.6	17	0.10	4.99	14	1750	2	0.61	613
905295	25	47	44	1.0	4.45	< 3	60	1	3	5.44	0.3	1020	80	1820	18.8	17	0.17	4.41	10	1560	1	0.79	1850
905296	22	57	56	0.6	7.69	< 3	122	< 1	< 2	4.25	0.5	87	52	1090	10.6	28	0.24	4.53	20	1540	< 1	1.87	344
905297	13	37	31	0.3	7.85	< 3	185	1	< 2	4.58	0.4	69	58	739	9.86	27	0.36	4.05	21	1430	< 1	1.90	258
905298	6	8	< 5	0.4	6.23	< 3	38	< 1	< 2	2.33	< 0.3	38	39	251	5.44	14	0.08	1.99	9	768	4	3.11	105
905299	11	37	16	0.5	5.46	< 3	62	2	< 2	3.41	< 0.3	72	55	708	9.36	19	0.13	4.02	18	1400	2	1.54	218
905300	116	1320	652	3.3	6.75	< 3	52	< 1	< 2	3.94	0.5	166	226	6300	13.4	14	0.59	3.76	13	1080	< 1	1.78	8150
905301	10	80	29	< 0.3	6.35	11	52	< 1	< 2	3.31	0.4	68	755	587	10.0	25	0.11	6.83	33	1660	< 1	0.99	265
905302	85	373	133	0.8	5.35	< 3	150	1	3	6.67	0.4	54	802	2530	8.34	15	0.24	7.64	21	1750	< 1	1.03	296
905303	9	34	15	< 0.3	9.91	< 3	429	1	< 2	5.10	< 0.3	32	141	451	6.59	23	0.48	3.35	21	1010	< 1	2.95	74
905304	14	50	35	< 0.3	7.69	< 3	216	< 1	< 2	6.63	< 0.3	54	39	302	10.2	20	0.38	3.55	16	1450	< 1	1.82	82

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905169	0.040	< 3	< 5	1.25	27	114	< 2	0.40	< 5	< 10	198	< 5	15	153	43
905170	0.062	44	< 5	3.18	11	283	3	0.56	< 5	< 10	105	< 5	11	109	57
905171	0.044	6	< 5	0.73	28	126	< 2	0.42	< 5	< 10	214	< 5	17	132	50
905172	0.050	3	< 5	0.13	30	138	6	0.48	< 5	< 10	230	< 5	20	103	57
905173	0.047	< 3	< 5	0.50	28	119	2	0.47	< 5	< 10	223	< 5	18	118	56
905174	0.044	5	< 5	1.49	28	137	< 2	0.48	< 5	< 10	227	< 5	17	153	51
905175	0.047	5	< 5	0.35	29	127	< 2	0.49	< 5	< 10	230	< 5	19	143	56
905176	0.047	7	< 5	0.16	29	105	< 2	0.48	< 5	< 10	227	< 5	19	178	62
905177	0.048	15	< 5	0.22	29	107	< 2	0.48	< 5	< 10	224	< 5	19	212	66
905178	0.041	17	< 5	0.17	34	134	< 2	0.35	< 5	< 10	189	< 5	19	255	46
905179	0.043	15	< 5	0.21	35	114	< 2	0.41	< 5	< 10	219	< 5	19	248	51
905180	0.006	< 3	< 5	< 0.01	< 4	93	< 2	< 0.01	< 5	< 10	2	< 5	1	9	< 5
905181	0.033	19	< 5	0.33	30	75	< 2	0.43	< 5	< 10	249	< 5	18	333	46
905182	0.036	11	< 5	0.15	36	61	9	0.62	< 5	< 10	380	< 5	21	445	55
905183	0.045	9	< 5	0.17	18	99	< 2	0.23	< 5	< 10	92	< 5	34	177	62
905184	0.031	10	< 5	0.13	11	217	< 2	0.19	< 5	< 10	10	< 5	105	141	52
905185	0.041	8	< 5	0.09	11	84	< 2	0.28	< 5	< 10	9	< 5	105	136	49
905186	0.041	12	< 5	0.05	11	178	6	0.31	< 5	< 10	9	< 5	112	107	21
905187	0.045	10	< 5	0.02	12	337	7	0.24	< 5	< 10	8	< 5	121	68	111
905188	0.046	8	< 5	0.03	13	157	< 2	0.13	< 5	< 10	4	< 5	129	155	99
905189	0.050	13	< 5	0.04	15	120	3	0.35	< 5	< 10	11	< 5	146	332	261
905190	0.028	12	< 5	0.12	10	101	3	0.24	< 5	< 10	5	< 5	109	239	31
905191	0.034	16	< 5	0.17	10	119	< 2	0.28	< 5	< 10	5	< 5	113	252	113
905192	0.039	23	< 5	0.64	10	164	< 2	0.30	< 5	< 10	7	6	110	517	194
905193	0.037	19	< 5	0.37	10	128	3	0.32	< 5	< 10	5	< 5	137	351	140
905194	0.037	11	< 5	0.08	14	69	3	0.35	< 5	10	8	< 5	134	283	11
905195	0.041	9	< 5	0.04	12	64	< 2	0.26	< 5	10	7	< 5	124	161	41
905196	0.031	7	< 5	0.06	11	174	< 2	0.16	< 5	< 10	15	< 5	137	143	164
905197	0.016	< 3	< 5	0.19	15	269	< 2	0.18	< 5	< 10	90	5	6	95	16
905198	0.022	< 3	< 5	0.07	34	272	5	0.29	< 5	< 10	197	< 5	11	77	31
905199	0.040	4	< 5	0.05	34	271	< 2	0.39	< 5	< 10	236	< 5	17	90	53
905200	0.041	5	< 5	0.09	35	281	< 2	0.50	< 5	< 10	255	< 5	24	106	48
905201	0.022	< 3	< 5	0.03	24	344	< 2	0.37	< 5	< 10	194	< 5	12	169	19
905202	0.025	4	< 5	0.02	22	554	< 2	0.25	< 5	< 10	138	< 5	12	115	22
905203	0.017	3	< 5	0.05	25	251	4	0.26	< 5	< 10	136	< 5	8	121	18
905204	0.028	< 3	< 5	0.02	22	213	< 2	0.33	< 5	< 10	156	< 5	13	127	45
905205	0.012	< 3	< 5	0.03	17	152	< 2	0.21	< 5	< 10	124	< 5	5	171	12
905206	0.055	< 3	< 5	0.01	21	87	< 2	0.30	< 5	< 10	128	< 5	17	163	99
905207	0.012	< 3	< 5	0.02	30	152	< 2	0.32	< 5	< 10	141	< 5	8	182	21
905208	0.016	< 3	< 5	0.01	28	170	< 2	0.28	< 5	< 10	133	< 5	7	163	23
905209	0.033	4	< 5	0.08	33	218	< 2	0.25	< 5	< 10	145	< 5	17	126	22
905210	0.057	44	< 5	3.23	11	279	< 2	0.38	< 5	< 10	84	< 5	11	116	55
905211	0.021	< 3	< 5	0.43	28	209	< 2	0.30	< 5	< 10	153	< 5	10	138	18
905212	0.022	< 3	< 5	0.18	34	82	< 2	0.30	< 5	< 10	149	< 5	8	142	27
905213	0.005	< 3	< 5	0.04	23	151	< 2	0.11	< 5	< 10	85	< 5	3	119	9
905214	0.024	< 3	< 5	0.05	25	256	5	0.35	< 5	< 10	153	< 5	10	91	22
905215	0.027	5	< 5	0.29	26	276	< 2	0.24	< 5	10	145	< 5	11	93	24
905216	0.033	3	< 5	0.04	25	182	< 2	0.13	< 5	< 10	87	< 5	15	45	19
905217	0.034	4	< 5	0.11	33	285	< 2	0.33	< 5	< 10	246	< 5	16	69	47
905218	0.024	< 3	< 5	0.19	29	212	< 2	0.35	< 5	< 10	209	< 5	10	90	33
905219	0.009	22	< 5	0.40	30	29	< 2	0.16	< 5	< 10	128	< 5	5	246	21

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905220	0.005	< 3	< 5	< 0.01	< 4	113	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	6	< 5
905221	0.006	6	< 5	0.30	29	24	< 2	0.14	< 5	< 10	116	< 5	4	168	17
905222	0.005	3	< 5	0.11	28	59	< 2	0.13	< 5	< 10	111	< 5	4	139	15
905223	0.008	4	< 5	0.18	32	32	< 2	0.22	< 5	< 10	146	< 5	6	151	25
905224	0.008	< 3	< 5	0.06	30	24	< 2	0.16	< 5	< 10	120	< 5	5	103	22
905225	0.004	< 3	< 5	0.04	31	19	5	0.17	< 5	< 10	123	< 5	5	114	18
905226	0.005	< 3	< 5	0.05	28	42	2	0.13	< 5	< 10	107	< 5	5	108	18
905227	0.004	< 3	< 5	0.10	28	39	< 2	0.12	< 5	< 10	108	< 5	4	111	14
905228	0.009	< 3	< 5	0.15	27	65	< 2	0.15	< 5	< 10	116	< 5	5	105	24
905229	0.004	< 3	< 5	< 0.01	27	66	< 2	0.11	< 5	< 10	108	< 5	4	104	22
905230	0.004	< 3	< 5	< 0.01	27	68	< 2	0.11	< 5	< 10	105	< 5	4	103	20
905231	0.004	< 3	< 5	< 0.01	27	59	< 2	0.11	< 5	< 10	108	< 5	4	106	21
905232	0.006	< 3	< 5	0.01	29	61	< 2	0.14	< 5	< 10	127	< 5	5	111	19
905233	0.006	< 3	< 5	0.01	28	31	< 2	0.15	< 5	< 10	113	< 5	10	116	29
905234	0.006	< 3	< 5	0.05	27	38	3	0.13	< 5	< 10	109	< 5	5	114	22
905235	0.004	< 3	< 5	0.03	30	28	< 2	0.13	< 5	< 10	105	< 5	4	106	19
905236	0.004	< 3	< 5	0.28	18	337	< 2	0.17	< 5	< 10	138	< 5	2	79	< 5
905237	0.003	4	< 5	0.52	18	529	4	0.11	< 5	< 10	79	< 5	2	69	< 5
905238	0.006	4	< 5	1.48	15	744	< 2	0.14	< 5	< 10	73	< 5	1	71	< 5
905239	0.006	< 3	< 5	1.48	9	817	< 2	0.13	< 5	< 10	51	< 5	< 1	62	< 5
905240	0.056	43	< 5	3.23	12	277	< 2	0.31	< 5	< 10	74	< 5	11	112	54
905241	0.004	< 3	< 5	0.19	20	416	< 2	0.27	< 5	< 10	158	< 5	1	60	< 5
905242	0.004	< 3	< 5	0.09	20	389	< 2	0.27	< 5	< 10	158	< 5	1	58	< 5
905243	0.004	< 3	< 5	0.14	25	327	< 2	0.20	< 5	< 10	144	< 5	3	68	< 5
905244	0.004	< 3	< 5	0.05	18	381	< 2	0.24	< 5	< 10	152	< 5	1	58	< 5
905245	0.003	< 3	< 5	0.08	15	442	2	0.11	< 5	< 10	106	< 5	1	57	< 5
905246	0.011	< 3	< 5	0.09	24	110	< 2	0.19	< 5	< 10	139	< 5	6	96	25
905247	0.005	< 3	< 5	0.12	37	11	< 2	0.15	< 5	< 10	131	< 5	5	91	20
905248	0.003	< 3	< 5	0.18	13	358	6	0.08	< 5	< 10	61	< 5	1	54	< 5
905249	0.002	< 3	< 5	0.18	9	335	2	0.14	< 5	< 10	108	< 5	< 1	48	< 5
905250	0.004	< 3	< 5	< 0.01	< 4	103	< 2	< 0.01	< 5	< 10	< 2	< 5	1	7	< 5
905251	0.002	< 3	< 5	0.20	10	266	< 2	0.08	< 5	< 10	73	< 5	< 1	55	< 5
905252	0.005	< 3	< 5	< 0.01	26	41	< 2	0.34	< 5	< 10	179	< 5	36	99	64
905253	0.008	1480	< 5	4.63	32	7	3	0.38	< 5	< 10	206	8	7	3700	17
905254	0.005	5	< 5	0.22	17	220	< 2	0.26	< 5	< 10	176	< 5	< 1	76	< 5
905255	0.015	4	< 5	0.05	28	173	4	0.46	< 5	< 10	201	< 5	8	112	7
905256	0.022	< 3	< 5	0.20	21	286	4	0.50	< 5	< 10	215	< 5	6	94	10
905257	0.039	5	< 5	0.29	29	130	10	0.60	< 5	< 10	320	< 5	18	122	58
905258	0.040	4	< 5	0.23	29	130	4	0.50	< 5	< 10	280	< 5	19	123	58
905259	0.077	5	< 5	0.35	31	59	4	0.49	< 5	< 10	255	< 5	29	120	119
905260	0.060	4	< 5	0.43	32	55	< 2	0.34	< 5	< 10	255	< 5	29	123	112
905261	0.028	5	< 5	0.19	28	132	< 2	0.65	< 5	< 10	453	< 5	15	120	44
905262	0.032	5	< 5	0.05	26	166	5	0.53	< 5	< 10	345	< 5	14	119	43
905263	0.040	4	< 5	0.05	23	196	3	0.51	< 5	< 10	255	< 5	16	100	57
905264	0.041	3	< 5	0.08	23	214	< 2	0.64	< 5	< 10	328	< 5	16	93	58
905265	0.031	4	< 5	0.08	21	233	< 2	0.54	< 5	< 10	310	< 5	13	101	44
905266	0.034	5	< 5	0.08	24	217	6	0.32	< 5	< 10	254	< 5	16	106	52
905267	0.022	5	< 5	0.08	21	239	< 2	0.32	< 5	< 10	295	< 5	12	100	34
905268	0.028	5	< 5	0.07	21	239	3	0.28	< 5	< 10	260	< 5	14	100	49
905269	0.027	6	< 5	0.09	22	217	5	0.44	< 5	< 10	305	< 5	13	102	41
905270	0.058	40	< 5	3.24	11	280	3	0.35	< 5	< 10	81	< 5	10	114	61

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905271	0.022	6	< 5	0.09	23	237	< 2	0.53	< 5	< 10	401	< 5	12	103	37
905272	0.084	6	< 5	0.12	23	189	< 2	0.24	< 5	< 10	235	< 5	28	101	62
905273	0.035	5	< 5	0.05	23	233	< 2	0.24	< 5	< 10	322	< 5	17	105	66
905274	0.024	4	< 5	0.08	23	208	5	0.44	< 5	< 10	402	< 5	12	105	38
905275	0.029	5	< 5	0.12	24	194	4	0.65	< 5	< 10	528	< 5	12	106	39
905276	0.023	< 3	< 5	0.18	26	169	3	0.62	< 5	< 10	446	< 5	11	111	34
905277	0.017	5	< 5	0.08	21	247	2	0.45	< 5	< 10	404	< 5	8	94	26
905278	0.018	5	< 5	0.12	25	162	5	0.38	< 5	< 10	418	< 5	11	104	34
905279	0.004	5	< 5	0.78	36	7	3	0.36	< 5	< 10	441	< 5	9	146	24
905280	0.004	< 3	< 5	< 0.01	< 4	88	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	8	< 5
905281	0.012	< 3	< 5	0.47	35	14	3	0.42	< 5	< 10	280	< 5	9	151	25
905282	0.014	3	< 5	1.16	33	16	< 2	0.38	< 5	< 10	262	< 5	10	156	26
905283	0.012	< 3	< 5	0.82	38	7	< 2	0.40	< 5	< 10	288	< 5	11	135	24
905284	0.011	3	< 5	0.80	35	6	2	0.31	< 5	< 10	242	< 5	11	119	26
905285	0.013	4	< 5	0.76	35	4	2	0.38	< 5	< 10	272	< 5	9	108	27
905286	0.013	< 3	< 5	0.73	35	4	< 2	0.36	< 5	< 10	264	< 5	9	111	28
905287	0.026	4	< 5	0.76	37	6	< 2	0.19	< 5	< 10	198	< 5	14	93	52
905288	0.011	5	< 5	0.69	40	6	3	0.27	< 5	10	241	< 5	13	93	28
905289	0.028	< 3	< 5	0.14	9	286	< 2	0.25	< 5	< 10	116	< 5	4	96	8
905290	0.015	3	< 5	0.09	16	311	3	0.16	< 5	< 10	82	< 5	8	94	19
905291	0.013	6	< 5	0.18	14	348	< 2	0.15	< 5	< 10	82	< 5	10	97	17
905292	0.013	5	< 5	0.64	22	143	2	0.33	< 5	< 10	169	< 5	18	142	21
905293	0.013	< 3	< 5	0.32	28	63	< 2	0.32	< 5	< 10	191	5	37	152	53
905294	0.011	4	< 5	0.44	18	45	< 2	0.15	< 5	< 10	73	< 5	56	120	87
905295	0.006	9	< 5	7.64	20	150	< 2	0.12	< 5	10	90	< 5	13	114	20
905296	0.017	4	< 5	0.63	20	197	< 2	0.19	< 5	< 10	97	< 5	24	114	58
905297	0.015	4	< 5	0.50	22	241	< 2	0.28	< 5	< 10	121	< 5	24	103	36
905298	0.020	< 3	< 5	0.13	9	102	5	0.21	< 5	10	60	< 5	52	63	122
905299	0.018	4	< 5	0.23	19	99	< 2	0.35	< 5	< 10	187	< 5	51	118	109
905300	0.058	41	< 5	3.22	11	277	< 2	0.29	< 5	< 10	78	< 5	11	115	58
905301	0.068	< 3	< 5	0.09	31	83	< 2	0.34	< 5	< 10	215	< 5	18	142	24
905302	0.122	4	< 5	0.30	30	239	< 2	0.34	< 5	< 10	183	< 5	30	136	21
905303	0.247	4	< 5	0.06	14	722	< 2	0.35	< 5	< 10	139	< 5	17	79	14
905304	0.037	5	< 5	0.07	36	352	8	0.27	< 5	< 10	259	< 5	11	99	6

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						7						146	202	316	9.28								6370
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						5						140	144	297	9.33								6190
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						4						148	142	314	9.75								6470
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												46		417	10.5		2.38	1.22		943	18		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		402	10.4		2.09	1.19		914	20		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												46		404	10.4		2.31	1.19		945	19		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				43.1					65			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				42.6					58			125		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				41.8					73			125		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 13b (4-Acid) Meas				1.0		41						73	8990	2390							11		2120
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		44						71	8720	2270							13		2100
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				0.9		43						73	8990	2340							12		2170
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.4	6.68	91	208	8	7	0.05		94	56	6070	6.61	17	3.38	0.57	16	441	1	0.04	46
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.47	103	196	8	< 2	0.05		90	49	5780	6.68	16	2.74	0.55	15	417	3	0.03	45
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.5	6.56	83	213	8	< 2	0.05		92	43	5910	6.77	17	3.30	0.56	16	418	2	0.03	43

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.22	10	189	< 1	< 2	0.20		31	453	376	14.8	22	0.41	0.25	22	498	< 1	0.09	244
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.32	6	192	< 1	< 2	0.20		32	521	377	14.9	23	0.41	0.25	22	516	1	0.10	249
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4330	1990	1290																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4520	1990	1280																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.6					26			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.0					9			49		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.6					26			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.8	7.59	6	431	2	12	0.50	0.4	23	61	4510	6.70	19	2.52	1.73	30	934	< 1	0.32	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.2	7.42	9	451	2	13	0.49	0.4	23	68	4260	6.51	19	2.45	1.68	31	976	1	0.31	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.1	7.56	10	391	2	15	0.50	0.4	24	69	4320	6.75	21	1.96	1.75	32	1000	1	0.32	38
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				70.4	6.05	67		2	3	2.07	279	30	27	3720	3.74	24	2.21	0.50	14	538	13	1.34	26
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				70.5	6.61	74		2	2	2.11	285	30	27	3640	3.77	24	2.17	0.51	14	529	13	1.33	31
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				70.9	5.97	75		1	< 2	2.01	278	30	28	3600	3.71	25	2.14	0.50	14	500	14	1.26	28
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				72.6	6.20	78		1	3	2.13	289	32	34	3870	4.00	26	2.26	0.53	15	554	15	1.36	30
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas	1780	1710	222																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1890	1670	238																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1790	1630	221																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1830	1560	209																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.5	1.86	1560	23	< 1	3	2.65	2.5	1400	204	3320	28.5	< 1	0.33	2.43	18	629		0.41	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.5	1.67	1410	9	< 1	< 2	2.68	1.0	1400	223	3070	27.0	6	0.31	2.38	17	592		0.39	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.6	1.68	1410	15	< 1	3	2.72	0.9	1420	216	3100	28.2	5	0.30	2.39	17	599		0.39	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	8.01		417	1	< 2	5.71		48	1540	259	7.37	17	1.31	4.93	13	1250	2	1.61	470
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.80		413	< 1	< 2	5.73		49	1550	266	7.79	15	1.35	5.03	14	1280	2	1.62	473
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	7.67		409	< 1	< 2	5.69		50	1420	255	7.59	16	1.34	4.90	13	1260	3	1.57	466
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 247 (4 Acid) Meas				2.5	6.32	3150	481	2	< 2	0.91	< 0.3	12	86	42	3.37	14	2.48	1.24	31	391	< 1	0.48	48
OREAS 247 (4 Acid) Cert				2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9
OREAS 147 (4 Acid) Meas					5.25	16	> 1000	33	9	1.18		7	46	301	3.34	24	1.69	0.55	2140	412	4	0.99	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.28	21	> 1000	30	9	1.20		7	61	307	3.33	24	1.65	0.55	2250	402	5	0.96	24
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.1	4.83	199		< 1	5	3.76		362	31	5880	20.3	17	3.14	1.14	17	3040	104	0.99	68
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.63	214		< 1	5	3.63		357	28	5510	19.5	16	2.97	1.08	16	2930	112	0.90	67

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.2	4.83	249		< 1	4	3.83		379	32	5870	20.9	17	3.17	1.15	17	3110	121	0.97	74
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.79	134	197	< 1	< 2	2.93	0.5	77		50	5.66	9	0.60	12.8	35	1120	3	0.77	2070
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
905171 Orig				1.6	7.02	5	181	< 1	< 2	5.20	0.7	100	55	3280	11.6	15	0.59	4.48	27	1710	< 1	2.00	456
905171 Dup				1.5	6.87	5	176	< 1	< 2	5.18	1.3	96	45	3210	11.5	15	0.58	4.43	26	1680	< 1	1.98	451
905178 Orig	14	169	55																				
905178 Dup	13	174	57																				
905188 Orig	< 2	< 5	< 5																				
905188 Dup	< 2	< 5	< 5																				
905193 Orig				2.1	5.89	< 3	172	1	2	2.05	1.9	16	14	2790	6.71	20	0.49	0.76	14	914	2	2.97	75
905193 Dup				1.7	5.88	4	172	1	3	2.05	1.8	15	11	2750	6.66	21	0.49	0.75	14	898	2	2.96	77
905198 Orig	4	104	37																				
905198 Dup	3	85	31																				
905208 Orig	2	51	26																				
905208 Dup	2	52	33																				
905209 Orig				< 0.3	8.33	< 3	49	< 1	< 2	5.79	< 0.3	46	82	521	7.67	17	0.14	4.58	19	1250	< 1	2.05	148
905209 Dup				< 0.3	8.40	5	49	< 1	< 2	5.78	< 0.3	46	89	522	7.76	17	0.14	4.60	20	1270	< 1	2.05	149
905217 Orig				< 0.3	7.20	3	55	< 1	< 2	7.18	< 0.3	40	26	322	7.50	19	0.16	3.63	15	1180	< 1	1.88	101
905217 Dup				< 0.3	7.26	< 3	55	< 1	< 2	7.23	< 0.3	40	32	321	7.49	19	0.16	3.62	15	1190	< 1	1.86	100
905218 Orig	19	115	40	0.4	7.72	< 3	64	< 1	< 2	5.27	< 0.3	56	81	687	8.04	17	0.20	5.41	23	1290	< 1	1.77	236
905218 Split PREP DUP	18	115	45	0.4	7.76	< 3	65	< 1	< 2	5.30	< 0.3	57	80	702	8.11	17	0.21	5.52	23	1310	< 1	1.82	247
905218 Orig				0.4	7.65	< 3	64	< 1	2	5.24	< 0.3	56	70	683	7.96	17	0.20	5.37	23	1280	< 1	1.76	234
905218 Dup				0.3	7.78	< 3	64	< 1	< 2	5.30	0.3	56	92	692	8.12	18	0.21	5.45	23	1300	< 1	1.77	239
905220 Orig	3	< 5	< 5																				
905220 Dup	< 2	< 5	< 5																				
905227 Orig	18	83	57																				
905227 Dup	16	85	49																				
905247 Orig	19	62	40																				
905247 Dup	19	64	41																				
905257 Orig	5	< 5	< 5																				
905257 Dup	5	6	< 5																				
905259 Orig				0.6	4.91	< 3	118	< 1	< 2	4.35	< 0.3	71	31	671	12.9	16	0.37	4.25	26	1580	< 1	0.45	132
905259 Dup				0.5	4.87	< 3	116	< 1	< 2	4.33	< 0.3	69	32	680	12.9	17	0.36	4.23	26	1600	< 1	0.45	132
905261 Orig				< 0.3	6.43	< 3	270	< 1	2	4.93	< 0.3	69	42	292	13.3	19	0.71	4.10	26	1720	< 1	0.60	109
905261 Dup				< 0.3	6.41	< 3	269	< 1	2	4.94	< 0.3	69	41	288	13.3	18	0.71	4.10	26	1730	< 1	0.59	110
905267 Orig	3	< 5	< 5																				
905267 Dup	3	< 5	< 5																				
905268 Orig	< 2	< 5	< 5	< 0.3	7.77	< 3	216	< 1	< 2	5.11	< 0.3	53	26	201	10.0	20	0.38	3.31	25	1370	< 1	1.77	81
905268 Split PREP DUP	3	< 5	< 5	< 0.3	7.82	< 3	216	< 1	< 2	5.07	< 0.3	52	23	193	9.95	20	0.38	3.32	25	1350	< 1	1.73	78
905274 Orig				< 0.3	7.48	< 3	160	< 1	< 2	4.56	< 0.3	61	42	375	11.5	21	0.36	3.54	27	1510	< 1	1.71	106
905274 Dup				< 0.3	7.39	< 3	158	< 1	< 2	4.55	< 0.3	60	45	370	11.4	20	0.36	3.52	27	1500	< 1	1.69	105
905276 Orig	10	7	10																				
905276 Dup	11	7	11																				
905286 Orig	46	86	89	1.6	3.81	< 3	< 7	< 1	3	4.04	0.6	117	239	1910	14.6	14	0.02	7.14	8	1890	< 1	0.09	495

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905286 Dup	45	85	86	0.8	3.82	< 3	< 7	< 1	< 2	4.04	0.4	116	214	1930	14.6	14	0.02	7.14	8	1910	< 1	0.09	494
905296 Orig	21	58	59																				
905296 Dup	23	56	53																				
905302 Orig				0.8	5.35	< 3	151	1	2	6.68	0.4	54	788	2540	8.33	15	0.24	7.63	21	1750	< 1	1.03	294
905302 Dup				0.8	5.36	3	150	1	3	6.67	0.5	54	816	2530	8.34	15	0.24	7.64	21	1750	< 1	1.03	298
905304 Orig	14	50	35	< 0.3	7.69	< 3	216	< 1	< 2	6.63	< 0.3	54	39	302	10.2	20	0.38	3.55	16	1450	< 1	1.82	82
905304 Split PREP DUP	9	49	32	< 0.3	7.60	< 3	213	< 1	< 2	6.61	< 0.3	53	41	296	10.1	20	0.37	3.55	16	1460	< 1	1.80	81
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	13	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	4	3	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.67											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.62											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.68											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.115	24						0.35		390	77		133		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.109	22						0.36		390	80		134		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.118	21						0.35		390	77		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		312	< 5	16.4										1300	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		322	< 5	15.8										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		321	< 5	14.7										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.19										122	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.16										110	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.20										116	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.092	13	< 5	0.06	11	30			< 5	< 10	82	< 5	35	29	8
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.097	9	< 5	0.06	11	29			< 5	< 10	84	< 5	34	27	20
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.096	10	< 5	0.06	12	29			< 5	< 10	69	< 5	35	27	47

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.036	24	< 5	0.04	53	34		0.13	< 5	< 10	89	< 5	12	51	48
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.036	25	< 5	0.05	54	34		0.28	< 5	< 10	126	< 5	12	50	77
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		95	< 5	4.30										456	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		90	< 5	4.17										436	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		95	< 5	4.49										443	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.062	89	< 5	0.71	13	46		0.42	< 5	< 10	94	7	27	368	117
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.066	79	< 5	0.72	13	44		0.40	< 5	< 10	97	9	27	343	125
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.066	80	< 5	0.73	13	47		0.43	< 5	< 10	98	10	27	368	132
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.036	> 5000	13	4.57	5	62		0.18	< 5	< 10	34	< 5	11	> 10000	160
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.036	> 5000	18	4.66	6	68		0.19	< 5	< 10	35	< 5	13	> 10000	168
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.037	> 5000	14	4.81	6	64		0.18	< 5	< 10	35	< 5	11	> 10000	154
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.038	> 5000	12	4.90	6	73		0.20	< 5	< 10	37	< 5	12	> 10000	166
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		58	23		< 4	33	< 2	0.06	< 5	10	37	6	7	180	39
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		68	26		< 4	32	2	0.06	5	< 10	32	7	7	174	37
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		68	21		< 4	32	< 2	0.06	8	< 10	34	7	8	173	39
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.137	6	< 5	0.10	26	454		0.57		< 10	242	< 5	16	81	59
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.130	6	< 5	0.10	26	469		0.54		< 10	228	< 5	16	76	56
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.132	6	< 5	0.10	26	460		0.56		< 10	237	< 5	16	76	61
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 247 (4 Acid) Meas	0.046	32	395	0.71	12	98		0.38	< 5	< 10	73	< 5	18	90	131
OREAS 247 (4 Acid) Cert	0.0480	31.9	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 147 (4 Acid) Meas	0.090	28	10	0.02	11	315		0.31	6	< 10	57		28	150	20
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.093	27	10	0.02	11	313		0.28	8	< 10	55		28	147	24
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.077	11	< 5	1.70	13	103	6	0.30	< 5	40	193	14	18	25	118
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.075	8	< 5	1.65	13	109	3	0.33	< 5	30	191	19	17	22	113

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.081	14	< 5	1.74	14	94	10	0.37	< 5	30	205	29	18	24	121
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.022	14	< 5	0.29	12	75		0.18	< 5	< 10	66	< 5	9	99	61
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	110	66
905171 Orig	0.044	7	< 5	0.74	28	128	< 2	0.42	< 5	< 10	214	< 5	17	132	51
905171 Dup	0.044	6	< 5	0.72	28	124	< 2	0.43	< 5	< 10	215	< 5	17	132	50
905178 Orig															
905178 Dup															
905188 Orig															
905188 Dup															
905193 Orig	0.042	19	< 5	0.37	11	128	3	0.32	< 5	< 10	5	< 5	138	352	216
905193 Dup	0.031	19	< 5	0.36	10	128	3	0.32	< 5	< 10	5	< 5	137	351	64
905198 Orig															
905198 Dup															
905208 Orig															
905208 Dup															
905209 Orig	0.034	3	< 5	0.08	33	216	< 2	0.17	< 5	< 10	114	< 5	17	127	17
905209 Dup	0.033	5	< 5	0.09	33	221	< 2	0.34	< 5	< 10	176	< 5	17	126	27
905217 Orig	0.034	4	< 5	0.11	33	283	3	0.35	< 5	< 10	248	< 5	16	68	47
905217 Dup	0.033	3	< 5	0.11	33	287	< 2	0.32	< 5	< 10	244	< 5	16	69	47
905218 Orig	0.024	< 3	< 5	0.19	29	212	< 2	0.35	< 5	< 10	209	< 5	10	90	33
905218 Split PREP DUP	0.023	< 3	< 5	0.19	29	211	< 2	0.35	< 5	< 10	206	< 5	10	92	31
905218 Orig	0.024	< 3	< 5	0.19	29	210	< 2	0.35	< 5	< 10	207	< 5	10	90	33
905218 Dup	0.023	< 3	< 5	0.19	29	213	< 2	0.36	< 5	< 10	212	< 5	10	91	32
905220 Orig															
905220 Dup															
905227 Orig															
905227 Dup															
905247 Orig															
905247 Dup															
905257 Orig															
905257 Dup															
905259 Orig	0.074	4	< 5	0.35	32	59	5	0.47	< 5	< 10	253	< 5	29	121	116
905259 Dup	0.080	6	< 5	0.35	31	58	3	0.51	< 5	< 10	257	< 5	29	120	121
905261 Orig	0.029	5	< 5	0.19	28	132	< 2	0.65	< 5	< 10	453	< 5	15	120	45
905261 Dup	0.028	5	< 5	0.19	28	131	6	0.65	< 5	< 10	452	< 5	15	121	44
905267 Orig															
905267 Dup															
905268 Orig	0.028	5	< 5	0.07	21	239	3	0.28	< 5	< 10	260	< 5	14	100	49
905268 Split PREP DUP	0.028	5	< 5	0.07	21	239	< 2	0.31	< 5	< 10	248	< 5	14	100	45
905274 Orig	0.025	3	< 5	0.08	23	209	7	0.52	< 5	< 10	421	< 5	12	106	38
905274 Dup	0.022	4	< 5	0.08	23	208	3	0.36	< 5	< 10	383	< 5	12	105	38
905276 Orig															
905276 Dup															
905286 Orig	0.014	< 3	< 5	0.73	35	4	< 2	0.38	< 5	< 10	267	< 5	9	111	28

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905286 Dup	0.013	3	< 5	0.73	35	4	3	0.35	< 5	< 10	260	< 5	9	111	27
905296 Orig															
905296 Dup															
905302 Orig	0.122	5	< 5	0.29	30	240	3	0.34	< 5	< 10	184	< 5	30	136	21
905302 Dup	0.121	4	< 5	0.30	30	238	< 2	0.34	< 5	< 10	182	< 5	30	136	21
905304 Orig	0.037	5	< 5	0.07	36	352	8	0.27	< 5	< 10	259	< 5	11	99	6
905304 Split PREP DUP	0.036	6	< 5	0.06	36	345	< 2	0.37	< 5	< 10	288	< 5	11	99	7
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
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Quality Analysis ... *Innovative Technologies*

Report No.: **A21-17956-Final2**
Report Date: **15-Nov-21**
Date Submitted: **24-Sep-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

136 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
8-4 Acid Total Digestion	QOP Total Assay (Code 8-4 Acid Total Digestion Assays)	2021-11-12 11:55:52

REPORT **A21-17956-Final2**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Cu
Unit Symbol	%
Lower Limit	0.001
Method Code	4Acid ICPOES
905253	1.95

Analyte Symbol	Cu
Unit Symbol	%
Lower Limit	0.001
Method Code	4Acid ICPOES
OREAS 14P Meas	0.951
OREAS 14P Cert	0.997
HV-2 Meas	0.595
HV-2 Cert	0.570
OREAS 134b (4 ACID) Meas	0.132
OREAS 134b (4 ACID) Cert	0.135
MP-1b Meas	3.14
MP-1b Cert	3.07
OREAS 97 (4 Acid) Meas	6.41
OREAS 97 (4 Acid) Cert	6.31
OREAS 98 (4 Acid) Meas	15.3
OREAS 98 (4 Acid) Cert	14.8
OREAS 13b (4-Acid) Meas	0.242
OREAS 13b (4-Acid) Cert	0.2327
OREAS 13b (4-Acid) Meas	0.242
OREAS 13b (4-Acid) Cert	0.2327
CZN-4 Meas	0.404
CZN-4 Cert	0.403
PTC-1b Meas	7.57
PTC-1b Cert	7.97
CCU-1e Meas	24.2
CCU-1e Cert	22.9
OREAS 352 (4-Acid) Meas	0.065
OREAS 352 (4-Acid) Cert	0.064
NCS DC73520 Meas	0.005
NCS DC73520 Cert	0.005
905253 Orig	1.95
905253 Dup	1.95
Method Blank	< 0.001

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-20298**
Report Date: **01-Feb-22**
Date Submitted: **27-Oct-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

160 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-12-10 11:09:23
1F2	QOP Total (Total Digestion ICPOES)	2022-01-14 17:03:19

REPORT **A21-20298**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905305	< 0.3	6.87	53	99	< 1	< 2	5.62	< 0.3	36	17	324	7.48	17	0.27	2.74	12	1120	< 1	3.04	34	0.067	6	< 5
905306	< 0.3	6.98	12	105	< 1	< 2	5.62	< 0.3	36	19	343	7.56	18	0.28	2.80	12	1120	< 1	3.09	34	0.068	5	< 5
905307	0.3	7.19	7	192	< 1	< 2	5.76	0.4	53	51	325	9.23	19	0.47	3.86	17	1350	< 1	2.57	58	0.059	12	< 5
905308	0.5	6.12	10	167	< 1	3	4.99	0.4	71	513	1050	9.90	13	0.37	7.24	33	1780	< 1	1.53	435	0.020	5	< 5
905309	< 0.3	5.54	< 3	244	< 1	< 2	5.47	0.3	73	870	522	9.47	11	0.53	8.19	35	1920	< 1	1.07	471	0.008	6	< 5
905310	< 0.3	7.84	< 3	359	< 1	< 2	5.78	< 0.3	52	492	184	7.27	14	1.12	6.03	32	1460	< 1	1.35	241	0.011	< 3	< 5
905311	< 0.3	7.25	< 3	396	< 1	< 2	6.42	< 0.3	51	33	344	9.51	20	0.84	3.89	27	1390	< 1	1.08	78	0.035	6	< 5
905312	< 0.3	7.34	4	339	< 1	2	6.45	< 0.3	50	33	159	8.78	18	0.90	3.92	31	1330	< 1	1.24	82	0.034	5	< 5
905313	< 0.3	7.24	< 3	322	< 1	< 2	6.82	< 0.3	50	39	122	8.51	17	0.84	4.07	23	1390	< 1	1.38	90	0.023	5	< 5
905314	< 0.3	7.96	11	287	< 1	< 2	6.63	< 0.3	47	23	97	7.89	18	0.78	3.84	20	1290	< 1	1.63	88	0.022	5	< 5
905315	< 0.3	8.26	5	320	< 1	< 2	6.34	< 0.3	44	28	228	7.74	18	0.83	3.69	22	1230	< 1	1.79	86	0.033	5	< 5
905316	< 0.3	8.07	11	387	< 1	< 2	6.46	< 0.3	48	35	364	7.55	19	0.93	3.68	25	1150	< 1	1.77	81	0.035	5	< 5
905317	1.2	6.18	< 3	139	< 1	< 2	4.76	0.9	77	353	2620	9.49	16	0.41	7.71	33	1650	< 1	1.12	607	0.013	4	< 5
905318	0.4	6.85	< 3	112	< 1	< 2	4.32	0.4	68	385	1010	8.68	15	0.47	7.64	37	1540	< 1	1.52	525	0.012	< 3	< 5
905319	0.4	7.03	4	139	< 1	< 2	4.66	0.3	59	459	732	7.64	13	0.57	7.52	43	1430	< 1	1.62	430	0.008	33	< 5
905320	3.3	6.62	< 3	57	< 1	5	3.96	0.4	171	266	6300	13.5	14	0.61	3.81	12	1110	< 1	1.80	8420	0.060	44	< 5
905321	< 0.3	8.16	< 3	184	< 1	< 2	5.32	< 0.3	51	231	110	6.45	14	0.71	6.60	34	1310	< 1	1.82	214	0.012	13	< 5
905322	< 0.3	6.43	< 3	118	< 1	< 2	4.88	< 0.3	60	228	239	7.47	13	0.51	7.52	36	1460	< 1	1.56	245	0.017	< 3	< 5
905323	< 0.3	4.99	< 3	51	< 1	< 2	5.72	< 0.3	67	375	42	8.20	10	0.26	9.00	34	1720	< 1	0.72	310	0.006	< 3	< 5
905324	< 0.3	6.60	3	123	< 1	< 2	5.91	< 0.3	57	272	42	7.32	12	0.55	7.55	32	1520	< 1	1.27	232	0.008	< 3	< 5
905325	< 0.3	8.53	< 3	137	< 1	< 2	6.80	< 0.3	44	221	189	6.23	14	0.58	5.56	26	1220	< 1	1.64	173	0.011	< 3	< 5
905326	< 0.3	6.02	< 3	65	< 1	< 2	5.98	< 0.3	61	222	95	7.82	12	0.29	7.69	28	1630	< 1	1.15	250	0.011	< 3	< 5
905327	< 0.3	7.62	< 3	112	< 1	< 2	5.73	< 0.3	49	265	414	6.37	13	0.54	5.94	26	1310	< 1	1.80	187	0.022	< 3	< 5
905328	< 0.3	7.43	< 3	99	< 1	< 2	5.87	< 0.3	54	287	293	6.64	13	0.45	6.69	29	1430	< 1	1.58	256	0.006	< 3	< 5
905329	< 0.3	7.37	< 3	122	< 1	2	5.31	< 0.3	56	208	38	6.68	12	0.54	7.20	35	1440	< 1	1.67	205	0.003	< 3	< 5
905330	< 0.3	0.06	< 3	28	< 1	< 2	30.0	< 0.3	< 1	4	6	0.12	2	0.02	5.97	5	187	< 1	0.04	2	0.003	5	< 5
905331	< 0.3	5.92	< 3	47	< 1	< 2	4.64	< 0.3	64	209	94	7.71	11	0.22	7.81	37	1650	< 1	1.44	227	0.008	< 3	< 5
905332	< 0.3	5.43	< 3	50	< 1	< 2	4.81	< 0.3	72	273	59	8.62	10	0.20	8.73	40	1830	< 1	0.76	274	0.005	< 3	< 5
905333	< 0.3	7.92	< 3	94	< 1	< 2	5.08	0.4	59	190	607	7.01	16	0.38	6.83	35	1410	< 1	1.64	308	0.013	< 3	< 5
905334	< 0.3	9.66	62	195	< 1	3	4.48	< 0.3	59	224	75	6.64	21	0.74	6.81	52	1240	1	1.77	215	0.006	< 3	< 5
905335	< 0.3	9.24	13	157	< 1	2	3.87	< 0.3	69	177	90	7.56	19	0.56	8.18	70	1340	1	1.53	215	0.010	< 3	< 5
905336	< 0.3	9.11	6	111	< 1	< 2	2.79	< 0.3	70	127	290	8.39	21	0.43	8.67	86	1390	< 1	1.42	324	0.002	< 3	9
905337	< 0.3	9.57	3	232	< 1	< 2	3.67	< 0.3	70	216	370	6.91	19	0.90	6.41	55	1150	< 1	2.12	217	0.004	< 3	7
905338	0.3	8.26	4	105	< 1	3	2.95	< 0.3	75	387	664	8.50	19	0.34	8.26	56	1510	< 1	1.82	237	0.005	< 3	< 5
905339	0.5	5.78	< 3	36	< 1	< 2	4.21	< 0.3	76	277	798	8.26	13	0.13	8.69	38	1620	< 1	1.16	355	0.009	< 3	< 5
905340	0.5	5.80	< 3	44	< 1	< 2	4.08	0.5	79	342	979	7.94	13	0.16	8.33	37	1550	< 1	1.25	383	0.011	6	< 5
905341	0.7	4.53	< 3	< 7	< 1	< 2	4.58	< 0.3	100	480	1950	8.70	11	0.03	9.25	33	1760	< 1	0.44	696	0.004	9	< 5
905342	< 0.3	5.90	< 3	34	< 1	2	4.05	< 0.3	77	265	553	8.37	14	0.11	8.63	38	1650	< 1	1.07	324	0.005	3	< 5
905343	0.4	4.23	< 3	9	< 1	< 2	5.09	0.5	80	336	604	8.63	11	0.04	9.20	30	1850	< 1	0.59	347	0.007	< 3	< 5
905344	0.6	4.41	< 3	19	< 1	< 2	5.16	0.4	91	312	1010	8.98	11	0.05	9.06	28	1920	< 1	0.78	505	0.007	16	< 5
905345	0.9	4.92	< 3	28	< 1	2	4.77	0.6	87	300	1300	8.37	11	0.07	8.27	27	1810	< 1	1.16	528	0.019	40	< 5
905346	0.7	5.18	< 3	21	< 1	< 2	5.04	2.0	83	303	1000	9.07	12	0.06	8.38	39	1860	< 1	0.71	527	0.006	96	< 5
905347	0.7	4.97	< 3	9	< 1	< 2	4.87	< 0.3	87	260	1100	8.64	12	0.03	6.66	63	1440	< 1	0.13	525	0.017	6	< 5
905348	< 0.3	7.21	< 3	194	< 1	< 2	5.41	< 0.3	51	74	46	11.7	23	0.87	3.71	28	1890	< 1	1.80	78	0.130	5	< 5
905349	< 0.3	6.79	< 3	238	< 1	2	5.27	< 0.3	64	85	96	11.8	21	0.74	4.26	25	1860	< 1	1.41	90	0.119	5	< 5
905350	3.8	6.67	< 3	44	< 1	4	3.98	0.5	170	200	6320	13.6	14	0.61	3.84	12	1110	< 1	1.80	8300	0.060	43	< 5
905351	< 0.3	6.04	< 3	28	< 1	< 2	3.68	< 0.3	67	56	45	11.6	16	0.14	7.19	37	1810	< 1	0.47	106	0.007	< 3	< 5
905352	< 0.3	6.43	< 3	8	< 1	< 2	3.28	< 0.3	70	81	247	12.1	16	0.04	7.44	31	1910	< 1	0.66	130	0.005	< 3	< 5
905353	< 0.3	5.85	< 3	< 7	< 1	3	3.50	< 0.3	62	32	130	13.1	19	0.04	7.43	32	2040	4	0.22	82	0.008	< 3	< 5
905354	< 0.3	7.17	< 3	27	< 1	2	4.98	< 0.3	46	76	152	10.8	20	0.16	4.01	22	1420	2	1.46	55	0.043	< 3	< 5
905355	< 0.3	7.17	4	28	< 1	2	6.24	< 0.3	42	126	388	10.3	20	0.15	3.52	15	1390	< 1	1.87	53	0.049	4	< 5

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905356	< 0.3	7.07	< 3	21	< 1	< 2	6.19	< 0.3	43	85	200	10.3	20	0.13	3.57	18	1330	< 1	1.87	54	0.051	4	< 5
905357	< 0.3	7.24	< 3	22	< 1	3	6.01	< 0.3	43	94	253	10.4	19	0.10	3.67	15	1530	< 1	1.97	55	0.047	3	< 5
905358	< 0.3	7.20	< 3	20	< 1	< 2	5.97	< 0.3	44	96	161	10.5	19	0.09	3.59	14	1590	< 1	1.83	55	0.047	4	< 5
905359	< 0.3	8.79	< 3	67	< 1	< 2	5.55	< 0.3	38	82	48	7.34	19	0.14	3.25	12	1460	< 1	2.94	108	0.019	< 3	< 5
905360	< 0.3	0.16	< 3	37	< 1	< 2	29.7	< 0.3	< 1	2	6	0.09	2	0.07	6.25	6	213	< 1	0.08	2	0.004	< 3	< 5
905361	< 0.3	8.29	< 3	51	< 1	< 2	4.27	< 0.3	33	40	168	7.36	22	0.10	2.30	14	1140	< 1	3.01	138	0.038	5	< 5
905362	< 0.3	8.01	< 3	88	< 1	< 2	3.93	< 0.3	36	82	377	6.42	22	0.16	2.18	11	1000	< 1	3.11	143	0.021	3	< 5
905363	< 0.3	9.22	35	145	< 1	< 2	4.72	< 0.3	29	74	53	6.45	20	0.18	2.93	15	1230	< 1	3.39	88	0.038	< 3	< 5
905364	0.3	7.79	7	109	< 1	< 2	4.02	< 0.3	45	74	758	7.63	18	0.16	2.53	12	1130	< 1	3.13	168	0.031	3	< 5
905365	< 0.3	7.19	8	46	< 1	3	3.58	0.3	196	73	322	14.1	19	0.20	2.19	14	1030	< 1	2.61	546	0.012	5	< 5
905366	< 0.3	8.87	5	97	< 1	3	4.90	< 0.3	61	113	685	10.9	24	0.48	2.66	23	1260	< 1	2.74	270	0.020	5	< 5
905367	0.5	6.91	4	84	< 1	3	4.74	0.5	96	264	1220	20.6	25	0.19	2.34	15	1760	< 1	1.64	486	0.008	8	6
905368	< 0.3	6.73	< 3	115	< 1	3	5.36	< 0.3	49	299	245	13.0	18	0.24	4.79	28	2010	< 1	1.44	220	0.110	6	< 5
905369	< 0.3	8.59	< 3	124	< 1	3	5.28	< 0.3	61	64	774	12.6	21	0.44	2.82	42	1660	< 1	2.16	195	0.011	8	< 5
905370	< 0.3	8.68	3	132	< 1	< 2	4.73	< 0.3	72	58	436	11.6	19	0.40	2.86	28	1690	< 1	2.37	183	0.012	6	< 5
905371	< 0.3	8.73	< 3	172	< 1	2	4.81	< 0.3	33	50	38	9.04	19	0.38	3.34	32	1850	< 1	2.58	86	0.047	3	< 5
905372	< 0.3	8.43	< 3	74	< 1	3	5.05	< 0.3	29	41	74	11.5	22	0.19	3.57	26	2150	< 1	1.87	62	0.032	3	< 5
905373	< 0.3	6.85	4	82	< 1	2	4.84	0.4	116	40	423	17.6	19	0.22	2.83	13	1670	1	1.76	337	0.016	7	< 5
905374	1.2	1.32	13	20	< 1	4	3.62	0.6	416	220	1970	38.8	6	0.06	2.56	3	1140	1	0.21	1390	0.016	23	< 5
905375	1.1	1.35	7	21	< 1	4	3.64	0.5	469	208	2200	37.2	6	0.06	2.48	4	1130	1	0.21	1370	0.014	19	7
905376	0.4	8.36	8	78	< 1	3	6.38	0.4	63	13	841	14.0	24	0.45	2.76	29	1980	< 1	1.41	184	0.010	7	< 5
905377	0.4	7.99	5	136	< 1	< 2	6.74	1.1	68	86	738	12.8	20	0.28	2.88	16	1980	< 1	1.71	251	0.032	8	< 5
905378	< 0.3	8.67	< 3	167	< 1	< 2	6.42	0.7	28	142	49	7.77	20	0.19	3.04	14	1970	< 1	2.40	134	0.050	5	< 5
905379	< 0.3	7.59	< 3	540	< 1	< 2	6.87	< 0.3	49	91	88	7.76	15	1.31	4.95	25	1320	< 1	1.38	137	0.020	< 3	< 5
905380	3.4	6.55	< 3	55	< 1	5	3.92	0.6	168	224	6240	13.4	14	0.61	3.77	12	1130	2	1.79	8210	0.062	47	< 5
905381	< 0.3	7.89	3	516	< 1	< 2	5.91	< 0.3	53	79	178	9.08	18	1.19	4.60	29	1440	< 1	1.64	139	0.035	< 3	< 5
905382	0.3	7.83	< 3	320	< 1	< 2	5.37	< 0.3	56	54	362	10.1	19	0.85	4.54	34	1480	< 1	1.83	145	0.046	4	< 5
905383	< 0.3	7.71	< 3	571	< 1	< 2	5.01	< 0.3	61	135	139	7.80	13	1.26	6.38	33	1480	< 1	1.42	253	0.012	< 3	< 5
905384	< 0.3	7.53	< 3	532	< 1	< 2	5.00	< 0.3	61	257	36	7.47	12	1.09	6.69	39	1430	< 1	1.51	225	0.007	< 3	< 5
905385	< 0.3	8.15	< 3	394	< 1	< 2	4.91	< 0.3	58	286	14	7.25	13	0.97	6.74	41	1420	< 1	1.62	226	0.003	< 3	< 5
905386	< 0.3	8.65	< 3	302	< 1	3	5.18	< 0.3	48	165	60	6.39	13	0.91	5.64	33	1160	< 1	1.96	204	0.002	< 3	< 5
905387	< 0.3	9.02	< 3	281	< 1	< 2	5.02	< 0.3	56	235	198	6.50	13	1.06	5.79	41	1150	< 1	1.87	299	0.002	< 3	< 5
905388	< 0.3	8.95	< 3	287	< 1	< 2	4.62	< 0.3	58	151	345	6.63	13	0.97	5.88	37	1190	< 1	1.89	378	0.003	< 3	< 5
905389	< 0.3	7.09	< 3	205	< 1	< 2	4.53	< 0.3	66	105	352	8.31	14	0.62	6.25	33	1400	< 1	1.69	296	0.032	4	< 5
905390	< 0.3	0.06	< 3	85	< 1	< 2	31.0	< 0.3	< 1	6	< 1	0.18	2	0.01	5.34	3	210	< 1	0.03	2	0.004	< 3	< 5
905391	< 0.3	6.99	< 3	186	< 1	< 2	4.20	< 0.3	59	133	524	6.85	14	0.62	5.71	31	1190	< 1	1.95	215	0.053	< 3	< 5
905392	0.3	4.23	< 3	17	< 1	< 2	5.32	< 0.3	80	366	663	8.76	9	0.10	9.32	30	1780	< 1	0.42	512	0.003	3	< 5
905393	1.0	6.26	40	119	< 1	< 2	5.14	< 0.3	77	207	2010	8.28	13	0.31	6.96	31	1440	< 1	1.23	677	0.015	6	< 5
905394	0.4	6.94	8	222	< 1	< 2	5.52	< 0.3	59	56	725	9.49	17	0.68	4.70	32	1390	< 1	1.67	222	0.038	3	< 5
905395	1.6	6.73	5	123	< 1	2	4.49	< 0.3	93	157	3200	8.25	13	0.45	7.08	31	1440	< 1	1.37	1150	0.003	29	< 5
905396	0.9	9.16	3	307	< 1	< 2	4.60	< 0.3	64	158	2140	6.64	14	1.05	5.60	38	1130	< 1	1.87	769	0.002	6	< 5
905397	0.5	7.79	< 3	292	< 1	< 2	4.39	< 0.3	59	185	958	7.44	14	0.70	6.20	36	1330	< 1	1.87	384	0.002	4	< 5
905398	1.8	7.09	3	173	< 1	3	4.18	< 0.3	85	171	3190	8.63	13	0.54	6.81	39	1380	< 1	1.69	818	0.005	8	< 5
905399	2.1	6.91	3	167	< 1	< 2	4.21	0.4	95	271	3320	8.61	13	0.54	6.72	39	1390	< 1	1.61	908	0.004	12	< 5
905400	0.8	3.92	< 3	7	< 1	< 2	4.84	0.4	88	238	1740	10.2	9	0.06	8.77	33	1910	< 1	0.28	542	0.007	7	< 5
905401	1.0	4.63	< 3	35	< 1	< 2	4.40	< 0.3	85	168	2010	10.1	10	0.12	8.09	31	1810	< 1	0.54	612	0.004	4	< 5
905402	0.9	5.57	11	68	< 1	< 2	4.62	< 0.3	75	86	1800	8.78	15	0.24	7.33	27	1630	1	1.33	560	0.004	5	< 5
905403	0.4	7.18	5	102	< 1	< 2	3.89	< 0.3	46	48	558	6.63	18	0.38	6.11	44	1060	2	1.77	162	0.017	< 3	< 5
905404	< 0.3	7.15	< 3	201	< 1	3	3.03	< 0.3	31	74	28	8.82	21	0.48	7.73	64	1300	< 1	0.93	59	0.012	< 3	< 5
905405	0.3	8.29	8	216	< 1	< 2	3.56	< 0.3	35	37	44	9.87	24	0.48	5.55	47	1440	< 1	1.25	69	0.004	3	< 5
905406	< 0.3	7.26	5	77	< 1	3	2.70	< 0.3	57	64	84	12.6	23	0.13	7.79	54	1790	< 1	0.27	73	0.001	4	< 5

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905407	0.4	6.11	< 3	15	< 1	< 2	1.33	< 0.3	40	55	6	9.98	19	0.05	6.69	52	1460	< 1	0.08	56	0.002	< 3	< 5
905408	< 0.3	7.99	< 3	245	< 1	< 2	3.74	< 0.3	39	115	78	8.41	18	0.95	5.58	39	1530	< 1	1.41	125	0.004	< 3	< 5
905409	< 0.3	7.81	5	177	< 1	4	5.68	< 0.3	51	138	124	11.5	20	0.64	5.36	32	1810	< 1	1.12	129	0.003	4	< 5
905410	3.6	6.64	< 3	122	< 1	7	3.97	0.6	167	247	6270	13.7	14	0.61	3.86	12	1140	4	1.78	8290	0.066	42	< 5
905411	< 0.3	7.93	5	251	< 1	2	3.90	< 0.3	46	88	84	10.4	22	0.85	5.61	48	1520	4	1.25	89	0.005	< 3	< 5
905412	< 0.3	5.83	< 3	30	< 1	2	2.28	< 0.3	38	77	56	9.86	19	0.10	6.77	42	1380	< 1	0.36	71	0.009	3	< 5
905413	1.4	8.66	< 3	59	< 1	3	3.87	< 0.3	44	307	193	10.5	20	0.20	6.38	42	1470	< 1	1.39	120	0.069	3	< 5
905414	< 0.3	6.71	5	33	< 1	< 2	4.15	< 0.3	60	119	257	12.7	19	0.13	6.35	38	1470	< 1	0.60	87	0.014	4	< 5
905415	< 0.3	7.62	4	134	< 1	4	3.07	< 0.3	53	38	108	12.1	21	0.56	6.41	54	1260	1	0.72	72	0.005	3	< 5
905416	< 0.3	7.38	5	108	< 1	3	4.52	< 0.3	56	72	411	11.7	20	0.52	6.01	51	1440	< 1	0.58	131	0.015	< 3	< 5
905417	0.6	8.19	4	288	< 1	< 2	4.11	< 0.3	53	45	589	8.93	18	1.11	5.14	34	1320	< 1	1.26	180	0.022	< 3	< 5
905418	< 0.3	6.00	4	70	< 1	2	3.95	< 0.3	59	156	466	12.3	18	0.23	7.65	40	2030	< 1	0.46	151	0.005	4	< 5
905419	0.8	6.40	< 3	43	< 1	3	1.93	0.6	136	82	944	15.3	21	0.11	7.12	44	2060	< 1	0.21	166	0.004	6	< 5
905420	< 0.3	0.15	< 3	208	< 1	< 2	29.9	< 0.3	< 1	4	4	0.31	2	0.01	5.59	5	194	< 1	0.04	1	0.004	< 3	< 5
905421	< 0.3	6.81	33	< 7	< 1	2	1.41	< 0.3	48	108	207	13.2	22	0.02	7.20	39	1850	< 1	0.11	55	0.003	4	< 5
905422	< 0.3	7.03	6	240	< 1	< 2	4.14	< 0.3	46	428	197	9.00	18	0.71	7.19	37	1680	< 1	1.46	186	0.028	< 3	< 5
905423	< 0.3	7.63	4	241	< 1	< 2	3.21	< 0.3	36	447	124	6.92	20	0.83	6.43	37	1180	< 1	1.84	189	0.039	< 3	< 5
905424	< 0.3	6.14	< 3	192	< 1	< 2	3.70	< 0.3	46	892	81	8.30	17	0.50	8.35	45	1400	< 1	0.84	260	0.053	< 3	< 5
905425	< 0.3	5.11	< 3	78	< 1	< 2	2.02	< 0.3	31	381	58	7.72	17	0.26	6.05	48	995	< 1	0.35	138	0.061	3	< 5
905426	< 0.3	6.93	< 3	82	< 1	4	1.75	< 0.3	45	34	387	12.0	23	0.18	6.43	55	1180	< 1	0.54	106	0.005	3	< 5
905427	0.7	6.06	< 3	32	< 1	4	2.18	< 0.3	50	26	536	13.5	23	0.10	5.58	43	1380	< 1	0.32	92	0.006	5	< 5
905428	1.5	4.36	< 3	34	< 1	2	4.12	0.7	88	58	2140	14.0	15	0.12	6.63	29	1910	< 1	0.36	327	0.017	6	< 5
905429	1.2	4.39	< 3	108	< 1	< 2	4.64	0.4	77	91	1770	12.5	15	0.24	5.76	21	1910	< 1	0.84	319	0.034	6	< 5
905430	0.9	4.60	< 3	97	< 1	< 2	4.28	0.4	70	84	1380	12.2	15	0.22	5.46	21	1820	< 1	1.02	266	0.035	6	< 5
905431	0.7	6.39	< 3	303	< 1	< 2	4.33	< 0.3	59	103	1030	10.3	17	0.69	6.35	29	1770	< 1	1.11	227	0.011	6	< 5
905432	< 0.3	7.77	< 3	306	< 1	< 2	3.48	< 0.3	54	131	477	8.65	17	0.88	5.57	38	1450	< 1	1.83	180	0.005	4	< 5
905433	< 0.3	8.11	< 3	393	< 1	< 2	3.54	< 0.3	55	127	382	9.42	19	0.88	4.73	35	1460	< 1	1.88	153	0.012	< 3	< 5
905434	0.4	6.01	< 3	242	< 1	< 2	4.12	< 0.3	59	54	363	10.8	19	0.54	4.11	31	1680	< 1	1.47	125	0.061	5	< 5
905435	0.3	6.33	6	446	< 1	< 2	4.02	< 0.3	56	52	336	9.92	18	1.25	3.65	40	1580	1	1.19	121	0.037	5	< 5
905436	0.5	7.10	< 3	186	< 1	3	4.41	< 0.3	50	73	317	10.0	21	0.45	2.99	19	1390	< 1	2.23	110	0.094	4	< 5
905437	0.4	5.96	< 3	97	< 1	3	5.36	< 0.3	66	163	694	12.4	19	0.36	4.20	20	1900	< 1	1.30	182	0.049	8	< 5
905438	< 0.3	7.85	< 3	286	< 1	< 2	7.11	< 0.3	48	143	230	8.69	17	0.88	4.45	22	1600	< 1	1.45	138	0.006	7	< 5
905439	< 0.3	7.69	< 3	38	< 1	< 2	5.26	< 0.3	50	68	87	10.1	19	0.18	3.66	24	1340	< 1	2.57	61	0.054	3	< 5
905440	< 0.3	7.38	< 3	242	< 1	2	6.10	< 0.3	50	66	154	10.2	20	0.15	3.76	29	1320	< 1	2.20	62	0.057	6	< 5
905441	< 0.3	7.56	< 3	65	< 1	2	5.53	< 0.3	50	63	162	9.67	19	0.23	3.77	39	1230	< 1	2.34	57	0.054	5	< 5
905442	< 0.3	8.06	< 3	386	< 1	< 2	4.66	< 0.3	68	60	94	9.81	16	1.09	5.52	48	1410	2	1.47	272	0.027	5	< 5
905443	< 0.3	6.03	< 3	39	< 1	3	5.32	< 0.3	104	128	53	10.8	11	0.16	9.15	44	1680	< 1	0.23	543	0.010	7	< 5
905444	< 0.3	9.26	5	211	< 1	< 2	6.72	< 0.3	63	252	449	6.94	15	0.89	5.50	46	1100	< 1	1.39	395	0.008	8	< 5
905445	< 0.3	10.1	< 3	210	< 1	< 2	6.20	< 0.3	67	194	484	6.55	14	0.93	6.16	57	1070	< 1	1.21	463	0.004	21	< 5
905446	0.6	8.94	< 3	233	< 1	< 2	6.29	< 0.3	75	152	1660	7.05	13	0.95	6.47	41	1150	< 1	0.97	596	0.009	7	< 5
905447	0.5	10.4	< 3	717	< 1	< 2	5.64	0.4	43	192	815	4.78	13	2.05	4.78	41	913	< 1	1.62	434	0.006	< 3	< 5
905448	2.1	11.6	3	190	< 1	< 2	7.26	< 0.3	73	131	5240	5.10	19	0.75	3.13	38	736	< 1	2.13	1130	0.008	11	< 5
905449	0.6	11.2	< 3	605	< 1	< 2	6.27	< 0.3	34	137	1520	3.99	16	2.16	3.13	32	704	< 1	1.89	533	0.012	4	< 5
905450	3.4	6.68	< 3	63	< 1	< 2	3.96	0.5	167	233	6420	13.7	14	0.61	3.88	12	1140	1	1.82	8310	0.061	43	< 5
905451	1.1	11.3	36	353	< 1	< 2	7.52	< 0.3	36	171	2480	3.50	16	1.61	2.79	50	591	< 1	2.02	530	0.006	16	< 5
905452	0.8	10.8	5	360	< 1	< 2	4.78	< 0.3	44	204	1650	5.07	14	1.82	4.19	46	800	< 1	2.14	678	0.004	15	< 5
905453	1.6	10.8	< 3	319	< 1	< 2	5.10	< 0.3	60	165	3370	6.20	15	1.46	4.76	52	904	< 1	1.91	1040	0.007	7	< 5
905454	2.5	11.8	< 3	162	< 1	< 2	7.07	< 0.3	53	67	4550	5.21	19	0.66	3.16	40	737	< 1	2.10	808	0.010	5	< 5
905455	0.8	10.9	< 3	471	< 1	3	6.35	0.4	45	71	2010	4.61	17	1.88	3.40	33	757	< 1	1.85	653	0.009	4	< 5
905456	0.4	9.96	< 3	328	< 1	< 2	6.62	< 0.3	36	114	1170	4.74	15	1.35	4.23	34	884	< 1	1.92	462	0.007	4	< 5
905457	< 0.3	10.4	3	465	< 1	< 2	5.53	< 0.3	40	131	668	4.88	14	1.83	4.71	39	942	< 1	1.88	331	0.005	< 3	< 5

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905458	0.6	6.24	< 3	180	< 1	< 2	6.15	< 0.3	66	264	1540	7.08	11	0.70	7.59	34	1480	< 1	1.00	575	0.008	< 3	< 5
905459	0.4	7.92	< 3	349	< 1	< 2	5.58	< 0.3	57	443	1270	6.25	13	1.25	6.74	41	1210	< 1	1.18	460	0.006	< 3	< 5
905460	< 0.3	0.05	< 3	22	< 1	< 2	25.2	< 0.3	< 1	5	4	0.18	2	0.02	7.99	8	220	< 1	0.03	2	0.003	< 3	< 5
905461	0.5	7.06	< 3	193	< 1	3	5.26	< 0.3	65	119	933	8.83	15	0.53	6.43	38	1470	< 1	1.67	422	0.024	4	< 5
905462	< 0.3	6.14	< 3	89	< 1	< 2	4.73	< 0.3	93	148	232	10.5	13	0.23	8.04	42	1680	< 1	0.99	654	0.024	< 3	< 5
905463	1.0	3.24	< 3	< 7	< 1	< 2	5.97	< 0.3	111	410	2130	9.06	9	0.01	10.9	13	1720	< 1	0.07	1340	0.005	9	< 5
905464	< 0.3	6.02	< 3	213	< 1	< 2	4.72	< 0.3	73	228	437	9.17	11	0.61	8.30	40	1740	< 1	0.87	551	0.006	4	< 5

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
905305	0.06	36	172	4	0.16	< 5	10	130	< 5	39	64	84	18	18	10
905306	0.07	37	168	< 2	0.16	< 5	10	131	< 5	40	64	79	14	10	11
905307	0.30	35	160	< 2	0.23	< 5	< 10	177	< 5	24	131	51	12	18	21
905308	0.13	32	70	< 2	0.22	< 5	< 10	160	9	8	179	28	54	796	324
905309	0.06	34	50	< 2	0.13	< 5	< 10	133	< 5	5	170	15	60	193	265
905310	0.02	28	197	< 2	0.22	< 5	< 10	153	< 5	6	109	19	26	58	118
905311	0.05	40	277	< 2	0.39	< 5	< 10	299	< 5	18	81	47	19	133	111
905312	0.03	39	275	< 2	0.37	< 5	< 10	246	< 5	17	68	53	7	76	66
905313	0.03	41	253	< 2	0.28	< 5	< 10	225	< 5	13	77	37	6	62	43
905314	0.02	38	260	2	0.26	< 5	< 10	198	< 5	12	75	34	6	36	56
905315	0.08	32	273	3	0.28	< 5	< 10	177	< 5	13	72	48	35	1330	948
905316	0.32	36	288	< 2	0.39	< 5	< 10	278	< 5	16	65	49	15	44	56
905317	0.34	33	81	< 2	0.19	< 5	< 10	162	< 5	8	144	21	169	6450	2390
905318	0.14	26	91	< 2	0.15	< 5	< 10	134	< 5	6	111	19	28	84	153
905319	0.09	30	103	< 2	0.12	< 5	< 10	125	< 5	5	117	14	27	388	146
905320	3.34	11	270	< 2	0.37	< 5	< 10	93	< 5	11	120	61	170	1330	676
905321	0.02	28	168	< 2	0.14	< 5	< 10	127	< 5	6	85	20	3	34	50
905322	0.03	31	107	3	0.22	< 5	< 10	165	< 5	8	86	29	12	81	79
905323	< 0.01	35	64	< 2	0.11	< 5	< 10	136	< 5	4	88	11	7	242	212
905324	< 0.01	32	137	< 2	0.13	< 5	< 10	132	< 5	5	80	15	< 2	16	22
905325	0.03	32	234	< 2	0.14	< 5	< 10	135	< 5	6	67	14	8	39	44
905326	0.02	32	110	< 2	0.15	< 5	< 10	131	< 5	6	78	20	3	49	67
905327	0.06	29	178	< 2	0.21	< 5	< 10	136	< 5	8	64	36	13	83	52
905328	0.04	30	160	3	0.12	< 5	< 10	117	< 5	5	69	12	11	55	41
905329	< 0.01	28	160	< 2	0.09	< 5	< 10	100	< 5	4	73	8	< 2	36	29
905330	< 0.01	< 4	107	< 2	< 0.01	< 5	10	< 2	< 5	1	8	< 5	< 2	< 5	< 5
905331	0.02	30	71	< 2	0.14	< 5	< 10	118	< 5	8	76	22	4	36	22
905332	0.02	34	57	< 2	0.12	< 5	< 10	125	< 5	5	84	12	< 2	142	149
905333	0.08	24	166	< 2	0.13	< 5	< 10	101	< 5	5	77	18	15	94	88
905334	0.01	15	224	< 2	0.06	< 5	< 10	63	< 5	3	81	6	< 2	13	10
905335	0.02	18	164	< 2	0.11	< 5	< 10	78	7	3	93	10	< 2	18	10
905336	0.05	13	114	5	0.05	< 5	< 10	73	< 5	1	96	< 5	4	13	6
905337	0.08	15	172	< 2	0.06	< 5	< 10	62	< 5	2	73	< 5	11	60	40
905338	0.08	21	97	< 2	0.07	< 5	< 10	86	< 5	1	111	< 5	21	18	20
905339	0.11	28	57	< 2	0.13	< 5	< 10	116	< 5	5	93	19	20	554	311
905340	0.14	27	64	< 2	0.13	< 5	< 10	111	< 5	6	90	21	24	384	212
905341	0.26	30	21	< 2	0.09	< 5	< 10	105	< 5	3	120	9	48	237	228
905342	0.09	28	62	< 2	0.10	< 5	< 10	104	< 5	3	110	12	13	52	65
905343	0.08	34	26	< 2	0.13	< 5	< 10	122	< 5	5	104	14	12	41	71
905344	0.23	32	39	< 2	0.12	< 5	< 10	118	< 5	5	127	16	19	60	71
905345	0.23	33	54	< 2	0.17	< 5	< 10	127	< 5	7	147	26	23	69	69
905346	0.19	30	40	< 2	0.11	< 5	< 10	111	6	5	514	10	20	82	86
905347	0.24	29	31	< 2	0.17	< 5	< 10	123	< 5	10	82	36	24	85	70
905348	0.09	31	194	9	0.14	< 5	< 10	112	< 5	32	96	14	< 2	< 5	< 5
905349	0.29	33	169	< 2	0.21	< 5	< 10	149	< 5	28	115	27	< 2	< 5	< 5
905350	3.28	12	272	< 2	0.29	< 5	< 10	78	< 5	11	118	56	136	1340	666
905351	< 0.01	35	43	< 2	0.16	< 5	< 10	158	< 5	5	200	14	< 2	< 5	< 5
905352	0.03	33	51	< 2	0.14	< 5	< 10	142	< 5	4	233	12	< 2	21	8
905353	0.02	40	17	< 2	0.52	< 5	< 10	292	< 5	21	235	55	< 2	10	< 5
905354	0.12	39	180	< 2	0.59	< 5	< 10	282	< 5	25	109	52	< 2	6	< 5
905355	0.13	41	220	3	0.26	< 5	< 10	207	< 5	27	92	45	2	5	6

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
905356	0.18	41	211	< 2	0.11	< 5	< 10	133	< 5	28	82	15	< 2	5	5
905357	0.11	43	191	4	0.48	< 5	< 10	273	< 5	25	92	49	4	6	5
905358	0.10	42	192	< 2	0.52	< 5	< 10	283	6	24	90	49	< 2	6	5
905359	0.13	22	183	< 2	0.37	< 5	< 10	180	< 5	5	120	8	< 2	< 5	< 5
905360	< 0.01	< 4	112	< 2	< 0.01	< 5	10	< 2	< 5	2	10	< 5	< 2	< 5	< 5
905361	0.65	11	195	< 2	0.24	< 5	< 10	74	< 5	10	105	32	3	5	< 5
905362	0.76	14	176	< 2	0.23	< 5	10	92	< 5	11	125	23	< 2	6	< 5
905363	0.16	18	220	< 2	0.22	< 5	10	113	< 5	4	120	10	< 2	< 5	< 5
905364	1.19	15	206	< 2	0.25	< 5	10	99	< 5	5	110	25	4	10	11
905365	5.72	13	201	< 2	0.26	< 5	< 10	106	< 5	4	102	14	< 2	8	< 5
905366	2.66	20	319	2	0.34	< 5	< 10	127	< 5	7	122	11	2	12	7
905367	5.65	24	289	< 2	0.53	< 5	< 10	107	10	4	131	7	2	60	24
905368	1.39	31	194	4	0.53	< 5	< 10	125	< 5	12	171	23	< 2	15	< 5
905369	2.31	21	204	< 2	0.48	< 5	< 10	73	< 5	3	141	7	3	18	10
905370	2.36	21	204	3	0.39	< 5	< 10	84	< 5	3	166	6	< 2	7	< 5
905371	0.25	26	200	< 2	0.29	< 5	< 10	107	< 5	5	167	7	< 2	< 5	< 5
905372	0.41	25	152	3	0.71	< 5	< 10	121	< 5	4	226	10	< 2	< 5	< 5
905373	3.87	26	155	< 2	0.33	< 5	< 10	68	< 5	9	253	21	< 2	11	9
905374	13.7	30	30	< 2	0.15	< 5	10	48	7	8	206	24	6	95	35
905375	14.4	29	34	< 2	0.15	< 5	10	48	9	7	214	21	4	94	35
905376	2.32	33	271	3	0.54	< 5	< 10	48	6	6	269	12	< 2	8	< 5
905377	2.74	30	246	< 2	0.39	< 5	< 10	72	7	9	481	16	< 2	10	6
905378	0.12	19	258	< 2	0.34	< 5	< 10	129	6	10	410	17	< 2	< 5	< 5
905379	0.02	40	181	< 2	0.26	< 5	< 10	207	< 5	11	64	29	21	21	7
905380	3.30	11	268	< 2	0.42	< 5	< 10	91	< 5	10	118	59	144	1330	696
905381	0.05	38	222	< 2	0.48	< 5	< 10	283	< 5	14	70	41	9	78	79
905382	0.07	34	183	< 2	0.44	< 5	< 10	250	< 5	17	75	68	11	1130	305
905383	0.02	26	120	< 2	0.21	< 5	< 10	142	< 5	6	77	19	12	725	462
905384	< 0.01	28	92	< 2	0.12	< 5	< 10	112	< 5	4	77	14	32	368	166
905385	< 0.01	25	128	< 2	0.09	< 5	< 10	95	< 5	3	77	9	51	201	141
905386	0.01	22	182	< 2	0.07	< 5	< 10	85	< 5	3	67	6	30	74	62
905387	0.03	18	177	4	0.06	< 5	< 10	72	< 5	2	70	6	24	204	111
905388	0.07	19	195	< 2	0.07	< 5	< 10	78	< 5	3	66	7	16	463	242
905389	0.07	26	127	2	0.22	< 5	< 10	123	< 5	11	81	51	110	592	681
905390	< 0.01	< 4	85	< 2	< 0.01	< 5	< 10	< 2	< 5	1	7	< 5	< 2	< 5	< 5
905391	0.17	25	145	6	0.27	< 5	< 10	125	< 5	17	69	80	47	255	191
905392	0.09	31	16	< 2	0.10	< 5	< 10	108	< 5	4	92	8	45	349	289
905393	0.30	25	62	< 2	0.12	< 5	< 10	108	< 5	6	120	28	158	971	568
905394	0.22	36	171	9	0.54	< 5	< 10	316	< 5	17	69	53	41	406	283
905395	0.66	23	115	< 2	0.09	< 5	< 10	87	< 5	3	128	7	217	1500	682
905396	0.38	19	209	< 2	0.07	< 5	< 10	73	< 5	3	100	< 5	58	455	198
905397	0.16	22	138	< 2	0.07	< 5	< 10	79	< 5	4	103	6	48	127	67
905398	0.44	26	109	< 2	0.10	< 5	< 10	100	< 5	4	124	8	90	388	234
905399	0.52	27	113	< 2	0.10	< 5	< 10	101	< 5	4	163	8	98	688	378
905400	0.20	37	13	< 2	0.16	< 5	< 10	147	< 5	10	121	19	96	331	438
905401	0.21	34	24	< 2	0.12	< 5	< 10	129	< 5	7	119	13	85	246	229
905402	0.24	30	71	< 2	0.11	< 5	< 10	108	< 5	10	153	26	62	235	206
905403	0.16	19	116	2	0.16	< 5	< 10	93	< 5	24	101	72	21	77	48
905404	0.06	31	148	< 2	0.52	< 5	< 10	250	7	20	155	48	< 2	< 5	< 5
905405	0.02	24	390	< 2	0.33	< 5	< 10	217	< 5	10	175	59	< 2	17	6
905406	0.09	41	51	< 2	0.35	< 5	< 10	369	< 5	8	251	12	< 2	< 5	< 5

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
905407	< 0.01	29	11	< 2	0.24	< 5	< 10	188	< 5	24	235	127	< 2	< 5	< 5
905408	0.07	23	187	< 2	0.29	< 5	< 10	181	< 5	5	197	31	< 2	6	< 5
905409	0.22	33	342	10	0.73	< 5	< 10	325	< 5	5	201	5	< 2	< 5	< 5
905410	3.31	11	278	4	0.56	< 5	< 10	108	< 5	10	113	57	183	1320	641
905411	0.18	27	134	5	0.57	< 5	< 10	262	11	5	201	20	< 2	7	< 5
905412	0.01	29	64	< 2	0.25	< 5	< 10	171	< 5	17	192	68	< 2	32	10
905413	0.03	25	363	< 2	0.37	< 5	< 10	256	< 5	5	169	< 5	4	9	< 5
905414	0.12	41	171	6	0.33	< 5	< 10	356	< 5	5	166	24	6	12	< 5
905415	0.06	36	173	< 2	0.67	< 5	< 10	411	< 5	8	149	18	< 2	11	< 5
905416	0.09	35	294	3	0.65	< 5	< 10	391	< 5	11	176	21	10	173	85
905417	0.08	26	256	< 2	0.27	< 5	< 10	161	< 5	10	184	38	9	32	26
905418	0.16	37	95	5	0.30	< 5	< 10	207	< 5	6	276	9	8	27	10
905419	1.19	38	30	< 2	0.59	< 5	< 10	333	< 5	8	278	8	15	25	10
905420	< 0.01	< 4	90	< 2	0.01	< 5	< 10	4	< 5	1	10	< 5	< 2	< 5	< 5
905421	0.07	38	13	< 2	0.30	< 5	< 10	275	< 5	13	280	18	4	< 5	< 5
905422	0.03	30	225	< 2	0.29	< 5	< 10	196	< 5	8	207	7	< 2	6	< 5
905423	0.03	18	215	< 2	0.15	< 5	< 10	104	< 5	11	151	23	< 2	8	< 5
905424	0.01	23	83	< 2	0.17	< 5	< 10	104	< 5	11	171	15	< 2	14	8
905425	0.01	18	34	< 2	0.24	< 5	< 10	104	< 5	10	140	39	< 2	< 5	< 5
905426	0.21	35	87	4	0.59	< 5	< 10	282	< 5	12	172	31	6	35	12
905427	0.78	20	114	4	0.75	< 5	< 10	102	< 5	19	150	101	10	48	18
905428	0.31	34	24	< 2	0.40	< 5	< 10	224	< 5	17	182	70	17	34	27
905429	0.33	32	62	< 2	0.38	< 5	< 10	213	< 5	25	157	69	25	54	57
905430	0.25	30	65	< 2	0.38	< 5	< 10	205	< 5	28	155	73	20	42	45
905431	0.28	24	110	< 2	0.19	< 5	< 10	103	< 5	8	171	25	12	43	38
905432	0.13	20	152	< 2	0.11	< 5	< 10	80	< 5	5	147	11	5	31	15
905433	0.08	20	204	< 2	0.26	< 5	< 10	146	< 5	8	137	21	4	13	7
905434	0.07	29	128	< 2	0.36	< 5	< 10	194	< 5	27	128	79	2	6	< 5
905435	0.20	25	139	5	0.28	< 5	< 10	188	< 5	18	110	43	5	< 5	< 5
905436	0.13	22	233	< 2	0.40	< 5	< 10	229	6	32	101	112	3	< 5	5
905437	0.25	32	190	< 2	0.27	< 5	< 10	245	< 5	26	130	38	9	24	23
905438	0.13	39	285	< 2	0.32	< 5	< 10	178	< 5	11	114	8	3	9	8
905439	0.07	38	230	< 2	0.34	< 5	< 10	195	< 5	32	77	51	< 2	< 5	< 5
905440	0.13	36	230	< 2	0.39	< 5	< 10	185	< 5	30	86	38	< 2	< 5	< 5
905441	0.12	36	164	< 2	0.34	< 5	< 10	212	< 5	29	91	41	< 2	< 5	< 5
905442	0.03	22	153	< 2	0.29	< 5	< 10	156	< 5	11	100	29	< 2	15	9
905443	0.02	14	49	< 2	0.09	< 5	< 10	67	< 5	3	133	21	< 2	16	19
905444	0.06	14	181	< 2	0.09	< 5	< 10	70	< 5	4	100	11	11	277	111
905445	0.06	8	166	< 2	0.05	< 5	< 10	37	< 5	2	79	6	14	123	37
905446	0.20	14	142	< 2	0.09	< 5	< 10	69	< 5	4	89	14	48	626	140
905447	0.11	15	182	2	0.08	< 5	< 10	72	< 5	3	70	10	47	466	142
905448	0.69	12	289	< 2	0.07	< 5	< 10	64	< 5	3	64	10	72	733	180
905449	0.21	17	282	< 2	0.13	< 5	< 10	93	< 5	5	54	15	37	314	107
905450	3.33	12	275	< 2	0.42	< 5	< 10	94	< 5	11	117	65	182	1310	614
905451	0.30	12	179	< 2	0.07	< 5	< 10	61	< 5	3	61	8	49	537	168
905452	0.22	15	218	< 2	0.07	< 5	< 10	67	< 5	3	78	7	68	516	184
905453	0.47	17	235	< 2	0.08	< 5	< 10	84	< 5	4	85	7	122	1030	326
905454	0.54	12	312	< 2	0.09	< 5	< 10	67	< 5	3	60	8	16	640	156
905455	0.33	14	287	< 2	0.11	< 5	< 10	77	< 5	4	62	11	72	583	165
905456	0.14	15	158	< 2	0.08	< 5	< 10	72	< 5	3	55	10	74	345	110
905457	0.08	16	190	< 2	0.08	< 5	< 10	74	< 5	3	51	8	42	427	133

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
905458	0.17	30	77	9	0.12	< 5	< 10	125	< 5	5	73	15	63	762	415
905459	0.17	25	126	< 2	0.10	< 5	< 10	105	< 5	4	68	10	137	1630	735
905460	< 0.01	< 4	86	< 2	< 0.01	< 5	10	< 2	< 5	< 1	12	< 5	< 2	< 5	< 5
905461	0.14	28	125	< 2	0.30	< 5	< 10	178	< 5	11	74	36	79	1500	529
905462	0.03	24	48	3	0.28	< 5	< 10	145	< 5	10	93	41	14	126	70
905463	0.51	19	7	< 2	0.07	< 5	< 10	74	< 5	2	117	7	111	465	197
905464	0.06	27	75	< 2	0.11	< 5	< 10	110	< 5	5	89	12	17	414	262

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas			4						152	153	309	9.38								6240			
Oreas 72a (4 Acid) Cert			14.7						157	228	316	9.63								6930.000			
Oreas 72a (4 Acid) Meas			11						147	147	314	9.32								6360			
Oreas 72a (4 Acid) Cert			14.7						157	228	316	9.63								6930.000			
Oreas 72a (4 Acid) Meas			3						151	161	320	9.50								6400			
Oreas 72a (4 Acid) Cert			14.7						157	228	316	9.63								6930.000			
OREAS 101b (4 Acid) Meas									46		417	10.6		2.42	1.23		943	21		10	0.110	20	
OREAS 101b (4 Acid) Cert									45		412	10.7		2.36	1.23		927	20.1		8.2		23	
OREAS 101b (4 Acid) Meas									45		411	10.1		2.37	1.21		946	19		9	0.108	23	
OREAS 101b (4 Acid) Cert									45		412	10.7		2.36	1.23		927	20.1		8.2		23	
OREAS 101b (4 Acid) Meas									47		413	10.5		2.42	1.23		984	19		9	0.120	26	
OREAS 101b (4 Acid) Cert									45		412	10.7		2.36	1.23		927	20.1		8.2		23	
OREAS 98 (4 Acid) Meas	41.8					64			122		> 10000											314	13
OREAS 98 (4 Acid) Cert	45.1					97.2			121		148000											345	20.1
OREAS 98 (4 Acid) Meas	43.9					37			121		> 10000											305	< 5
OREAS 98 (4 Acid) Cert	45.1					97.2			121		148000											345	20.1
OREAS 98 (4 Acid) Meas	44.2					33			121		> 10000											310	5
OREAS 98 (4 Acid) Cert	45.1					97.2			121		148000											345	20.1
OREAS 13b (4-Acid) Meas	0.9		49						72	9310	2290							9		2080			
OREAS 13b (4-Acid) Cert	0.86		57						75	8650.000	2327.000							9.0		2247.000			
OREAS 13b (4-Acid) Meas	1.0		42						72	8800	2390							10		2110			
OREAS 13b (4-Acid) Cert	0.86		57						75	8650.000	2327.000							9.0		2247.000			
OREAS 13b (4-Acid) Meas	1.0		38						73	8440	2340							10		2100			
OREAS 13b (4-Acid) Cert	0.86		57						75	8650.000	2327.000							9.0		2247.000			
OREAS 904 (4 Acid) Meas	0.9	7.03	107	220	9	< 2	0.05		96	61	6550	7.33	18	3.38	0.60	18	462	2	0.04	48	0.110	8	< 5
OREAS 904 (4 Acid) Cert	0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6	1.48
OREAS 904 (4 Acid) Meas	0.4	6.03	86	181	8	5	0.05		86	49	5620	6.32	16	2.74	0.52	15	405	2	0.03	44	0.090	6	< 5
OREAS 904 (4 Acid) Cert	0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6	1.48
OREAS 904 (4 Acid) Meas	1.0	6.72	103	214	8	5	0.05		96	56	6240	6.84	18	3.54	0.60	17	472	2	0.04	46	0.109	9	< 5

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert	0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6	1.48
OREAS 45d (4-Acid) Meas		8.19	10	186	< 1	< 2	0.20		30	537	370	14.5	22	0.42	0.24	22	524	< 1	0.09	237	0.040	17	< 5
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0	0.042	21.8	0.82
OREAS 45d (4-Acid) Meas		8.42	< 3	191	< 1	< 2	0.19		31	445	384	14.7	22	0.43	0.25	22	513	1	0.10	236	0.034	24	< 5
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0	0.042	21.8	0.82
OREAS 45d (4-Acid) Meas		8.32	3	191	< 1	3	0.19		31	483	380	14.7	22	0.43	0.25	23	519	< 1	0.10	237	0.034	25	< 5
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0	0.042	21.8	0.82
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
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CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
OREAS 96 (4 Acid) Meas	11.7					13			51		> 10000											95	< 5
OREAS 96 (4 Acid) Cert	11.5					26.3			49.9		39300											101	5.09
OREAS 96 (4 Acid) Meas	11.9					19			52		> 10000											98	< 5
OREAS 96 (4 Acid) Cert	11.5					26.3			49.9		39300											101	5.09
OREAS 923 (4 Acid) Meas	1.9	7.71	8	453	2	16	0.51	0.5	24	76	4470	6.77	19	2.77	1.76	32	990	< 1	0.33	39	0.068	78	< 5
OREAS 923 (4 Acid) Cert	1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0	1.29
OREAS 923 (4 Acid) Meas	3.6	7.58	13	448	2	19	0.50	< 0.3	23	70	4500	6.48	20	2.55	1.76	32	975	2	0.32	40	0.067	85	< 5
OREAS 923 (4 Acid) Cert	1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0	1.29
OREAS 923 (4 Acid) Meas	2.0	7.76	9	436	2	16	0.51	0.3	24	76	4480	6.56	21	2.65	1.79	32	1020	1	0.32	40	0.067	86	< 5
OREAS 923 (4 Acid) Cert	1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0	1.29

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 621 (4 Acid) Meas	71.0	6.11	84		2	4	2.08	283	30	40	3650	3.79	25	1.55	0.52	15	521	14	1.34	28	0.036	> 5000	29
OREAS 621 (4 Acid) Cert	69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2	0.0359	13600	139
OREAS 621 (4 Acid) Meas	70.3	6.11	83		1	3	2.05	287	29	59	3610	3.78	26	2.22	0.51	14	556	15	1.31	27	0.038	> 5000	16
OREAS 621 (4 Acid) Cert	69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2	0.0359	13600	139
OREAS 621 (4 Acid) Meas	72.8	6.27	72		2	5	2.11	295	31	26	3660	3.86	25	2.23	0.52	14	522	14	1.33	26	0.037	> 5000	14
OREAS 621 (4 Acid) Cert	69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2	0.0359	13600	139
CDN-PGMS-30 Meas																							
CDN-PGMS-30 Cert																							
CDN-PGMS-30 Meas																							
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CDN-PGMS-30 Meas																							
CDN-PGMS-30 Cert																							
Oreas 77b (4 Acid) Meas	1.5	1.66	1430	47	< 1	< 2	2.72	0.4	1490	199	3040	25.7	12	0.33	2.55	17	635		0.39	> 10000		68	21
Oreas 77b (4 Acid) Cert	1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000		61.0	9.100
Oreas 77b (4 Acid) Meas	1.8	1.81	1640	16	< 1	< 2	2.68	1.7	1430	210	3280	27.6	< 1	0.34	2.45	18	619		0.41	> 10000		64	28
Oreas 77b (4 Acid) Cert	1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000		61.0	9.100
Oreas 77b (4 Acid) Meas	1.8	1.78	1550	10	< 1	3	2.63	1.2	1420	246	3210	27.0	< 1	0.33	2.40	18	620		0.40	> 10000		63	27
Oreas 77b (4 Acid) Cert	1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000		61.0	9.100
OREAS 681 (4 Acid) Meas	< 0.3	8.02		416	1	< 2	5.78		48	1790	262	7.53	17	1.36	5.09	13	1290	< 1	1.61	469	0.135	9	< 5
OREAS 681 (4 Acid) Cert	0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2	0.240
OREAS 681 (4 Acid) Meas	< 0.3	8.10		419	1	< 2	5.81		49	1270	266	7.62	18	1.37	5.14	13	1300	1	1.61	471	0.143	8	< 5
OREAS 681 (4 Acid) Cert	0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2	0.240
OREAS 147 (4 Acid) Meas		5.22	18	> 1000	32	9	1.18		7	44	301	3.38	24	1.74	0.57	2240	414	4	0.99	22	0.096	29	8
OREAS 147 (4 Acid) Cert		4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2	0.155	27.8	10.6
OREAS 147 (4 Acid) Meas		5.25	28	> 1000	30	7	1.21		7	68	296	3.41	25	1.75	0.58	2260	438	6	0.99	24	0.138	29	23

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 147 (4 Acid) Cert		4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2	0.155	27.8	10.6
Oreas 521 (4 Acid) Meas	1.1	4.78	191		< 1	3	3.82		384	33	5640	20.0	18	3.24	1.17	17	3140	120	0.96	68	0.076	< 3	< 5
Oreas 521 (4 Acid) Cert	0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73	0.081	9	6
Oreas 521 (4 Acid) Meas	1.1	4.67	266		< 1	2	3.72		365	74	5750	20.1	17	3.17	1.14	17	3030	128	0.97	70	0.084	16	< 5
Oreas 521 (4 Acid) Cert	0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73	0.081	9.3	6
Oreas 521 (4 Acid) Meas	1.2	4.73	326		< 1	4	3.76		374	36	5810	20.2	17	3.23	1.15	17	3120	144	0.97	68	0.085	16	7
Oreas 521 (4 Acid) Cert	0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73	0.081	9.3	6
OREAS 70b (4 Acid) Meas	< 0.3	3.77	142	196	< 1	< 2	2.98	< 0.3	79		50	5.72	9	0.60	12.9	33	1140	3	0.76	2090	0.023	19	< 5
OREAS 70b (4 Acid) Cert	0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180	0.022	14	0.6
905314 Orig																							
905314 Dup																							
905318 Orig	0.5	6.84	< 3	114	< 1	< 2	4.32	0.3	69	384	1010	8.68	15	0.47	7.63	37	1540	< 1	1.52	529	0.012	< 3	< 5
905318 Dup	0.4	6.85	< 3	110	< 1	< 2	4.32	0.4	67	385	1010	8.67	15	0.47	7.65	37	1550	< 1	1.53	522	0.012	3	< 5
905320 Orig	3.2																						
905320 Dup	3.3																						
905324 Orig																							
905324 Dup																							
905328 Orig	< 0.3	7.47	< 3	101	< 1	< 2	5.90	< 0.3	55	351	292	6.65	13	0.46	6.73	29	1440	< 1	1.59	259	0.006	< 3	< 5
905328 Dup	< 0.3	7.38	< 3	98	< 1	< 2	5.83	< 0.3	54	224	293	6.63	13	0.45	6.65	28	1430	< 1	1.58	252	0.006	< 3	< 5
905334 Orig																							
905334 Dup																							
905339 Orig	0.6	5.79	< 3	36	< 1	< 2	4.20	0.4	76	273	792	8.21	13	0.13	8.64	38	1630	< 1	1.16	354	0.009	< 3	< 5
905339 Dup	0.5	5.77	< 3	36	< 1	2	4.21	< 0.3	76	282	805	8.30	13	0.13	8.73	39	1610	< 1	1.17	356	0.009	3	< 5
905344 Orig																							
905344 Dup																							
905352 Orig	< 0.3	6.45	3	8	< 1	< 2	3.27	< 0.3	70	78	246	12.1	16	0.04	7.44	31	1900	< 1	0.67	130	0.005	< 3	< 5
905352 Dup	< 0.3	6.42	< 3	8	< 1	< 2	3.30	< 0.3	71	84	248	12.0	16	0.04	7.45	30	1920	< 1	0.66	129	0.004	< 3	< 5
905354 Orig	< 0.3	7.17	< 3	27	< 1	2	4.98	< 0.3	46	76	152	10.8	20	0.16	4.01	22	1420	2	1.46	55	0.043	< 3	< 5
905354 Split PREP DUP	< 0.3	7.10	9	27	< 1	< 2	4.98	< 0.3	45	102	151	10.7	21	0.16	3.97	22	1370	< 1	1.45	56	0.036	4	< 5
905354 Orig																							
905354 Dup																							
905360 Orig											9												
905360 Dup											3												
905363 Orig																							
905363 Dup																							
905369 Orig	< 0.3	8.61	4	131	< 1	2	5.27	0.3	61	54	771	12.5	20	0.44	2.83	41	1660	< 1	2.15	193	0.011	11	< 5
905369 Dup	< 0.3	8.57	< 3	116	< 1	3	5.28	< 0.3	62	74	778	12.6	22	0.44	2.80	42	1660	< 1	2.17	196	0.011	5	< 5
905381 Orig	< 0.3	7.90	3	517	< 1	2	5.89	< 0.3	52	79	179	9.08	18	1.18	4.61	29	1440	< 1	1.64	140	0.036	< 3	< 5
905381 Dup	< 0.3	7.87	3	516	< 1	< 2	5.93	< 0.3	53	79	177	9.07	18	1.19	4.60	29	1450	< 1	1.63	139	0.035	3	< 5
905383 Orig																							
905383 Dup																							
905393 Orig																							
905393 Dup																							
905397 Orig	0.5	7.83	< 3	292	< 1	< 2	4.40	< 0.3	61	184	956	7.42	14	0.70	6.20	36	1330	< 1	1.87	384	0.001	4	< 5

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905397 Dup	0.5	7.76	14	293	< 1	3	4.38	< 0.3	58	187	961	7.45	14	0.70	6.21	36	1320	1	1.87	383	0.002	4	< 5
905403 Orig																							
905403 Dup																							
905404 Orig	< 0.3	7.15	< 3	201	< 1	3	3.03	< 0.3	31	74	28	8.82	21	0.48	7.73	64	1300	< 1	0.93	59	0.012	< 3	< 5
905404 Split PREP DUP	< 0.3	7.11	6	205	< 1	< 2	3.10	< 0.3	34	85	36	8.87	21	0.49	7.58	64	1270	< 1	0.88	60	0.013	< 3	< 5
905407 Orig	0.4	6.09	< 3	15	< 1	< 2	1.32	< 0.3	40	58	6	9.95	19	0.05	6.68	52	1460	< 1	0.08	57	0.002	< 3	< 5
905407 Dup	0.4	6.14	< 3	15	< 1	< 2	1.34	< 0.3	40	52	6	10.0	19	0.05	6.70	52	1460	< 1	0.08	55	0.003	< 3	< 5
905412 Orig																							
905412 Dup																							
905422 Orig																							
905422 Dup																							
905424 Orig	< 0.3	6.15	< 3	192	< 1	< 2	3.70	< 0.3	46	841	81	8.30	17	0.50	8.35	45	1390	< 1	0.84	259	0.052	< 3	< 5
905424 Dup	< 0.3	6.14	< 3	193	< 1	< 2	3.70	< 0.3	47	944	80	8.29	17	0.50	8.34	45	1400	< 1	0.84	260	0.054	< 3	< 5
905432 Orig																							
905432 Dup																							
905438 Orig	< 0.3	7.87	< 3	288	< 1	< 2	7.13	< 0.3	49	146	231	8.73	17	0.88	4.47	22	1600	< 1	1.45	137	0.007	7	< 5
905438 Dup	< 0.3	7.84	6	283	< 1	< 2	7.09	< 0.3	47	139	229	8.65	17	0.87	4.43	22	1600	< 1	1.44	139	0.006	6	< 5
905462 Orig	< 0.3	6.15	< 3	89	< 1	< 2	4.73	< 0.3	93	153	233	10.6	13	0.23	8.05	43	1690	< 1	0.99	654	0.024	< 3	< 5
905462 Dup	< 0.3	6.13	< 3	89	< 1	2	4.74	< 0.3	94	144	231	10.5	13	0.23	8.03	42	1680	< 1	0.99	655	0.024	4	< 5
905464 Orig	< 0.3	6.02	< 3	213	< 1	< 2	4.72	< 0.3	73	228	437	9.17	11	0.61	8.30	40	1740	< 1	0.87	551	0.006	4	< 5
905464 Split PREP DUP	< 0.3	5.53	< 3	171	< 1	< 2	4.81	< 0.3	75	284	421	9.35	10	0.49	8.59	41	1790	< 1	0.74	546	0.006	4	< 5
905464 Orig	< 0.3	6.10	< 3	215	< 1	< 2	4.76	0.5	74	226	438	9.26	12	0.62	8.36	40	1750	< 1	0.88	555	0.006	4	< 5
905464 Dup	< 0.3	5.95	< 3	210	< 1	< 2	4.69	< 0.3	73	230	436	9.09	11	0.61	8.24	40	1730	< 1	0.87	548	0.006	3	< 5
Method Blank	< 0.3	< 0.01	4	< 7	< 1	< 2	< 0.01	< 0.3	< 1		2	< 0.01	< 1	< 0.01	< 0.01	< 1	6	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	1	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	7	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	7	< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	2	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5
Method Blank																							
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Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	< 1	< 1	< 0.01	< 1	< 0.001	< 3	< 5

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
Oreas 72a (4 Acid) Meas	1.65														
Oreas 72a (4 Acid) Cert	1.74														
Oreas 72a (4 Acid) Meas	1.68														
Oreas 72a (4 Acid) Cert	1.74														
Oreas 72a (4 Acid) Meas	1.67														
Oreas 72a (4 Acid) Cert	1.74														
OREAS 101b (4 Acid) Meas					0.36		360	79		136					
OREAS 101b (4 Acid) Cert					0.35		387	77		133					
OREAS 101b (4 Acid) Meas					0.37		350	80		134					
OREAS 101b (4 Acid) Cert					0.35		387	77		133					
OREAS 101b (4 Acid) Meas					0.37		360	81		136					
OREAS 101b (4 Acid) Cert					0.35		387	77		133					
OREAS 98 (4 Acid) Meas	15.0										1340				
OREAS 98 (4 Acid) Cert	15.5										1360				
OREAS 98 (4 Acid) Meas	16.8										1310				
OREAS 98 (4 Acid) Cert	15.5										1360				
OREAS 98 (4 Acid) Meas	16.4										1320				
OREAS 98 (4 Acid) Cert	15.5										1360				
OREAS 13b (4-Acid) Meas	1.16										132				
OREAS 13b (4-Acid) Cert	1.2										133				
OREAS 13b (4-Acid) Meas	1.19										117				
OREAS 13b (4-Acid) Cert	1.2										133				
OREAS 13b (4-Acid) Meas	1.17										122				
OREAS 13b (4-Acid) Cert	1.2										133				
OREAS 904 (4 Acid) Meas	0.07	12	32			< 5	< 10	88	< 5	36	29	197			
OREAS 904 (4 Acid) Cert	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171			
OREAS 904 (4 Acid) Meas	0.05	11	27			< 5	< 10	83	< 5	32	26	25			
OREAS 904 (4 Acid) Cert	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171			
OREAS 904 (4 Acid) Meas	0.06	12	31			< 5	< 10	90	< 5	36	30	197			

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
OREAS 904 (4 Acid) Cert	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171			
OREAS 45d (4-Acid) Meas	0.05	53	34		0.65	< 5	< 10	209	< 5	12	54	148			
OREAS 45d (4-Acid) Cert	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141			
OREAS 45d (4-Acid) Meas	0.04	53	34		0.15	< 5	< 10	101	< 5	11	46	58			
OREAS 45d (4-Acid) Cert	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141			
OREAS 45d (4-Acid) Meas	0.04	52	34		0.34	< 5	< 10	144	< 5	11	47	94			
OREAS 45d (4-Acid) Cert	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141			
CDN-PGMS-27 Meas													4310	1950	1230
CDN-PGMS-27 Cert													4800	2000	1290.00
CDN-PGMS-27 Meas													4670	2050	1320
CDN-PGMS-27 Cert													4800	2000	1290.00
CDN-PGMS-27 Meas													4520	1970	1280
CDN-PGMS-27 Cert													4800	2000	1290.00
CDN-PGMS-27 Meas													5010	2050	1290
CDN-PGMS-27 Cert													4800	2000	1290.00
CDN-PGMS-27 Meas													4160	1870	1180
CDN-PGMS-27 Cert													4800	2000	1290.00
CDN-PGMS-27 Meas													4520	1900	1190
CDN-PGMS-27 Cert													4800	2000	1290.00
OREAS 96 (4 Acid) Meas	4.37										458				
OREAS 96 (4 Acid) Cert	4.19										457				
OREAS 96 (4 Acid) Meas	4.41										467				
OREAS 96 (4 Acid) Cert	4.19										457				
OREAS 923 (4 Acid) Meas	0.74	13	47		0.42	< 5	< 10	97	9	27	377	135			
OREAS 923 (4 Acid) Cert	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116			
OREAS 923 (4 Acid) Meas	0.72	13	46		0.41	< 5	< 10	98	10	26	365	125			
OREAS 923 (4 Acid) Cert	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116			
OREAS 923 (4 Acid) Meas	0.73	13	47		0.42	< 5	< 10	98	9	27	374	130			
OREAS 923 (4 Acid) Cert	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116			

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
OREAS 621 (4 Acid) Meas	4.78	6	71		0.19	< 5	< 10	35	< 5	12	> 10000	168			
OREAS 621 (4 Acid) Cert	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168			
OREAS 621 (4 Acid) Meas	4.65	6	63		0.18	< 5	< 10	35	< 5	12	> 10000	168			
OREAS 621 (4 Acid) Cert	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168			
OREAS 621 (4 Acid) Meas	4.73	6	59		0.18	< 5	< 10	36	< 5	12	> 10000	161			
OREAS 621 (4 Acid) Cert	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168			
CDN-PGMS-30 Meas													1950	1670	222
CDN-PGMS-30 Cert													1897.000	1660.000	223.000
CDN-PGMS-30 Meas													1930	1760	215
CDN-PGMS-30 Cert													1897.000	1660.000	223.000
CDN-PGMS-30 Meas													1850	1650	230
CDN-PGMS-30 Cert													1897.000	1660.000	223.000
CDN-PGMS-30 Meas													1870	1710	219
CDN-PGMS-30 Cert													1897.000	1660.000	223.000
CDN-PGMS-30 Meas													1900	1720	215
CDN-PGMS-30 Cert													1897.000	1660.000	223.000
Oreas 77b (4 Acid) Meas		< 4	30	< 2	0.06	6	< 10	33	9	8	182	40			
Oreas 77b (4 Acid) Cert		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9			
Oreas 77b (4 Acid) Meas		< 4	31	< 2	0.06	< 5	< 10	35	11	6	182	40			
Oreas 77b (4 Acid) Cert		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9			
Oreas 77b (4 Acid) Meas		< 4	30	< 2	0.06	< 5	< 10	34	< 5	6	177	40			
Oreas 77b (4 Acid) Cert		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9			
OREAS 681 (4 Acid) Meas	0.10	27	452		0.45		< 10	222	< 5	16	82	54			
OREAS 681 (4 Acid) Cert	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0			
OREAS 681 (4 Acid) Meas	0.10	27	453		0.56		< 10	250	< 5	16	83	61			
OREAS 681 (4 Acid) Cert	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0			
OREAS 147 (4 Acid) Meas	0.02	11	314		0.32	8	< 10	59		28	148	22			
OREAS 147 (4 Acid) Cert	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105			
OREAS 147 (4 Acid) Meas	0.03	11	321		0.37	6	< 10	60		29	148	101			

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
OREAS 147 (4 Acid) Cert	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105			
Oreas 521 (4 Acid) Meas	1.70	14	93	< 2	0.31	< 5	30	187	15	18	25	120			
Oreas 521 (4 Acid) Cert	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123			
Oreas 521 (4 Acid) Meas	1.71	14	109	< 2	0.36	< 5	30	205	33	19	25	125			
Oreas 521 (4 Acid) Cert	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123			
Oreas 521 (4 Acid) Meas	1.67	14	89	4	0.41	< 5	40	210	95	19	25	127			
Oreas 521 (4 Acid) Cert	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123			
OREAS 70b (4 Acid) Meas	0.29	12	69		0.17	< 5	< 10	66	5	9	106	65			
OREAS 70b (4 Acid) Cert	0.31	12	74		0.18	0.3	2	67	5	10	112	66			
905314 Orig													6	36	56
905314 Dup													5	36	56
905318 Orig	0.14	26	91	< 2	0.15	< 5	< 10	135	< 5	6	112	19			
905318 Dup	0.14	26	90	< 2	0.15	< 5	< 10	133	< 5	6	110	19			
905320 Orig															
905320 Dup															
905324 Orig													< 2	16	22
905324 Dup													< 2	16	21
905328 Orig	0.04	30	161	3	0.12	< 5	< 10	118	< 5	5	70	12			
905328 Dup	0.04	30	160	3	0.11	< 5	< 10	116	< 5	5	69	12			
905334 Orig													< 2	13	9
905334 Dup													< 2	13	10
905339 Orig	0.11	29	57	< 2	0.13	< 5	< 10	117	< 5	5	94	19			
905339 Dup	0.11	28	57	< 2	0.13	< 5	< 10	116	< 5	5	93	20			
905344 Orig													19	60	71
905344 Dup													18	59	71
905352 Orig	0.03	33	51	3	0.14	< 5	< 10	141	< 5	4	232	12			
905352 Dup	0.03	33	50	< 2	0.14	< 5	< 10	142	< 5	4	235	12			
905354 Orig	0.12	39	180	< 2	0.59	< 5	< 10	282	< 5	25	109	52	< 2	6	< 5
905354 Split PREP DUP	0.11	38	180	< 2	0.32	< 5	< 10	234	< 5	25	109	48	< 2	6	5
905354 Orig													< 2	6	< 5
905354 Dup													< 2	6	6
905360 Orig															
905360 Dup															
905363 Orig													< 2	< 5	< 5
905363 Dup													< 2	< 5	< 5
905369 Orig	2.30	21	204	2	0.47	< 5	< 10	72	7	3	141	7			
905369 Dup	2.32	21	204	< 2	0.49	< 5	< 10	74	< 5	3	142	7			
905381 Orig	0.05	38	222	< 2	0.48	< 5	< 10	280	< 5	14	70	41			
905381 Dup	0.04	38	223	2	0.49	< 5	< 10	285	< 5	14	70	40			
905383 Orig													9	714	475
905383 Dup													16	735	450
905393 Orig													136	963	564
905393 Dup													181	978	573
905397 Orig	0.15	22	138	< 2	0.07	< 5	< 10	79	< 5	4	98	6			

Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Pd	Pt
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb
Lower Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	2	5	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-ICP	FA-ICP	FA-ICP
905397 Dup	0.16	22	137	< 2	0.07	< 5	< 10	79	< 5	4	108	6			
905403 Orig													26	76	47
905403 Dup													17	77	48
905404 Orig	0.06	31	148	< 2	0.52	< 5	< 10	250	7	20	155	48	< 2	< 5	< 5
905404 Split PREP DUP	0.10	30	163	< 2	0.56	< 5	< 10	263	< 5	20	153	45	< 2	< 5	< 5
905407 Orig	< 0.01	29	11	< 2	0.20	< 5	< 10	181	< 5	24	235	127			
905407 Dup	< 0.01	29	11	< 2	0.27	< 5	< 10	196	< 5	24	236	127			
905412 Orig													3	32	9
905412 Dup													< 2	32	10
905422 Orig													< 2	7	< 5
905422 Dup													2	6	< 5
905424 Orig	0.01	23	83	< 2	0.17	< 5	< 10	104	< 5	11	171	15			
905424 Dup	0.01	23	83	< 2	0.17	< 5	< 10	104	< 5	11	172	16			
905432 Orig													5	30	15
905432 Dup													5	32	15
905438 Orig	0.13	39	284	< 2	0.34	< 5	< 10	187	< 5	11	114	8			
905438 Dup	0.13	38	287	< 2	0.30	< 5	< 10	169	< 5	11	115	7			
905462 Orig	0.03	24	48	4	0.28	< 5	< 10	144	< 5	10	94	41	21	128	70
905462 Dup	0.03	24	48	2	0.28	< 5	< 10	146	< 5	10	91	41	7	125	71
905464 Orig	0.06	27	75	< 2	0.11	< 5	< 10	110	< 5	5	89	12	17	414	262
905464 Split PREP DUP	0.05	29	64	< 2	0.11	< 5	< 10	115	< 5	5	94	12	15	444	280
905464 Orig	0.06	28	76	6	0.11	< 5	< 10	111	< 5	5	90	13			
905464 Dup	0.06	27	74	< 2	0.11	< 5	< 10	110	< 5	5	89	12			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	2	< 5			
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			
Method Blank													< 2	< 5	< 5
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Method Blank													< 2	< 5	< 5
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5			

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-20422**
Report Date: **26-Jan-22**
Date Submitted: **29-Oct-21**
Your Reference: **EAST BULL**

Canadian Palladium Resources Inc.
Suite 302 - 1620 West 8th Avenue
Vancouver BC V6J 1V4
Canada

ATTN: Kelsey Chin

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1C-OES	QOP PGE-OES (Fire Assay ICPOES)	2021-12-08 11:03:09
1F2	QOP Total (Total Digestion ICPOES)	2021-12-29 19:09:53

REPORT **A21-20422**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

SCC Accredited LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905465	42	238	96	0.3	8.17	< 3	376	< 1	< 2	4.41	< 0.3	55	230	1160	6.82	14	1.25	5.43	44	1240	< 1	1.85	468
905466	38	202	110	0.5	6.11	6	125	< 1	< 2	4.69	< 0.3	69	137	1180	8.47	12	0.43	6.49	30	1510	< 1	1.90	508
905467	29	98	34	< 0.3	8.21	4	296	< 1	3	3.83	< 0.3	53	98	693	8.00	15	0.85	5.18	39	1250	< 1	2.45	434
905468	35	235	99	0.7	6.75	< 3	138	< 1	< 2	3.93	0.3	75	177	1600	11.1	16	0.34	6.47	39	1690	< 1	1.69	635
905469	25	50	24	0.5	5.95	< 3	128	< 1	2	4.64	0.4	63	163	861	9.67	14	0.36	5.65	33	1480	< 1	1.78	381
905470	20	44	19	0.4	5.60	< 3	92	< 1	< 2	4.89	< 0.3	64	244	829	9.63	13	0.27	5.97	27	1530	< 1	1.82	439
905471	36	120	55	0.6	4.89	< 3	39	< 1	< 2	5.32	< 0.3	82	327	1110	9.77	12	0.14	6.81	23	1580	< 1	1.42	653
905472	41	142	82	1.1	2.24	< 3	< 7	< 1	< 2	6.82	< 0.3	119	522	1850	10.1	6	0.03	9.34	11	1870	< 1	0.13	1090
905473	68	198	95	1.0	6.50	< 3	290	< 1	< 2	4.95	0.4	79	266	2130	8.45	14	0.70	6.17	25	1470	< 1	1.70	676
905474	41	254	130	0.9	7.01	< 3	284	< 1	< 2	4.04	< 0.3	87	228	2100	9.80	15	0.71	6.34	36	1540	< 1	1.76	709
905475	31	312	203	1.1	4.77	< 3	51	< 1	< 2	4.90	< 0.3	103	200	2310	9.67	11	0.27	8.53	43	1850	< 1	0.89	921
905476	35	264	170	1.1	6.81	< 3	230	< 1	< 2	4.23	0.4	83	157	2240	8.82	14	0.68	7.13	45	1630	< 1	1.64	776
905477	6	17	6	0.4	10.7	10	348	< 1	2	3.29	< 0.3	54	41	739	6.30	25	1.56	3.56	51	840	< 1	3.05	215
905478	10	14	9	0.9	9.61	9	190	< 1	< 2	3.55	< 0.3	76	118	1180	7.53	22	0.98	4.99	68	1020	1	2.52	259
905479	21	57	40	0.6	8.13	43	89	< 1	< 2	3.18	< 0.3	70	222	832	8.44	19	0.87	7.11	112	1340	2	1.66	427
905480	156	1310	657	3.3	6.58	4	66	< 1	4	3.89	0.6	164	272	6270	13.4	14	0.60	3.76	12	1080	< 1	1.78	8180
905481	15	84	100	0.6	7.73	< 3	121	< 1	< 2	4.29	< 0.3	75	83	1270	8.16	16	0.64	6.88	74	1440	< 1	1.73	446
905482	7	38	26	< 0.3	9.46	3	367	< 1	< 2	4.06	< 0.3	40	48	259	5.45	15	1.33	4.38	42	993	< 1	2.83	173
905483	9	87	60	< 0.3	8.87	3	457	< 1	< 2	4.90	< 0.3	52	82	525	6.04	16	1.38	4.95	55	1090	< 1	1.92	237
905484	7	42	35	< 0.3	9.99	< 3	142	< 1	< 2	7.57	< 0.3	32	54	283	5.43	21	0.85	3.91	65	896	< 1	1.80	156
905485	4	10	9	< 0.3	9.54	3	356	< 1	< 2	4.29	< 0.3	40	74	328	6.27	19	1.09	4.23	55	1050	< 1	2.76	161
905486	< 2	< 5	< 5	< 0.3	9.66	< 3	412	< 1	< 2	4.47	< 0.3	31	143	89	5.63	19	1.23	3.31	41	981	< 1	2.98	86
905487	2	< 5	< 5	< 0.3	7.74	< 3	137	< 1	< 2	6.75	< 0.3	33	202	34	6.49	16	0.73	5.12	38	1300	< 1	1.98	118
905488	14	< 5	< 5	< 0.3	8.06	< 3	226	< 1	< 2	5.63	< 0.3	34	183	54	6.08	16	0.82	4.91	28	1240	< 1	2.31	112
905489	4	25	23	< 0.3	9.07	4	269	< 1	< 2	4.38	< 0.3	43	79	408	6.39	21	0.99	4.78	32	1200	< 1	2.56	195
905490	< 2	< 5	< 5	< 0.3	0.04	< 3	23	< 1	< 2	27.1	< 0.3	< 1	4	< 1	0.07	1	0.02	7.83	5	224	< 1	0.03	1
905491	9	16	12	< 0.3	7.35	< 3	119	< 1	< 2	5.37	< 0.3	48	159	426	7.13	18	0.54	5.50	30	1410	< 1	2.27	201
905492	3	22	15	< 0.3	7.06	< 3	76	< 1	< 2	7.10	< 0.3	48	151	250	8.52	19	0.38	4.72	31	1500	< 1	1.80	166
905493	6	7	< 5	< 0.3	8.61	< 3	312	< 1	< 2	4.47	< 0.3	39	99	106	7.14	20	0.79	4.46	40	1280	< 1	2.68	108
905494	30	132	87	0.7	7.65	< 3	278	< 1	< 2	4.06	0.3	88	210	1580	8.13	22	0.75	5.58	28	1460	< 1	2.13	537
905495	11	5	< 5	< 0.3	5.55	< 3	58	< 1	3	3.76	< 0.3	85	347	759	11.0	30	0.15	8.18	47	1850	< 1	0.64	138
905496	< 2	< 5	< 5	< 0.3	7.21	< 3	112	< 1	3	2.36	< 0.3	66	179	91	10.7	32	0.19	7.10	58	1600	< 1	1.00	137
905497	3	6	< 5	< 0.3	6.05	< 3	150	< 1	< 2	4.26	< 0.3	78	404	233	10.1	17	0.29	8.51	50	1770	< 1	0.89	189
905498	< 2	17	18	< 0.3	6.23	< 3	7	< 1	2	3.92	< 0.3	77	723	3	10.3	26	0.03	10.8	54	1880	< 1	0.10	427
905499	< 2	9	6	< 0.3	5.20	< 3	121	< 1	< 2	4.69	0.3	71	862	91	8.76	20	0.20	10.1	43	1670	< 1	0.50	498
905500	9	7	< 5	0.5	5.40	< 3	168	< 1	< 2	4.13	< 0.3	74	915	152	8.94	21	0.32	8.77	51	1490	< 1	0.89	448
905501	7	22	12	< 0.3	6.74	< 3	242	< 1	< 2	3.18	< 0.3	68	456	439	10.1	18	0.61	7.08	51	1360	< 1	1.31	228
905502	< 2	< 5	< 5	< 0.3	8.19	< 3	412	< 1	< 2	4.44	< 0.3	32	132	26	7.09	17	1.25	4.88	64	1080	< 1	2.26	123
905503	< 2	< 5	< 5	< 0.3	6.39	5	295	< 1	< 2	4.91	< 0.3	55	770	32	7.77	17	0.86	7.38	62	1260	< 1	1.17	465
905504	16	61	85	0.4	2.72	< 3	< 7	< 1	< 2	5.94	0.5	94	854	1170	9.45	10	0.02	9.87	18	1740	< 1	0.11	740
905505	47	241	342	0.6	3.12	< 3	< 7	< 1	< 2	5.62	0.4	94	87	3000	11.9	9	0.02	8.04	17	2060	< 1	0.17	532
905506	46	53	77	0.4	7.03	< 3	390	< 1	2	5.29	< 0.3	74	47	1170	10.6	19	0.82	4.49	31	1660	< 1	1.57	202
905507	6	13	6	0.3	10.1	< 3	930	< 1	< 2	4.86	< 0.3	29	66	1550	6.89	24	2.03	3.17	44	1060	< 1	2.16	137
905508	< 2	< 5	< 5	1.5	9.00	< 3	973	< 1	< 2	3.98	< 0.3	42	105	92	6.67	17	1.92	4.40	44	1240	< 1	2.23	157
905509	19	39	58	< 0.3	8.32	28	578	< 1	3	4.65	< 0.3	60	59	868	9.53	19	1.31	4.41	40	1450	< 1	1.91	146
905510	142	1340	673	3.4	6.55	6	50	< 1	3	3.88	0.6	164	201	6320	13.5	15	0.60	3.81	12	1090	< 1	1.79	8290
905511	72	208	361	0.7	3.45	< 3	34	< 1	3	5.62	< 0.3	117	76	3030	13.2	12	0.16	7.07	30	2050	< 1	0.32	532
905512	34	28	72	< 0.3	7.23	< 3	488	< 1	3	4.14	< 0.3	63	82	953	9.79	15	0.88	5.55	38	1620	< 1	1.76	262
905513	< 2	< 5	< 5	< 0.3	8.54	< 3	575	< 1	2	5.38	< 0.3	39	72	55	7.54	16	1.08	4.34	40	1270	< 1	2.10	131
905514	4	8	< 5	< 0.3	8.11	6	537	< 1	3	4.69	< 0.3	46	83	306	8.12	18	0.96	4.24	32	1310	< 1	2.13	157
905515	9	< 5	< 5	0.5	4.96	4	216	< 1	2	4.93	< 0.3	78	36	789	15.5	20	0.38	4.70	21	2270	< 1	0.94	198

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905516	31	21	27	1.1	4.05	< 3	37	< 1	2	4.42	0.3	90	52	1530	13.4	15	0.11	5.68	19	2090	< 1	0.55	279
905517	39	28	30	1.2	4.10	6	34	< 1	2	5.48	< 0.3	93	178	1970	13.0	15	0.14	6.21	19	2320	< 1	0.69	300
905518	< 2	7	6	< 0.3	8.11	< 3	340	< 1	< 2	4.32	< 0.3	45	372	194	9.75	26	1.08	5.18	41	1720	< 1	1.85	151
905519	< 2	18	9	< 0.3	9.11	5	565	< 1	< 2	4.07	< 0.3	35	75	175	6.92	20	1.87	2.82	44	1040	< 1	2.80	118
905520	< 2	< 5	< 5	< 0.3	0.05	< 3	35	< 1	< 2	30.0	< 0.3	< 1	9	< 1	0.08	2	< 0.01	6.55	3	195	< 1	0.04	1
905521	< 2	6	< 5	< 0.3	8.97	< 3	680	< 1	3	4.39	< 0.3	41	60	209	10.0	24	1.62	3.35	41	1750	< 1	2.09	143
905522	< 2	9	< 5	0.3	9.53	< 3	105	< 1	3	4.08	< 0.3	52	50	240	9.64	26	1.80	2.85	34	1570	< 1	2.19	229
905523	< 2	11	< 5	1.0	9.62	< 3	97	< 1	2	4.56	< 0.3	68	26	492	13.0	31	1.10	2.15	37	1540	< 1	2.08	402
905524	< 2	7	< 5	< 0.3	8.93	< 3	333	< 1	3	5.71	< 0.3	42	65	252	15.1	30	0.83	2.34	33	2060	< 1	1.63	145
905525	< 2	< 5	< 5	< 0.3	9.03	< 3	382	< 1	< 2	4.65	< 0.3	33	79	43	7.60	21	1.08	3.41	31	1450	< 1	2.78	140
905526	< 2	< 5	< 5	< 0.3	8.86	< 3	398	< 1	< 2	4.86	< 0.3	42	102	199	8.44	24	1.02	3.73	36	1340	< 1	2.48	142
905527	< 2	< 5	< 5	< 0.3	9.04	< 3	331	< 1	< 2	5.86	< 0.3	27	129	84	6.00	20	0.97	3.72	30	1100	< 1	2.72	150
905528	< 2	< 5	< 5	< 0.3	8.74	5	435	< 1	< 2	3.25	0.8	47	153	164	6.85	18	1.00	4.55	30	1230	< 1	2.92	178
905529	< 2	< 5	< 5	< 0.3	8.70	3	531	< 1	< 2	3.72	0.4	43	161	226	6.53	17	1.16	4.14	25	1170	< 1	3.04	177
905530	2	< 5	< 5	< 0.3	8.72	< 3	550	< 1	< 2	3.83	0.5	38	135	218	6.64	16	1.18	4.31	28	1190	< 1	2.99	174
905531	< 2	< 5	< 5	< 0.3	7.55	< 3	749	< 1	< 2	5.52	< 0.3	46	154	84	8.33	18	1.11	4.36	33	1300	< 1	2.30	145
905532	< 2	< 5	< 5	< 0.3	6.35	< 3	> 1000	< 1	< 2	7.28	< 0.3	49	426	69	7.02	14	1.67	6.69	61	1040	< 1	1.36	211
905533	< 2	6	< 5	< 0.3	9.69	< 3	> 1000	< 1	< 2	4.10	< 0.3	32	78	157	6.06	21	1.49	2.92	37	892	< 1	3.24	117
905534	< 2	10	6	< 0.3	8.62	< 3	870	< 1	< 2	4.39	< 0.3	42	155	175	6.84	21	1.14	3.99	30	1160	< 1	2.76	326
905535	4	< 5	< 5	< 0.3	9.19	4	893	< 1	< 2	4.66	< 0.3	33	116	234	6.40	21	0.98	3.20	25	992	< 1	3.27	101
905536	4	15	9	< 0.3	10.3	7	363	< 1	< 2	4.66	< 0.3	25	34	245	5.06	24	0.63	2.05	23	683	1	4.13	84
905537	3	< 5	< 5	< 0.3	9.39	7	757	< 1	< 2	4.50	< 0.3	32	76	215	5.82	18	1.02	3.33	32	975	2	3.41	145
905538	< 2	6	< 5	< 0.3	7.67	7	937	< 1	< 2	4.96	< 0.3	39	134	117	6.95	16	0.98	4.75	28	1390	< 1	2.36	208
905539	25	73	56	0.8	6.97	4	444	< 1	< 2	5.27	< 0.3	71	78	1650	10.2	18	0.72	3.53	21	1460	< 1	2.09	370
905540	123	1300	697	4.4	6.44	< 3	200	< 1	< 2	3.96	1.1	172	227	6220	13.3	14	0.62	3.93	13	1180	3	1.78	8180
905541	43	134	109	1.3	5.92	7	234	< 1	< 2	5.69	0.3	120	40	3210	14.2	20	0.46	3.59	18	1760	< 1	1.73	651
905542	23	41	35	0.7	5.32	3	249	< 1	< 2	5.09	< 0.3	91	131	2140	14.1	17	0.48	4.22	23	1980	< 1	1.18	425
905543	6	7	< 5	< 0.3	7.19	4	515	< 1	< 2	5.06	< 0.3	46	57	585	11.2	20	0.79	3.42	28	1590	< 1	1.91	161
905544	38	107	78	0.7	6.31	4	347	< 1	< 2	4.81	0.5	95	15	2460	13.2	21	0.58	3.31	24	1660	< 1	1.67	407
905545	29	39	29	0.5	4.09	< 3	24	< 1	< 2	4.65	0.4	90	102	1440	15.9	17	0.12	5.41	27	2160	< 1	0.36	259
905546	15	30	21	0.4	5.82	< 3	344	< 1	< 2	4.36	0.5	81	207	896	15.8	21	0.53	3.80	26	2190	< 1	1.48	226
905547	6	15	8	< 0.3	9.39	< 3	900	< 1	< 2	3.53	< 0.3	33	44	345	7.57	26	1.11	2.99	35	1120	< 1	3.05	67
905548	< 2	9	9	0.5	6.70	3	150	< 1	< 2	5.47	0.5	48	17	241	10.0	17	0.48	3.05	18	1380	< 1	2.37	34
905549	3	11	10	0.5	6.59	4	167	< 1	< 2	5.71	0.7	54	19	214	9.54	16	0.53	3.18	15	1340	< 1	2.43	45
905550	< 2	< 5	< 5	< 0.3	0.04	5	207	< 1	< 2	28.3	< 0.3	< 1	2	< 1	0.06	< 1	< 0.01	7.23	4	199	< 1	0.03	< 1
905551	< 2	115	29	< 0.3	6.54	< 3	56	< 1	< 2	3.74	0.4	85	56	46	12.2	16	0.21	6.81	46	1880	< 1	1.12	327
905552	7	11	13	< 0.3	6.36	6	28	< 1	< 2	3.53	< 0.3	93	60	40	12.5	15	0.12	7.38	47	1980	< 1	0.87	374
905553	< 2	52	32	< 0.3	6.45	< 3	34	< 1	< 2	3.56	0.3	91	78	42	12.1	15	0.12	7.49	47	1930	< 1	0.96	344
905554	< 2	41	26	< 0.3	7.83	7	465	< 1	< 2	4.72	< 0.3	76	40	53	9.72	14	0.85	6.11	38	1610	< 1	1.53	286
905555	25	709	728	< 0.3	5.86	< 3	111	< 1	< 2	4.84	0.6	94	142	73	11.0	12	0.25	7.70	38	1970	< 1	0.79	504
905556	7	204	465	< 0.3	6.59	< 3	187	< 1	< 2	4.03	0.4	84	175	40	9.67	11	0.41	7.03	40	1770	< 1	1.10	421
905557	51	1480	779	< 0.3	5.64	< 3	177	< 1	4	4.92	0.4	84	438	34	10.6	11	0.38	7.87	37	1960	< 1	0.66	332
905558	7	55	82	< 0.3	7.44	4	749	< 1	< 2	5.24	< 0.3	50	44	160	7.51	13	1.05	4.42	23	1340	< 1	2.03	99
905559	3	40	61	< 0.3	7.49	4	570	< 1	< 2	6.41	< 0.3	48	54	97	8.01	16	0.96	4.17	22	1340	< 1	1.50	103
905560	4	43	69	< 0.3	7.53	< 3	609	< 1	< 2	6.20	0.4	47	65	89	7.86	16	1.00	4.11	21	1300	< 1	1.56	100
905561	9	41	66	< 0.3	7.42	4	734	< 1	< 2	5.30	< 0.3	52	55	43	9.06	15	1.06	4.72	30	1470	< 1	1.43	106
905562	10	149	118	< 0.3	7.32	7	83	< 1	< 2	4.10	0.3	56	107	103	9.65	15	0.21	4.90	33	1490	< 1	1.97	150
905563	3	29	56	< 0.3	7.83	< 3	385	< 1	< 2	6.33	< 0.3	47	51	88	8.39	16	0.72	4.23	22	1420	< 1	1.75	101
905564	10	141	200	< 0.3	7.87	< 3	352	< 1	< 2	5.34	< 0.3	49	132	231	8.75	17	0.60	4.35	27	1490	< 1	2.08	172
905565	10	18	11	< 0.3	7.13	4	305	< 1	< 2	7.30	< 0.3	47	64	246	8.67	16	0.53	3.65	21	1390	< 1	1.61	104
905566	8	19	10	0.7	4.91	1430	297	1	< 2	5.49	< 0.3	53	103	237	14.9	13	1.17	1.99	25	3100	4	0.73	61

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905567	13	15	12	< 0.3	7.11	5	269	< 1	< 2	6.48	< 0.3	46	27	220	8.42	16	0.69	3.45	18	1330	< 1	1.60	75
905568	6	22	16	0.4	6.90	< 3	430	< 1	< 2	5.95	< 0.3	44	24	204	9.52	18	0.68	3.22	24	1380	< 1	1.34	73
905569	43	394	211	0.5	7.87	< 3	338	< 1	< 2	5.85	0.4	49	24	603	9.26	20	0.53	3.35	25	1350	< 1	1.94	115
905570	190	1310	695	3.3	6.32	< 3	55	< 1	< 2	3.91	1.1	166	215	6040	12.9	12	0.63	3.88	12	1140	< 1	1.74	7950
905571	22	296	141	0.3	7.28	< 3	494	< 1	< 2	5.89	0.7	46	31	590	8.33	17	0.68	3.83	22	1340	< 1	2.01	128
905572	32	599	742	0.4	7.09	11	617	< 1	< 2	4.94	1.6	50	175	619	8.16	15	0.98	5.09	28	1420	1	1.91	213
905573	13	179	89	< 0.3	8.18	< 3	541	< 1	< 2	4.80	0.4	53	370	423	7.70	13	1.12	5.95	38	1410	< 1	1.61	330
905574	9	40	36	< 0.3	7.58	< 3	362	< 1	< 2	4.34	< 0.3	59	357	458	8.20	12	0.67	6.42	40	1430	< 1	1.54	364
905575	79	978	382	1.6	7.46	4	381	< 1	3	3.40	1.7	77	289	2680	9.70	13	0.75	5.73	39	1480	< 1	1.39	650
905576	49	673	327	0.8	7.27	< 3	162	< 1	< 2	3.51	0.9	69	246	1960	9.73	16	0.45	5.51	37	1450	< 1	1.98	512
905577	17	127	142	< 0.3	6.23	3	67	< 1	< 2	4.25	< 0.3	69	320	678	9.35	13	0.77	8.37	59	1670	< 1	1.02	340
905578	29	58	120	< 0.3	5.32	< 3	165	< 1	< 2	5.36	< 0.3	66	331	573	7.78	10	0.71	8.54	40	1610	< 1	0.99	368
905579	22	32	47	< 0.3	7.10	< 3	296	< 1	< 2	5.07	0.3	58	437	328	6.91	11	0.79	7.09	34	1480	< 1	1.64	284
905580	< 2	< 5	< 5	< 0.3	0.05	4	34	< 1	< 2	27.9	< 0.3	< 1	16	1	0.08	< 1	0.01	6.42	7	189	< 1	0.03	< 1
905581	3	34	30	< 0.3	5.94	< 3	163	< 1	< 2	5.42	< 0.3	70	544	172	7.67	12	0.44	8.20	37	1590	< 1	1.10	266
905582	15	95	103	< 0.3	5.04	3	40	< 1	< 2	4.94	0.5	79	449	706	8.27	8	0.21	8.87	36	1690	< 1	0.87	421
905583	8	31	44	< 0.3	4.85	< 3	40	< 1	< 2	4.61	0.5	78	502	392	8.60	11	0.18	9.24	38	1740	< 1	0.54	387
905584	39	100	123	1.2	4.57	< 3	37	< 1	< 2	5.09	0.9	97	280	2250	8.01	8	0.17	8.46	28	1790	< 1	0.82	670
905585	20	76	94	0.5	5.96	5	57	< 1	< 2	4.38	0.7	75	219	948	8.25	11	0.27	8.20	36	1800	< 1	1.46	435
905586	27	93	153	0.6	4.41	6	7	< 1	< 2	4.89	0.6	86	299	1050	9.28	9	0.04	9.71	32	2140	< 1	0.36	498
905587	55	256	225	1.1	4.05	< 3	13	< 1	< 2	4.95	0.6	89	378	2370	9.02	7	0.05	9.12	25	2110	< 1	0.42	742
905588	65	92	85	1.3	5.74	4	47	< 1	< 2	3.37	0.8	108	343	2920	9.18	10	0.15	7.79	28	1770	< 1	0.91	948
905589	65	105	99	1.4	5.29	< 3	< 7	< 1	< 2	2.50	1.3	104	406	3230	10.6	10	0.01	8.70	16	1510	< 1	0.04	894
905590	71	103	90	1.6	5.32	6	< 7	< 1	< 2	2.40	1.8	109	321	3560	10.6	10	0.01	8.65	16	1530	< 1	0.03	936
905591	75	156	168	1.3	2.21	< 3	< 7	< 1	2	5.85	0.3	129	429	3330	9.83	6	< 0.01	10.7	3	1830	< 1	0.05	1200
905592	69	90	83	1.0	1.97	< 3	< 7	< 1	2	4.74	0.4	142	420	3090	9.98	6	< 0.01	11.5	2	1660	< 1	0.04	1250
905593	50	92	83	0.8	2.15	< 3	< 7	< 1	< 2	4.07	0.7	133	391	2070	9.74	5	< 0.01	11.6	2	1650	< 1	0.04	816
905594	35	78	73	0.7	2.38	< 3	< 7	< 1	< 2	4.04	0.7	121	377	1660	10.1	6	< 0.01	11.6	2	1630	< 1	0.04	613
905595	42	81	73	0.7	2.19	< 3	< 7	< 1	< 2	3.91	0.7	122	367	1760	10.1	4	< 0.01	11.5	2	1580	< 1	0.04	566
905596	44	66	52	0.6	3.00	< 3	< 7	< 1	< 2	4.10	0.6	106	349	1700	10.4	7	< 0.01	9.90	3	1650	< 1	0.04	538
905597	58	108	83	1.0	2.15	< 3	< 7	< 1	< 2	4.77	0.8	133	448	2400	10.1	6	< 0.01	10.3	2	1730	< 1	0.05	716
905598	30	66	59	0.6	2.20	< 3	< 7	< 1	< 2	5.21	0.4	112	432	1420	10.0	5	< 0.01	11.1	2	1850	< 1	0.04	600
905599	27	72	76	0.5	2.84	< 3	< 7	< 1	< 2	5.29	0.6	109	383	1240	10.3	6	< 0.01	10.6	4	1890	< 1	0.05	576
905600	142	1320	706	3.2	6.46	< 3	101	< 1	< 2	3.95	1.0	168	227	6130	13.2	14	0.61	3.89	13	1130	< 1	1.80	8010
905601	46	90	79	0.7	2.03	< 3	< 7	< 1	< 2	5.00	0.7	123	519	1770	9.84	6	< 0.01	11.2	2	1790	< 1	0.05	633
905602	48	109	106	0.9	2.64	4	< 7	< 1	< 2	5.30	0.5	137	504	2050	10.2	7	0.01	10.5	4	1880	< 1	0.05	860
905603	37	99	127	0.7	3.20	< 3	< 7	< 1	< 2	5.20	0.6	112	424	1510	9.85	7	< 0.01	9.98	8	1790	< 1	0.05	723
905604	19	62	78	0.4	4.18	5	8	< 1	3	4.45	0.6	96	654	837	9.93	12	0.03	9.50	16	1670	< 1	0.10	548
905605	9	< 5	< 5	< 0.3	8.42	< 3	168	< 1	< 2	1.00	< 0.3	70	423	324	10.5	28	0.38	7.63	51	1480	< 1	1.01	227
905606	9	17	16	< 0.3	5.78	< 3	14	< 1	< 2	3.30	< 0.3	81	483	351	9.65	20	0.03	9.21	40	1740	< 1	0.36	368
905607	27	95	106	0.8	4.73	< 3	< 7	< 1	< 2	4.30	0.5	99	649	1170	10.1	14	0.02	9.98	29	1860	< 1	0.05	594
905608	11	40	52	< 0.3	4.65	< 3	< 7	< 1	< 2	4.29	0.7	84	591	597	9.64	15	0.03	9.24	35	1840	< 1	0.07	421
905609	15	87	76	0.3	4.24	< 3	< 7	< 1	< 2	7.87	0.4	75	521	784	8.22	13	0.04	6.24	51	1400	< 1	0.06	520

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905465	0.012	< 3	< 5	0.15	23	149	< 2	0.16	< 5	< 10	116	< 5	7	70	18
905466	0.026	3	< 5	0.15	31	78	< 2	0.30	< 5	< 10	169	< 5	11	78	38
905467	0.023	< 3	< 5	0.11	24	124	11	0.27	< 5	< 10	140	< 5	10	73	33
905468	0.007	3	< 5	0.22	27	66	< 2	0.12	< 5	< 10	128	< 5	5	108	13
905469	0.051	4	< 5	0.13	32	80	3	0.51	< 5	< 10	228	< 5	21	88	75
905470	0.044	4	< 5	0.16	32	70	< 2	0.38	< 5	< 10	177	< 5	20	91	58
905471	0.040	4	< 5	0.24	36	46	< 2	0.46	< 5	< 10	219	< 5	16	89	61
905472	0.004	7	< 5	0.37	38	5	< 2	0.12	< 5	< 10	136	< 5	4	89	11
905473	0.006	5	< 5	0.39	27	117	< 2	0.11	< 5	< 10	110	< 5	4	112	10
905474	0.006	4	< 5	0.48	28	81	< 2	0.11	< 5	< 10	112	< 5	4	102	11
905475	0.005	5	< 5	0.37	31	32	< 2	0.12	< 5	< 10	119	< 5	5	79	12
905476	0.004	5	< 5	0.39	30	99	< 2	0.10	< 5	< 10	112	< 5	4	88	8
905477	0.010	4	< 5	0.97	7	270	< 2	0.06	< 5	< 10	36	5	1	88	< 5
905478	0.020	6	< 5	1.00	15	207	< 2	0.17	< 5	< 10	103	< 5	7	55	20
905479	0.006	4	< 5	0.25	24	70	2	0.11	< 5	< 10	96	< 5	7	67	11
905480	0.060	43	< 5	3.28	11	270	< 2	0.37	< 5	< 10	93	< 5	10	113	65
905481	0.004	5	< 5	0.20	28	78	< 2	0.11	< 5	< 10	100	< 5	6	66	8
905482	0.002	< 3	< 5	0.06	19	156	< 2	0.10	< 5	< 10	88	< 5	3	64	< 5
905483	0.002	< 3	< 5	0.17	23	190	6	0.11	< 5	< 10	90	< 5	4	54	< 5
905484	0.002	< 3	< 5	0.06	20	94	< 2	0.08	< 5	< 10	77	< 5	3	49	< 5
905485	0.002	< 3	< 5	0.10	16	200	< 2	0.13	< 5	< 10	114	< 5	2	65	< 5
905486	0.003	< 3	< 5	0.13	14	255	< 2	0.18	< 5	< 10	125	< 5	< 1	67	< 5
905487	0.005	< 3	< 5	0.03	25	152	< 2	0.19	< 5	< 10	140	< 5	5	80	6
905488	0.006	< 3	< 5	0.03	25	293	< 2	0.19	< 5	< 10	136	< 5	6	83	5
905489	0.003	< 3	< 5	0.16	17	264	< 2	0.10	< 5	< 10	74	< 5	3	87	< 5
905490	0.004	< 3	< 5	< 0.01	< 4	112	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	7	< 5
905491	0.003	< 3	< 5	0.14	29	144	5	0.20	< 5	< 10	137	< 5	12	93	7
905492	0.002	5	< 5	0.14	43	278	5	0.45	< 5	< 10	263	< 5	14	78	6
905493	0.002	5	< 5	0.16	25	241	< 2	0.24	< 5	< 10	149	< 5	6	93	< 5
905494	0.008	4	< 5	0.75	22	187	< 2	0.13	< 5	< 10	79	< 5	8	127	26
905495	0.002	< 3	< 5	0.16	57	27	5	0.39	< 5	< 10	281	< 5	5	154	7
905496	0.004	< 3	< 5	0.02	58	53	< 2	0.60	< 5	< 10	288	< 5	10	147	17
905497	0.040	< 3	< 5	0.20	44	59	< 2	0.45	< 5	< 10	242	< 5	9	134	6
905498	0.037	< 3	< 5	< 0.01	44	8	< 2	0.44	< 5	< 10	197	6	9	168	12
905499	0.036	< 3	< 5	0.13	30	48	3	0.37	< 5	< 10	153	< 5	12	134	14
905500	0.023	4	< 5	0.30	33	65	< 2	0.36	< 5	< 10	166	< 5	13	119	15
905501	0.014	4	< 5	0.97	22	68	< 2	0.22	< 5	< 10	90	< 5	8	116	20
905502	0.012	3	< 5	0.05	21	186	< 2	0.29	< 5	< 10	153	< 5	6	86	7
905503	0.028	4	< 5	0.09	19	156	< 2	0.35	< 5	< 10	148	< 5	16	97	26
905504	0.032	9	< 5	0.41	25	14	< 2	0.22	< 5	< 10	126	< 5	23	123	34
905505	0.007	8	< 5	0.41	39	10	< 2	0.19	< 5	< 10	179	< 5	11	128	22
905506	0.025	5	< 5	0.29	26	290	< 2	0.48	< 5	< 10	226	< 5	14	97	38
905507	0.007	4	< 5	0.25	16	433	< 2	0.23	< 5	< 10	126	< 5	5	100	5
905508	0.010	< 3	< 5	0.16	21	252	4	0.30	< 5	< 10	157	< 5	5	131	< 5
905509	0.014	3	< 5	0.34	27	232	< 2	0.22	< 5	< 10	150	< 5	6	126	< 5
905510	0.058	46	< 5	3.32	11	270	< 2	0.32	< 5	< 10	84	< 5	11	114	57
905511	0.011	9	< 5	0.81	40	19	< 2	0.34	< 5	< 10	339	< 5	15	139	32
905512	0.009	4	< 5	0.13	28	150	< 2	0.31	< 5	< 10	209	< 5	7	124	12
905513	0.014	4	< 5	0.02	23	363	< 2	0.40	< 5	< 10	201	< 5	5	96	6
905514	0.026	5	< 5	0.07	23	270	< 2	0.36	< 5	< 10	147	< 5	14	103	29
905515	0.014	8	< 5	0.18	40	85	< 2	0.41	< 5	< 10	461	< 5	27	131	43

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905516	0.047	8	< 5	0.35	34	29	< 2	0.39	< 5	< 10	253	< 5	31	152	99
905517	0.022	13	< 5	0.83	40	38	< 2	0.45	< 5	< 10	370	< 5	20	186	59
905518	0.125	5	< 5	0.12	31	220	9	0.49	< 5	< 10	203	< 5	13	162	9
905519	0.010	9	< 5	0.38	15	265	5	0.31	< 5	< 10	106	< 5	5	159	5
905520	0.004	< 3	< 5	< 0.01	< 4	107	< 2	< 0.01	< 5	< 10	< 2	< 5	1	8	< 5
905521	0.012	5	< 5	0.46	24	253	8	0.56	< 5	< 10	154	< 5	4	129	8
905522	0.023	6	< 5	1.12	23	314	2	0.54	< 5	< 10	137	< 5	5	139	8
905523	0.014	14	< 5	2.37	19	406	< 2	0.39	< 5	< 10	32	< 5	2	146	< 5
905524	0.036	9	< 5	0.80	27	447	< 2	0.46	< 5	< 10	102	< 5	5	195	6
905525	0.018	< 3	< 5	0.17	21	256	< 2	0.33	< 5	< 10	129	< 5	7	310	8
905526	0.045	5	< 5	0.58	24	309	< 2	0.43	< 5	< 10	101	< 5	9	293	16
905527	0.044	4	< 5	0.08	21	324	< 2	0.26	< 5	< 10	144	< 5	10	251	10
905528	0.033	5	< 5	0.39	19	210	2	0.31	< 5	< 10	144	10	4	540	10
905529	0.031	6	< 5	0.42	19	252	< 2	0.24	< 5	< 10	123	6	5	419	8
905530	0.033	5	< 5	0.35	20	259	< 2	0.24	< 5	< 10	124	8	6	424	8
905531	0.095	< 3	< 5	0.20	24	432	3	0.30	< 5	< 10	96	< 5	8	199	22
905532	0.300	< 3	< 5	0.11	22	907	3	0.51	< 5	< 10	171	< 5	13	85	62
905533	0.292	4	< 5	0.15	6	745	< 2	0.23	< 5	< 10	221	< 5	9	88	< 5
905534	0.222	16	< 5	0.25	13	537	< 2	0.31	< 5	< 10	131	< 5	10	156	13
905535	0.181	6	< 5	0.17	11	725	6	0.28	< 5	< 10	168	< 5	7	114	9
905536	0.249	4	< 5	0.27	< 4	843	< 2	0.20	< 5	10	141	< 5	4	78	7
905537	0.217	< 3	< 5	0.13	10	654	4	0.24	< 5	< 10	136	< 5	8	95	11
905538	0.043	< 3	< 5	0.09	22	411	< 2	0.24	< 5	< 10	129	< 5	11	126	17
905539	0.054	< 3	< 5	0.70	30	404	< 2	0.58	< 5	< 10	320	< 5	19	103	53
905540	0.062	39	< 5	3.24	11	278	< 2	0.52	< 5	< 10	102	< 5	11	118	64
905541	0.034	5	< 5	1.52	40	338	< 2	0.43	< 5	< 10	391	< 5	28	114	44
905542	0.027	< 3	< 5	0.79	36	177	< 2	0.46	< 5	< 10	349	< 5	27	133	57
905543	0.028	< 3	< 5	0.18	31	375	< 2	0.40	< 5	< 10	256	< 5	27	111	31
905544	0.022	< 3	< 5	1.06	33	342	< 2	0.36	< 5	< 10	386	< 5	29	103	55
905545	0.030	< 3	< 5	0.46	38	34	< 2	0.40	< 5	< 10	348	< 5	26	143	46
905546	0.073	< 3	< 5	0.61	30	242	< 2	0.46	< 5	< 10	322	< 5	25	115	14
905547	0.188	< 3	< 5	0.15	11	487	6	0.49	< 5	< 10	73	< 5	29	100	14
905548	0.071	35	< 5	0.29	35	131	< 2	0.80	< 5	< 10	321	< 5	40	147	162
905549	0.067	40	< 5	0.30	35	146	< 2	0.69	< 5	< 10	278	< 5	38	149	133
905550	0.004	< 3	< 5	0.01	< 4	104	< 2	< 0.01	< 5	< 10	2	< 5	< 1	5	< 5
905551	0.018	< 3	< 5	0.02	19	34	< 2	0.21	< 5	< 10	120	< 5	8	164	34
905552	0.015	< 3	< 5	< 0.01	16	23	< 2	0.16	< 5	< 10	93	< 5	6	158	35
905553	0.010	< 3	< 5	0.01	15	32	< 2	0.11	< 5	< 10	78	< 5	5	175	17
905554	0.016	< 3	< 5	0.01	20	152	< 2	0.18	< 5	< 10	114	< 5	7	132	23
905555	0.012	< 3	< 5	0.01	23	73	< 2	0.14	< 5	< 10	110	< 5	6	152	20
905556	0.011	< 3	< 5	< 0.01	20	89	< 2	0.13	< 5	< 10	95	< 5	5	138	17
905557	0.009	< 3	< 5	< 0.01	32	56	< 2	0.15	< 5	< 10	130	< 5	5	151	18
905558	0.031	< 3	< 5	0.03	33	186	< 2	0.36	< 5	< 10	199	< 5	14	87	47
905559	0.020	< 3	< 5	0.02	38	241	< 2	0.22	< 5	< 10	224	< 5	14	82	38
905560	0.025	< 3	< 5	0.01	37	238	< 2	0.25	< 5	< 10	210	< 5	14	81	42
905561	0.021	< 3	< 5	< 0.01	39	191	< 2	0.23	< 5	< 10	184	< 5	13	95	32
905562	0.031	< 3	< 5	0.02	30	160	< 2	0.36	< 5	< 10	205	< 5	14	104	58
905563	0.021	< 3	< 5	0.03	40	254	< 2	0.27	< 5	< 10	194	< 5	13	89	35
905564	0.020	< 3	< 5	0.04	33	223	< 2	0.43	< 5	< 10	247	< 5	14	90	32
905565	0.028	< 3	< 5	0.04	38	293	3	0.25	< 5	< 10	255	< 5	15	77	35
905566	0.059	13	< 5	1.38	17	142	< 2	0.25	< 5	20	134	< 5	15	119	52

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905567	0.039	< 3	< 5	0.03	39	266	< 2	0.24	< 5	< 10	200	< 5	20	80	68
905568	0.051	< 3	< 5	0.06	35	266	< 2	0.34	< 5	< 10	232	< 5	24	81	83
905569	0.051	< 3	< 5	0.17	31	277	< 2	0.53	< 5	< 10	293	< 5	20	92	73
905570	0.058	49	< 5	3.16	11	264	< 2	0.35	< 5	< 10	81	< 5	10	117	57
905571	0.049	< 3	< 5	0.12	34	238	< 2	0.24	< 5	< 10	189	< 5	20	105	51
905572	0.035	< 3	< 5	0.10	28	151	< 2	0.28	< 5	< 10	157	< 5	13	211	61
905573	0.006	< 3	< 5	0.07	22	165	< 2	0.11	< 5	< 10	95	< 5	3	114	11
905574	0.005	< 3	< 5	0.06	22	131	3	0.09	< 5	< 10	89	< 5	3	107	8
905575	0.011	40	< 5	0.51	24	121	< 2	0.15	< 5	< 10	109	< 5	5	263	16
905576	0.016	9	< 5	0.48	25	111	< 2	0.21	< 5	< 10	134	< 5	8	180	29
905577	0.011	< 3	< 5	0.11	32	37	< 2	0.16	< 5	< 10	141	< 5	6	124	19
905578	0.007	< 3	< 5	0.07	30	35	< 2	0.12	< 5	< 10	119	< 5	4	101	15
905579	0.007	< 3	< 5	0.04	28	138	< 2	0.11	< 5	< 10	105	< 5	4	94	12
905580	0.005	< 3	< 5	< 0.01	< 4	90	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	7	< 5
905581	0.004	< 3	< 5	0.02	32	104	< 2	0.10	< 5	< 10	112	< 5	4	101	9
905582	0.003	< 3	< 5	0.09	31	48	< 2	0.09	< 5	< 10	100	< 5	3	101	7
905583	0.004	< 3	< 5	0.05	30	24	< 2	0.10	< 5	< 10	107	< 5	3	123	9
905584	0.009	5	< 5	0.30	29	50	< 2	0.12	< 5	< 10	113	< 5	5	133	16
905585	0.007	< 3	< 5	0.13	28	70	< 2	0.12	< 5	< 10	108	< 5	4	104	14
905586	0.006	< 3	< 5	0.13	32	14	< 2	0.10	< 5	< 10	111	< 5	4	109	11
905587	0.006	< 3	< 5	0.32	31	23	< 2	0.11	< 5	< 10	109	< 5	4	105	13
905588	0.007	< 3	< 5	0.43	25	53	< 2	0.10	< 5	< 10	97	< 5	4	108	12
905589	0.006	129	< 5	0.47	26	4	< 2	0.10	< 5	< 10	96	< 5	3	291	11
905590	0.006	126	< 5	0.53	26	3	< 2	0.10	< 5	< 10	94	< 5	3	315	10
905591	0.004	13	< 5	0.74	34	6	< 2	0.09	< 5	< 10	106	< 5	3	96	8
905592	0.005	< 3	< 5	0.76	35	5	< 2	0.11	< 5	< 10	117	< 5	3	86	10
905593	0.009	< 3	< 5	0.54	36	5	4	0.16	< 5	< 10	126	< 5	4	75	17
905594	0.003	13	< 5	0.41	34	5	< 2	0.10	< 5	< 10	115	< 5	3	88	8
905595	0.005	< 3	< 5	0.41	35	5	5	0.12	< 5	< 10	120	< 5	3	87	13
905596	0.012	< 3	< 5	0.40	33	6	< 2	0.16	< 5	< 10	138	< 5	5	83	25
905597	0.010	< 3	< 5	0.80	36	6	< 2	0.16	< 5	< 10	133	< 5	6	74	19
905598	0.004	< 3	< 5	0.48	34	6	5	0.11	< 5	< 10	119	< 5	4	67	11
905599	0.004	< 3	< 5	0.42	33	7	< 2	0.10	< 5	< 10	116	< 5	3	74	9
905600	0.057	41	< 5	3.21	12	272	< 2	0.28	< 5	< 10	74	< 5	11	118	54
905601	0.002	< 3	< 5	0.62	34	6	< 2	0.09	< 5	< 10	111	< 5	3	71	7
905602	0.003	< 3	< 5	0.79	33	9	< 2	0.10	< 5	< 10	111	< 5	3	79	9
905603	0.004	< 3	< 5	0.51	30	8	< 2	0.10	< 5	< 10	108	< 5	4	77	10
905604	0.004	< 3	< 5	0.25	29	10	< 2	0.12	< 5	< 10	117	< 5	4	84	8
905605	0.005	< 3	< 5	0.06	28	81	< 2	0.32	< 5	< 10	196	< 5	4	116	< 5
905606	0.005	< 3	< 5	0.06	32	25	< 2	0.14	< 5	< 10	130	< 5	3	125	7
905607	0.008	17	< 5	0.22	31	7	< 2	0.15	< 5	< 10	123	< 5	4	132	11
905608	0.005	10	< 5	0.11	30	11	< 2	0.14	< 5	< 10	117	< 5	4	144	8
905609	0.005	7	< 5	0.31	23	36	< 2	0.09	< 5	< 10	83	< 5	4	88	7

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas						4						152	153	309	9.38								6240
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						11						147	147	314	9.32								6360
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
Oreas 72a (4 Acid) Meas						3						151	161	320	9.50								6400
Oreas 72a (4 Acid) Cert						14.7						157	228	316	9.63								6930.000
OREAS 101b (4 Acid) Meas												46		417	10.6		2.42	1.23		943	21		10
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												45		411	10.1		2.37	1.21		946	19		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 101b (4 Acid) Meas												47		413	10.5		2.42	1.23		984	19		9
OREAS 101b (4 Acid) Cert												45		412	10.7		2.36	1.23		927	20.1		8.2
OREAS 98 (4 Acid) Meas				41.8					64			122		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				43.9					37			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 98 (4 Acid) Meas				44.2					33			121		> 10000									
OREAS 98 (4 Acid) Cert				45.1					97.2			121		148000									
OREAS 13b (4-Acid) Meas				0.9		49						72	9310	2290							9		2080
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				1.0		42						72	8800	2390							10		2110
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 13b (4-Acid) Meas				1.0		38						73	8440	2340							10		2100
OREAS 13b (4-Acid) Cert				0.86		57						75	8650.000	2327.000							9.0		2247.000
OREAS 904 (4 Acid) Meas				0.9	7.03	107	220	9	< 2	0.05		96	61	6550	7.33	18	3.38	0.60	18	462	2	0.04	48
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				0.4	6.03	86	181	8	5	0.05		86	49	5620	6.32	16	2.74	0.52	15	405	2	0.03	44
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 904 (4 Acid) Meas				1.0	6.72	103	214	8	5	0.05		96	56	6240	6.84	18	3.54	0.60	17	472	2	0.04	46

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert				0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1
OREAS 45d (4-Acid) Meas					8.19	10	186	< 1	< 2	0.20		30	537	370	14.5	22	0.42	0.24	22	524	< 1	0.09	237
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.42	< 3	191	< 1	< 2	0.19		31	445	384	14.7	22	0.43	0.25	22	513	1	0.10	236
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
OREAS 45d (4-Acid) Meas					8.32	3	191	< 1	3	0.19		31	483	380	14.7	22	0.43	0.25	23	519	< 1	0.10	237
OREAS 45d (4-Acid) Cert					8.150	13.8	183.0	0.79	0.31	0.185		29.50	549	371	14.5	21.20	0.412	0.245	21.5	490.000	2.500	0.101	231.0
CDN-PGMS-27 Meas	4900	1980	1270																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
CDN-PGMS-27 Meas	4200	1920	1230																				
CDN-PGMS-27 Cert	4800	2000	1290.00																				
OREAS 96 (4 Acid) Meas				11.7					13			51		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 96 (4 Acid) Meas				11.9					19			52		> 10000									
OREAS 96 (4 Acid) Cert				11.5					26.3			49.9		39300									
OREAS 923 (4 Acid) Meas				1.9	7.71	8	453	2	16	0.51	0.5	24	76	4470	6.77	19	2.77	1.76	32	990	< 1	0.33	39
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				3.6	7.58	13	448	2	19	0.50	< 0.3	23	70	4500	6.48	20	2.55	1.76	32	975	2	0.32	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 923 (4 Acid) Meas				2.0	7.76	9	436	2	16	0.51	0.3	24	76	4480	6.56	21	2.65	1.79	32	1020	1	0.32	40
OREAS 923 (4 Acid) Cert				1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8
OREAS 621 (4 Acid) Meas				71.0	6.11	84		2	4	2.08	283	30	40	3650	3.79	25	1.55	0.52	15	521	14	1.34	28
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				70.3	6.11	83		1	3	2.05	287	29	59	3610	3.78	26	2.22	0.51	14	556	15	1.31	27
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
OREAS 621 (4 Acid) Meas				72.8	6.27	72		2	5	2.11	295	31	26	3660	3.86	25	2.23	0.52	14	522	14	1.33	26
OREAS 621 (4 Acid) Cert				69.0	6.40	77.0		1.69	3.93	1.97	284	29.3	37.1	3630	3.70	24.6	2.20	0.507	14.2	532	13.6	1.31	26.2
CDN-PGMS-30 Meas	1840	1590	213																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas	2020	1650	234																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1770	1580	243																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1870	1590	222																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1800	1680	215																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
CDN-PGMS-30 Meas	1810	1520	220																				
CDN-PGMS-30 Cert	1897.000	1660.000	223.000																				
Oreas 77b (4 Acid) Meas				1.5	1.66	1430	47	< 1	< 2	2.72	0.4	1490	199	3040	25.7	12	0.33	2.55	17	635		0.39	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.8	1.81	1640	16	< 1	< 2	2.68	1.7	1430	210	3280	27.6	< 1	0.34	2.45	18	619		0.41	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
Oreas 77b (4 Acid) Meas				1.8	1.78	1550	10	< 1	3	2.63	1.2	1420	246	3210	27.0	< 1	0.33	2.40	18	620		0.40	> 10000
Oreas 77b (4 Acid) Cert				1.62	1.94	2050	118	0.470	3.44	3.06	1.20	1550	280	3430	29.9	4.61	0.361	2.59	18.8	640		0.434	113000
OREAS 681 (4 Acid) Meas				< 0.3	7.91		419	1	< 2	5.73		46	1280	261	7.40	18	1.34	5.06	13	1270	1	1.59	464
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.02		416	1	< 2	5.78		48	1790	262	7.53	17	1.36	5.09	13	1290	< 1	1.61	469
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 681 (4 Acid) Meas				< 0.3	8.10		419	1	< 2	5.81		49	1270	266	7.62	18	1.37	5.14	13	1300	1	1.61	471
OREAS 681 (4 Acid) Cert				0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503
OREAS 147 (4 Acid) Meas					5.22	18	> 1000	32	9	1.18		7	44	301	3.38	24	1.74	0.57	2240	414	4	0.99	22
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
OREAS 147 (4 Acid) Meas					5.25	28	> 1000	30	7	1.21		7	68	296	3.41	25	1.75	0.58	2260	438	6	0.99	24
OREAS 147 (4 Acid) Cert					4.90	36.0	1940	31.2	12.5	1.09		6.90	57.0	298	3.23	22.6	1.60	0.535	2260	390	7.99	0.948	21.2
Oreas 521 (4 Acid) Meas				1.1	4.78	191		< 1	3	3.82		384	33	5640	20.0	18	3.24	1.17	17	3140	120	0.96	68
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.1	4.67	266		< 1	2	3.72		365	74	5750	20.1	17	3.17	1.14	17	3030	128	0.97	70

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
Oreas 521 (4 Acid) Meas				1.2	4.73	326		< 1	4	3.76		374	36	5810	20.2	17	3.23	1.15	17	3120	144	0.97	68
Oreas 521 (4 Acid) Cert				0.89	4.77	336		0.9	6	3.86		386	31	6070	20.7	17	3.16	1.13	16	3210	138	0.98	73
OREAS 70b (4 Acid) Meas				< 0.3	3.65	22	202	< 1	< 2	2.87	0.3	73		49	5.63	9	0.59	12.9	33	1100	6	0.72	1990
OREAS 70b (4 Acid) Cert				0.2	3.87	150	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
OREAS 70b (4 Acid) Meas				< 0.3	3.77	142	196	< 1	< 2	2.98	< 0.3	79		50	5.72	9	0.60	12.9	33	1140	3	0.76	2090
OREAS 70b (4 Acid) Cert				0.2	3.87	148	202	1	0.8	3.05	0.4	78		52	5.52	10	0.62	13.4	34	1150	3	0.77	2180
905474 Orig	43	256	132																				
905474 Dup	39	252	127																				
905481 Orig				0.6	7.75	7	121	< 1	< 2	4.29	< 0.3	76	84	1280	8.19	16	0.65	6.88	75	1440	< 1	1.74	446
905481 Dup				0.6	7.71	< 3	121	< 1	< 2	4.28	< 0.3	75	81	1260	8.13	16	0.64	6.89	74	1440	< 1	1.72	447
905484 Orig	7	42	36																				
905484 Dup	7	42	35																				
905494 Orig	30	131	86																				
905494 Dup	31	134	87																				
905496 Orig				< 0.3	7.24	< 3	112	< 1	3	2.37	< 0.3	66	172	92	10.8	33	0.19	7.12	59	1600	< 1	1.01	137
905496 Dup				< 0.3	7.18	< 3	112	< 1	3	2.35	< 0.3	66	186	90	10.7	31	0.19	7.07	58	1590	< 1	0.99	136
905504 Orig	17	61	84																				
905504 Dup	15	61	86																				
905511 Orig				0.7	3.42	5	34	< 1	4	5.60	< 0.3	116	74	2980	13.1	12	0.16	7.03	30	2040	< 1	0.32	528
905511 Dup				0.7	3.47	< 3	34	< 1	3	5.65	< 0.3	117	78	3070	13.3	12	0.16	7.10	30	2060	< 1	0.32	535
905514 Orig	4	8	< 5	< 0.3	8.11	6	537	< 1	3	4.69	< 0.3	46	83	306	8.12	18	0.96	4.24	32	1310	< 1	2.13	157
905514 Split PREP DUP	4	7	< 5	< 0.3	8.25	< 3	550	< 1	3	4.73	< 0.3	46	109	295	8.17	18	0.99	4.28	32	1320	< 1	2.18	156
905514 Orig	3	8	< 5																				
905514 Dup	4	8	< 5																				
905523 Orig	< 2	11	< 5	1.0	9.60	4	81	< 1	2	4.55	< 0.3	68	22	489	13.0	30	1.10	2.15	37	1530	< 1	2.09	398
905523 Dup	< 2	11	< 5	1.0	9.63	< 3	113	< 1	2	4.57	0.3	68	30	495	13.0	31	1.11	2.16	38	1560	< 1	2.08	406
905543 Orig	7	7	< 5																				
905543 Dup	6	7	< 5																				
905545 Orig				0.6	4.09	< 3	24	< 1	< 2	4.62	0.5	89	111	1440	15.9	17	0.12	5.34	26	2100	< 1	0.36	259
905545 Dup				0.5	4.09	4	24	< 1	< 2	4.67	0.4	90	94	1440	15.9	17	0.12	5.48	27	2230	< 1	0.36	260
905553 Orig	3	52	28																				
905553 Dup	< 2	52	37																				
905561 Orig				< 0.3	7.33	5	726	< 1	< 2	5.29	< 0.3	52	63	44	8.98	14	1.06	4.73	30	1480	< 1	1.42	105
905561 Dup				< 0.3	7.50	3	741	< 1	< 2	5.30	< 0.3	53	47	43	9.14	15	1.06	4.71	31	1470	< 1	1.44	106
905563 Orig	3	30	55																				
905563 Dup	3	29	57																				
905564 Orig	10	141	200	< 0.3	7.87	< 3	352	< 1	< 2	5.34	< 0.3	49	132	231	8.75	17	0.60	4.35	27	1490	< 1	2.08	172
905564 Split PREP DUP	10	188	276	< 0.3	7.86	< 3	374	< 1	< 2	5.18	< 0.3	47	142	209	8.47	17	0.62	4.20	26	1420	< 1	2.07	171
905568 Orig				0.4	6.54	< 3	474	< 1	< 2	5.97	0.3	48	24	202	9.88	18	0.72	3.47	25	1420	< 1	1.21	70
905568 Dup				0.3	7.27	4	386	< 1	< 2	5.94	< 0.3	41	24	207	9.17	18	0.63	2.97	24	1340	< 1	1.46	77
905569 Orig				0.5	7.86	3	337	< 1	< 2	5.83	0.4	49	22	595	9.24	20	0.52	3.30	25	1350	< 1	1.92	114
905569 Dup				0.5	7.88	< 3	339	< 1	< 2	5.86	0.4	49	27	611	9.29	20	0.53	3.39	26	1360	1	1.96	116
905572 Orig	33	583	723																				

Analyte Symbol	Au	Pd	Pt	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni
Unit Symbol	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm
Lower Limit	2	5	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1
Method Code	FA-ICP	FA-ICP	FA-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905572 Dup	31	615	761																				
905582 Orig	16	93	99																				
905582 Dup	15	97	106																				
905592 Orig	69	89	82																				
905592 Dup	69	91	83																				
905607 Orig				0.8	4.70	< 3	< 7	< 1	< 2	4.28	0.6	100	624	1170	10.0	14	0.02	9.94	29	1850	< 1	0.05	591
905607 Dup				0.8	4.75	< 3	< 7	< 1	< 2	4.33	0.5	98	675	1170	10.1	15	0.02	10.0	30	1870	< 1	0.05	597
905609 Orig	15	87	76	0.3	4.24	< 3	< 7	< 1	< 2	7.87	0.4	75	521	784	8.22	13	0.04	6.24	51	1400	< 1	0.06	520
905609 Split PREP DUP	14	81	68	0.4	4.20	3	< 7	< 1	< 2	8.06	0.4	73	489	817	8.44	12	0.04	6.29	50	1400	< 1	0.06	520
Method Blank				< 0.3	< 0.01	4	< 7	< 1	< 2	< 0.01	< 0.3	< 1		2	< 0.01	< 1	< 0.01	< 0.01	< 1	6	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	3	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	2	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	1	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	7	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	5	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	7	< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	2	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	3	< 5	< 5																				
Method Blank	4	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank	< 2	< 5	< 5																				
Method Blank				< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	< 1	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	< 1	< 1	< 0.01	< 1

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				1.65											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.68											
Oreas 72a (4 Acid) Cert				1.74											
Oreas 72a (4 Acid) Meas				1.67											
Oreas 72a (4 Acid) Cert				1.74											
OREAS 101b (4 Acid) Meas	0.110	20						0.36		360	79		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.108	23						0.37		350	80		134		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 101b (4 Acid) Meas	0.120	26						0.37		360	81		136		
OREAS 101b (4 Acid) Cert		23						0.35		387	77		133		
OREAS 98 (4 Acid) Meas		314	13	15.0										1340	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		305	< 5	16.8										1310	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas		310	5	16.4										1320	
OREAS 98 (4 Acid) Cert		345	20.1	15.5										1360	
OREAS 13b (4-Acid) Meas				1.16										132	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.19										117	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 13b (4-Acid) Meas				1.17										122	
OREAS 13b (4-Acid) Cert				1.2										133	
OREAS 904 (4 Acid) Meas	0.110	8	< 5	0.07	12	32			< 5	< 10	88	< 5	36	29	197
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.090	6	< 5	0.05	11	27			< 5	< 10	83	< 5	32	26	25
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	0.109	9	< 5	0.06	12	31			< 5	< 10	90	< 5	36	30	197

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
OREAS 904 (4 Acid) Cert	0.0980	10.6	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 45d (4-Acid) Meas	0.040	17	< 5	0.05	53	34		0.65	< 5	< 10	209	< 5	12	54	148
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.034	24	< 5	0.04	53	34		0.15	< 5	< 10	101	< 5	11	46	58
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.034	25	< 5	0.04	52	34		0.34	< 5	< 10	144	< 5	11	47	94
OREAS 45d (4-Acid) Cert	0.042	21.8	0.82	0.049	49.30	31.30		0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
CDN-PGMS-27 Meas															
CDN-PGMS-27 Cert															
OREAS 96 (4 Acid) Meas		95	< 5	4.37										458	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 96 (4 Acid) Meas		98	< 5	4.41										467	
OREAS 96 (4 Acid) Cert		101	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	0.068	78	< 5	0.74	13	47		0.42	< 5	< 10	97	9	27	377	135
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.067	85	< 5	0.72	13	46		0.41	< 5	< 10	98	10	26	365	125
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	0.067	86	< 5	0.73	13	47		0.42	< 5	< 10	98	9	27	374	130
OREAS 923 (4 Acid) Cert	0.0630	83.0	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 621 (4 Acid) Meas	0.036	> 5000	29	4.78	6	71		0.19	< 5	< 10	35	< 5	12	> 10000	168
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.038	> 5000	16	4.65	6	63		0.18	< 5	< 10	35	< 5	12	> 10000	168
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
OREAS 621 (4 Acid) Meas	0.037	> 5000	14	4.73	6	59		0.18	< 5	< 10	36	< 5	12	> 10000	161
OREAS 621 (4 Acid) Cert	0.0359	13600	139	4.48	6.24	91.0		0.149	1.96	2.83	31.8	2.35	11.1	52200	168
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
CDN-PGMS-30 Meas															
CDN-PGMS-30 Cert															
Oreas 77b (4 Acid) Meas		68	21		< 4	30	< 2	0.06	6	< 10	33	9	8	182	40
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		64	28		< 4	31	< 2	0.06	< 5	< 10	35	11	6	182	40
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
Oreas 77b (4 Acid) Meas		63	27		< 4	30	< 2	0.06	< 5	< 10	34	< 5	6	177	40
Oreas 77b (4 Acid) Cert		61.0	9.100		3.51	34.4	1.35	0.0640	1.37	1.71	33.6	3.07	6.55	205	37.9
OREAS 681 (4 Acid) Meas	0.139	7	< 5	0.08	27	461		0.58		< 10	247	6	17	78	47
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.135	9	< 5	0.10	27	452		0.45		< 10	222	< 5	16	82	54
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 681 (4 Acid) Meas	0.143	8	< 5	0.10	27	453		0.56		< 10	250	< 5	16	83	61
OREAS 681 (4 Acid) Cert	0.141	10.2	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0
OREAS 147 (4 Acid) Meas	0.096	29	8	0.02	11	314		0.32	8	< 10	59		28	148	22
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
OREAS 147 (4 Acid) Meas	0.138	29	23	0.03	11	321		0.37	6	< 10	60		29	148	101
OREAS 147 (4 Acid) Cert	0.155	27.8	10.6	0.0300	10.7	299		0.470	10.8	15.8	60.0		26.3	138	105
Oreas 521 (4 Acid) Meas	0.076	< 3	< 5	1.70	14	93	< 2	0.31	< 5	30	187	15	18	25	120
Oreas 521 (4 Acid) Cert	0.081	9	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.084	16	< 5	1.71	14	109	< 2	0.36	< 5	30	205	33	19	25	125

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	158	0.8	0.39	0.3	30	209	92	20	24	123
Oreas 521 (4 Acid) Meas	0.085	16	7	1.67	14	89	4	0.41	< 5	40	210	95	19	25	127
Oreas 521 (4 Acid) Cert	0.081	9.3	6	1.80	14	160	0.8	0.39	0.3	30	209	92	20	24	123
OREAS 70b (4 Acid) Meas	0.023	10	< 5	0.22	11	70		0.18	< 5	< 10	66	21	8	96	56
OREAS 70b (4 Acid) Cert	0.022	10	0.6	0.31	12	74		0.18	0.3	2	67	4.9	10	110	66
OREAS 70b (4 Acid) Meas	0.023	19	< 5	0.29	12	69		0.17	< 5	< 10	66	5	9	106	65
OREAS 70b (4 Acid) Cert	0.022	14	0.6	0.31	12	74		0.18	0.3	2	67	5	10	112	66
905474 Orig															
905474 Dup															
905481 Orig	0.005	6	< 5	0.20	28	79	4	0.11	< 5	< 10	100	< 5	6	65	8
905481 Dup	0.004	5	< 5	0.20	28	78	< 2	0.11	< 5	< 10	100	< 5	6	66	8
905484 Orig															
905484 Dup															
905494 Orig															
905494 Dup															
905496 Orig	0.003	< 3	< 5	0.02	58	53	< 2	0.54	< 5	< 10	274	< 5	10	147	17
905496 Dup	0.004	< 3	< 5	0.02	58	54	3	0.67	< 5	< 10	301	< 5	10	147	18
905504 Orig															
905504 Dup															
905511 Orig	0.011	9	< 5	0.79	40	19	< 2	0.34	< 5	< 10	337	< 5	15	138	33
905511 Dup	0.011	8	< 5	0.82	41	19	< 2	0.34	< 5	< 10	341	< 5	16	140	32
905514 Orig	0.026	5	< 5	0.07	23	270	< 2	0.36	< 5	< 10	147	< 5	14	103	29
905514 Split PREP DUP	0.027	< 3	< 5	0.07	24	274	< 2	0.39	< 5	< 10	161	< 5	14	103	32
905514 Orig															
905514 Dup															
905523 Orig	0.014	15	< 5	2.36	19	402	< 2	0.33	< 5	< 10	28	< 5	2	146	< 5
905523 Dup	0.014	13	< 5	2.39	19	410	10	0.45	< 5	< 10	35	< 5	2	146	6
905543 Orig															
905543 Dup															
905545 Orig	0.029	< 3	< 5	0.46	38	34	< 2	0.37	< 5	< 10	339	< 5	26	143	44
905545 Dup	0.032	< 3	< 5	0.46	38	35	< 2	0.44	< 5	< 10	357	< 5	26	143	48
905553 Orig															
905553 Dup															
905561 Orig	0.020	< 3	< 5	< 0.01	38	188	< 2	0.21	< 5	< 10	178	< 5	12	96	31
905561 Dup	0.021	< 3	< 5	0.01	39	194	< 2	0.24	< 5	< 10	191	< 5	13	95	34
905563 Orig															
905563 Dup															
905564 Orig	0.020	< 3	< 5	0.04	33	223	< 2	0.43	< 5	< 10	247	< 5	14	90	32
905564 Split PREP DUP	0.019	< 3	< 5	0.04	31	224	< 2	0.36	< 5	< 10	210	< 5	14	88	38
905568 Orig	0.056	< 3	< 5	0.07	38	239	< 2	0.33	< 5	< 10	226	< 5	27	87	95
905568 Dup	0.046	< 3	< 5	0.04	32	294	< 2	0.36	< 5	< 10	238	< 5	21	74	72
905569 Orig	0.050	< 3	< 5	0.16	31	277	< 2	0.54	< 5	< 10	301	< 5	20	92	75
905569 Dup	0.051	< 3	< 5	0.17	31	278	< 2	0.51	< 5	< 10	284	< 5	20	93	71
905572 Orig															

Analyte Symbol	P	Pb	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	3	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
905572 Dup															
905582 Orig															
905582 Dup															
905592 Orig															
905592 Dup															
905607 Orig	0.008	17	< 5	0.22	30	7	< 2	0.15	< 5	< 10	122	< 5	4	136	11
905607 Dup	0.008	17	< 5	0.23	31	7	< 2	0.15	< 5	< 10	124	< 5	4	128	11
905609 Orig	0.005	7	< 5	0.31	23	36	< 2	0.09	< 5	< 10	83	< 5	4	88	7
905609 Split PREP DUP	0.005	11	< 5	0.32	23	36	< 2	0.09	< 5	< 10	83	< 5	4	114	7
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	2	< 5
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank															
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Method Blank															
Method Blank															
Method Blank															
Method Blank	< 0.001	< 3	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5

Drillhole: EB-21-84

Major		Code	Minor		Description	Samples				PD Eq	Au	Pt	Pd	Cu	Ni
From	To		From	To		Number	From	To	Length	g/t	ppb	ppb	ppb	ppm	ppm
155.20	251.00	VT GB			Varitextured Gabbro	905528	233.00	234.00	1.00	0.031	1	3	3	164	178
						905529	234.00	235.00	1.00	0.031	1	3	3	226	177
						905530	Duplicate of 905529			0.032	2	3	3	218	174
						905531	235.00	236.00	1.00	0.027	1	3	3	84	145
						905532	236.00	237.00	1.00	0.036	1	3	3	69	211
						905533	237.00	238.00	1.00	0.026	1	3	6	157	117
						905534	238.00	239.00	1.00	0.063	1	6	10	175	326
						905535	239.00	240.00	1.00	0.025	4	3	3	234	101
						905536	240.00	241.00	1.00	0.043	4	9	15	245	84
						905537	241.00	242.00	1.00	0.030	3	3	3	215	145
						905538	242.00	243.00	1.00	0.039	1	3	6	117	208
						905539	243.00	244.00	1.00	0.229	25	56	73	1650	370
						905540	Standard CDN-ME-9			3.453	123	697	1300	6220	8180
						905541	244.00	245.00	1.00	0.419	43	109	134	3210	651
						905542	245.00	246.00	1.00	0.175	23	35	41	2140	425
						905543	246.00	247.00	1.00	0.041	6	3	7	585	161
						905544	247.00	248.00	1.00	0.313	38	78	107	2460	407
						905545	248.00	249.00	1.00	0.152	29	29	39	1440	259
						905546	249.00	250.00	1.00	0.108	15	21	30	896	226
						905547	250.00	251.00	1.00	0.043	6	8	15	345	67
251.00		E.O.H.			End of Hole										