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EXPLORATION

ON THE

LEESON-BRACKIN PROPERTY OF JUBILEE GOLD EXPLORATION LTD.

SAULT SAINT MARIE MINING DISTRICT

NORTHCENTRAL ONTARIO - NTS-42B/5

2019

William R. Troup
Consulting Geologist

Mississauga, Ontario
November, 2019

SUMMARY

Jubilee Gold Exploration holds a 100% interest in the Leeson-Brackin Gold Property, consisting of 24 patented claims, and adjoining staked claims, located 22 kilometres east of the town of Missanabie, and approximately 120 kilometres north-east of Wawa, in North-Central Ontario. The property adjoins the past producing Renabie Gold Mine, and hosts a common mineralized structure with the Renabi property.

In June 2019, line cutting, Induced Polarization (I.P.) geophysical surveying and magnetometer surveying was completed in the south-western section of the patented claim group. A prominent chargeability anomaly and coincident magnetic high was indicated in the western portion of the current survey area. A broad area of elevated chargeability was also apparent in a parallel zone extending along the west side of a northerly trending diabase dike in the eastern side of the survey area. A separate northwesterly trending magnetic anomaly was outlined near the center of the survey area. Previous soil sampling returned elevated gold values of potential interest in the vicinity all three of these trends.

The western anomaly follows a major northerly-trending contact between greenstone in the west and granite in the east, and locally extends over a kilometre across a swampy section of the survey area. The eastern area of elevated chargeability is underlain by granite-granodiorite. In August, prospecting and soil geochemical sampling was directed at the area of the 2019 geophysical survey. Elevated soil-gold values were again obtained in the vicinity of all three geophysical targets of interest; however, the local presence of wet ground, and a thick layer of surface organics has left some sizeable holes in our sample coverage along the western target area. To be effective, further soil-geochemical surveying in this western area is expected to involve deep sampling beneath the surface organics.

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JUBILEE GOLD, LEESON-BRACKIN PROPERTY

INTRODUCTION

Jubilee Gold Exploration Ltd. holds a block of patented and staked claims in Leeson Brackin and Stover townships, in the Sault Saint Marie Mining Division, of north-central Ontario (see Table 1). The patented claims adjoin the past-producing Renabie Gold Mine Property to the south. Previous work completed prior to 1990 identified a number of gold occurrences on the Leeson-Brackin property. One such gold zone (the 21 Zone) was open-pit mined by Texas Gulf for its silica-gold content in the period 1988-90.

At Jubilee's request Dan Patrie Exploration Ltd., Massey, Ontario carried out magnetometer and Induced polarization (IP) geophysical surveys over a select area of interest in the southwestern section of the patented claims, in June of 2019. A follow-up field examination was directed at resulting targets of interest in August of 2019.

PROPERTY LOCATION AND ACCESS

The Property consists of 24 patented mining claims, located south of the past producing Renabie Mine property in north-central Ontario, plus an adjoining block of 80 cell claims to the southwest. The claims are listed in tables 1 and 2 of this report. The area is accessible by paved highway 651 which extends for approximately 60 kilometres northward from Highway 101 to the Town of Missanabie. An all-weather logging Road extends 22 kilometres eastwards from Missanabie into the patented claims of the Leeson-Brackin property. Secondary logging roads provide access to the east and west ends of the staked claim block.

PROPERTY HISTORY – PATENTED CLAIMS

The Leeson-Brackin property is adjoined immediately to the north by the historic Renabi and Anglo Dominion properties. Both these properties are located in a similar geological environment as Leeson-Brackin, and both have seen past production. The Renabi mine produced 3,685,992 tons of ore at a recovered grade of 0.212 oz. Au/ton during initial operation from 1947 to 1970, when mining extended to a vertical depth of 3,500 feet. The Renabi mine reopened in1987 under Corona Corporation and American Barrick, and between 1987 and 1991, the mine produced 1 million tons of ore grading 0.19 oz. Au/ton, during which time underground operations were extended to a depth of 4,500. The mine is now closed and the Renabi mine and town site has undergone extensive rehabilitation. The adjoining Anglo Dominion property was originally known as the Nudalama property. During the period 1947 to 1951, a vertical shaft was sunk to 1,065 feet. No production was recorded, but a resource estimate of 579,320 tons grading 0.194 oz. Au/ton, was calculated to a depth of 750 feet, where the vein system plunged onto the Renabi property to the west. During the period 1985 to 1990, under Anglo Dominion's ownership, 111,600 tons of material grading 0.15 oz. Au/ton, was shipped to the Kidd Creek smelter as flux ore. Production was from the No. 1 Vein, which was developed by open pit and a decline to the 150 foot level. The operation closed in 1990.

The Patent Leeson-Brackin claim block is part of a larger claim block that was staked in 1939, following the discovery of the Renabie Gold Mine immediately to the north. A number of gold-bearing veins were discovered on the Leeson-Brackin property by Canbrae Exploration in the period 1940 – 1941. Braminco Mines Limited subsequently acquired the property and carried out additional exploration during the period 1946-47. Figure 3 of this report (after G. Hogg, 2003) shows the relative locations of the various veins located on the property and in the immediate area, plus the location of our target area of current surveying.

Surface sampling and diamond drilling by Braminco lead to the following reported reserves for the property which would now be best classed as an Indicated Mineral Resource, and historical in nature.

No. 21 Vein – 100,000 tons @ 0.15 oz. Au/ton
No. 7 Vein - 23,000 tons @ 0.13 oz. Au/ton
B Vein - 5,000 tons @ 0.26 oz. Au/ton

The property was retained by Brominco but remained inactive until 1984, when it was optioned to Canreos Minerals Ltd. A 3,300 ton bulk sample was taken from the 21 vein and shipped to the Kidd Creek and Noranda smelters for testing as silica flux ore. Reportedly, the larger portion of this sample (3,000 tons) was shipped to Noranda, and returned 0.217 oz Au/ton and 71.9% silica.

Kidd Creek subsequently optioned the property, and by the end of 1987 had shipped 30,500 tons of auriferous flux from an open cut on the 21 vein.

A decline was driven into the 21-Zone to allow for further development. Additional drilling was reportedly directed at the No 7-Zone and B Veins. In February 1988, Canreos Minerals reported a combined resource (probable, possible and inferred) for the 21-Zone, No. 7-Zone and B-Zone totaling 290,827 short tons @ 0.084 o.p.t Au.

The Canreos Minerals option was terminated in 1990. In 1994, the property was purchased from Braminco Mines Limited by Young-Davidson Mines Limited. The claim group was reduced in size to a core group of 24 key claims to reduce yearly maintenance fees. Concopper Enterprises Limited purchased the property from Young-Davidson Mines Limited in 2003. In late 2008, Concopper established a control grid on the property, and completed ground magnetic and IP geophysical surveys. The adjoining Stover Township Claims were staked in May 2009.

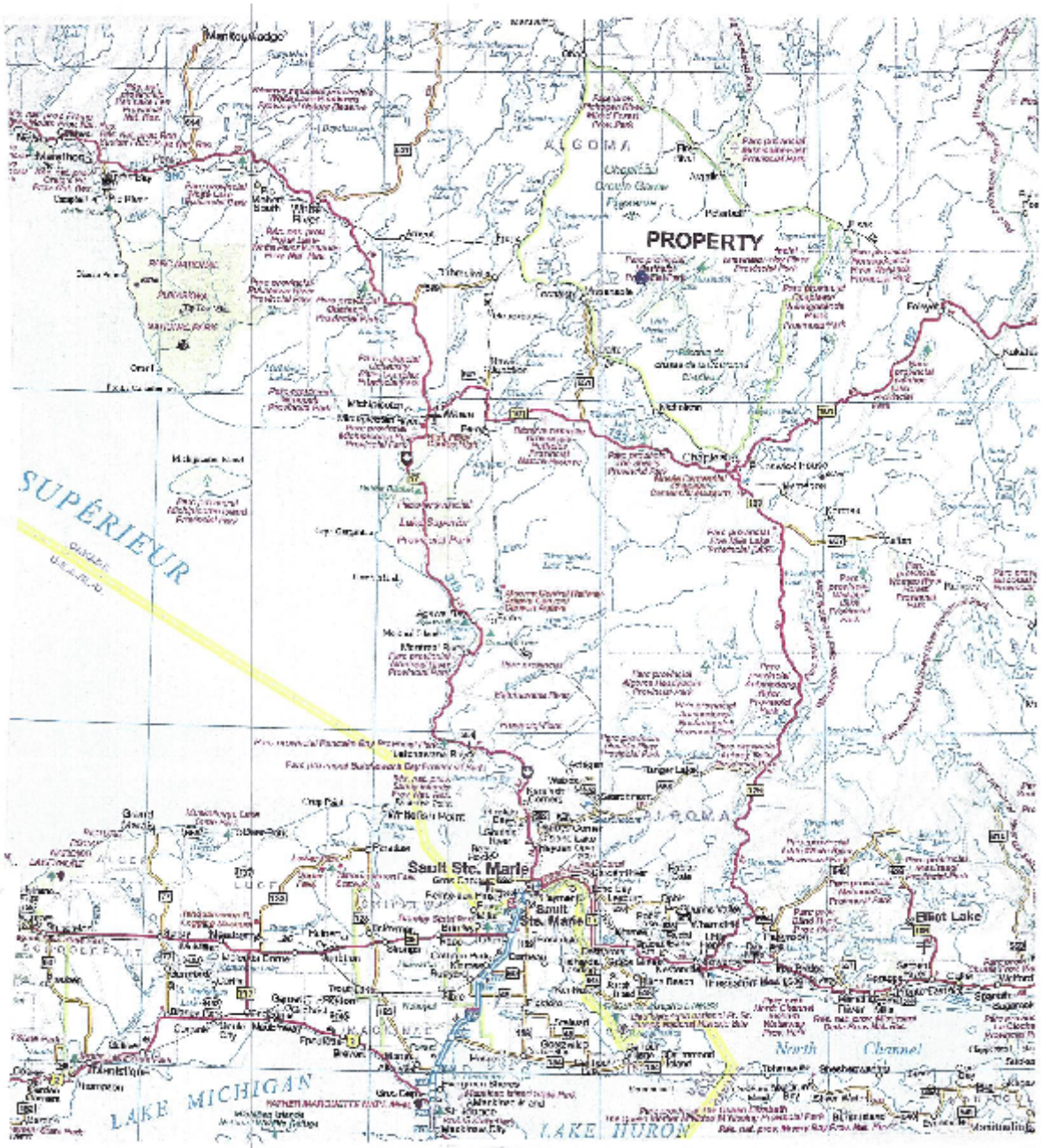

FIGURE 1

JUBILEE GOLD EXPLORATION – STOVER TWP. PROPERTY
LOCATION MAP

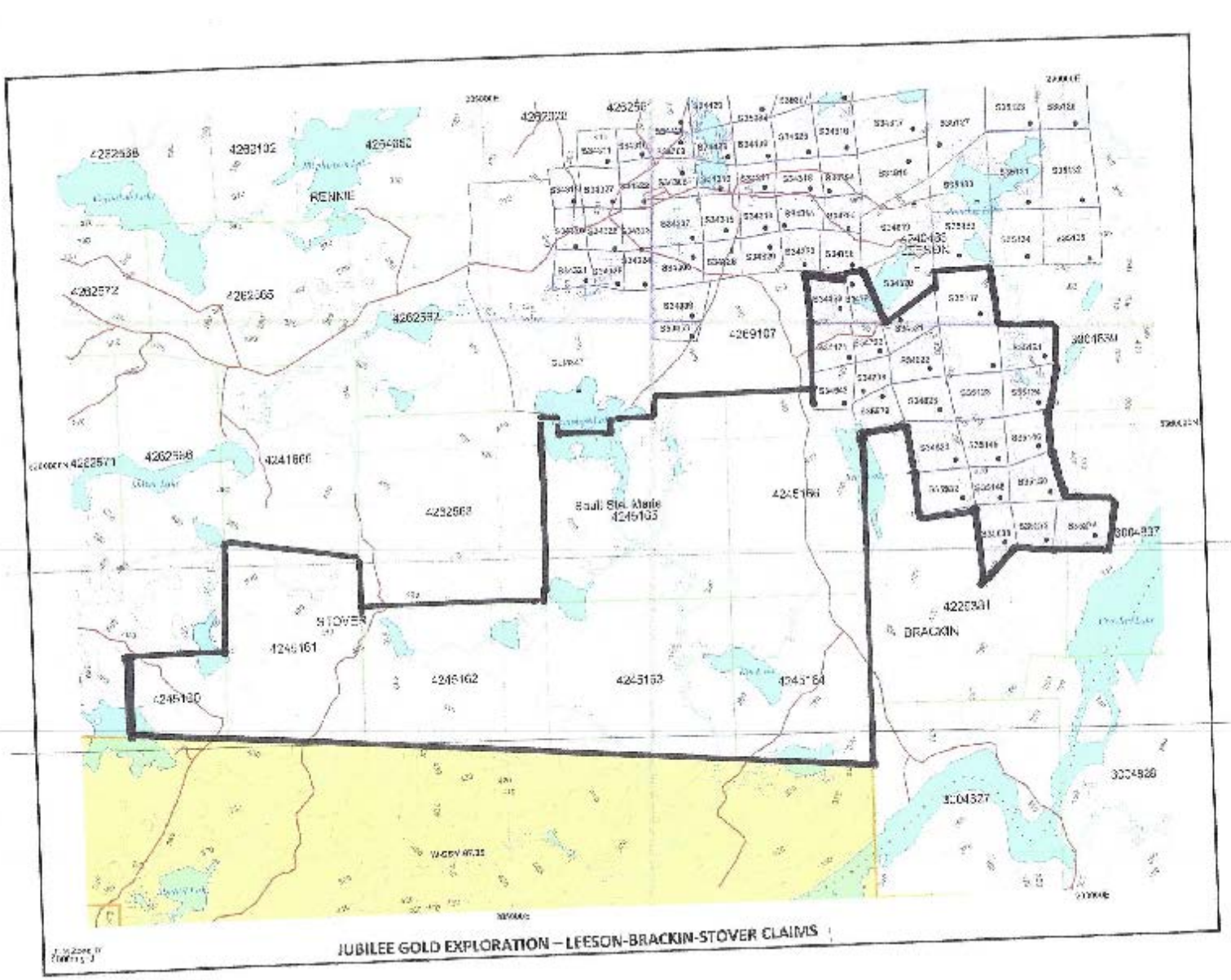
RENNIE
LEESON
BRACKIN
STOVER
Sault Ste. Marie
4246103
JUBILEE GOLD EXPLORATION – LEESON-BRACKIN-STOVER CLAIMS

Figure 2

TABLE 1

PATENTED MINING CLAIMS-LEESON BRACKIN PROPERTY

Township/Area	PAT Claim # -Reference Claim #
Leeson	PAT-28562 - S34468
Brackin	PAT-28543 - S34471
Brackin	PAT-28545 - S34543
Leeson	PAT-28563 - S34797
Brackin	PAT-28546 - S34798
Brackin	PAT-28547 - S34799
Brackin	PAT-28565 - S34821
Brackin	PAT-28548 - S34822
Brackin	PAT-28549 - S34823
Brackin	PAT-28550 - S34824
Leeson	PAT-28564 - S35117
Brackin	PAT-28553 - S35121
Brackin	PAT-28552 - S35120
Brackin	PAT-28551 - S35088
Brackin	PAT-28554 - S35123
Brackin	PAT-28555 - S35124
Brackin	PAT-28556 - S35145
Brackin	PAT-28557 - S35146
Brackin	PAT-28558 - S35148
Brackin	PAT-28559 - S35150
Brackin	PAT-28560 - S35272
Brackin	PAT-28561 - S35274
Brackin	PAT-28566 - S35979
Brackin	PAT-28567 - S35982
TOTAL	**24**

TABLE 2

STAKED CLAIMS-LEESON BRACKIN PROPERTY

LEGACY CLAIM	TOWNSHIP	CELL CLAIM	CELL_KEY_ID	CELL_TYPE	CENTRAL CELL
4245160	STOVER	129201	42B05E369	Boundary	
4245160	STOVER	118481	42B05E370	Boundary	
4245160	STOVER	157638	42B05E371	Boundary	
4245160	STOVER	104527	42B05E390	Boundary	Yes
4245160	STOVER	104526	42B05E391	Standard	
4245161	STOVER	103432	42B05E331	Boundary	
4245161	STOVER	279756	42B05E332	Boundary	
4245161	STOVER	279755	42B05E333	Boundary	
4245161	STOVER	103431	42B05E334	Boundary	
4245161	STOVER	164999	42B05E351	Boundary	
4245161	STOVER	261075	42B05E352	Standard	
4245161	STOVER	103433	42B05E353	Standard	
4245161	STOVER	176472	42B05E354	Boundary	
4245161	STOVER	157638	42B05E371	Boundary	
4245161	STOVER	327012	42B05E372	Standard	Yes
4245161	STOVER	261076	42B05E373	Standard	
4245161	STOVER	129077	42B05E374	Standard	
4245161	STOVER	104526	42B05E391	Standard	
4245161	STOVER	327013	42B05E392	Standard	
4245161	STOVER	231720	42B05E393	Standard	
4245161	STOVER	176473	42B05E394	Standard	
4245162	STOVER	176472	42B05E354	Boundary	
4245162	STOVER	229850	42B05E355	Boundary	
4245162	STOVER	296479	42B05E356	Boundary	
4245162	STOVER	296478	42B05E357	Boundary	
4245162	STOVER	129077	42B05E374	Standard	
4245162	STOVER	277615	42B05E375	Standard	Yes
4245162	STOVER	259044	42B05E376	Standard	
4245162	STOVER	104418	42B05E377	Standard	
4245162	STOVER	176473	42B05E394	Standard	
4245162	STOVER	338004	42B05E395	Standard	
4245162	STOVER	104419	42B05E396	Standard	
4245162	STOVER	325643	42B05E397	Standard	

4245163	BRACKIN	128496	42B05C001	Standard	
4245163	BRACKIN	338055	42B05D017	Standard	
4245163	BRACKIN	222450	42B05D018	Standard	
4245163	BRACKIN	338054	42B05D019	Standard	
4245163	BRACKIN	338053	42B05D020	Standard	
4245163	BRACKIN	296478	42B05E357	Boundary	
4245163	BRACKIN	325682	42B05E358	Standard	
4245163	BRACKIN	222449	42B05E359	Standard	
4245163	BRACKIN	258959	42B05E360	Standard	
4245163	BRACKIN	104418	42B05E377	Standard	
4245163	BRACKIN	119743	42B05E378	Standard	
4245163	BRACKIN	278428	42B05E379	Standard	Yes
4245163	BRACKIN	241935	42B05E380	Standard	
4245163	BRACKIN	325643	42B05E397	Standard	
4245163	BRACKIN	259089	42B05E398	Standard	
4245163	BRACKIN	338052	42B05E399	Standard	
4245163	BRACKIN	242599	42B05E400	Standard	
4245163	BRACKIN	191883	42B05F361	Standard	
4245163	BRACKIN	241937	42B05F381	Standard	
4245164	BRACKIN	128496	42B05C001	Standard	
4245164	BRACKIN	258985	42B05C002	Standard	
4245164	BRACKIN	337442	42B05C003	Boundary	
4245164	BRACKIN	258959	42B05E360	Standard	
4245164	BRACKIN	241935	42B05E380	Standard	
4245164	BRACKIN	296367	42B05F341	Standard	
4245164	BRACKIN	276992	42B05F342	Standard	
4245164	BRACKIN	296366	42B05F343	Boundary	
4245164	BRACKIN	191883	42B05F361	Standard	
4245164	BRACKIN	229759	42B05F362	Standard	Yes
4245164	BRACKIN	191882	42B05F363	Boundary	
4245164	BRACKIN	241937	42B05F381	Standard	
4245164	BRACKIN	241936	42B05F382	Standard	
4245164	BRACKIN	102452	42B05F383	Boundary	

4245165	BRACKIN	233783	42B05E277	Boundary	
4245165	BRACKIN	233782	42B05E279	Boundary	
4245165	BRACKIN	104004	42B05E280	Boundary	
4245165	BRACKIN	104280	42B05E297	Boundary	
4245165	BRACKIN	121944	42B05E298	Encumbered	
4245165	BRACKIN	118694	42B05E299	Encumbered	
4245165	BRACKIN	121167	42B05E300	Standard	
4245165	BRACKIN	271180	42B05E317	Boundary	
4245165	BRACKIN	271179	42B05E318	Standard	
4245165	BRACKIN	252616	42B05E319	Standard	Yes
4245165	BRACKIN	225014	42B05E320	Standard	
4245165	BRACKIN	121946	42B05E337	Boundary	
4245165	BRACKIN	121945	42B05E338	Standard	
4245165	BRACKIN	118695	42B05E339	Standard	
4245165	BRACKIN	184677	42B05E340	Standard	
4245165	BRACKIN	296478	42B05E357	Boundary	
4245165	BRACKIN	325682	42B05E358	Standard	
4245165	BRACKIN	222449	42B05E359	Standard	
4245165	BRACKIN	258959	42B05E360	Standard	
4245166	BRACKIN	104004	42B05E280	Boundary	
4245166	BRACKIN	121167	42B05E300	Standard	
4245166	BRACKIN	225014	42B05E320	Standard	
4245166	BRACKIN	184677	42B05E340	Standard	
4245166	BRACKIN	258959	42B05E360	Standard	
4245166	BRACKIN	299141	42B05F261	Boundary	
4245166	BRACKIN	269685	42B05F262	Boundary	
4245166	BRACKIN	224492	42B05F263	Boundary	
4245166	BRACKIN	225013	42B05F281	Standard	
4245166	BRACKIN	159625	42B05F282	Standard	
4245166	BRACKIN	260362	42B05F283	Boundary	
4245166	BRACKIN	184676	42B05F301	Standard	
4245166	BRACKIN	104026	42B05F302	Standard	Yes
4245166	BRACKIN	104025	42B05F303	Boundary	
4245166	BRACKIN	260363	42B05F321	Standard	
4245166	BRACKIN	119283	42B05F322	Standard	
4245166	BRACKIN	119282	42B05F323	Boundary	
4245166	BRACKIN	296367	42B05F341	Standard	
4245166	BRACKIN	276992	42B05F342	Standard	
4245166	BRACKIN	296366	42B05F343	Boundary	

In 2011, Concopper was re-organized into Micon Gold Inc., who in 2012 completed additional ground geophysical surveying, and soil geochemical sampling over portions of the staked claim group.

Micon Gold Inc. was subsequently re-organized into Jubilee Gold Exploration Ltd., and in 2013 follow-up soil sampling was completed over select geophysical targets from the 2012 survey.

Between 2015 and 2018, Jubilee completed preliminary soil sampling across a 1 kilometre section of a north-south trending IP chargeability anomaly, located in the southwestern section of the property. The survey returned a clustering of anomalous gold values trending in a northerly direction through the area.

Two historic gold occurrences (the #73 and #88 gold veins) in the southwest corner of the patented claim group, appear to lie along the projected south extension of the anomalous trend present in the southwest section of the Leeson-Brackin property. The historic #21 gold zone, located near the north property boundary, occurs along trend to the north of the current survey area.

GEOLOGY OF THE LEESON-BRACKIN AREA

The area is underlain by granodioritic rocks which are in contact with mafic volcanics along the west boundary of the claim block. The main volcanic-granodiorite contact strikes southeasterly across the Renabie property and the western limit of the Leeson-Brackin property.

The known auriferous vein systems of the area occur within the granodiorite, and typically exist as fine-grained, white sugary quartz with bands of disseminated pyrite and minor galena. Individual veins reportedly vary in thickness from a few inches to over 30 feet, and commonly exhibit excellent vertical continuity along distinct plunge lines. On the Leeson-Brackin claims, the No 21 and No 7 veins reportedly displayed a plunge of 30 degrees to the north.

D. McBride (1990), noted that the major vein systems in the area commonly lie within sharply folded locations along a variably sheared major structure (the “Frontenac Horizon”) which extends in a southerly direction through the granodiorite complex, and which seems to represent a favorable depositional environment for silica, pyrite and gold. Auriferous veining has been found to be frequently present in areas of minor folding along this structure.

Gold deposits in the area reportedly occur commonly at or near the intersection of northerly and easterly trending fault structures. Individual deposits often have been referred to as pencil shaped, with a short strike length, and extending down plunge for considerable distance as a series of parallel overlapping, or on-echelon lenses.

KNOWN GOLD OCCURRENCES IN THE LEESON-BRACKIN AREA

Exploration in the general Missanabie area started in the late 1930's, and resulted in the discovery of the Renabie Mine which was placed in production in 1946. The surrounding area was explored by a number of companies in the period 1945-1950, following World War II. Canbrae Exploration discovered several significant gold occurrences south of the Renabie property on what is now the Jubilee property.

Brominco Mines acquired the Canbrae and adjacent property in 1946, and continued exploration on the group in 1947. No further work was completed on the property until 1983, when it was acquired by Canreos Minerals.

In the period 1983 to 1989, Canreos carried out ground geophysical surveying over what is now the Jubilee property. This was accompanied by geological mapping and prospecting, trenching and sampling and several diamond drill programs.

In February 1988, Canreos Minerals reported a combined resource (now historical) totaling 290,627 short tons @ 0.084 o.p.t. Au for the 21 Zone, 7 zone and B vein (average width 6.3 feet). This resource is now considered historical in nature and not compliant with 43-101 requirements.

Known gold occurrences on the Jubilee Property occur in granitic rocks, and are described briefly in the following section.

<u>" 21" Gold Zone</u>

The "21 Zone is associated with a zone of shearing which strikes roughly north- 30˚east, parallel to the Metavolcanic-granite contact located 250 metres to 300 metres to the west. The 21 Zone is the most significant of the gold zones encountered to date on the property. Near surface the "21" zone shear dips westerly at 50 to 60 degrees. The main mineralized section of the "21" zone has an apparent length of approximately 220 metres, and a width of approximately 10 metres.

Within the mineralized horizon of the 21 zone, mineralization reportedly is concentrated in shoots plunging to the northwest at approximately 30 degrees. Gold occurs with quartz lenses and siliceous replacement within the shear, and is commonly associated with sulphides. Pyrite and galena are most common, but minor chalcopyrite and /or molybdenite are locally present. A 3000 ton bulk sample was taken from the surface of the "21" zone in late 1985, and shipped to the Horne smelter in Noranda for testing as a silica smelter flux. In 1985, a decline ramp was commenced for the purpose of collecting a similar 5000 ton bulk sample for shipment to the Kidd Creek smelter in Timmins. By 1988, 130,000 tons of open pit and development ore, containing 0.12 oz/ton Au, had reportedly been shipped to the Kidd Creek smelter in Timmins as flux ore (W. Brack. 1989). In February 1988, the resource of the 21 vein (probable, possible and inferred and now historical) was stated to be 102,920 short tons @ 0.108 o.p.t. Au (av. width 12.4').

The central 200 metre long section of the currently defined #21 Zone remains open and currently untested below the vertical depth of approximately 100 metres. Previous drilling near the south end of the defined section of the #21 zone encountered a wide section of shearing carrying anomalous gold (0.04 opt/105 feet core length). Further testing at depth is warranted.

"7" Zone

The main section of the #7 Zone is located about 200 metres southeast of the 21 Zone (or vein). The main section of the #7 Zone has been traced on surface for over 100 metres, with an apparent width of 4 metres. Silicification within the #7 shear zone has been reported to be less intense than within the main section of the 21 Zone. In 1987, a 4600 ton bulk sample was taken from a small open pit on the No. 7-Zone, and shipped to the Kidd Creek smelter. In February 1988, Canreos reported the resource of the No. 7 Zone (probable + possible + inferred, and now historical) at 176, 379 short tons @ 0.066 o.p.t Au, average width 24.8 feet).

The shear hosting the #7 Zone intersects the #21 Zone near its apparent south end, and trends in an easterly direction across the property, passing close to Zones "22", "B" and "C" described below**.**

"A-Zone"

The "A" zone" is descried as a narrow zone of quartz enrichment located 200 metres north of the east extension of the "7- Zone" shear. Canbrae completed 6 drill holes in the area of the A-Zone in 1941**.** The best drill intersection reported was 0.29 opt Au over a core length of 4.25 feet.

"B" Vein

The "B" vein is located 400 metres east of the #7 zone, and 175 metres south of the "A" zone. The "A" and "B" zones appear to occupy a parallel northerly trending shear to that hosting the "21-Zone". The "B" vein appears to lie a possible 60 metres to the west of the projected south extension of the "A" vein, and is described as a quartz-sericite pipe, enriched locally in pyrite and galena. The pipe which has been exposed for approximately 50 metres on surface, reportedly plunges at 40˚ to the southwest. Gold occurs in areas of sulphide enrichment. Canbrae completed 12 holes in the area of the B-zone in 1941. In 1985 Canreos completed an additional 11 drill holes in the area. Better drill intersections included 0.136 opt Au over 20.5 feet, and 0.525 opt Au over a core length of 6.8 feet**.** Outside of the pipe, gold mineralization appears of low grade and erratic, and the tonnage potential of the B-Vein appears limited. In February 1988, the mineral inventory for the B-Zone (probable + possible + inferred and now historical) was reported at 11,528 short tons @ 0.153 o.p.t Au, av width 6.3 feet).

"C" Zone

The "C" zone is located 400 metres southeast of the "B' zone. Fissure veins and quartz filled fractures are reported to be quite common in the area. Chlorite alteration is said to predominate

over sericite alteration in the area, and hematite enrichment locally accompanies anomalous gold values. Trenching and some 32 drill holes have previously been directed at the area, and indicate the presence of high grade but erratic gold values. Canbrae Exploration drilled 8 holes in the area in 1941. Trenching in 1941 reportedly outlined a zone of quartz veining in a shear measuring 134 feet in length and 5 feet 8 inches in width with an average grade of 0.305 opt Au. Canreos completed some 24 holes along the C zone in 1987. The best drill intersection reported was 0.14 opt Au over 15 feet.

"D" Zone

The "D" Zone is located 1.8 kilometres southeast of the "21- Zone", and just east of the Leeson-Brackin property boundary. Pyrite and minor other sulphides are reportedly concentrated along with anomalous gold values in a northeast trending fold nose (axis trending between 115 and 150 and dipping 15 to 40 to the northwest (W. Brack 1988).

"22"Zone

The "22" zone is located 140 metres east-south-east of the #7 Zone open pit. Canbrae trenched the area and drilled one hole on the target in 1941. Surface trenching returned o.10 opt Au over 11.0 feet, and drilling returned 0.08 opt Au over 8.0 feet. Mapping in this area in the 1980's, suggested the #22 Zone may represent part of an easterly trending structure not well tested by previous drilling. Soil geochemical sampling completed in 2009, returned elevated gold values from an area 200 metres further to the east. It seems possible that shearing in the area of the "22" zone may continue eastward into the area of this soil geochemical anomaly. Detail soil sampling in 2010 along trend of this target horizon offers support for the local presence of gold associated with an east-west trending structure.

Other Gold Zones And Occurrences

The "Springer-Vein" and "69-Vein"

The "Springer" and "69"Zones are present along a continuous horizon, located 1,300 metres south of the "7" zone. The mineralized trend strikes approximately 135˚, and dips steeply to the southwest. Gold values of up to 0.19 opt over 0.75 metres have been reported from trench sampling of the "69" vein. A single drill hole completed in this area in1946 reportedly returned 2.86 o.p.t. Au over a 2.0 foot long core section. Seven holes drilled along trend to the north, in the area of the "Springer Zone", returned no economically significant gold values. The best drill intersection in this northern section of the trend was 0.71 opt Au over 0.5 feet.

"23-Zone"

The "23"-Zone is located 270 metres south of the "7" zone sample pit. It is described as a narrow quartz vein that returned a gold value of 0.03o.p.t. from early 1940 vintage sampling. Soil sampling (MMI method) completed in 2009, returned elevated gold values of up to 16 times background from 30 metres to the south, and associated with a weak IP chargeability anomaly.

"45" Zone

The "45" Zone is located 600 metres south of the "7" zone pit. Minor gold mineralization apparently was encountered in a southeast trending quartz vein, dipping steeply to the south. Four drill holes were completed on the zone in 1987, and the best gold value obtained was 0.71 opt over 0.5 feet. Veining apparently was narrow and gold values quite erratic.

"72"-Zone

The "72"-Zone is located approximately 1,600 metres south-east of the "#7" vein , and 800 metres south of the "D" Zone. It is described by Brack (1988) as a 35 metre long and 3 metre wide quartz vein at the intersection an older north-south structure and a younger easterly trending structure (110˚), and dips steeply to the south. Sulphide mineralization is indicated to be minor. Gold values of up to 0.19 opt over 0.7 metres were reported from early surface sampling. Diamond drilling reportedly returned only sub-economic gold values. Soil sampling completed in 2009 on a line 70 metres to the south returned slightly elevated gold values locally.

"73-Vein" (North Extension)

The "73" vein – North Extension"is located near the south-west corner of the property. In the 1940's, grab samples from trenching and sampling of the "73-Vein" reportedly returned assays of up to 0.67 oz/t Au. Assays of up to 1.36 oz/t Au and 1.22 oz/t Ag over 3 ft were reported in early drilling by Macabie Mines Limited in 1980. Following further drilling, gold mineralization was concluded to be localized and erratic in distribution. In 2010, Micon Gold Inc. completed a single line of soil sampling across the area, near the south limit of the property which returned no significant gold values.

"75"-Vein

The "75" vein is located near the southeast boundary of the property. A single drill hole completed in 1987 returned 0.79 opt Au over a 0.7 foot core section, at a hole depth of 183.9'. Mineralization appears confined to a southerly trending narrow quartz vein.

“88-Zone”

The “88” Zone is located approximately 200 metres north-east of the “73” Zone, and near the eastern property boundary. The area received previous drilling by early operators, and was reported as being similar to the “73” Zone.

“98-Vein”

The “98” Zone is located 250 metres west of the “#7” zone pit. It was described as a narrow southerly trending quartz vein. An unsuccessful attempt was made to locate the showing in 2009; however, an isolated high soil gold-geochemical anomaly of 126 ppb was obtained just 60 metres south of the suspect location of the showing. Follow-up prospecting of the anomalous sample site produced no local explanation for the soil anomaly, and it is suspected it may be due to the presence of glacially transported material from the north.

2019 EXPLORATION PROGRAM

In June of 2019, 2.6 Kms of grid was established, and Induced Polarization (I.P) and Magnetometer surveying was subsequently completed in the southwestern section of the property.

2019 GEOPHYSICAL SURVEY

a) INDUCED POLARIZATION (IP)

Induced Polarization (I.P.) geophysical surveying was completed in the south-western section of the patented claims. A total of 2.6 km of induced polarization (I.P.) readings were taken along picket lines with an “a” spacing of 25 m and with 8 levels being read (n=8). The survey was a time domain pole-dipole survey . Surveying was directed at the following 5 grid lines: L1315 metres grid-South, L1430-South, L1565-South, L1625-South, and L1700-South. (See Appendix 1 of this report for equipment details and parameters of the survey etc.).

The I.P. survey indicated a prominent chargeability anomaly in the western part of the survey area (i.e. near 300 metres – grid west). A second, broad area of slightly elevated chargeability (the eastern anomaly) extends from the baseline to between 100 to 200 metres grid-west. The western chargeability anomaly is associated with an area of elevated resistivity extending along the northerly-trending greenstone/granite contact in this area. The eastern chargeability anomaly is also associated with an area of elevated resistivity extending along the west side of a northerly trending diabase dike.

INDUCED POLARIZATION (IP) SURVEY

LINE	STATION	CHARGEABILITY VALUES BACKGROUND I ANOMALY mV/V I mV/V		COMMENTS
1315S	0+00- ~100W	2-3	5-6	Increase in Chargeability with increase in Resistivity
1430S	2+00w-050E 300W	2-4	5-7 10	Increase eastward with Resistivity 7 and 8 Level
1565S	50E-200W 300W	0-2	5-6 10-11	Slight Increase along with Resistivity 7 and 8 Level
1625S	0+00-200W 300W	1-3	5-7 15-22	Slight increase with Resistivity Levels 5-8
1700S	0+00-160W 300W	0-3	4-7 22-28	Increase with increase in Resistivity Levels 5-8

b) MAGNETOMETER SURVEY

A total of 2.6 km of magnetic readings were taken along the same 5 survey lines as the IP survey. Readings were taken at 12.5 m station intervals. Instrument details are presented in Appendix 1 of this report.

The magnetometer survey revealed a northerly trending magnetic high coincident with the western chargeability anomaly present approximately 300 metres west on the control grid. A second semi-parallel magnetic high is present near the base line, and extends along the east side of the eastern area of elevated chargeability. A third area of elevated magnetics trends at approximately 140º through the survey area, and appears strongest in the area of station 150-metres west on line 1700 South. This third magnetic high measures 62 metres in width on line 1700S, and is coincident with a section of elevated soil-gold geochemical sample sites.

Previous soil sampling returned anomalous gold values from a number of sites throughout the survey area.

2019 SOIL GEOCHEMICAL SURVEYING

General

In 2019 soil sampling was directed along three 2019-survey lines, in the south-western section of the property, A total of 53 soil samples were collected, and samples were delivered by truck to SGS Laboratories in Sudbury, Ontario.

Analysis

The SGS field Laboratory in Sudbury shipped the samples to their Laboratory in Vancouver where they were processed by the MMI Method for eight elements (Au, Ag, As, Cu, Zn, Pb, Mo and Co).

Control

SGS Laboratories routinely inserted laboratory standard and blank samples within every sample batch. In all instances, such check sampling supported the accuracy of the results.

Data Treatment and Presentation

Soil-gold geochemical results from the patented claim block are presented in map form in Appendix D of this report.

The MMI method of analyses is a proprietary technique first developed in Australia, but now commonly used in Canada. The "raw" geochemical data is collected, and for presentation purposes, for each sample, response Ratios (RR) are calculated for each element analyzed. The Response Ratio is a measure of how a particular assay relates to the background value for the sample population.

During the current survey, RR values for the various elements were calculated as follow:

1. Any assay below the detection limit (Au limit is 0.1 ppb) is assigned a value of ½ the detection limit.
2. The lower quartiles, of the population of geochemical analysis for individual elements in the survey, were selected and sample values in these lower quartiles were averaged.
3. For each sample, the geochemical analysis for each element was divided by the appropriate lower quartile averages calculated above, to produce Response Ratios for each of the five elements.

Response Ratios below 5 are normally considered of doubtful significance.
The RR values for elements of interest (in the current case gold) can then be presented in a series of map plots or bar charts. For the 2019 sampling, RR values are presented in a series of bar charts in Appendix A of this report.

Results of 2019 Soil-Sampling

Sampling returned geochemically anomalous gold values of up to 100 x background across a 62 metre line section near the eastern side of the survey area. Sampling from previous years suggests this to be part of an anomalous trend extending for over 200 metres northward. Encouraging soil-gold values were also obtained along a 25 metre line segment located 125 metres to the west, near the middle of the survey area. This second anomaly appears to lie along trend of a magnetic high extending for 150 metres northward from the area of a strong soil-gold anomaly of 2018, located at 116 metres west on line 1700 South. Elevated copper and gold values were also observed locally in the area of the Induced Polarization (I.P.) chargeability anomaly that extends along the northerly trending granite/volcanic contact in the western part of the survey area.

PROSPECTING AND SAMPLING 2019

A total of 10 rock samples were collected in 2019 and submitted to SGS laboratories for analyses. Sampling was directed towards areas in the eastern section of the 2019 survey area, near which previous soil sampling had returned elevated gold values. Since outcrop is scarce in much of the area, attention was often directed towards sampling from the boulder fields present throughout much of the area.

Rusty iron-carbonate alteration and minor pyrite was often found in either outcrop or boulders near areas of elevated soil-gold values. Select sampling returned slightly anomalous gold values but nothing of obvious economic significance. The highest gold value obtained was 60 ppb from an outcrop north of the area of the eastern soil anomaly, and the gold values encountered are considered normal background values for this section of the property.

OBSERVATIONS AND RECOMMENDATIONS

Soil geochemical sampling in 2019 returned elevated gold values at several sites throughout the survey area, and the presence of elevated background gold values from outcrops in the eastern section of the area offers encouragement for the possible presence of a nearby gold resource.

Soil sampling on line 1625S returned elevated gold and copper values in the area of the western IP chargeability anomaly. In this section of the property the granite-greenstone contact extends through a low wet area, where the presence of a thick layer of surface organics has prevented our obtaining previous systematic soil geochemical coverage by routine technique. Further systematic soil-sampling of this area is recommended with a modified method capable of sampling beneath the thick organic cover.

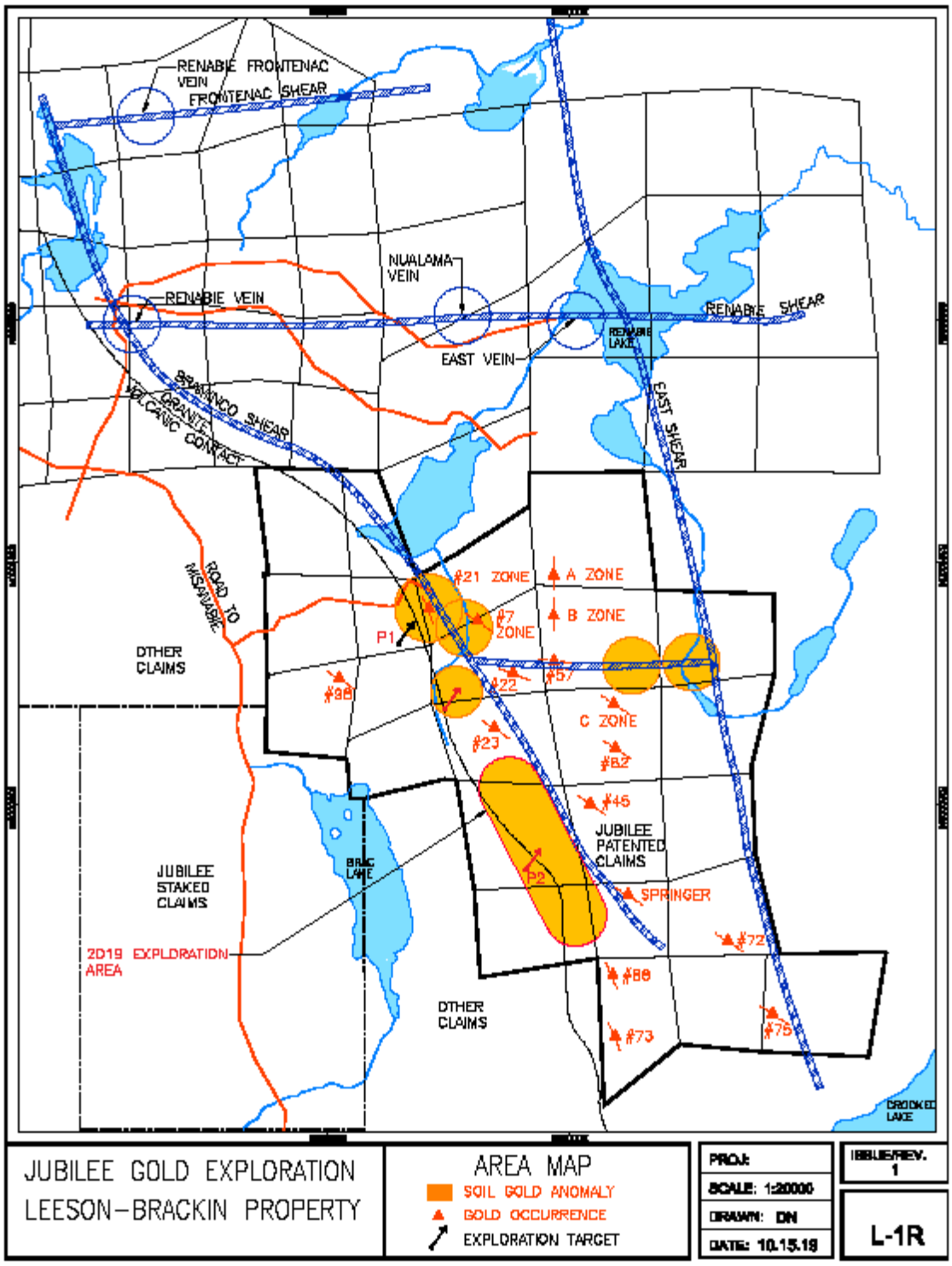
RENABIE FRONTENAC VEIN
FRONTENAC SHEAR
NUALAMA VEIN
RENABIE VEIN
RENABIE SHEAR
RENABIE LAKE
EAST VEIN
EAST SHEAR
SEARANCO SHEAR
GRANITE VOLCANIC CONTACT
ROAD TO MISHAMMIC
#21 ZONE
A ZONE
B ZONE
#7 ZONE
P1
#22
#57
#88
C ZONE
#23
#82
#46
JUBILEE PATENTED CLAIMS
P2
SPRINGER
#72
#86
#73
#75
OTHER CLAIMS
JUBILEE STAKED CLAIMS
BRAG LAKE
2019 EXPLORATION AREA
OTHER CLAIMS
CROOKED LAKE
JUBILEE GOLD EXPLORATION
LEESON-BRACKIN PROPERTY
AREA MAP
SOIL GOLD ANOMALY
GOLD OCCURRENCE
EXPLORATION TARGET
PROJ:
SCALE: 1:20000
DRAWN: DN
DATE: 10.15.19
ISSUE/REV.
1
L-1R

Figure 3

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November 2019

William R. Troup
Mississauga Ontario

CERTIFICATE OF QUALIFICATIONS

I, William R. Troup of Mississauga, Ontario, hereby certify and declare the following:

1. I am a Consulting Geologist.

2. I graduated from the University of Waterloo with an MSc Degree in Geology in 1975.

3. I have been practicing my profession for the past 44 years.

4. I am a fellow in the Geological Association of Canada.

5. I planned the 2019 geophysical survey, and participated in the following soil sampling program on the Leeson-Brackin property, in north-central Ontario.

6. The opinions expressed in this report are based on my personal observations, and on a review of public geological and geophysical reports on the area.

William R. Troup, MSc. BSc. F.G.A.C. P. Geol

Mississauga, Ontario
October 30, 2019

LEESON-BRACKIN EXPLORATION EXPENDITURES 2019

CONTRACT EXPLORATION SERVICES

2019 (June to December)
Alcanex Ltd., Geological Services…….....$14,726.68
-Soil and outcrop sampling in follow-up to I.P geophysics $8,170.42
-Data Compilation plus Map and Report Preparation…….$6,556.26
DAN PATRIE EXPLORATION SERVICES……..……..$11,345.20
-Line Cutting and Geophysics (I.P & Mag)
SGS Laboratories……..……...$ 2,117.40
-MMI sample analysis.$ 1,698.17+rock-$419.23

TOTAL **$**28,189.28

William R Troup.

_____

W. Troup Geological Consultant.

November, 2019

APPENDIX A

GROUND GEOPHYSICAL SURVEY 2019

EQUIPMENT

REFERENCE: SCINTREX ENVI MAG BROCHURE

Total Field Operating Range
20,000 to 100,000 nT (gammas)

Total Field Absolute Accuracy:
±1 nT

Sensitivity:
0.1 nT at 2 second sampling rate

Tuning
Fully solid state. Manual or automatic, keyboard selectable

Cycling (Reading) Rates
0.5, 1 or 2 seconds

Gradiometer Option
Includes a second sensor, 1/2m (20 inch) staff extender and processor module.

VLF Option
Includes a VLF sensor and harness assembly

'WALKMAG' Mode
continuous reading, cycling as fast as 0.5 seconds

Digital Display
LCD 'Super Twist', 240 x 64 dots graphics, 8 line x 40 characters alphanumerics

Display Heater
Thermostatically controlled, for cold weather operations

Keyboard Input
17 keys, dual function, membrane type

Notebook Function
32 characters, 5 user-defined MACRO's for quick entry

Standard Memory
Total Field Measurements: 28,000 readings
Gradiometer Measurements: 21,000 readings
Base Station Measurements: 151,000 readings
VLF Measurements: 4,500 readings for 3 frequencies

Expanded Memory
Total Field Measurements: 140,000 readings
Gradiometer Measurements: 109,000 readings
Base Station Measurements: 750,000 readings
VLF Measurements: 24,000 readings for 3 frequencies

Real-Time Clock
Records full date, hours, minutes and seconds with 1 second resolution, ±1 second stability over 24 hours

Digital Data Output
RS-232C interface, 600 to 57,600 Baud, 7 or 8 data bits, 1 start, 1 stop bit, no parity format. Selectable carriage return delay (0-999 ms) to accommodate slow peripherals. Handshaking is done by X-on/X-off. High speed Binary Dump. Selectable formats for easy interfacing to commercial software packages.

Analog Output
0-999 mV full scale output voltage with keyboard selectable range of 1, 10, 100, 1000 or 10,000 full scale

Power Supply
Rechargeable 'Camcorder' type, 2.3 Ah, Lead acid battery
12 Volts at 0.65 Amp for magnetometer, 1.2 Amp for gradiometer
External 12 Volt input for base station operations
Optional external battery pouch for cold weather operations

Battery Charger
110 Volt-230 Volt, 50/60 Hz

Operating Temperature Range
Standard: -40° to 60°C

Dimensions & Weight

Console:	250mm x 152mm x 55mm (10" x 6" x 2.25") 2.45 kg (5.4 lbs) with rechargeable battery
Magnetic Sensor:	70mm x 175mm (2.75"d x 7") 1 kg (2.2 lbs)
Gradiometer Sensor: (with staff extender)	70mm x 675mm (2.75"d x 26.5") 1.15 kg (2.5 lbs)
Sensor Staff:	25mm x 2m (1"d x 76") .8 kg (1.75 lbs)
VLF Sensor Head:	140mm x 130mm (5.5"d x 5.1") .9 kg (2 lbs)
VLF Sensor:	280mm x 190mm x 75mm (11" x 7.5" x 3") 1.7 kg (3.7 lbs)

Options
Base Station Accessories Kit
GPS
Software Packages
Training Programs

SCINTREX

SCINTREX

HEAD OFFICE
222 Snidercroft Road, Concord, Ontario L4K 1B5
Telephone: (905) 669-2280 Fax: (905) 669-6403
e-mail: scintrex@scintrexltd.com
website: www.scintrex.ca.com

IN THE U.S.A.
900 Woodrow Lane, Suite 100, Denton, Texas 76205
Telephone: (940) 591-7755 Fax: (940) 591-1968
e-mail: richard@scintrexusa.com

IN S.E. ASIA
P.O. Box 125 Summer Park, 83 Jijawa Street, Brisbane
Telephone: + 61-7-3376-5188 Fax: +61-7-3376-6626
E-mail: auslog@auslog.com.au
Website: www.auslog.com.au

Instrumentation Specifications

Scintrex IPR-12 Receiver

IPR-12 SPECIFICATIONS

The IPR-12 IP receiver has been successfully used for many years as a mineral exploration tool, specifically for gold exploration.

Induced polarization can also be used as a method for mapping hydrocarbon plumes and geotechnical applications.

Inputs:	1 to 6 dipoles are measured simultaneously.
Input Impedance:	16 MΩ
SP Bucking:	±10 volt range. Automatic linear correction operating on a cycle by cycle basis.
Input Voltage (Vp) Range:	50 µV to 14 V
Chargeability (M) Range:	0 to 300 mV/V
Tau Range:	60 milliseconds to 2000 seconds
Reading Resolution of Vp, SP and M:	Vp - 10 µV, SP - 1 mV, M - 0.01 mV/V
Absolute Accuracy of Vp, Sp and M:	Better than 1%
Common Mode Rejection.	At input more than 100dB.
Vp Integration Time:	10% to 80% of the current on time
IP Transient Program:	Pulse selectable at 1,2,4,8,16 or 32 seconds. Programmable windows also available. 50% duty cycle.
Transmitter Timing:	On/off times of 1,2,4,8,16 or 32 seconds.
External Circuit Test:	All dipoles measured individually in sequence. Range 0 to 2 MΩ with 0.1 kΩ resolution. Circuit resistances displayed and recorded.
Filtering:	RF filter, 10 Hz 6 pole low pass filter, statistical noise spike removal.
Internal Test Generator:	1200 mV of SP, 807 mV of Vp and 30.28 mV/V of M.
Analog Meter:	For monitoring input signals, switchable to any dipole via keyboard.
Memory Capacity:	Stores approximately 400 dipoles of information when 8 dipoles are measured simultaneously.
Power Supply:	Rechargeable Ni-Cad D cells. More than 20 hours service at +25°C. (77°F), more than 8 hours at -30°C (22°F)
Operating Temperature:	-30 C to +50°C (-22 F to 122°F)
Dimensions and Weights:	Console: 355 x 270 x 185 mm (14" x 10.6" x 6.5")
	Charger: 120 x 95 x 55 mm (4.7" x 3.7" x 2")
	Console: 5.8 kg (12.8 lbs.)
	Batteries: 1.3 kg (2.8 lbs.)
	Charger: 1.1 kg (2.4 lbs.)

Dan Patrie Exploration Ltd was contracted on behalf of **Jubilee Gold Exploration Ltd** to establish a small line cutting grid in order to perform Induced Polarization and Total Filed Magnetics surveys on these established lines. The 2.6km grid consisted of 4 newly cut lines and 1 existing line part of the old original grid cut in 2009 and recut/extended in 2017.

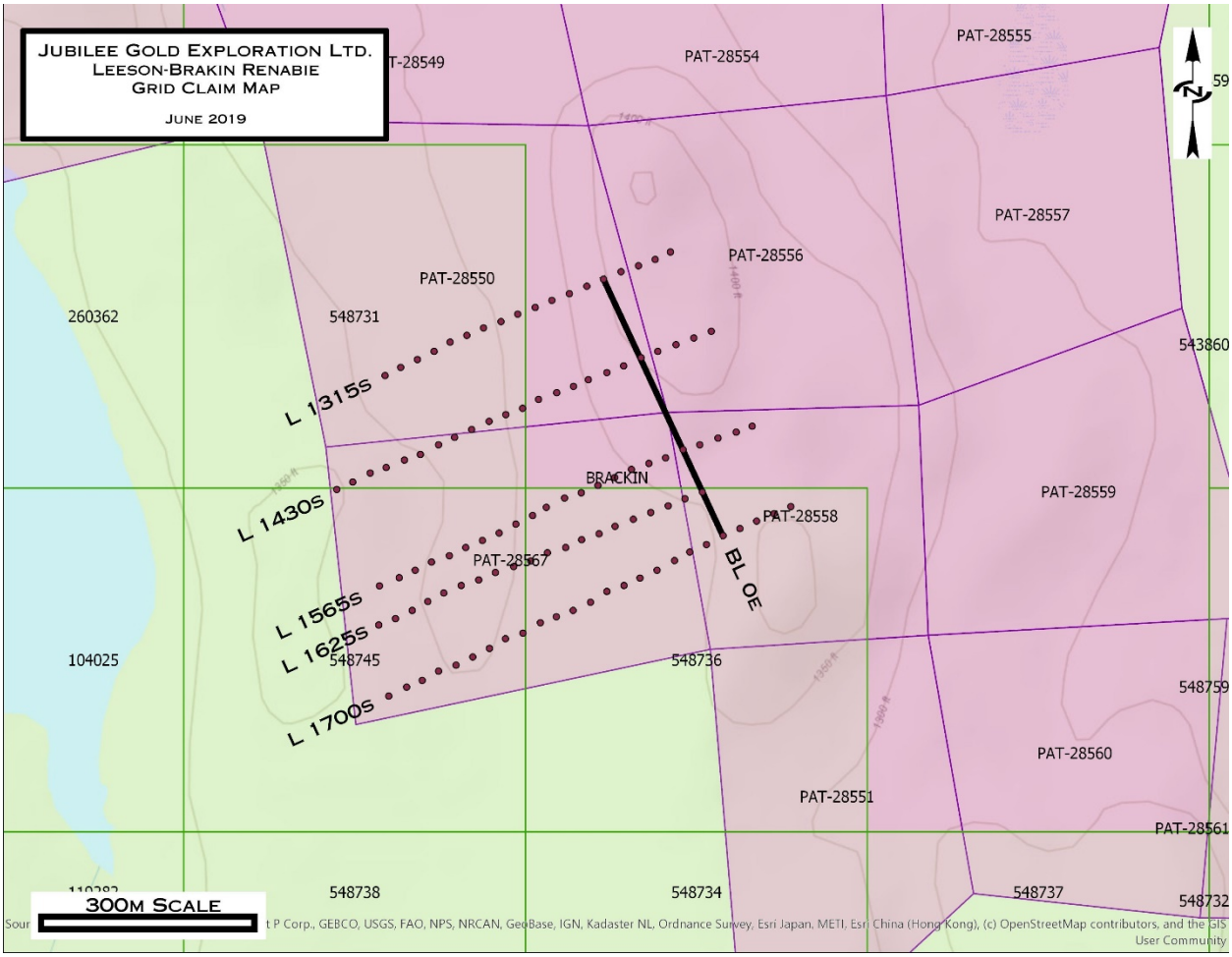
Mobilization of the line cutting crew was commenced on June 2nd 2019 with a completion date of June 7th 2019. The Following DPE crew members were involved with the line cutting.

Gabriel Roy, Smooth Rock Falls,ON
Justin Abramson, Sudbury, ON
Hunter Busch, Val Therese, ON
Zach Bergmann, Val Therese, ON

Mobilization of the geophysics crew commenced on June 10th 2019 and was completed on June 13th 2019. The following DPE crew members were involved with the geophysics.

Brent Patrie, Val Therese, ON
Jimmy Patrie, Massey, ON
Ronalc Bilton, Massey, ON
Gabriel Roy, Smooth Rock Falls,ON
Justin Abramson, Sudbury, ON
Hunter Busch, Val Therese, ON
Zach Bergmann, Val Therese, ON

Regards,
Brent Patrie


JUBILEE GOLD EXPLORATION LTD.
LEESON-BRAKIN RENABIE
GRID CLAIM MAP
JUNE 2019
PAT-28549
PAT-28554
PAT-28555
PAT-28557
PAT-28556
PAT-28550
260362
548731
543860
L 1315S
L 1430S
BRACKIN
PAT-28559
PAT-28558
PAT-28567
BL OE
L 1565S
L 1625S
L 1700S
104025
548745
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300M SCALE
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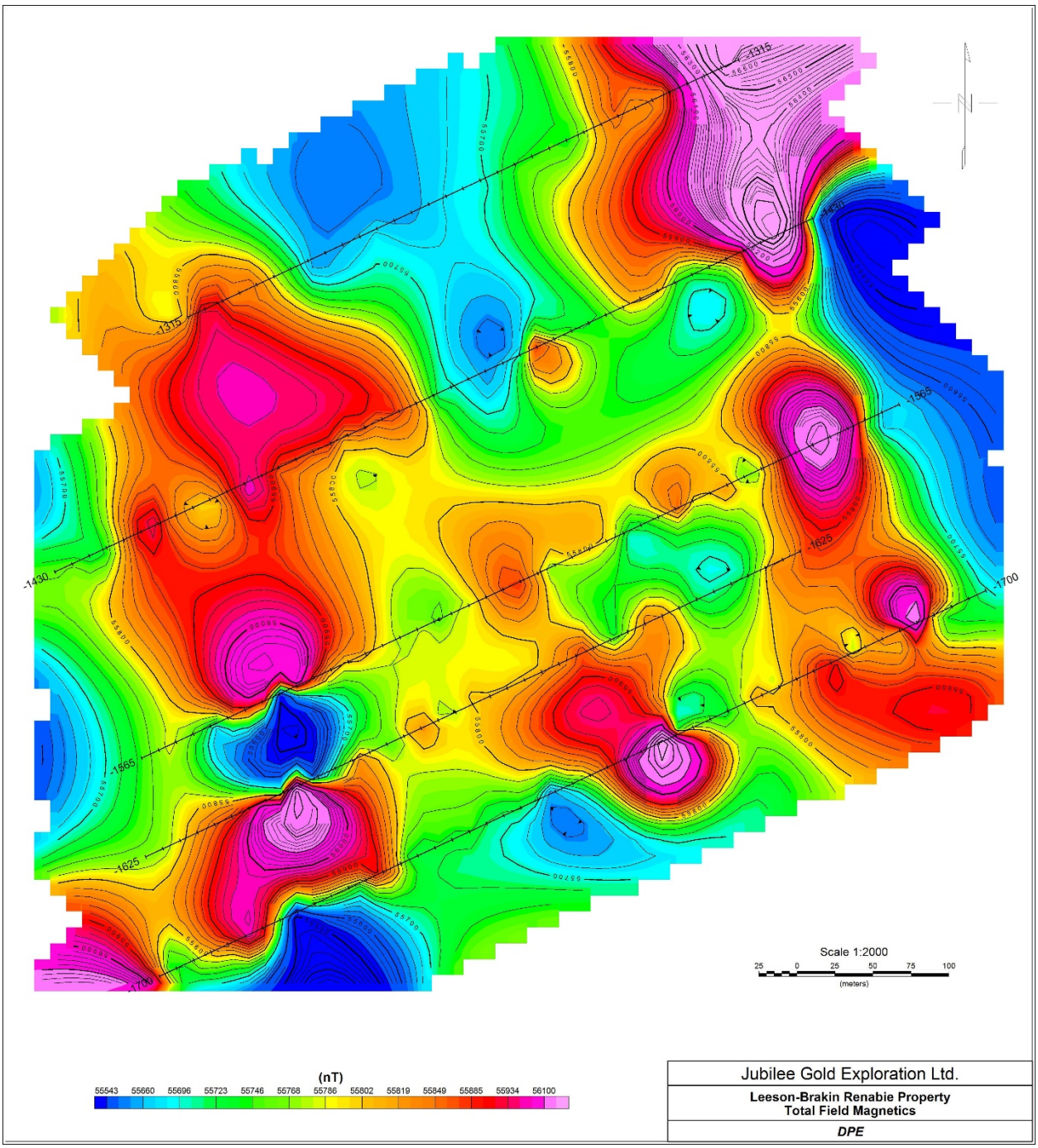
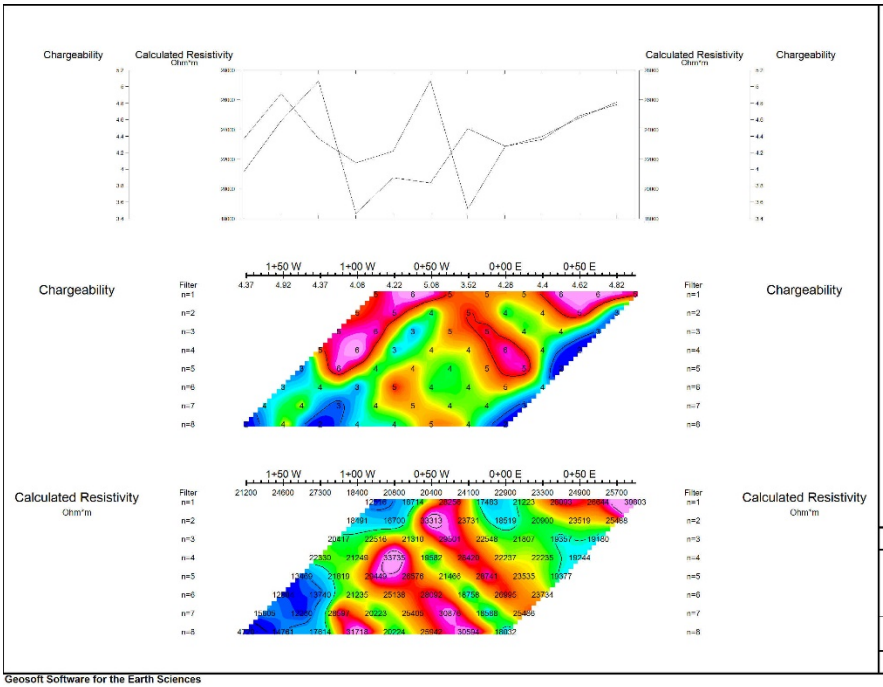


Jubilee Gold Exploration Ltd.

Leeson-Brakin Renabie Property
Total Field Magnetics

DPE

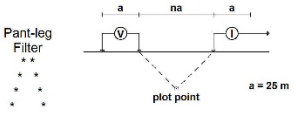


Geosoft Software for the Earth Sciences

Pseudo Section Plot

13+15 S

Dipole-Pole Array

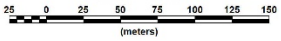


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ◘ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

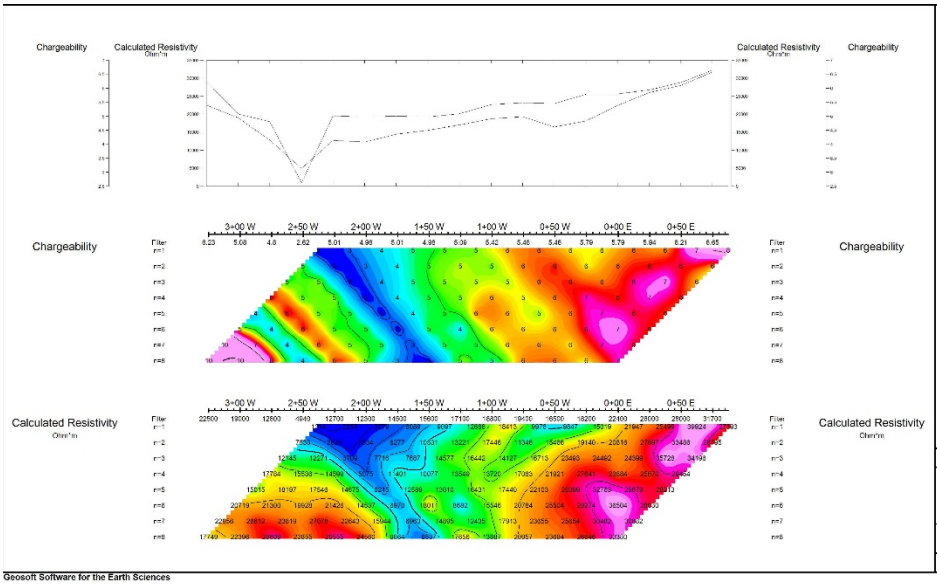


Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE

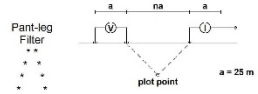


Geosoft Software for the Earth Sciences

Pseudo Section Plot

14+30 S

Dipole-Pole Array

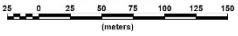


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- □ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

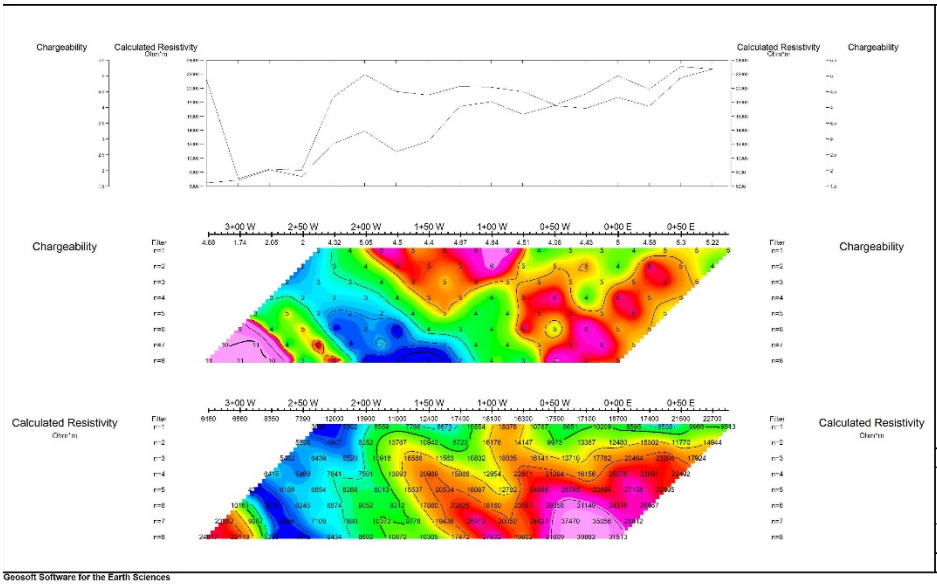


Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE

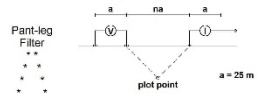


Geosoft Software for the Earth Sciences

Pseudo Section Plot

15+65 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- □ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

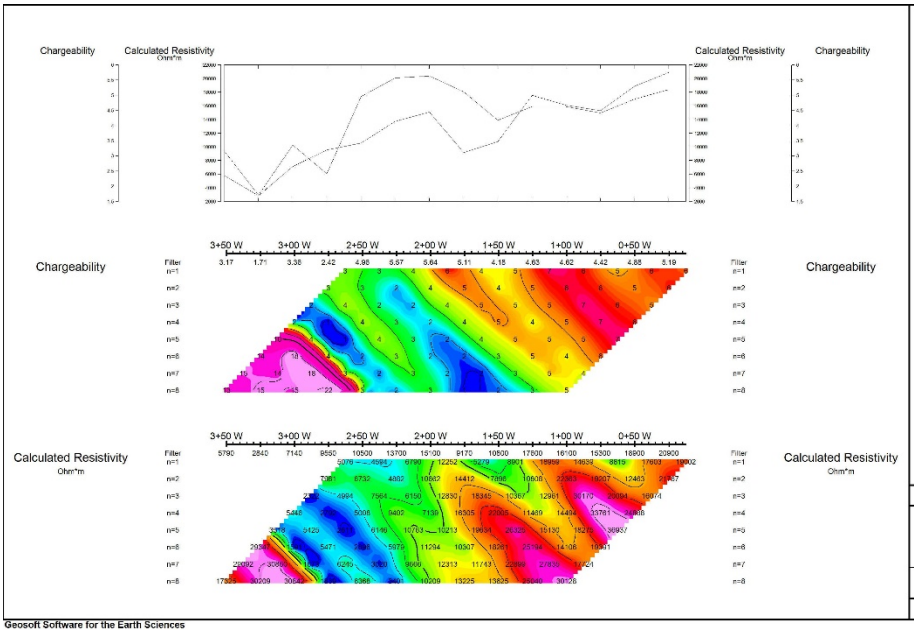
(meters)

Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE

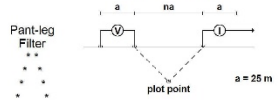


Geosoft Software for the Earth Sciences

Pseudo Section Plot

16+25 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- □ **Well defined increase in polarization without marked resistivity decrease.**
- ⊏ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

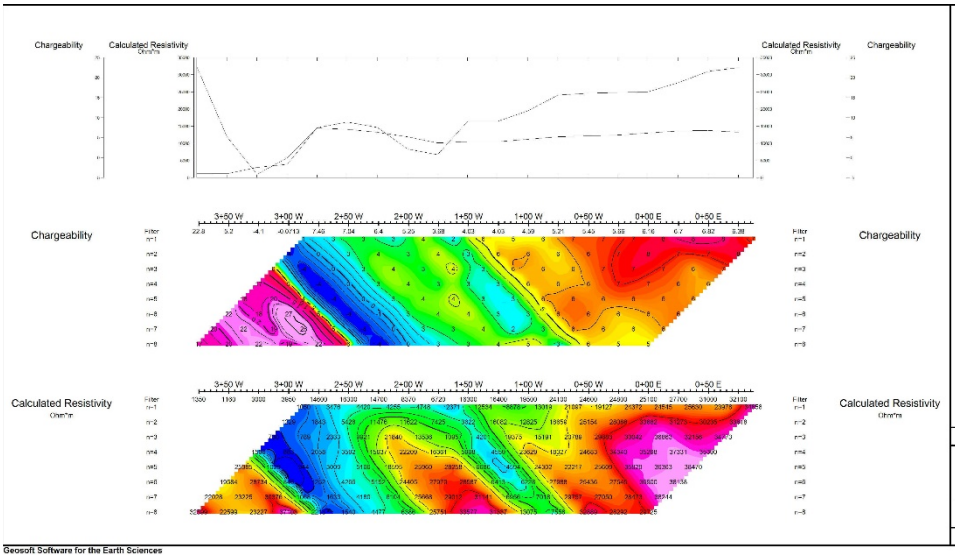
(meters)

Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

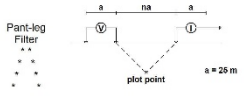
Date: 21/06/2019
Interpretation: DPE



Pseudo Section Plot

17+00 S

Dipole-Pole Array

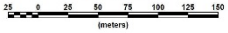


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- □ **Well defined increase in polarization without marked resistivity decrease.**
- **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500



Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE

Geosoft Software for the Earth Sciences

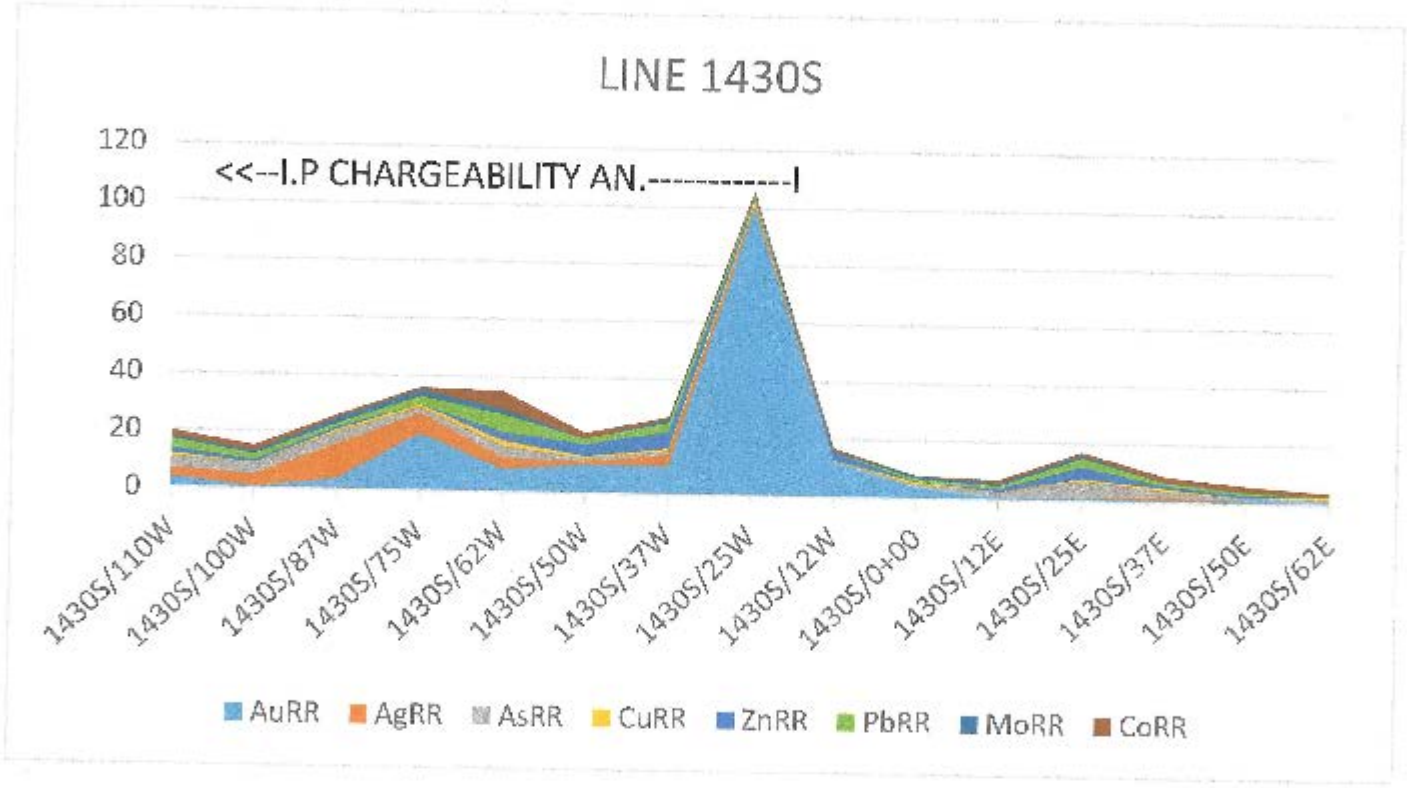
APPENDIX B

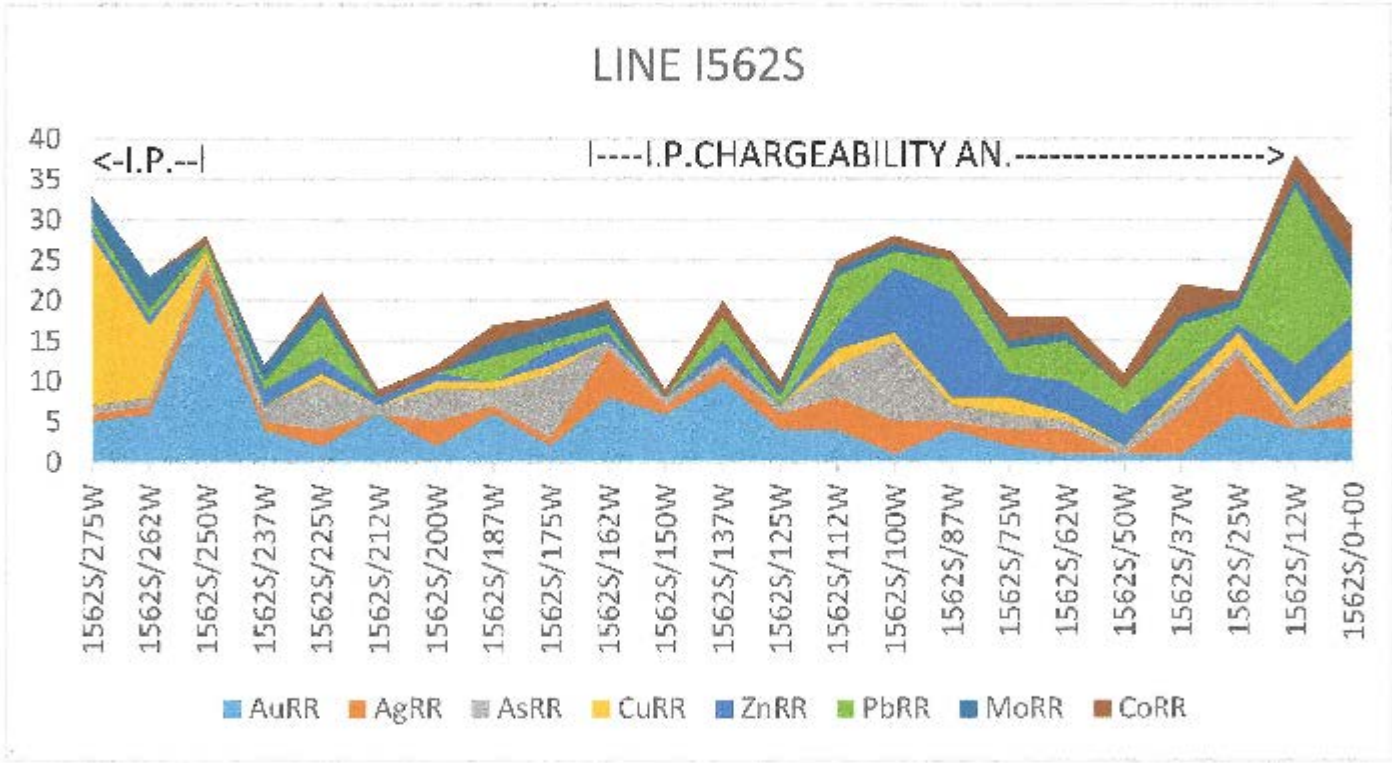
SOIL GEOCHEMICAL SAMPLING - 2019

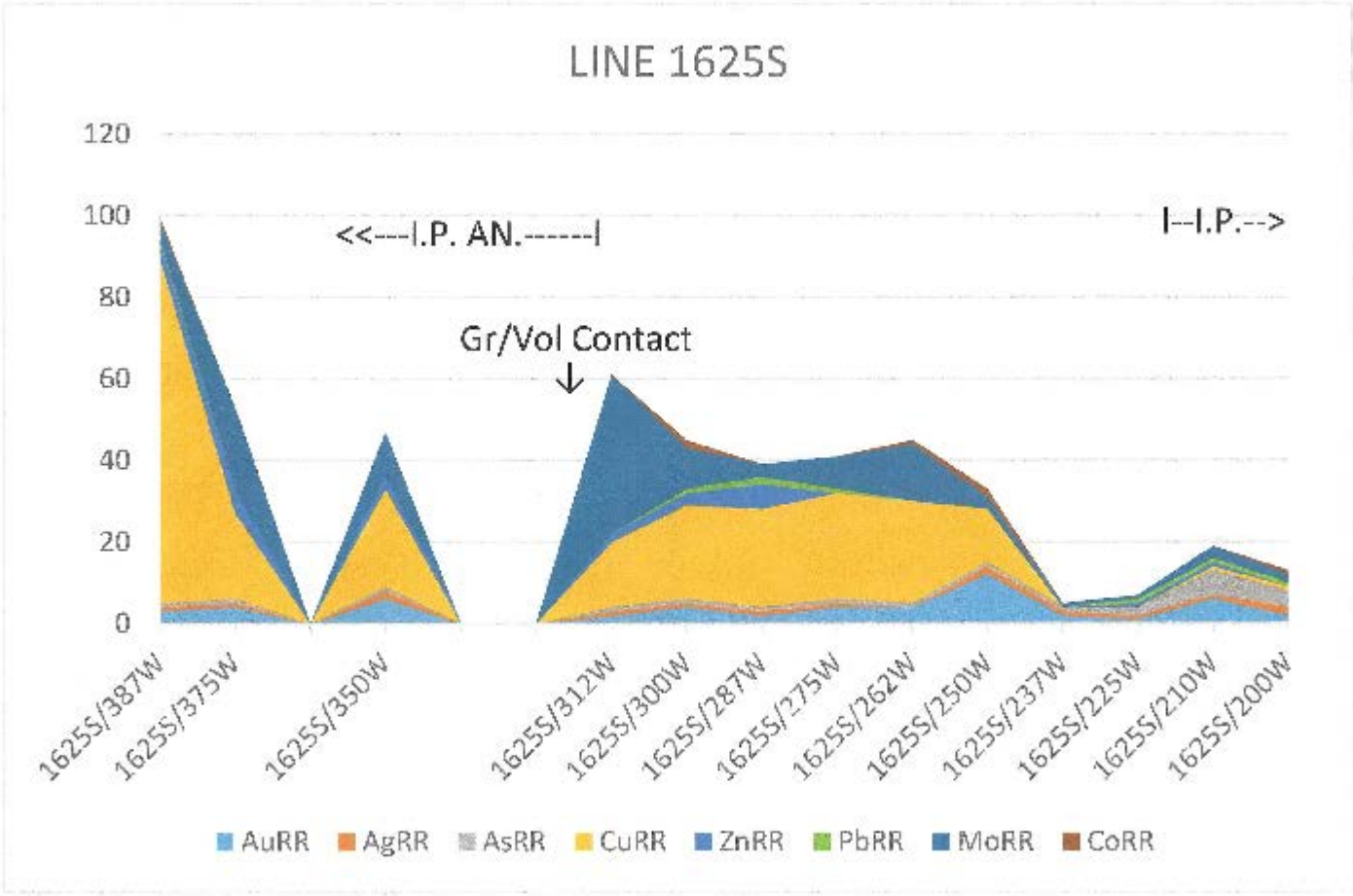
MMI LINE PROFILES OF RR VALUES FOR AU, AG, etc

LABORATORY ANNALYTICAL REPORTS

SAMPLE FIELD NOTES


LINE 1430S
<<--I.P CHARGEABILITY AN.----------I
120
100
80
60
40
20
0
1430S/110W
1430S/100W
1430S/87W
1430S/75W
1430S/62W
1430S/50W
1430S/37W
1430S/25W
1430S/12W
1430S/0+00
1430S/12E
1430S/25E
1430S/37E
1430S/50E
1430S/62E
AuRR
AgRR
AsRR
CuRR
ZnRR
PbRR
MoRR
CoRR


LINE I562S
<-I.P.--|
|----I.P.CHARGEABILITY AN.---------->
40
35
30
25
20
15
10
5
0
1562S/275W
1562S/262W
1562S/250W
1562S/237W
1562S/225W
1562S/212W
1562S/200W
1562S/187W
1562S/175W
1562S/162W
1562S/150W
1562S/137W
1562S/125W
1562S/112W
1562S/100W
1562S/87W
1562S/75W
1562S/62W
1562S/50W
1562S/37W
1562S/25W
1562S/12W
1562S/0+00
AuRR
AgRR
AsRR
CuRR
ZnRR
PbRR
MoRR
CoRR


LINE 1625S
120
100
80
60
40
20
0
<<---I.P. AN.------I
I--I.P.-->
Gr/Vol Contact
1625S/387W
1625S/375W
1625S/350W
1625S/312W
1625S/300W
1625S/287W
1625S/275W
1625S/262W
1625S/250W
1625S/237W
1625S/225W
1625S/210W
1625S/200W
AuRR
AgRR
AsRR
CuRR
ZnRR
PbRR
MoRR
CoRR

ANALYSIS REPORT BBM19-00899

To JUBILEE GOLD EXPLORATION LTD
WILLIAM TROUP
77 KING ST WEST
SUITE 2905
TORONTO M5K 1H1
ON
CANADA

Order Number	L-B AUG 2019/ 52 MMI (8 Elements)	Date Received	27-Aug-2019
Submission Number	L-B AUG 2019/ 52 MMI (8 Elements)	Date Analysed	30-Aug-2019 - 28-Sep-2019
Number of Samples	52	Date Completed	28-Sep-2019
		SGS Order Number	BBM19-00899

Methods Summary

Number of Sample	Method Code	Description
52	G_LOG	Sample Registration Fee
52	G_WGH_KG	Weight of samples received
52	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Authorised Signatory

Gerald Chik
Laboratory Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada | CA MIN Burnaby, BC 3260 Production Way, Burnaby, BC V5A 4W4 Burnaby CANADA t +1 (604) 638 2349 f www.sgs.com

SGS

Order Number L-B AUG 2019/ 52 MMI (8 Elements)
Submission Number L-B AUG 2019/ 52 MMI (8 Elements)
Number of Samples 52

ANALYSIS REPORT BBM19-00899

Element	Wtkg	Au	Ag	As	Cu	Zn
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.1	0.5	10	10	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
1562S/0+00	0.28	0.2	3.7	20	360	710
1562S/12W	0.27	0.2	1.2	10	130	940
1562S/25W	0.50	0.3	12.9	<10	230	240
1562S/37W	0.34	<0.1	8.9	10	150	460
1562S/50W	0.27	<0.1	1.6	<10	50	720
1562S/62W	0.35	<0.1	5.7	<10	100	710
1562S/75W	0.24	0.1	3.8	10	210	600
1562S/87W	0.36	0.2	2.8	10	120	2290
1562S/100W	0.38	<0.1	7.1	50	140	1400
1562S/112W	0.34	0.2	8.3	20	170	540
1562S/125W	0.34	0.2	4.1	<10	50	140
1562S/137W	0.24	0.5	4.4	<10	70	350
1562S/150W	0.32	0.4	2.0	<10	60	70
1562S/162W	0.22	0.4	12.1	<10	70	240
1562S/175W	0.39	0.1	3.1	40	150	420
1562S/187W	0.38	0.3	2.4	10	110	120
1562S/200W	0.33	0.1	6.9	20	110	210
1562S/212W	0.30	0.3	0.7	<10	50	280
1562S/225W	0.47	0.1	4.3	30	110	470
1562S/237W	0.31	0.2	3.4	10	60	350
1562S/250W	0.42	1.1	4.4	<10	150	150
1562S/262W	0.47	0.3	1.8	<10	840	210
1562S/275W	0.38	0.2	2.3	<10	1720	310
1430S/110W	0.47	0.2	6.1	20	150	390
1430S/100W	0.46	<0.1	7.8	20	70	170
1430S/87W	0.26	0.2	22.2	20	120	250
1430S/75W	0.44	1.0	13.3	10	130	160
1430S/62W	0.35	0.4	8.4	20	170	510
1430S/50W	0.29	0.5	2.2	<10	110	730
1430S/37W	0.38	0.5	7.8	<10	150	1070

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada | CA MIN Burnaby, BC 3260 Production Way, Burnaby, BC V5A 4W4 Burnaby CANADA t +1 (604) 638 2349 f www.sgs.com

Order Number L-B AUG 2019/ 52 MMI (8 Elements)
Submission Number L-B AUG 2019/ 52 MMI (8 Elements)
Number of Samples 52

ANALYSIS REPORT BBM19-00899

Element	Wtkg	Au	Ag	As	Cu	Zn
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.1	0.5	10	10	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppb	ppb	ppb	ppb
1430S/25W	0.27	5.0	2.1	<10	90	300
1430S/12W	0.29	0.6	<0.5	<10	60	620
1430S/0+00	0.61	0.2	1.0	<10	90	80
1430S/12E	0.23	<0.1	<0.5	10	70	240
1430S/25E	0.35	<0.1	1.3	30	100	720
1430S/37E	0.27	<0.1	3.3	10	160	260
1430S/50E	0.24	<0.1	<0.5	<10	50	210
1430S/62E	0.23	<0.1	0.6	<10	90	60
1625S/200W	0.31	0.1	4.4	20	90	160
1625S/210W	0.30	0.3	1.9	30	130	280
1625S/225W	0.28	<0.1	1.7	10	80	170
1625S/237W	0.43	0.2	2.1	<10	80	50
1625S/250W	0.37	0.6	4.6	<10	1140	130
1625S/262W	0.32	0.2	1.6	<10	2150	70
1625S/275W	0.36	0.2	2.0	<10	2210	110
1625S/287W	0.25	0.1	2.2	<10	2110	1070
1625S/300W	0.19	0.2	2.6	<10	1970	520
1625S/312W	0.34	0.1	1.7	<10	1440	490
1625S/350W	0.47	0.3	3.5	<10	2050	620
1625S/375W	0.18	0.3	3.3	<10	1920	1080
1625S/387W	0.23	0.1	2.9	<10	5270	480
1625S/387H	0.36	0.2	1.3	<10	9260	830
*Rep 1625S/375W	-	0.1	3.1	<10	1730	1130
*Blk BLANK	-	<0.1	<0.5	<10	<10	<10
*Std AMIS0169	-	0.4	8.8	10	3240	190
*Blk BLANK	-	<0.1	<0.5	<10	<10	<10
*Rep 1562S/150W	-	0.2	1.5	<10	50	50
*Std AMIS0169	-	0.3	7.4	<10	2880	190
*Rep 1562S/275W	-	0.3	2.7	<10	2000	280
*Rep 1625S/237W	-	<0.1	2.0	<10	70	40

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number L-B AUG 2019/ 52 MMI (8 Elements)
Submission Number L-B AUG 2019/ 52 MMI (8 Elements)
Number of Samples 52

ANALYSIS REPORT BBM19-00899

Element	Pb	Mo	Co
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	2	1
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
1562S/0+00	358	11	137
1562S/12W	2720	4	102
1562S/25W	244	4	47
1562S/37W	765	3	141
1562S/50W	366	<2	85
1562S/62W	604	3	78
1562S/75W	409	4	134
1562S/87W	558	2	36
1562S/100W	313	4	41
1562S/112W	809	4	52
1562S/125W	208	4	60
1562S/137W	377	2	82
1562S/150W	95	<2	38
1562S/162W	160	5	48
1562S/175W	223	6	47
1562S/187W	362	5	71
1562S/200W	66	<2	43
1562S/212W	53	<2	33
1562S/225W	604	5	63
1562S/237W	218	7	32
1562S/250W	125	<2	36
1562S/262W	140	10	25
1562S/275W	173	8	16
1430S/110W	359	3	88
1430S/100W	257	4	69
1430S/87W	232	6	61
1430S/75W	380	6	52
1430S/62W	783	6	220
1430S/50W	350	<2	67
1430S/37W	397	3	41
1430S/25W	128	<2	55
1430S/12W	108	<2	55

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada | CA MIN Burnaby, BC 3260 Production Way, Burnaby, BC V5A 4W4 Burnaby CANADA t +1 (604) 638 2349 f www.sgs.com

Order Number L-B AUG 2019/ 52 MMI (8 Elements)
Submission Number L-B AUG 2019/ 52 MMI (8 Elements)
Number of Samples 52

ANALYSIS REPORT BBM19-00899

Element	Pb	Mo	Co
Method	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	2	1
Upper Limit	--	--	--
Unit	ppb	ppb	ppb
1430S/0+00	162	3	16
1430S/12E	121	3	66
1430S/25E	457	4	58
1430S/37E	194	<2	69
1430S/50E	119	<2	81
1430S/62E	23	<2	35
1625S/200W	190	6	44
1625S/210W	203	8	30
1625S/225W	170	4	20
1625S/237W	73	4	18
1625S/250W	44	8	68
1625S/262W	89	36	51
1625S/275W	122	21	27
1625S/287W	312	9	26
1625S/300W	120	25	79
1625S/312W	101	99	24
1625S/350W	90	29	28
1625S/375W	83	48	32
1625S/387W	112	17	27
1625S/387H	187	6	55
*Rep 1625S/375W	72	53	33
*Blk BLANK	<5	<2	<1
*Std AMIS0169	111	3	83
*Blk BLANK	<5	<2	<1
*Rep 1562S/150W	74	<2	37
*Std AMIS0169	103	3	91
*Rep 1562S/275W	150	8	19
*Rep 1625S/237W	61	4	16

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada | CA MIN Burnaby, BC 3260 Production Way, Burnaby, BC V5A 4W4 Burnaby CANADA t +1 (604) 638 2349 f www.sgs.com

Certificate of Analysis
Work Order : SU1900551
[Report File No.: 0000021935]

Date: September 27, 2019

To: **William (Bill) Troup**
JUBILEE GOLD EXPLORATION LTD
Alcanex Ltd.
1365 Clarkcon Road North
Mississauga
Ontario L5J-2W6

P.O. No.: -
Project No.: -
Samples: 10
Received: Aug 26, 2019
Pages: Page 1 to 6
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
10	SHIP	Shipping
10	G_WGH79	Weighing of samples and reporting of weights
10	G_PRP89	Weigh, Dry, to 3kg, Crush 75% -2mm, Split to 250g, Pulverize to 85% -75µm
10	GE_FAA313	@Au, FAS, AAS, 30g-5ml
10	GE_ICP14B	2 acid digest for non-organic or low sulphide <10% - ICP-OES

Storage: Pulp & Reject
PULP STORAGE :
REJECT STORAGE :

Comments:
Assays not suitable for commercial exchange.

Certified By : Debbie Waldon
Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer: L.N.R. = Listed not received; n.a. = Not applicable; I.S. = Insufficient Sample; -- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

Element	WtKg	@Au	Ag	Al	As	Ba	Be	Bi
Method	G_WGH79	GE_FAA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.001	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
1582	1.026	<5	<2	0.78	<3	56	<0.5	<5
1583	0.454	<5	<2	0.64	<3	66	<0.5	<5
1584	0.942	<5	<2	0.67	<3	36	<0.5	<5
1585	1.190	12	<2	0.61	<3	53	<0.5	<5
1586	0.741	<5	<2	0.54	<3	41	<0.5	<5
1587	0.540	63	<2	0.53	<3	56	<0.5	<5
1588	0.658	9	<2	0.15	<3	8	<0.5	<5
1589	1.746	<5	<2	0.56	<3	46	<0.5	<5
1590	1.201	50	<2	0.17	<3	9	<0.5	<5
1591	1.039	<5	<2	0.12	<3	5	<0.5	<5
*Rep 1585		14						
*Std OREAS-235		1547						
*Rep 1591			<2	0.13	<3	6	<0.5	<5
*Std OREAS-902			2	0.50	559	11	0.8	6

Final : SU1900551 Order:

Report File No.: 0000021935

Element	Ca	Cd	Co	Cr	Cu	Fe	Hg	K
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	1	1	1	0.5	0.01	1	0.01
Units	%	ppm	ppm	ppm	ppm	%	ppm	%
1582	0.25	<1	4	11	6.1	1.42	<1	0.31
1583	0.21	<1	3	10	3.1	1.14	<1	0.26
1584	0.17	<1	4	11	6.0	1.33	<1	0.12
1585	0.11	<1	3	7	14.9	1.23	<1	0.29
1586	0.17	<1	2	11	5.6	1.02	<1	0.15
1587	0.13	<1	7	10	4.9	1.72	<1	0.27
1588	0.01	<1	<1	12	2.3	0.32	<1	0.09
1589	0.67	<1	4	12	5.9	1.35	<1	0.37
1590	0.02	<1	<1	11	2.5	0.30	<1	0.09
1591	0.02	<1	<1	8	1.6	0.50	<1	0.08
*Rep 1591	0.02	<1	<1	10	1.9	0.52	<1	0.08
*Std OREAS-902	4.11	<1	878	21	2901	2.97	<1	0.25

Element	La	Li	Mg	Mn	Mo	Na	Ni	P
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.5	1	0.01	2	1	0.01	1	0.01
Units	ppm	ppm	%	ppm	ppm	%	ppm	%
1582	6.3	9	0.34	217	1	0.04	4	0.03
1583	12.5	8	0.26	148	<1	0.04	3	0.02
1584	13.2	7	0.26	172	<1	0.03	5	0.03
1585	10.1	7	0.23	121	<1	0.04	3	0.03
1586	7.9	6	0.19	117	1	0.04	3	0.02
1587	4.3	8	0.25	147	1	0.05	4	0.03
1588	0.5	<1	<0.01	30	<1	0.04	2	<0.01
1589	14.2	8	0.21	260	1	0.03	3	0.03
1590	0.7	<1	<0.01	142	1	0.04	1	<0.01
1591	0.6	<1	<0.01	53	<1	0.03	<1	<0.01
*Rep 1591	0.7	<1	<0.01	55	<1	0.03	<1	<0.01
*Std OREAS-902	12.4	3	2.22	436	12	<0.01	154	0.07

Element	Pb	S	Sb	Sc	Sn	Sr	Ti	V
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	2	0.01	5	0.5	10	0.5	0.01	1
Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm
1582	<2	<0.01	<5	1.0	<10	19.8	0.08	14
1583	<2	<0.01	<5	<0.5	<10	18.3	0.06	9
1584	<2	<0.01	<5	1.0	<10	16.5	0.02	9
1585	<2	0.04	<5	0.8	<10	10.4	0.04	8
1586	<2	<0.01	<5	<0.5	<10	16.0	0.05	8
1587	<2	0.36	<5	0.7	<10	9.0	0.05	8
1588	3	<0.01	<5	<0.5	<10	1.6	<0.01	1
1589	<2	<0.01	<5	0.7	<10	16.7	0.04	7
1590	8	0.03	<5	<0.5	<10	2.7	<0.01	<1
1591	3	<0.01	<5	<0.5	<10	1.2	<0.01	2
*Rep 1591	3	<0.01	<5	<0.5	<10	1.1	<0.01	2
*Std OREAS-902	9	1.81	<5	2.4	<10	21.5	<0.01	8

Final : SU1900551 Order:

Report File No.: 0000021935

Element	W	Y	Zn	Zr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
1582	<10	3.3	46	3.2
1583	<10	1.9	43	1.8
1584	<10	2.7	41	2.1
1585	<10	3.0	35	3.6
1586	<10	1.1	25	1.3
1587	<10	2.1	34	3.8
1588	<10	5.1	2	9.0
1589	<10	3.7	36	2.8
1590	<10	8.1	3	12.2
1591	<10	7.5	3	12.5
*Rep 1591	<10	8.1	3	14.4
*Std OREAS-902	<10	6.9	6	13.7

JUBILEE GOLD - LEESON BRACKIN, SOIL SAMPLING - 2019
MAIN GRID
LINE 1562S, Sampled August 21, 2019, W. Troup

Location	Sample Description	Comments	Depth
1562S/0+00	white/gray bleached A/B/dry	alders and young birch and poplar/rocky	10-14 cm
1562S/12W	white/gray bleached A/B	alders and young birch and poplar/rocky	10-14 cm
1562S/25W	white/gray bleached A/B	alders and young birch and poplar/rocky	10-14 cm
1562S/37W	white/gray bleached A/B	alders and young birch and poplar/rocky	10-14 cm
1562S/50W	white/gray bleached A/B	alders and young birch and poplar/rocky	10-14 cm
1562S/62W	white/gray bleached A/B	alders and young birch and poplar/rocky	10-14 cm
1562S/75W	white/gray bleached A/B	alders and young birch and poplar/rocky	10-14 cm
		Road at 80 West/0289007/535961426	
1562S/87W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/100W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/112W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/125W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/137W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/150W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/162W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/175W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/187W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/200W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/212W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/225W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/237W	gray/brown slty sandy A/B/dry	alders, young spruce/birch/poplar/rocky	10-14 cm
1562S/250W	gray/dark gray coarse sand/wet	Low ground, swampy	50-60 cm
1562S/262W	gray clay	Low ground, swampy	60 cm
1562S/275W	gray clay	Low ground, swampy	60 cm
1562S/287W	N/S	Humus to > 110 Cm	
1562S/300W	N/S	Humus to > 110 Cm	
1562S/312W	N/S	Humus to > 110 Cm	

JUBILEE GOLD - LEESON BRACKIN, SOIL SAMPLING - 2019
MAIN GRID
LINE 1430S, Sampled August 22, 2019, W. Troup

Location	Sample Description	Comments	Depth
1430S/125W	N/S	road	
1430S/110W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/100W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/87W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/75W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/62W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/50W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/37W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/25W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/12W	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/0+00	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/12E	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/25E	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/37E	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/50E	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/slope up to East	10-14 cm
1430S/62E	pale brown/gray sandy silty A/B dry	Mxed young bush/rocky/top of ridge	10-14 cm
1430S/75E	N/S	Diabase outcrop	

JUBILEE GOLD - LEESON BRACKIN, SOIL SAMPLING - 2019
MAIN GRID
LINE 1625S, Sampled August 23, 2019, W. Troup

Location	Sample Description	Comments	Depth
1625S/200W	brown;gray sandy A/B	young poplar/brch/spruce	10-14cm
1625S/210W	brown;gray sandy A/B	young poplar/brch/spruce	10-14cm
1625S/225W	brown;gray sandy A/B	young poplar/brch/spruce	10-14cm
1625S/237W	brown sandy A/B, low ground	young poplar/brch/spruce	40 cm
1625S/250W	dark gray sandy gravelly, clay rich A/B, probaly tiill	young poplar/brch/spruce	40 cm
1625S/262W	dark gray/black clay	open grassy area	70 cm
1625S/275W	dark gray/black clay	open grassy area	70 cm
1625S/287W	gray/brown clay	open grassy area/deep humus	190 cm
1625S/300W	gray/black clay	open grassy area	110 cm
1625S/312W	gray/brown clay	open grassy area/deep humus	190 cm
1625S/325W	N/S	Humus to > 190 cm	
1625S/337W	N/S	Humus to > 190 cm	
1625S/350W	gray/broen clay	open grassy area	190 cm
1625S/362W	N/S	Humus to > 190 cm	
1625S/375W	gray/brown clay	open grassy area	190 cm
1625S/387W	gray/brown clay	grassy area with some spruce	160 cm
1625S/387H	dark brown clay	grassy area with some spruce	150 cm
1625S/400W	N/S	mafic volcanic o/c	

Leeson-Brackin Rock Samples -2019

Sampled August 21-25, 2019 by W. Troup

Sample Number	Location	Description
1582	L1430S/87meters West	White/gray granite boulder, rust on fracture, trace pyrite
1583	L1430S/75West	Granite boulder, rusty brown colour on slips
1584	L1430S/50West	Granite boulder, rusty pink/orange alteration
1585	L1430S/30West	Rusty granite boulder, trace pyrite
1586	L1375S/42East	Gray granite, foliated-160º,near vertical, rust brown on fractures
1587	Near L1375S, 85m west of Base line, (approximate)	Rusty granite bldr/or o/c? trace diss py
1588	L1700S/137West, South side of L1700S,utm:0289014/5359457	Rusty pink/orange granite o/c, fol'd ~140°, vertical, minor q.v
1589	L1700S, 135 West, utm:0289021/5359455	Pink gray granite, fol'd-140°, vertical, narrow qv's and trace pyrite, rusty
1590	L1700S, 135 West, north side of L1700S	f.g. siliceous, quartz rich phase of granite, trace pyrite in red patches
1591	Same location as 1588	1 inch quartz vein included in sample

APPENDIX C

EXPENSES

APPENDIX C

EXPLORATION EXPENDITURES

LEESON-BRACKIN - 2019

CONTRACT EXPLORATION SERVICES

2019 (June to December)
Alcanex Ltd., Geological Services…….....$14,726.68
-Soil and outcrop sampling in follow-up to I.P geophysics $8,170.42
-Data Compilation plus Map and Report Preparation…….$6,556.26
DAN PATRIE EXPLORATION SERVICES……..……..$11,345.20
-Line Cutting and Geophysics (I.P & Mag)
SGS Laboratories……..……...$ 2,117.40
-MMI sample analysis.$ 1,698.17+rock-$419.23

TOTAL **$**28,189.28

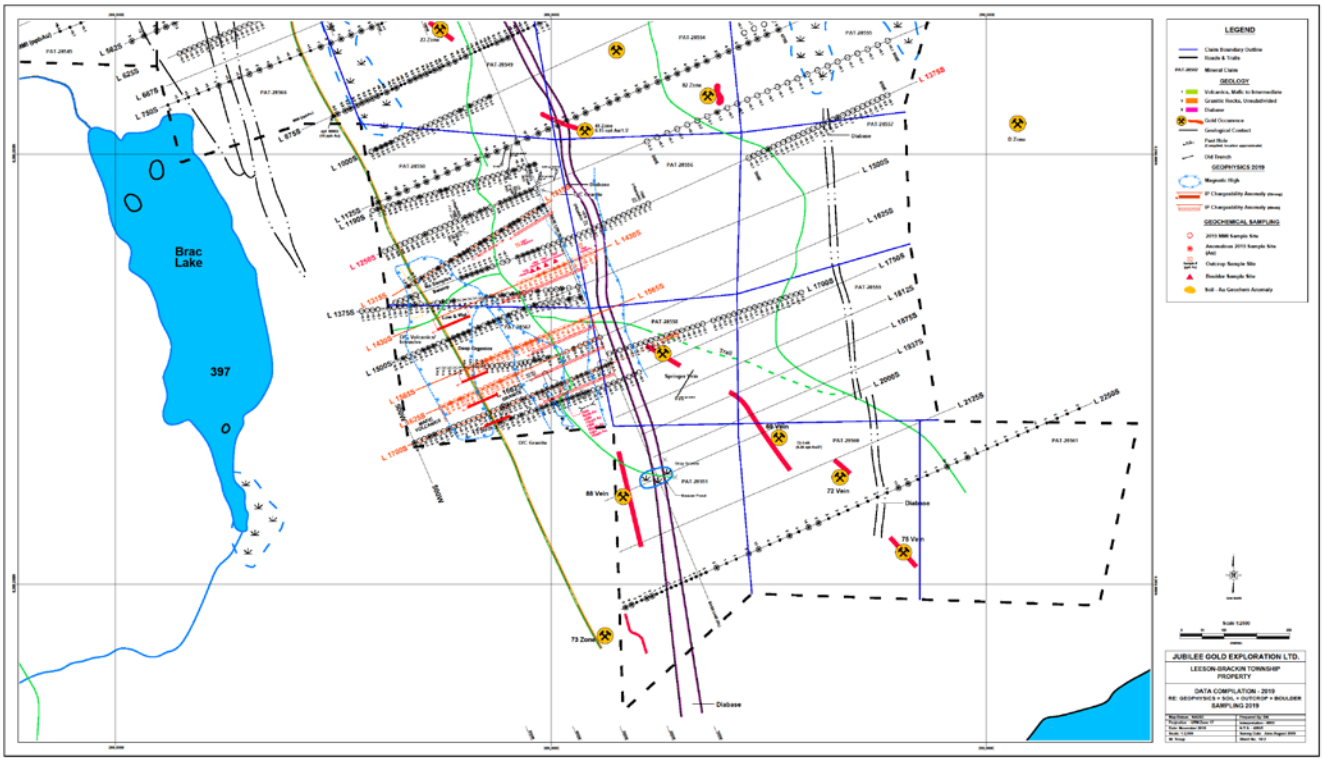
_____
W. Troup Geological Consultant.

November, 2019

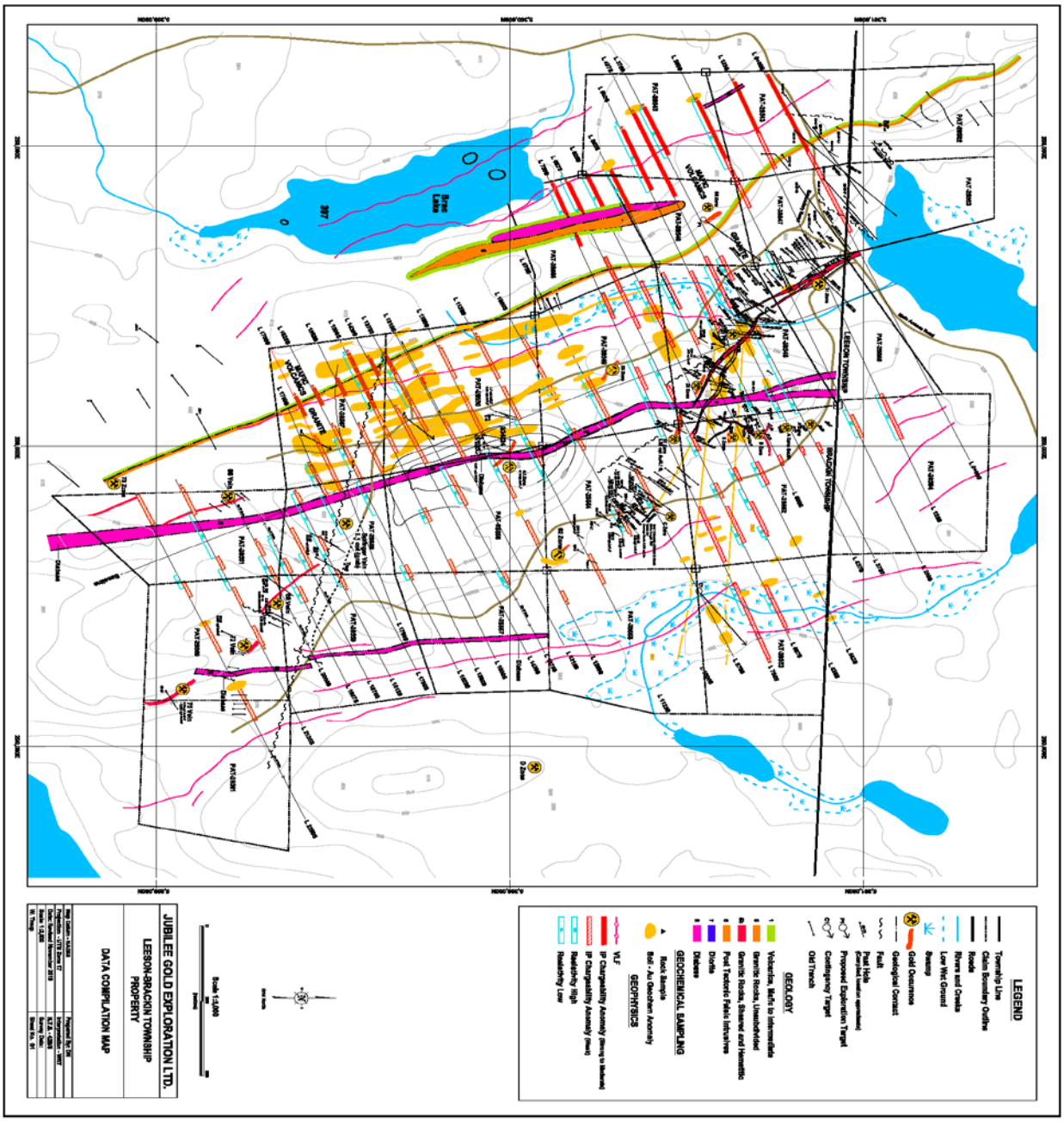
APPENDIX D

2019 SAMPLE LOCATION MAP AND DATA COMPILATION MAP SOUTHWEST AREA

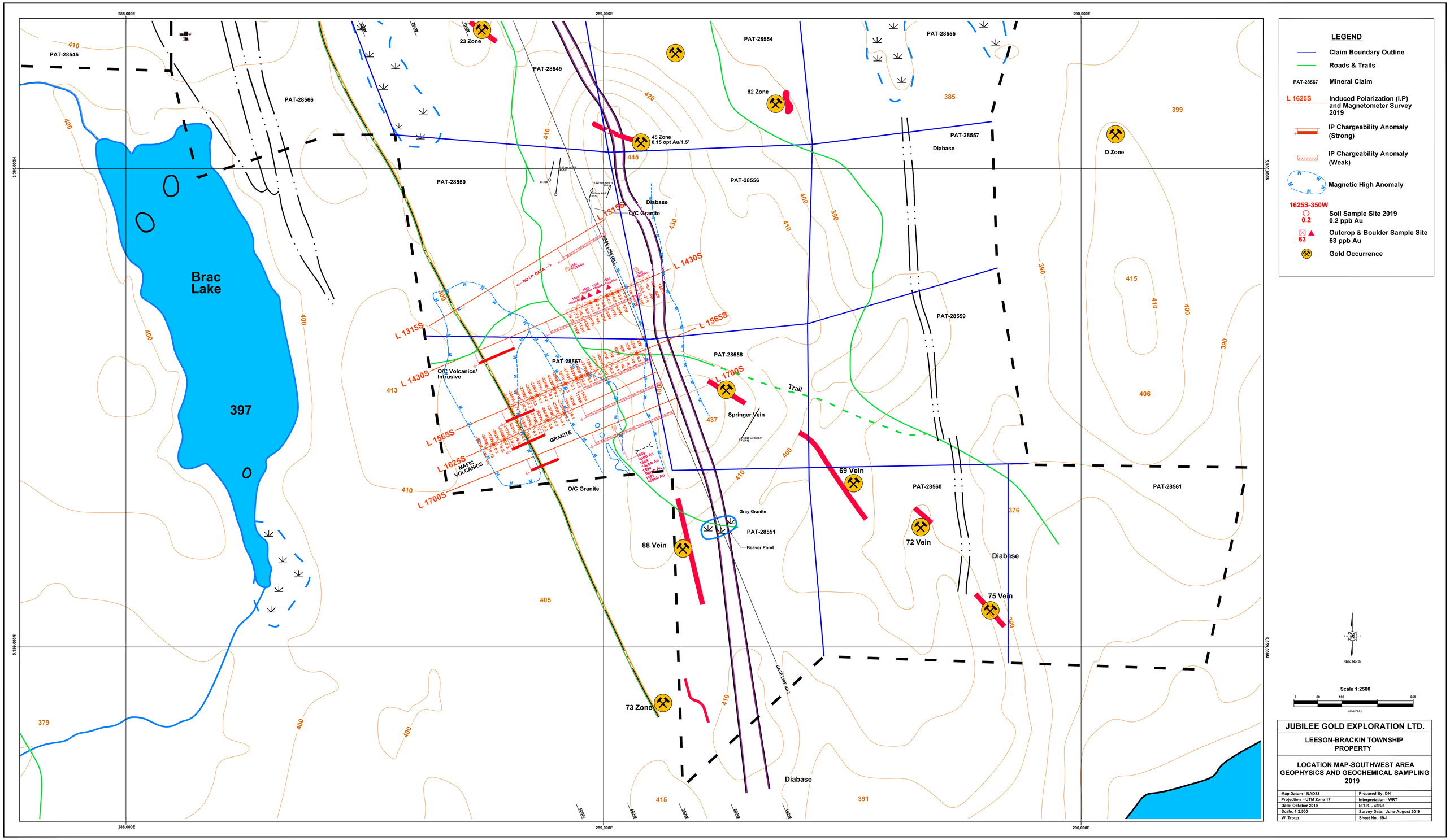
See Maps Accompanying Report for Detail



LEESON-BRACKIN DATA COMPILATION MAP - 2019 EXPLORATION AREA



LEESON-BRACKIN PROPERTY – DATA COMPILATION MAP

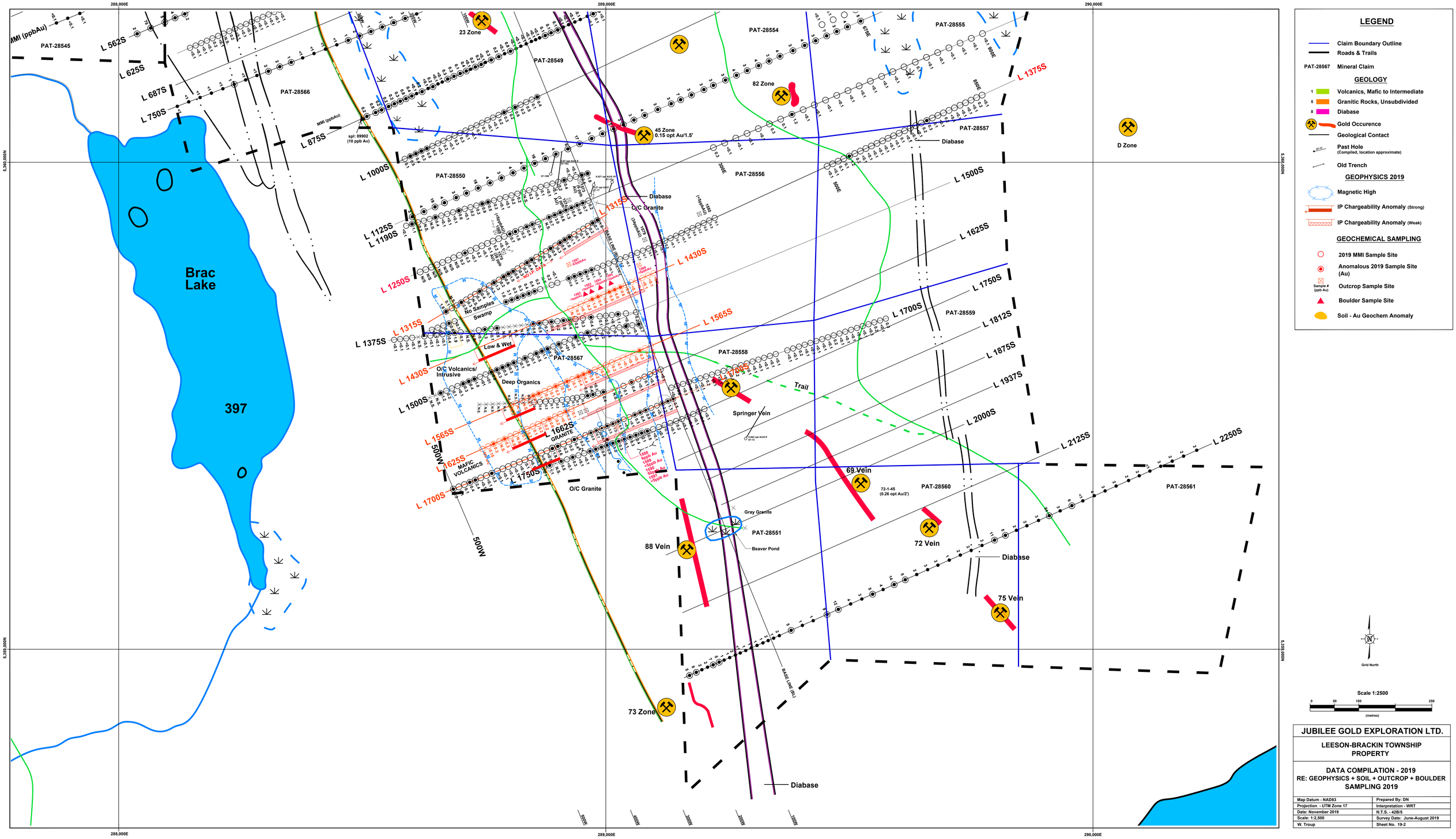


JUBILEE GOLD EXPLORATION LTD.

LEESON-BRACKIN TOWNSHIP PROPERTY

LOCATION MAP-SOUTHWEST AREA GEOPHYSICS AND GEOCHEMICAL SAMPLING 2019

Map Datum - NAD83	Prepared By: DN
Projection - UTM Zone 17	Interpretation - WRT
Date: October 2019	N.T.S. - 42B/5
Scale: 1:2,500	Survey Date: June-August 2019
W. Troup	Sheet No. 19-1



LEGEND

- Claim Boundary Outline
- Roads & Trails
- PAT-28567 Mineral Claim

GEOLOGY

- 1 Volcanics, Mafic to Intermediate
- 5 Granitic Rocks, Unsubdivided
- 8 Diabase
- Gold Occurence
- Geological Contact
- Past Hole (Compiled, location approximate)
- Old Trench

GEOPHYSICS 2019

- Magnetic High
- IP Chargeability Anomaly (Strong)
- IP Chargeability Anomaly (Weak)

GEOCHEMICAL SAMPLING

- 2019 MMI Sample Site
- Anomalous 2019 Sample Site (Au)
- Sample # (ppb Au) Outcrop Sample Site
- Boulder Sample Site
- Soil - Au Geochem Anomaly

Grid North

Scale 1:2500

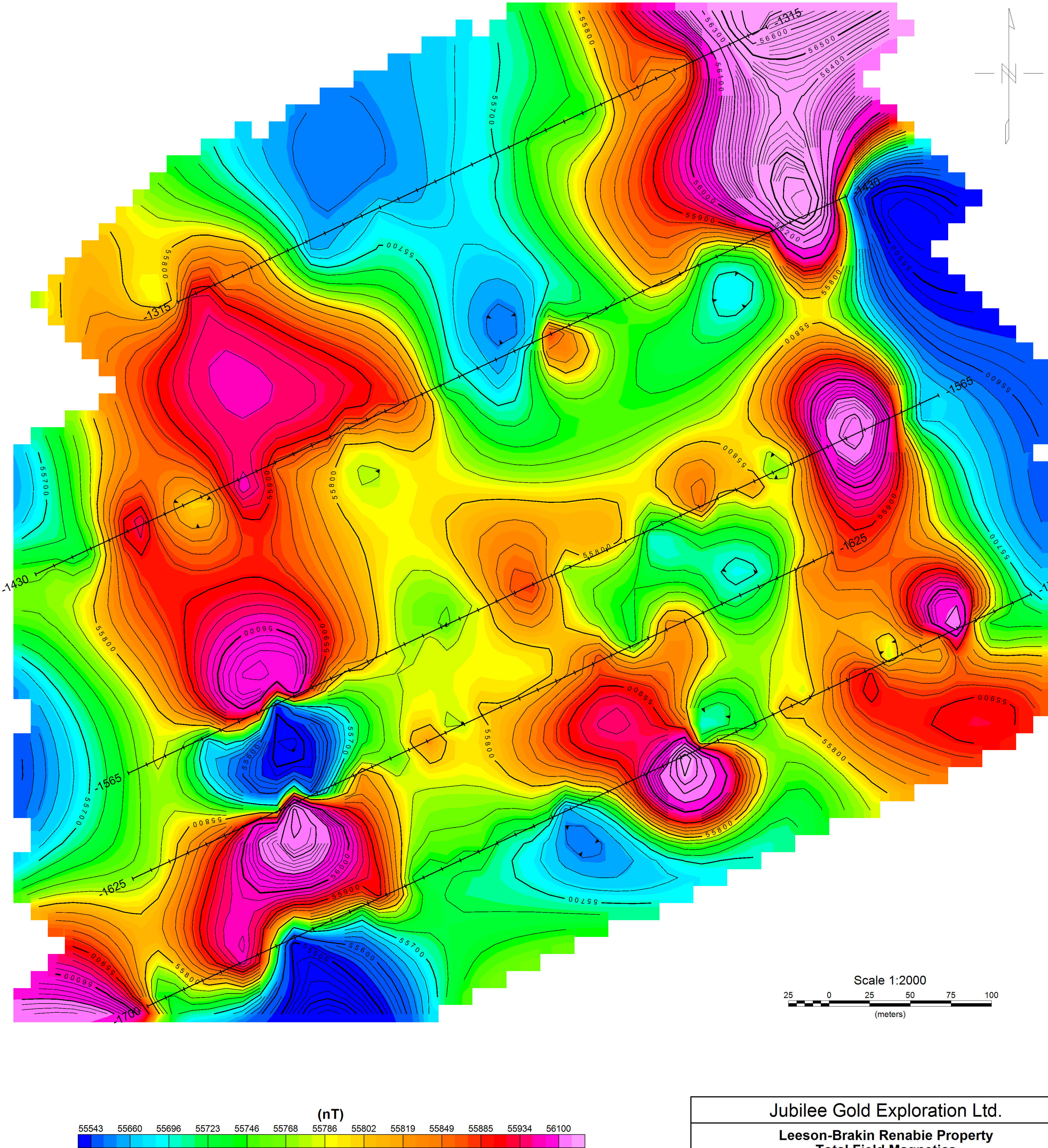
0 50 100 250 (metres)

JUBILEE GOLD EXPLORATION LTD.

LEESON-BRACKIN TOWNSHIP PROPERTY

DATA COMPILATION - 2019
RE: GEOPHYSICS + SOIL + OUTCROP + BOULDER SAMPLING 2019

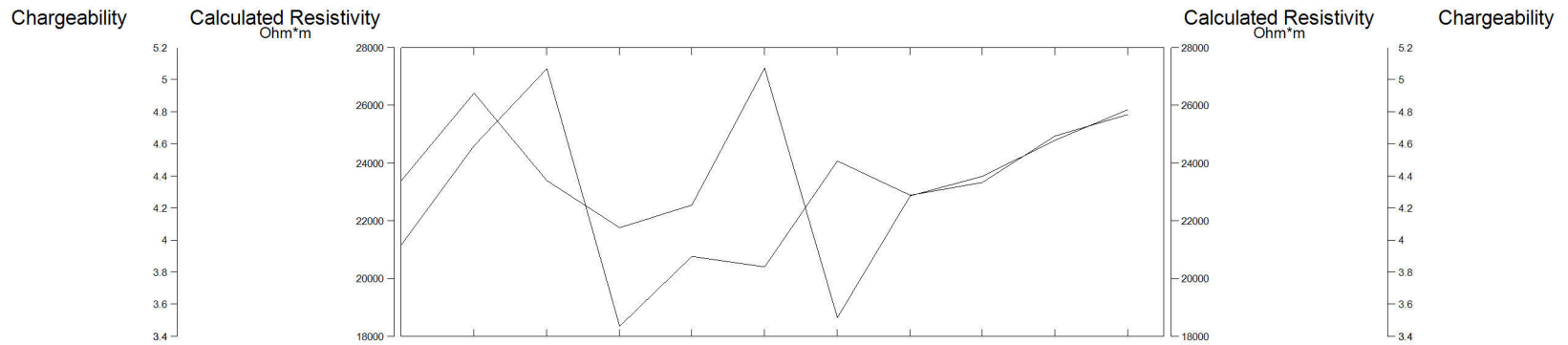
Map Datum - NAD83	Prepared By: DN
Projection - UTM Zone 17	Interpretation - WRT
Date: November 2019	N.T.S. - 42B/5
Scale: 1:2,500	Survey Date: June-August 2019
W. Troup	Sheet No. 19-2

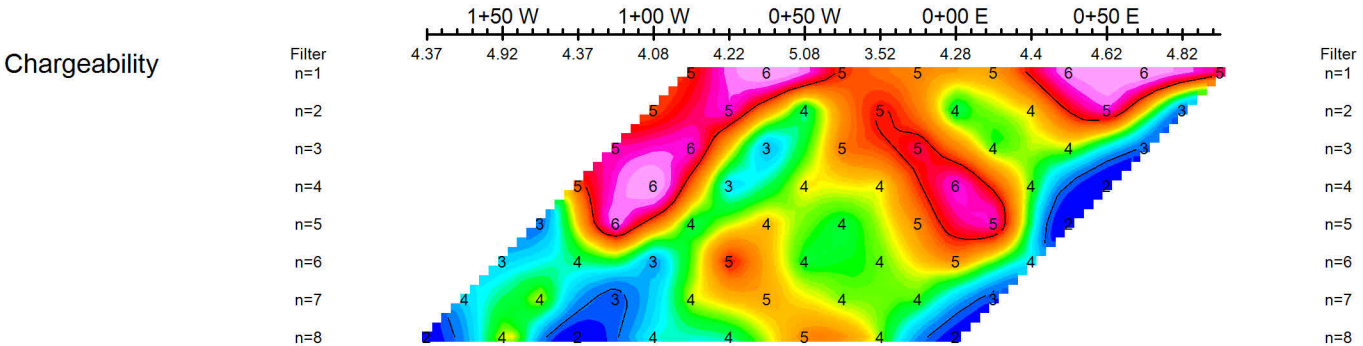


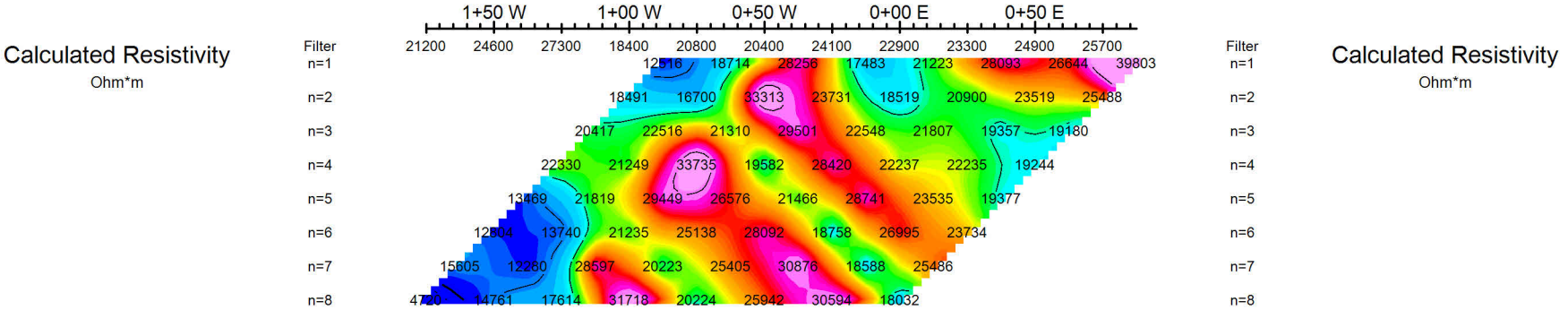
Jubilee Gold Exploration Ltd.

Leeson-Brakin Renabie Property
Total Field Magnetics

DPE



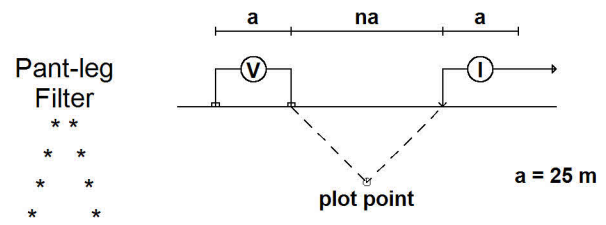




Pseudo Section Plot

13+15 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ▣ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

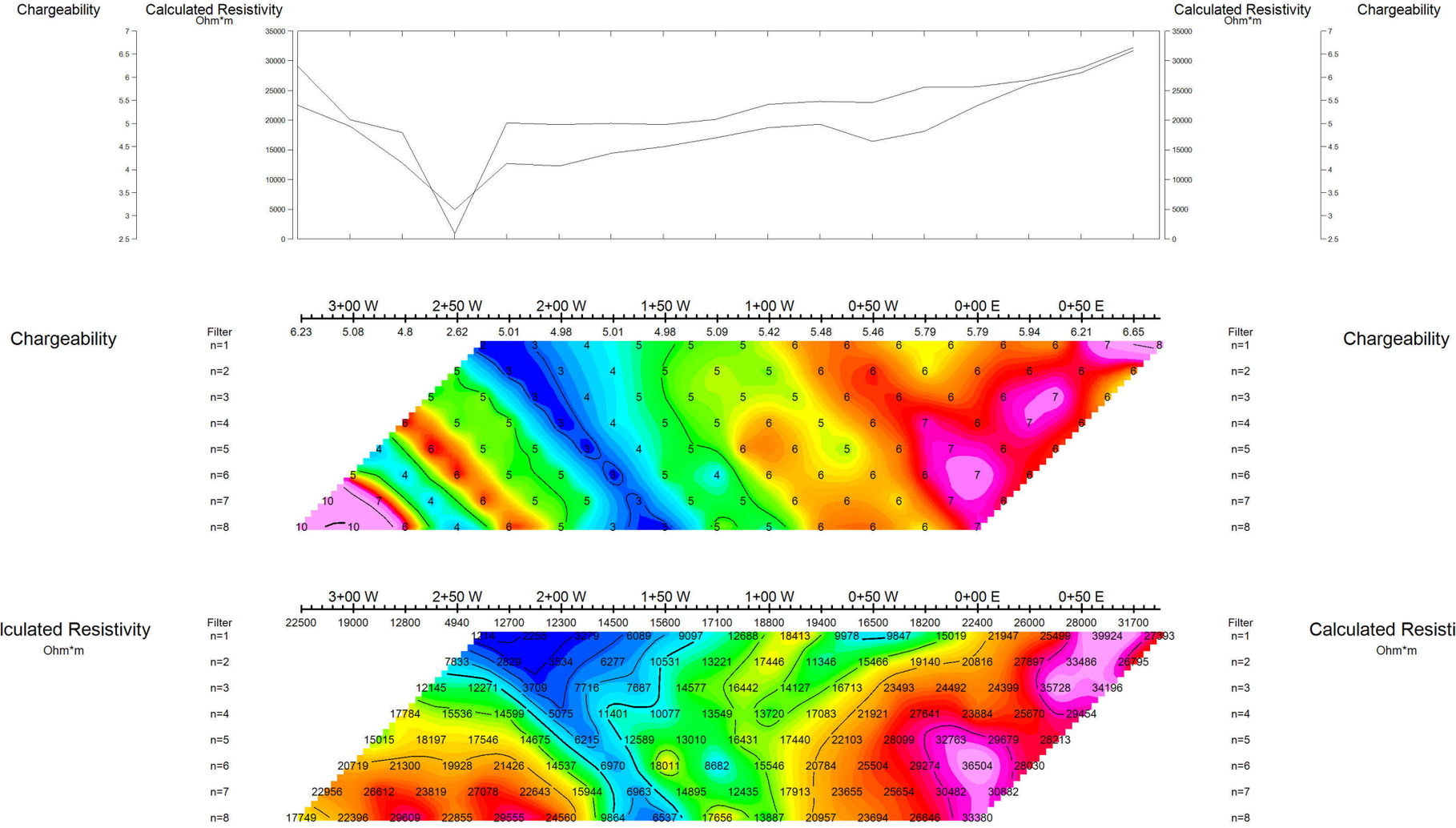
(meters)

Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

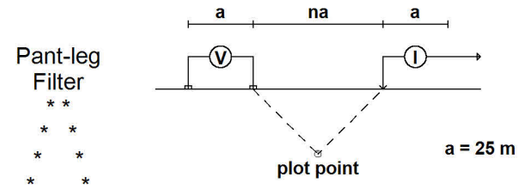
Date: 21/06/2019
Interpretation: DPE



Pseudo Section Plot

14+30 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ☐ **Well defined increase in polarization without marked resistivity decrease.**
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- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

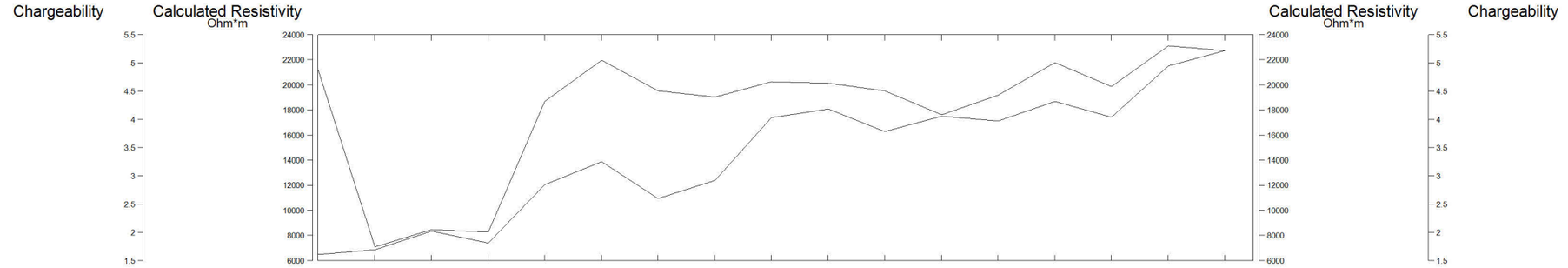
(meters)

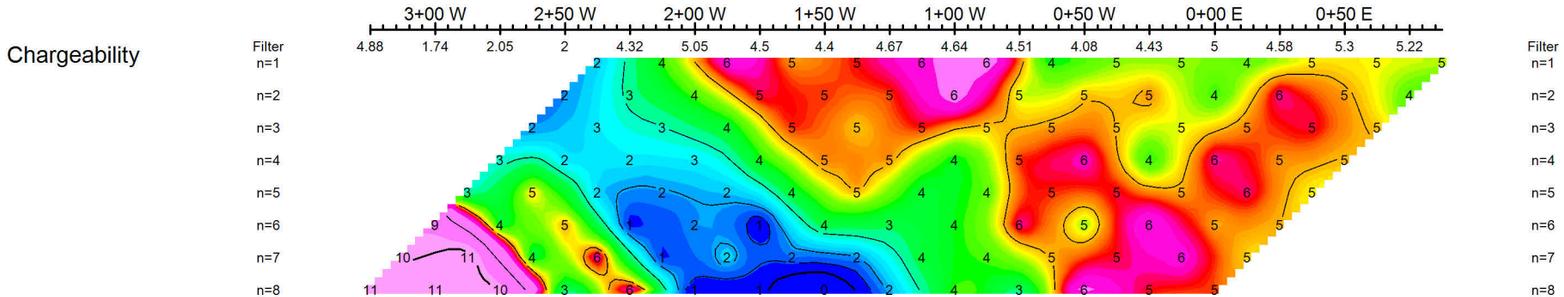
Jubilee Gold Exploration Ltd.

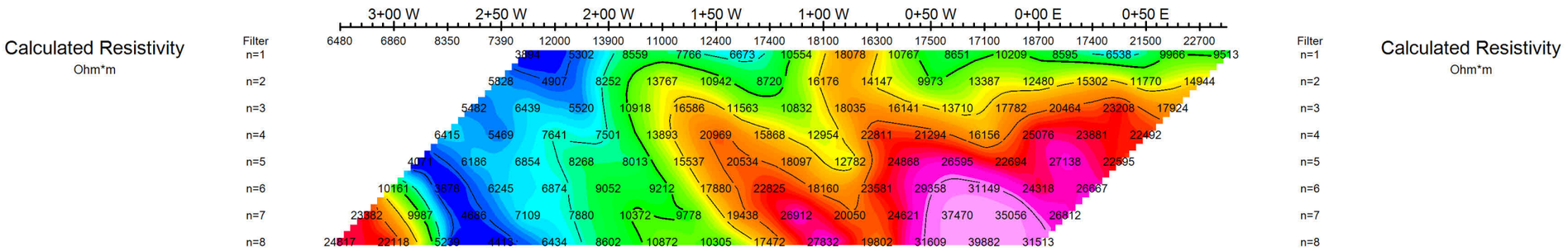
INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE



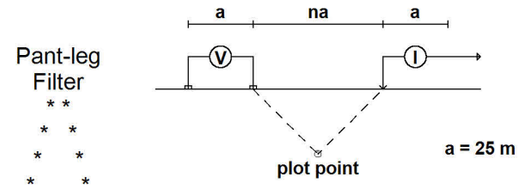




Pseudo Section Plot

15+65 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ☐ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

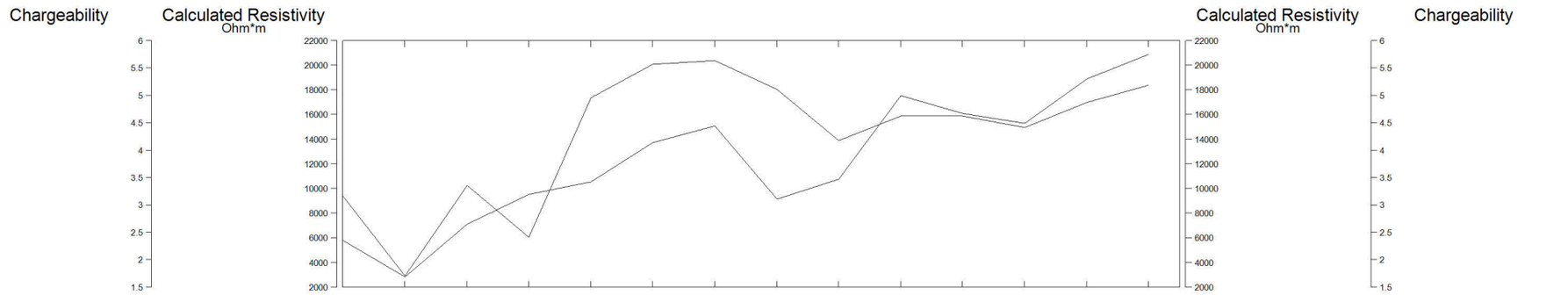
(meters)

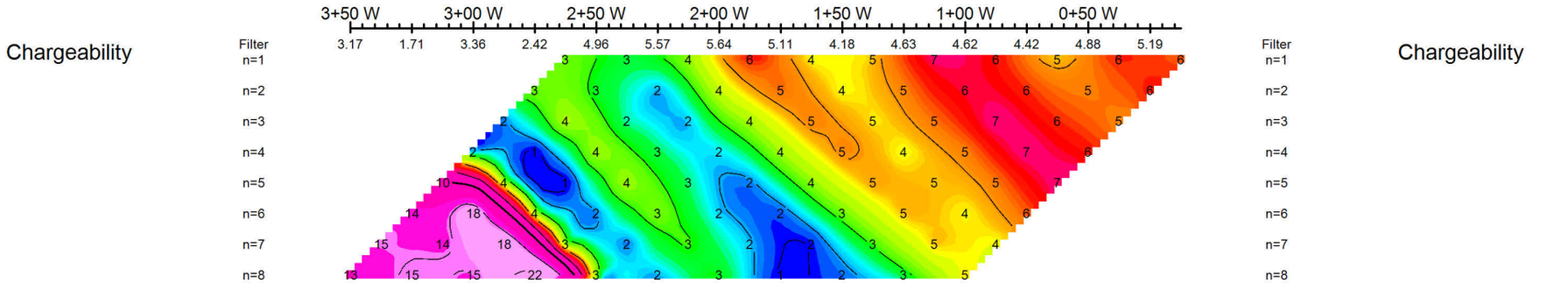
Jubilee Gold Exploration Ltd.

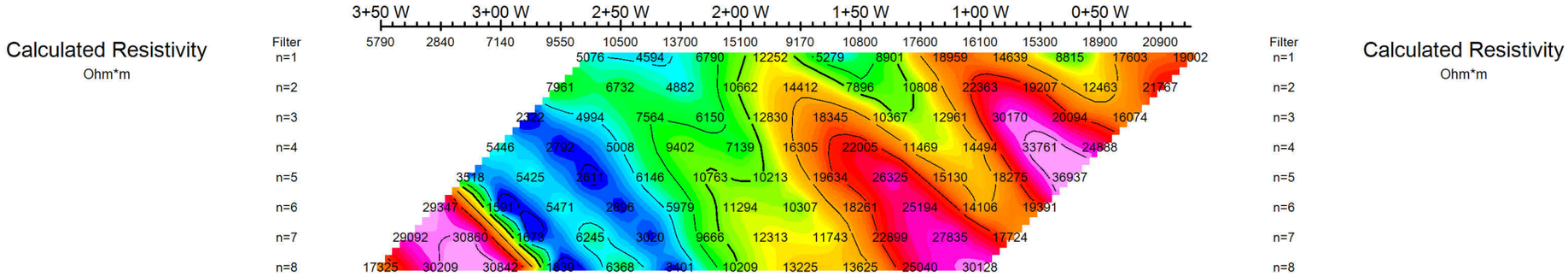
INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE



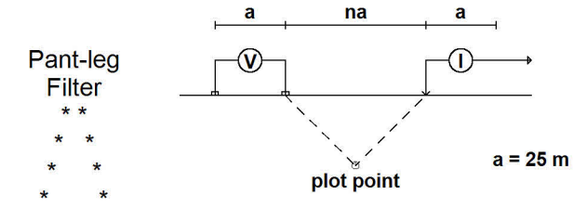




Pseudo Section Plot

16+25 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ◘ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

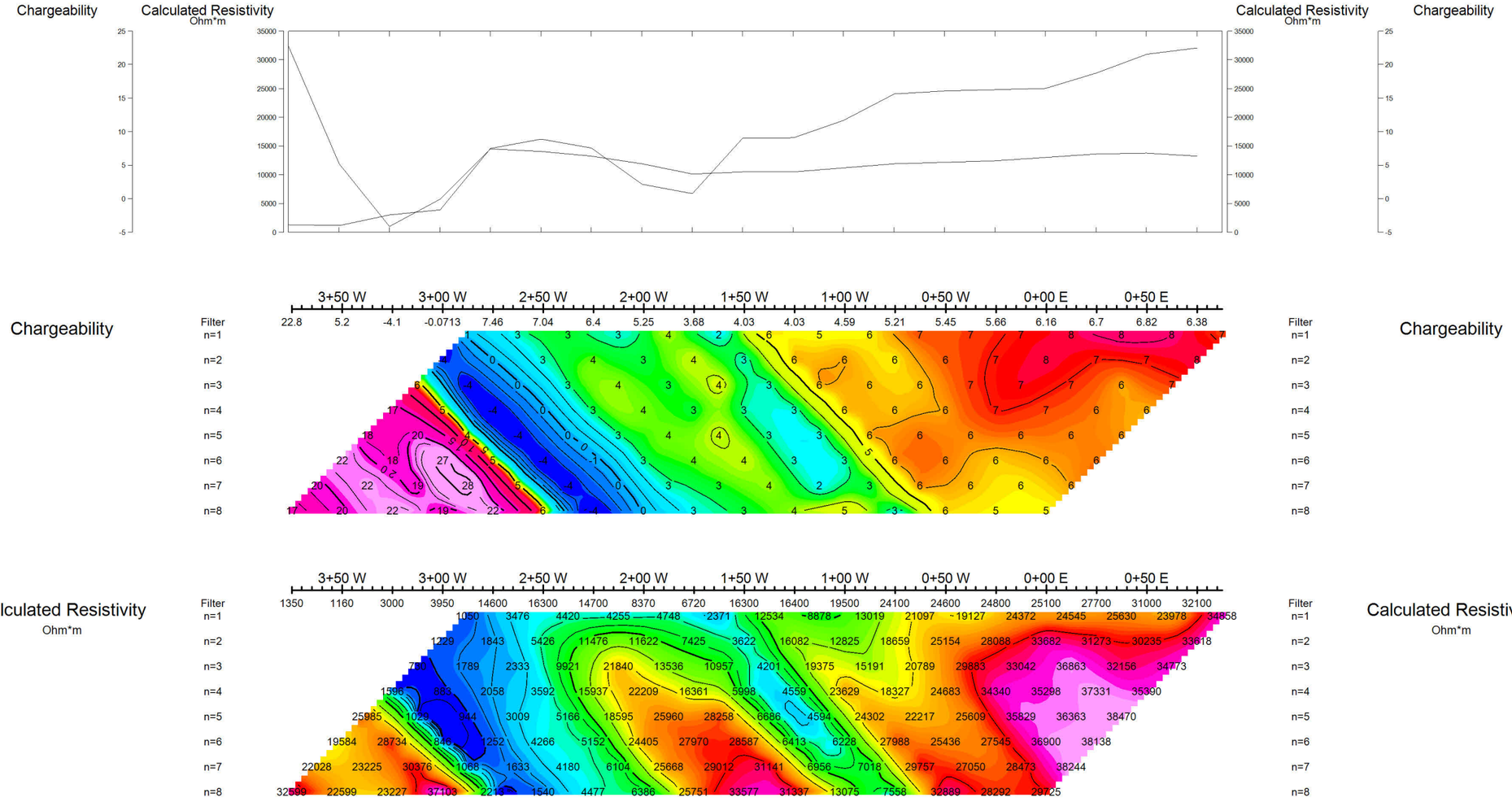
(meters)

Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

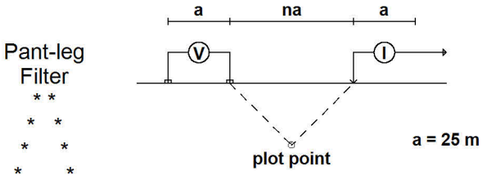
Date: 21/06/2019
Interpretation: DPE



Pseudo Section Plot

17+00 S

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ⧈ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:2500

25 0 25 50 75 100 125 150

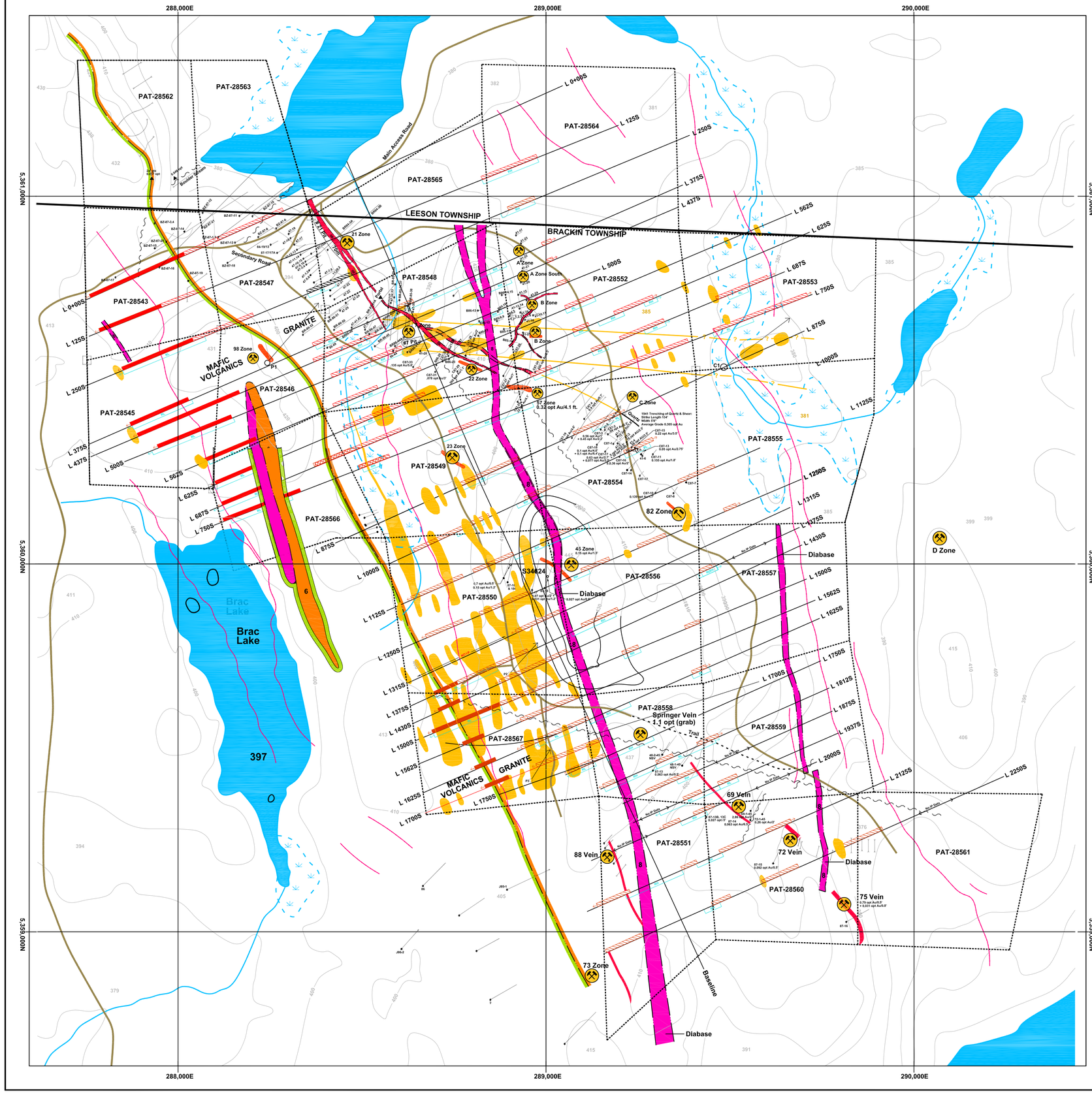
(meters)

Jubilee Gold Exploration Ltd.

INDUCED POLARIZATION SURVEY

Leeson-Brakin Renabie Property

Date: 21/06/2019
Interpretation: DPE



LEGEND

- Township Line
- Claim Boundary Outline
- Roads
- Rivers and Creeks
- Low Wet Ground
- Swamp
- Gold Occurence
- Geological Contact
- Fault
- Past Hole (Compiled, location approximate)
- Proposed Exploration Target
- Contingency Target
- Old Trench

GEOLOGY

- 1 Volcanics, Mafic to Intermediate
- 5 Granitic Rocks, Unsubdivided
- 5b Granitic Rocks, Sheared and Hematitic
- 6 Post Tectonic Felsic Intrusives
- 7 Diorite
- 8 Diabase

GEOCHEMICAL SAMPLING

- Rock Sample
- Soil - Au Geochem Anomaly

GEOPHYSICS

- VLF
- IP Chargeability Anomaly (Strong to Moderate)
- IP Chargeability Anomaly (Weak)
- RH Resistivity High
- RL Resistivity Low

Grid North

Scale 1:5,000

0 250 500

(metres)

JUBILEE GOLD EXPLORATION LTD.	
LEESON-BRACKIN TOWNSHIP PROPERTY	
DATA COMPILATION MAP	
Map Datum - NAD83	Prepared By: DN
Projection - UTM Zone 17	Interpretation - WRT
Date: Revised November 2019	N.T.S. - 42B/5
Scale: 1:2,500	Survey Date:
W. Troup	Sheet No. G1