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**Assessment Report
On the
Hackl LDI Project
Thunder Bay Mining Division
Northwestern Ontario
NTS MAP SHEET 52H04**

**Prepared for
Joe Hackl**

Prepared by
Garry Clark P. Geo
Clark Exploration Consulting Inc.
April, 2023



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1.0 SUMMARY

The Hackl LDI property is situated west of the Lac Des Iles mine on NTS map sheet 52H04 in the Thunder Bay Mining Division. The Property is located 90 km north of Thunder Bay, Ontario. The Property is comprised of 31 claims totalling ~496 hectares. The total work requirement for the claims is \$12,400 annually. Joe and Joey Hackl. hold 100% ownership of the mining claims.

To access the claim block from Thunder Bay, head north approximately 90 kilometers on Hwy 527 to the Lac Des Iles Mine Access Road. The Property lies in the eastern part of the Central Wabigoon subprovince of the Archean Superior Structural Province. It is part of the Lac des Iles Suite of Neoproterozoic mafic to ultra-mafic intrusions that occur within an approximately 42 kilometer diameter circular perimeter comprising the Lac des Iles intrusions, the Tib Lake intrusion, the Buck Lake intrusion, the Wakino/Demars intrusion, the Bullseye intrusion, the Chisamore Intrusion, Shelby River Intrusion and the Dog River intrusion

Joe Hackl, Pat Hackl and Joey Hackl completed prospecting and sampling on claim 653140. Joe and Pat Hackl completed work on May 8th, 2021. During this program 5 samples were taken of perspective platinum, palladium, gold values. An additional day of prospecting was completed by Joe and Joey Hackl on October 9th, 2021 and an additional 3 samples were taken.. Prospecting grab sample locations are illustrated on Figure 5

2.0 INTRODUCTION

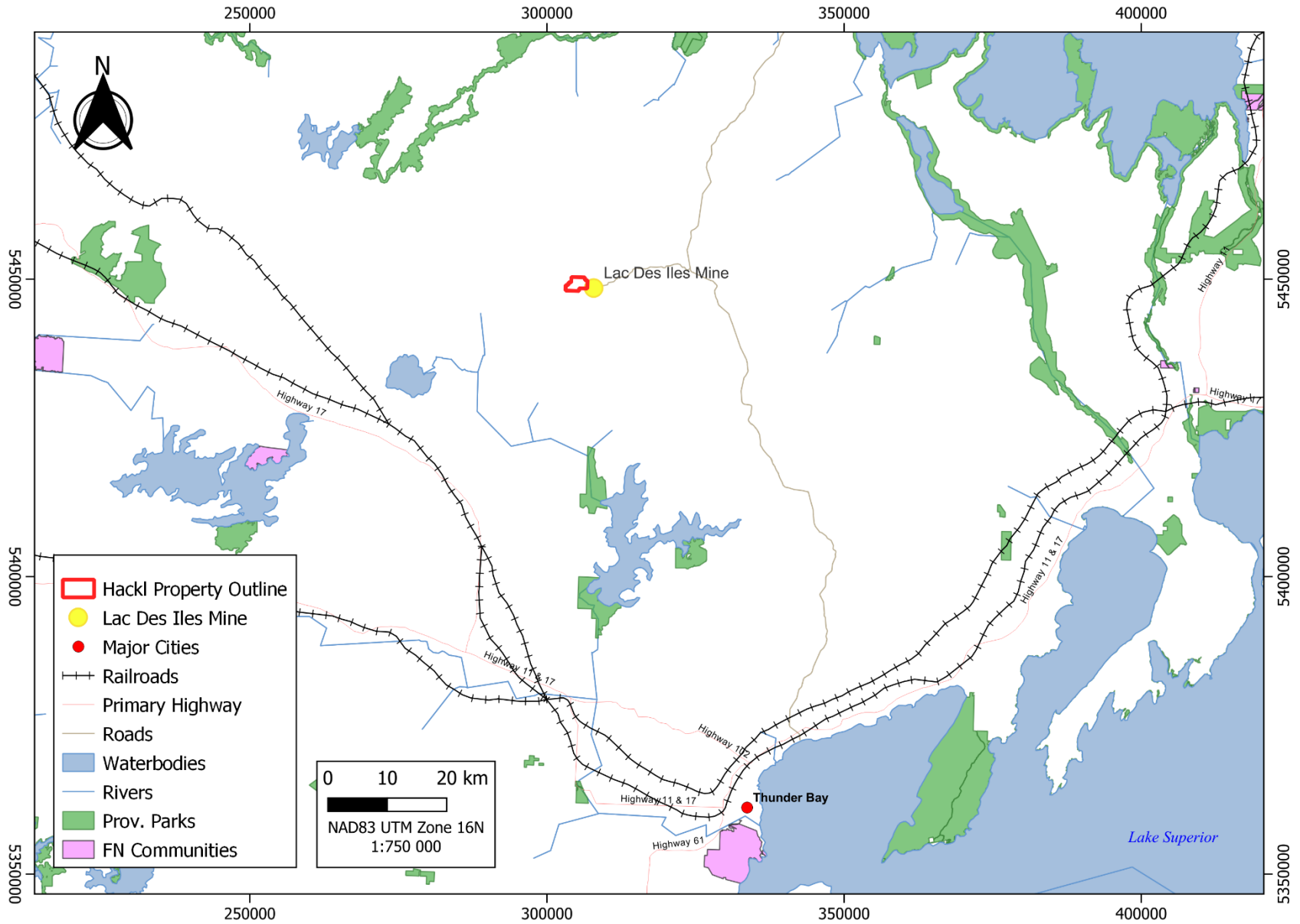
The Hackl LDI property is situated west of the Lac Des Iles mine on NTS map sheet 52H04 in the Thunder Bay Mining Division. The Property is located 90 km north of Thunder Bay, Ontario (Figure 1). The Property is comprised of 31 claims totalling ~ 496 hectares (Figure 2). The total work requirement for the claims is \$12,400 annually. Joe and Joey Hackl hold 100% ownership of the mining claims.

The Property located in the eastern part of the Central Wabigoon subprovince of the Archean Superior Structural Province. It is part of the Lac des Iles Suite of Neoproterozoic mafic to ultra-mafic intrusions that occur within an approximately 42 kilometer diameter circular perimeter comprising the Lac des Iles intrusions, the Tib Lake intrusion, the Buck Lake intrusion, the Wakino/Demars intrusion, the Bullseye intrusion, the Chisamore Intrusion, Shelby River Intrusion and the Dog River intrusion. The intrusions are located immediately to the north of the Quetico Subprovince and directly west of the Nipigon embayment of the Mid-continent Rift System. These intrude a series of tonalite and

tonalite gneiss, with some biotite granodiorite, granite, and sanukitoid rocks in the immediate area. The Quetico terrain boundary runs SW-NE immediately to the south of these intrusions.

Joe, Pat and Joey carried out a two day prospecting program collecting samples thought to be potentially hosting palladium, platinum and gold mineralization.

Figure 1: Hackl LDI Property Location Map



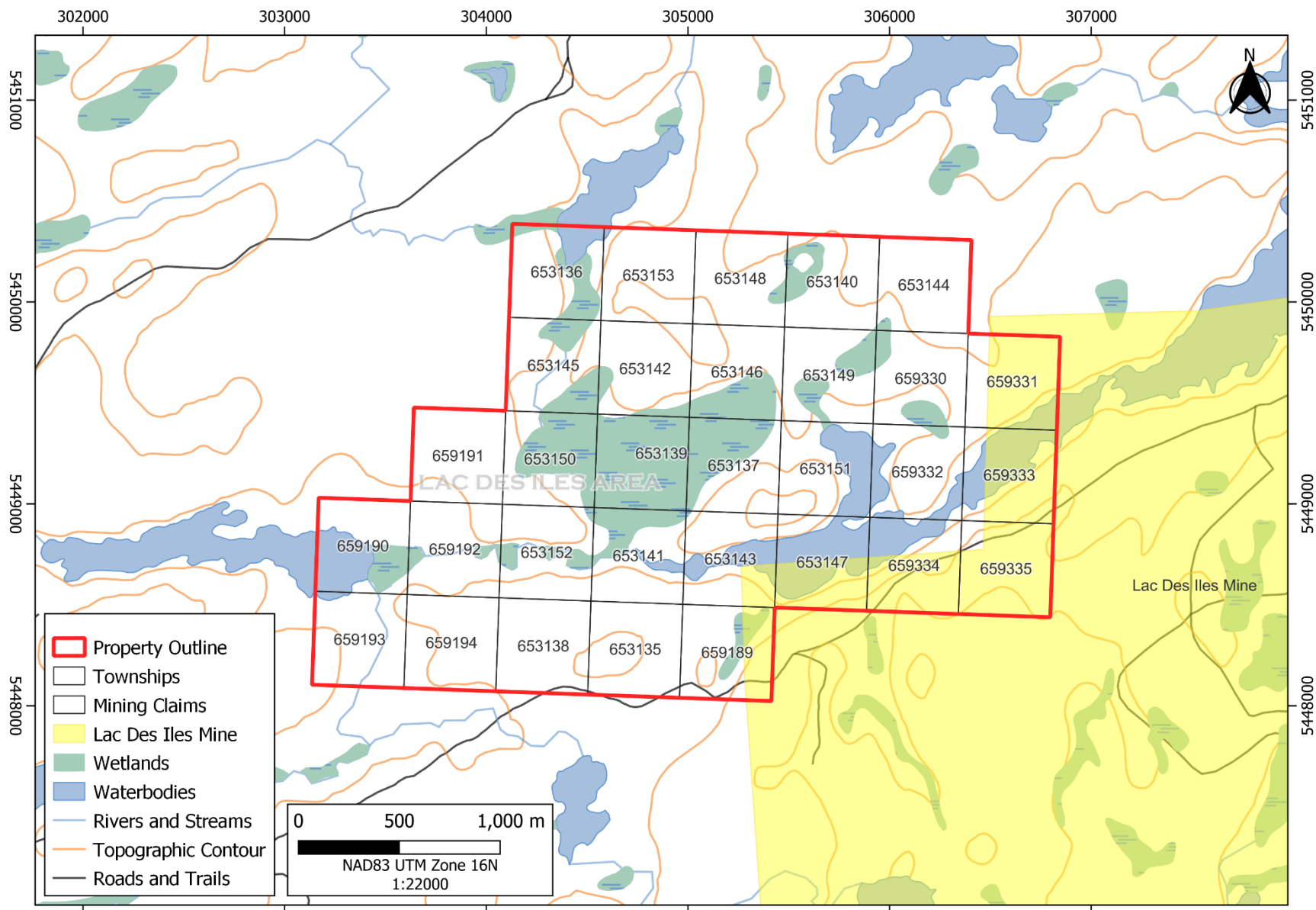


Figure 2: Hackl LDI Property Claim Map

2.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE & PHYSIOGRAPHY

The Lac Des Iles Mine is located approximately 90 km north of Thunder Bay in Northwestern Ontario (Figure 1.) The project is part of the Thunder Bay Mining District on provincial grid 52H04H. To access the claim block from Thunder Bay, head north approximately 90 kilometers on Hwy 527 to the Lac Des Iles Mine Access Road.

The climate is typical of Northern Ontario with average temperatures ranging from 2.6° to - 18.2°C in winter and from 4.4° to 18.5°C in summer. Average yearly rainfall is 535 mm and snowfall are 170 cm. Work can be carried out year round with very few exceptions, such as extreme cold temperatures and winter storms.

The property is close to Thunder Bay, the largest city in Northwestern Ontario. Thunder Bay offers a strong economic base, with a large retail and service sector to serve residents and visitors. Supplies and work force is available in Thunder Bay along with access to infrastructure and an international airport.

The terrain is typical of Northwestern Ontario, with relatively low, rounded ridges and minor ledges (2–30 m) separated by swampy valleys and small creeks. The overburden covered areas are a mixture of recent sand and gravel deposits and lacustrine clays. The elevation ranges from 375 m to 435 m averaging around 400 m above mean sea level.

Table 1: Hackl LDI Property Claims

TENURE_NUM	TITLE	ISSUE_DATE	CLAIM_DUE_	HOLDER				
659189	Single Cell Mining Claim	2021-06-01	2023-06-01	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
659190	Single Cell Mining Claim	2021-06-01	2023-06-01	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
659330	Single Cell Mining Claim	2021-06-04	2023-06-04	(100) JOE HACKL				
659331	Single Cell Mining Claim	2021-06-04	2023-06-04	(100) JOE HACKL				
659332	Single Cell Mining Claim	2021-06-04	2023-06-04	(100) JOE HACKL				
659333	Single Cell Mining Claim	2021-06-04	2023-06-04	(100) JOE HACKL				
659334	Single Cell Mining Claim	2021-06-04	2023-06-04	(100) JOE HACKL				
659335	Single Cell Mining Claim	2021-06-04	2023-06-04	(100) JOE HACKL				
653135	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653136	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653137	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653138	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653139	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653140	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				

TENURE_NUM	TITLE	ISSUE_DATE	CLAIM_DUE_	HOLDER				
653141	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653142	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653143	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653144	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653145	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653146	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653147	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653148	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653149	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653150	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653151	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653152	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
653153	Single Cell Mining Claim	2021-04-25	2023-04-25	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
659191	Single Cell Mining Claim	2021-06-01	2023-06-01	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
659192	Single Cell	2021-06-01	2023-06-01	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				

TENURE_NUM	TITLE	ISSUE_DATE	CLAIM_DUE_	HOLDER				
	Mining Claim							
659193	Single Cell Mining Claim	2021-06-01	2023-06-01	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				
659194	Single Cell Mining Claim	2021-06-01	2023-06-01	(50) JOE HACKL, (50) JOEY CHRISTOPHER HACKL				

3.0 REGIONAL GEOLOGY

Much of the information presented in this section is sourced from the Open File Report OFR6120 Project Unit 95-014; *Regional Geology of the Lac des Iles Area* (Stone et al. 2003). Information presented here was also sourced from *NI 43-101 Technical Report: Feasibility Study Incorporating the Life of Mine Plan for Lac des Iles Mine, Thunder Bay, Ontario, Canada* (Buss et al. 2017). Additional sources are referenced where appropriate (Section 10).

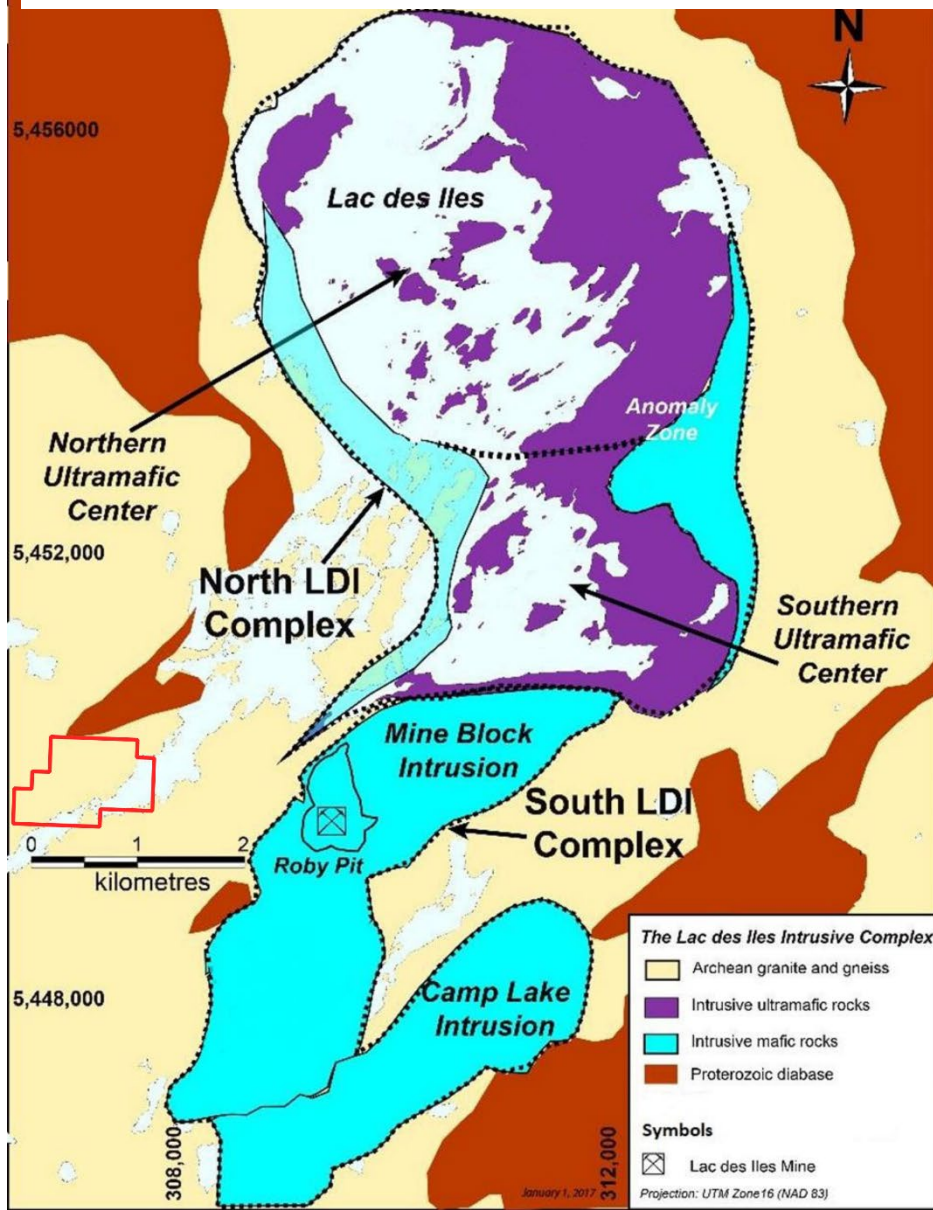
The Lac Des Iles mine is located in the eastern part of the Central Wabigoon subprovince of the Archean Superior Structural Province. It is part of the Lac des Iles Suite of Neoproterozoic mafic to ultra-mafic intrusions that occur within an approximately 42 kilometer diameter circular perimeter comprising the Lac des Iles intrusions, the Tib Lake intrusion, the Buck Lake intrusion, the Wakino/Demars intrusion, the Bullseye intrusion, the Chisamore Intrusion, Shelby River Intrusion and the Dog River intrusion (see Figure 4). The intrusions are located immediately to the north of the Quetico Subprovince and directly west of the Nipigon embayment of the Mid-continent Rift System. These intrude a series of tonalite and tonalite gneiss, with some biotite granodiorite, granite, and sanukitoid rocks in the immediate area. The Quetico terrain boundary runs SW-NE immediately to the south of these intrusions. (Stone, D. 2010)

The easternmost bodies of the Lac des Iles suite of intrusions are the LDI Igneous Complex (LDI-IC) and the Legris Lake complex. Both the LDI-IC and the Legris Lake complex appear to have been emplaced along northeast-trending splay structures (e.g., Shelby Lake fault) emanating from the Quetico Fault Zone (see Figure 4). The Quetico Fault Zone is a collisional structural boundary between the Quetico and Wabigoon subprovinces that formed during the Shebandowanian orogeny at approximately 2695 Ma (Corfu and Stott 1986). Similarly, many of the Lac

des Iles suite intrusions located in the western part of the Lac des Iles area are spatially associated with northeast- to north-striking faults that splay off this collisional boundary.

The intrusions range in size from 1 to 10 km and vary compositionally from leucogabbro and gabbro-norite with rare anorthosite to peridotite and pyroxenite. The intrusions crosscut most rock types except for biotite granite dikes and Proterozoic-aged intrusions. Archean rocks are observed to be intruded by Proterozoic-aged (~1100 Ma) diabase dikes and sills of the Nipigon Sill Complex of the Mid-Continent Rift (MCR). They are typically medium grained, massive, and dark grey weathering brown and locally pyroxene phyric.

Figure 3: Hackl LDI Property Regional Geology



4.0 PROPERTY GEOLOGY

The Property Geology is described in the government Open File Report OFR6120 Project Unit 95-014; *Regional Geology of the Lac des Iles Area* (Stone et al. 2003). The Property is indicated to be composed of a series of tonalite and tonalite gneiss, with some biotite granodiorite, granite, and sanukitoid rocks in the immediate area.

This is contradictory of the area sampled that is a mafic to ultramafic dike with trace sulfides.

5.0 EXPLORATION HISTORY

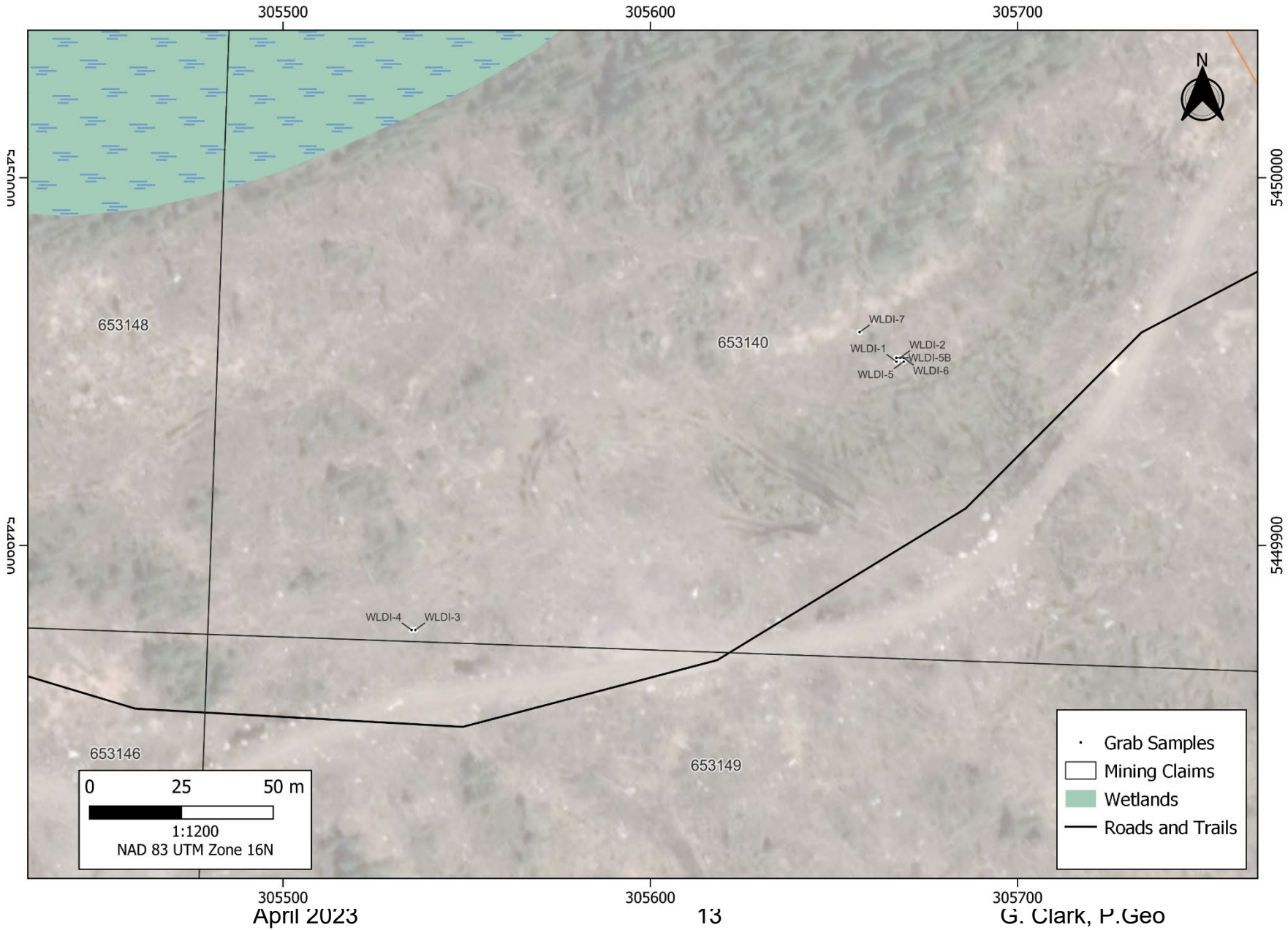
There is no documented history of Exploration for the Property other than regional geological mapping documented by the government (Stone et al 2003).

6.0 2021 PROSPECTING PROGRAM

Joe Hackl, Pat Hackl and Joey Hackl completed prospecting and sampling on claim 653140. Joe and Pat Hackl completed work on May 8th, 2021. During this program 5 samples were taken of perspective platinum, palladium, gold values. An additional day of prospecting was completed by Joe and Joey Hackl on October 9th, 2021 and an additional 3 samples were taken.. Prospecting grab sample locations are illustrated on Figure 5

Grab sample descriptions and assays can be found in Appendix I, daily log in Appendix II and assay invoice in Appendix III..

Figure 4: Grab Sample Locations



7.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY

Grab samples were collected and placed in sample bags with appropriate sample tags.. All samples were delivered directly to the laboratory by Joe Hackl to the Thunder Bay lab.

Analysis of the grab samples was conducted by ACTLABS in Thunder Bay, Ontario..The samples were transported to Thunder Bay and dropped off at the lab where prepared, crushed, pulverized and dried. All surface samples were analyzed using fire assay with a ICP finish. Samples were analysed for gold, platinum and palladium and reported in ppb.

ACTLAB's Quality System is accredited to international quality standards through the following organizations:

- Standards Council of Canada (SCC)
- Canadian Association for Laboratory Accreditation (CALA)

ACTLABS is accredited and/or certified to the following standards:

- ISO/IEC 17025:2017
- ISO 9001:2015

8.0 INTREPRETATIONS AND CONCLUSIONS

The prospecting successfully located rocks that had anomalous platinum, palladium and gold in areas thought to be barren and of the incorrect rock type. Assay locations are illustrated in Figure 5 and assay values are located shown in Appendix II.

The location of anomalous values in rocks interpreted to be barren open the area for further prospecting. The interpreted geology was probably completed with airborne magnetics and limited to no ground truthing.

Further prospecting and sampling is required to ground truth the extent of the results from the Hackl LDI Property.

9.0 RECOMMENDATIONS

The limited prospecting completed on the Property was successful in locating anomalous platinum, palladium and gold values. Further prospecting coupled with hand stripping and limited soil sampling is recommended to assess the extent and associated mineralization that may be similar to the Lac Des Ilse Mine.

10.0 REFERENCES

Stone, D., 2010. Ontario Geological Survey Open File Report 5421 "Precambrian Geology of the Central Wabigoon Subprovince Area, Northwestern Ontario", Pg.42.

Stone, D. and Davis, D.W., 2006. Revised tectonic domains of the south-central Wabigoon Subprovince; *in* Summary of Field Work and Other Activities 2006, Ontario Geological Survey, Open File Report 6194, p. 11-1 to 11-18.

Stone, D., Lavigne, M.J., Schnieders, B., Scott, J., and Wagner, D. 2003. Regional geology of the Lac des Iles area; *in* Summary of Field Work and Other Activities 2003, Ontario Geological Survey, Open File Report OFR6120, Project Unit 95-014 p. 15-1–15-25.

Sutcliffe, R.H., 1986. Regional Geology of the Lac des Iles Area, District of Thunder Bay. In Summary of Field Work and Other Activities 1986. Ontario Geological Survey Miscellaneous Paper 132, p. 70-75. Sutcliffe,

11.0 CERTIFICATE AND QUALIFICATIONS

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

CERTIFICATE OF QUALIFIED PERSON

I Garry Clark, P. Geo. (#0254), do hereby certify that:

1. I am a consulting geologist with an office at 941 Cobalt Cres., Thunder Bay, Ontario.
2. I graduated with the degree of Honours Bachelor of Science (Geology) from Lakehead University, 1983.
3. I have worked as a Geologist since my graduation from university.
4. I am the author of this report and responsible for all sections of the Assessment Report.
5. 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 23rd day of April 2023.

“Garry Clark”

Garry Clark, P.Geo.

APPENDICES

SAMPLE DESCRIPTIONS AND ASSAYS

Hackl Lac des Illes

Sample number	UTM	AU ppb	PD ppb	PT ppb	Rock type
WLDI 1	16 305667 5449950	102	47	112	W/S GREY AND BLACK F/S WHITE GREY AND BLACK GAGGRO M/G N/S
WLDI 2	16 305667 5449950	127	226	306	W/S GREY AND BLACK F/S WHITE GREY AND BLACK GABBRO M/G N/S
WLDI 3	16 305536 5449877	2	32	21	W/S GREY AND BLACK F/S GREY WHITE BLACK GABBRO F/G N/S
WLDI 4	16 305536 5449877	<2	29	17	W/S GREY AND BLACK F/S GREY WHITE BLACK GABBRO F/G N/S
WLDI 5	16 305669 5449950	86	14	<5	W/S GREY AND BLCK WHITE F/S WHITE GRAY BLACK GABBRO F/G N/S
WLDI 5B	16 305667 5449950	102	153	250	W/S GREY BLACK F/S WHITE BLACK GREY 1/2 INCH PYROXENITE VEIN M/G T/S
WLDI 6	16 305669 5449951	95	184	292	W/S GREY BLACK F/S GREY WHITE BLACK 1/4 INCH PROXENITE VEIN M/G T/S
WLDI 7	16 305657 5449958	2	11	<5	W/S GREY BLACK F/S GREY BLACK WHITE F/G N/S

Note WLDI 5B was a check sample for WLDI 1

W/S WEATHERED SURFACE
 F/S FRESH SURFACE
 N/S NO SULPHIDES
 T/S TRACE SUPHIDES
 M/G MEDIUM GRAIN
 F/G FINE GRAIN

Appendix II – Daily Log

LAC DES ILLES WEST PROPERTY

MAY 8 2021 PROSPECTING

JOE AND PAT HACKL

2 TRUCKS 211 KM ROUND TRIP FROM SHEBANDOWAN

2 QUADS

5 SAMPLES TAKEN WLDI - 1 THRU WLDI - 5

MAY 14 2021 TAKE SAMPLE TO THUNDER BAY FOR ASSAY – ACTLABS 134 KM ROUND TRIP

OCTOBER 9 2021 PROSPECTING

JOE AND JOEY HACKL

2 TRUCKS 211KM ROUND TRIP FROM SHEBANDOWAN

2 QUADS

3 SAMPLES TAKEN WLDI - 5 THRU WLDI – 7

OCTOBER 13 2021 TAKE SAMPLES TO THUNDER BAY FOR ASSAY- ACTLABS 134 KM ROUND TRIP



Report No.: A21-19243
Report Date: 30-Nov-21
Date Submitted: 13-Oct-21
Your Reference:

J&J Hackl
Box 7
Shebandowan Ontario P0T 2T0
Canada

ATTN: Joe Hackl

CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

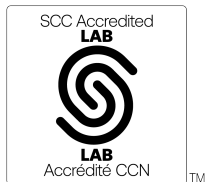
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for 1A2-Tbay, 1C-OES-Tbay, and 1E3-Tbay.

REPORT A21-19243

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-19243

Analyte Symbol	Au	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	2	5	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-AA	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WLDI-5		102	153	250																			
WLDI-6		95	184	292																			
WLDI-7		2	11	< 5																			
GRT #1	45				0.3	< 0.5	74	81	6	17	68	85	0.36	82	< 10	< 10	< 0.5	< 2	0.08	13	19	4.36	< 10
GRT #2	59				2.4	< 0.5	102	48	< 1	23	44	27	0.27	187	< 10	< 10	< 0.5	2	0.93	21	6	17.2	< 10
GRT #3	59				2.2	< 0.5	157	96	1	37	43	38	0.42	220	< 10	< 10	< 0.5	< 2	0.76	21	6	18.7	< 10

Results

Activation Laboratories Ltd.

Report: A21-19243

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
WLDI-5																			
WLDI-6																			
WLDI-7																			
GRT #1	< 1	0.02	< 10	0.19	0.087	0.040	1.73	2	3	9	< 0.01	< 20	< 1	< 2	< 10	21	< 10	1	7
GRT #2	< 1	0.09	< 10	0.05	0.022	0.022	> 20.0	15	< 1	9	< 0.01	< 20	< 1	< 2	< 10	8	< 10	< 1	8
GRT #3	< 1	0.08	< 10	0.17	0.017	0.017	> 20.0	14	< 1	9	< 0.01	< 20	< 1	2	< 10	8	< 10	< 1	9

Analyte Symbol	Au	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	2	5	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-AA	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas					0.4	< 0.5	66	971	1	22	86	116	6.45	222	< 10	818	0.9	< 2	0.14	13	66	5.03	20
GXR-6 Cert					1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
GXR-6 Meas					0.3	< 0.5	67	982	1	22	89	117	6.53	215	< 10	833	0.9	3	0.14	13	67	5.10	20
GXR-6 Cert					1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
GXR-6 Meas					0.3	< 0.5	67	950	1	23	84	113	6.37	204	< 10	775	0.8	3	0.15	12	67	5.13	10
GXR-6 Cert					1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0
PK2 Meas		4810	5780	4630																			
PK2 Cert		4785	5918	4749																			
PK2 Meas		4880	5850	4710																			
PK2 Cert		4785	5918	4749																			
OREAS 922 (AQUA REGIA) Meas					0.8	< 0.5	2270	782	< 1	34	57	261	2.83	4		78	0.8	6	0.37	20	41	5.00	< 10
OREAS 922 (AQUA REGIA) Cert					0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62
OREAS 922 (AQUA REGIA) Meas					0.9	< 0.5	2350	798	< 1	36	59	263	2.89	7		78	0.8	7	0.38	21	42	5.11	< 10
OREAS 922 (AQUA REGIA) Cert					0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62
OREAS 922 (AQUA REGIA) Meas					1.0	< 0.5	2350	754	< 1	37	61	254	2.84	8		74	0.7	10	0.39	19	42	5.17	< 10
OREAS 922 (AQUA REGIA) Cert					0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62
OREAS 923 (AQUA REGIA) Meas					1.6	< 0.5	4480	875	< 1	32	79	343	2.84	6		63	0.7	21	0.37	23	39	5.79	< 10
OREAS 923 (AQUA REGIA) Cert					1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01
OREAS 923 (AQUA REGIA) Meas					1.7	< 0.5	4670	890	< 1	32	79	340	2.91	8		66	0.7	23	0.38	23	39	5.92	< 10
OREAS 923 (AQUA REGIA) Cert					1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01
OREAS 923 (AQUA REGIA) Meas					1.8	< 0.5	4630	857	< 1	34	78	326	2.85	7		57	0.7	20	0.40	23	39	5.94	< 10
OREAS 923 (AQUA REGIA) Cert					1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01
Oreas 96 (Aqua Regia) Meas					10.4		> 10000				86	409						57			48		
Oreas 96 (Aqua Regia) Cert					11.50		39100.00				100	448						27.9			49.2		
Oreas 96 (Aqua Regia) Meas					10.6		> 10000				88	419						48			49		
Oreas 96 (Aqua Regia) Cert					11.50		39100.00				100	448						27.9			49.2		
CDN-PGMS-27 Meas		4910	2050	1290																			
CDN-PGMS-27 Cert		4800	2000	1290.00																			
Oreas 621 (Aqua					68.2	281	3730	538	14	27	> 5000	> 10000	1.75	83			0.6	5	1.45	32	32	3.31	10

Analyte Symbol	Au	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	2	5	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-AA	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert					68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29
Oreas 621 (Aqua Regia) Meas					67.8	279	3740	541	14	25	> 5000	> 10000	1.75	84			0.6	7	1.49	31	29	3.32	< 10
Oreas 621 (Aqua Regia) Cert					68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29
Oreas 621 (Aqua Regia) Meas					67.2	277	3570	520	13	24	> 5000	> 10000	1.67	78			0.6	7	1.55	29	27	3.14	< 10
Oreas 621 (Aqua Regia) Cert					68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29
CDN-PGMS-30 Meas		1860	1620	225																			
CDN-PGMS-30 Cert		1897.000	1660.000	223.000																			
OREAS 45f (Aqua Regia) Meas							366	176	< 1	232	13	27	7.34			130	1.1	2	0.06	42	321	13.8	20
OREAS 45f (Aqua Regia) Cert							336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3
OREAS 45f (Aqua Regia) Meas							369	174	1	234	10	27	7.35			130	1.1	2	0.06	42	318	13.8	20
OREAS 45f (Aqua Regia) Cert							336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas 237 (Fire Assay) Meas	2240																						
Oreas 237 (Fire Assay) Cert	2210																						
Oreas 237 (Fire Assay) Meas	2240																						
Oreas 237 (Fire Assay) Cert	2210																						
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	503																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	519																						
Oreas E1336 (Fire Assay) Cert	510																						
WLDI-5 Orig		99	151	249																			
WLDI-5 Dup		105	155	251																			
WLDI-7 Orig		2	11	< 5																			
WLDI-7 Dup		3	12	5																			
GRT #1 Orig	45																						
GRT #1 Dup	45																						

Analyte Symbol	Au	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	2	5	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10
Method Code	FA-AA	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 2	< 5	< 5																			
Method Blank	< 5																						
Method Blank		< 2	< 5	< 5																			
Method Blank					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10
Method Blank					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	2	0.98	10	0.36	0.155	0.032	0.01	2	17	31		< 20	< 1	< 2	< 10	149	< 10	5	9
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	1	1.00	10	0.37	0.159	0.032	0.01	5	17	32		< 20	< 1	< 2	< 10	152	< 10	5	8
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	2	0.98	< 10	0.35	0.111	0.030	0.01	3	16	29		< 20	< 1	< 2	< 10	145	< 10	4	7
GXR-6 Cert	0.0680	1.87	13.9	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
PK2 Meas																			
PK2 Cert																			
PK2 Meas																			
PK2 Cert																			
OREAS 922 (AQUA REGIA) Meas		0.47	41	1.28	0.032	0.063	0.37	< 2	4	15		< 20		< 2	< 10	35	< 10	20	14
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas		0.47	42	1.31	0.034	0.064	0.38	3	4	15		< 20		< 2	< 10	35	< 10	20	11
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas		0.47	35	1.25	0.026	0.062	0.38	< 2	4	15		< 20		< 2	< 10	34	< 10	19	11
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.41	39	1.37		0.061	0.67	2	4	13		< 20		< 2	< 10	34	< 10	18	19
OREAS 923 (AQUA REGIA) Cert		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.42	39	1.40		0.062	0.69	3	4	13		< 20		< 2	< 10	34	< 10	19	28
OREAS 923 (AQUA REGIA) Cert		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.40	32	1.34		0.060	0.69	2	3	13		< 20		< 2	< 10	33	< 10	18	18
OREAS 923 (AQUA REGIA) Cert		0.322	30.0	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas							3.99	7											
Oreas 96 (Aqua Regia) Cert							4.38	4.53											
Oreas 96 (Aqua Regia) Meas							4.08	6											
Oreas 96 (Aqua Regia) Cert							4.38	4.53											
CDN-PGMS-27 Meas																			
CDN-PGMS-27 Cert																			
Oreas 621 (Aqua	4	0.36	21	0.42	0.187	0.034	4.57	114	2	16		< 20		< 2	< 10	12	< 10	7	61

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																			
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	4	0.37	21	0.42	0.189	0.034	4.60	116	2	16		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	5	0.34	17	0.40	0.149	0.032	4.65	110	2	16		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
CDN-PGMS-30 Meas																			
CDN-PGMS-30 Cert																			
OREAS 45f (Aqua Regia) Meas	< 1	0.10	12	0.17	0.053	0.022	0.02		26	13	0.13	< 20		< 2	< 10	198		5	17
OREAS 45f (Aqua Regia) Cert	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	< 1	0.10	12	0.17	0.053	0.022	0.02		25	13	0.13	< 20		3	< 10	194		5	15
OREAS 45f (Aqua Regia) Cert	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
Oreas 237 (Fire Assay) Meas																			
Oreas 237 (Fire Assay) Cert																			
Oreas 237 (Fire Assay) Meas																			
Oreas 237 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
Oreas E1336 (Fire Assay) Meas																			
Oreas E1336 (Fire Assay) Cert																			
WLDI-5 Orig																			
WLDI-5 Dup																			
WLDI-7 Orig																			
WLDI-7 Dup																			
GRT #1 Orig																			
GRT #1 Dup																			

Analyte Symbol	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																			
Method Blank																			
Method Blank																			
Method Blank	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 1	< 0.01	< 10	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 1	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																			
Method Blank																			
Method Blank	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 1	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Field Costs-Hackl LDI

Work/Equipment	Time/Units	Costs	Total
Prospecting	4 days	\$250/day	\$1,000
Truck	690 km	\$0.45	310
Quads	2 per 2 days	\$75.00 / day/quad	300
TOTAL			\$1,610