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REPORT OF A GEOSCIENCE SAMPLING PROGRAM

MORAY AU-AG-NI-CU PROPERTY

ZAVITZ-HINCKS- HUTT TOWNSHIPS

PORCUPINE AND LARDER MINING DIVISIONS

ONTARIO

Peter Hubacheck (P.Geo) – Qualified Person

September 24 2022

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Summary

In July and August 2012, SGX Resources Ltd. ("SGX") completed a trenching program consisting of 15 trenches in four areas of the Moray Property. These included Trench 1 at the location of the Fiset Showing ("Trench 1" or "SGX Trench 1") and Trench 12, northwest of the Voyager Showing and immediately east of the Voyager Showing trend ("Trench 12" or "SGX Trench 12"). During September and October of 2020, two site visits were conducted on the Property with a total of six representative grab samples taken to analyze for Gold (g/t Au). Four samples were collected from SGX Trench 1 at the Fiset Showing (Figure 1.1) and two from SGX Trench 12 (Figure 1.2). At each sample site geological observations were noted that included host lithologies, observed sulfide minerals, alteration features, structural features when present, and proximity to historical samples. Each sample location was recorded using a handheld Garmin GPS in UTM coordinates and historical sample tags were recorded.

Figure 1.1: Photograph Showing the Location of Sample 706901 from Fiset Trench 1 Sample Locations; Observer Looking West (Provincial Grid Cell – 42A03A247, Claim Number 563094)
(Source: Kilbourne, September 27, 2020)

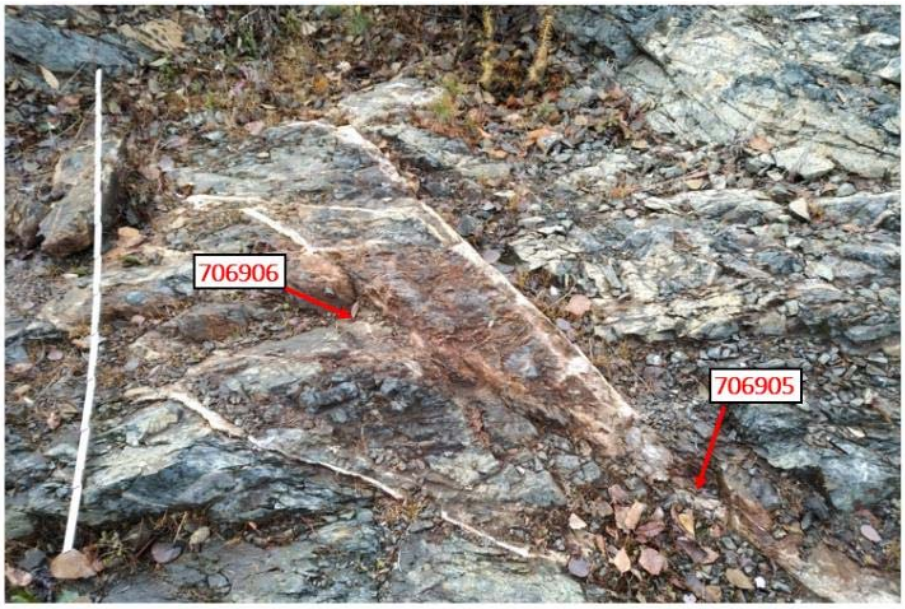


Figure 1.2: Photograph showing SGX Trench 12 Sample Locations; Observer Looking Southwest (Source: Hubacheck, October 19, 2020 – Provincial Gride Cell – 42A03A224, claim Number 563074)

The locations of Trench 1 and Trench 12 observed in the field, coincide with the locations reported in the Trenching and Prospecting Report dated September 10, 2012, prepared by SGX (Ontario Assessment Report Number 20010728). The general orientation of Trench 1 is approximately 114 degrees Azimuth. Four samples were collected (706901, 706902, 706903, and 706904) from different areas on the trench. The general orientation of Trench 12 is approximately 209 degrees Azimuth. Two samples were collected from different areas on the trench (706905 and 706906).

New Break samples 706907 to 706909 relate to the re-sampling of mineralized intervals from drillhole Z-80-5 drilled by Newmont in 1980 at the Fiset Showing and samples 706910 to 706912 relate to re-sampling of mineralized intervals from drillhole Z-80-6, drilled by Newmont in 1980 at the Voyager Showing. These samples were collected during the period of November 3 through November 7, 2020.

There were a total of 12 samples from outcrops, historic stripped areas and historic drill core.

Tenure

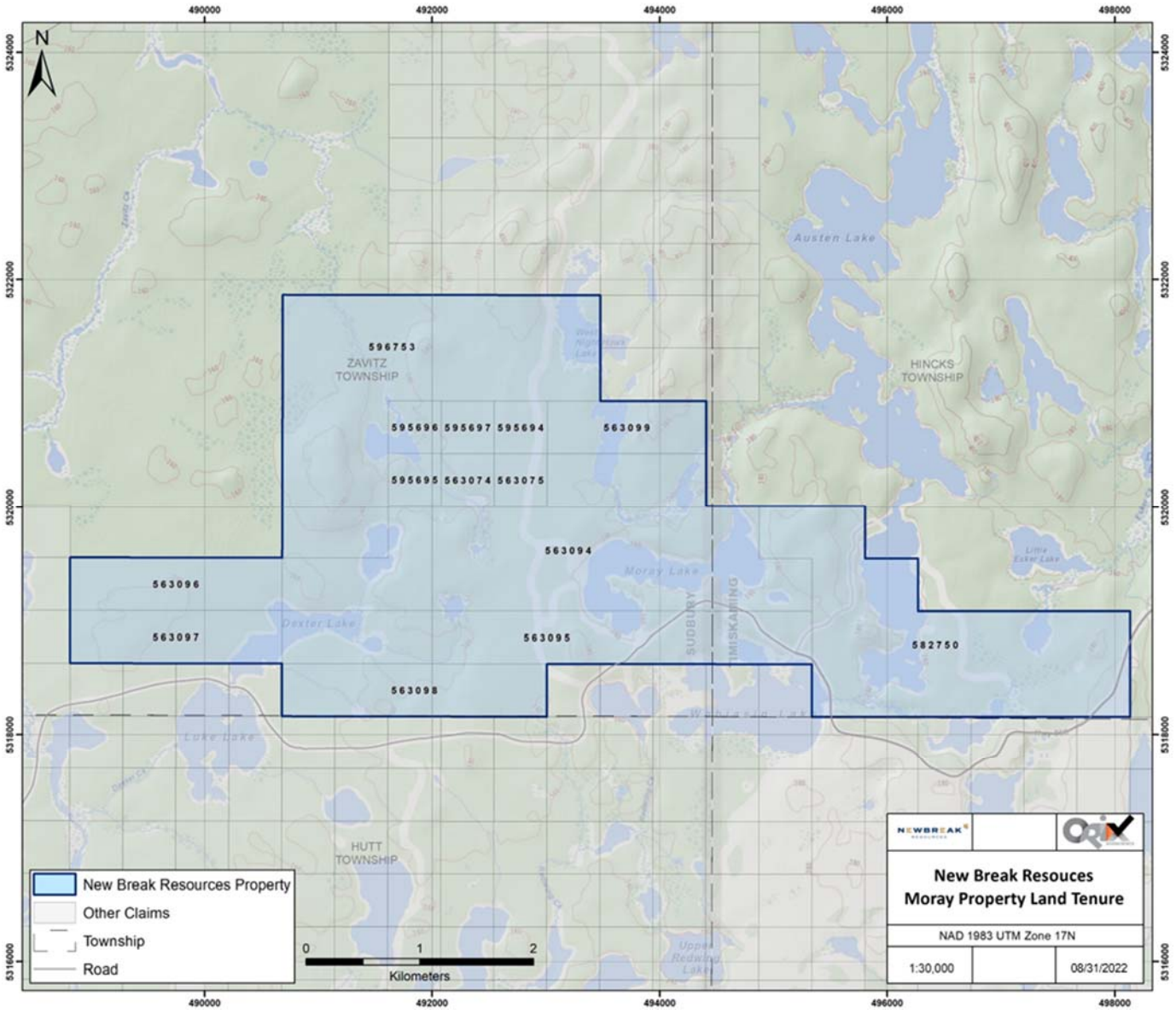


Figure 2 – Moray Property Land Tenure

Township / Area	Tenure ID	Tenure Type	Issue Date	Anniversary Date	Tenure Status	Tenure Percentage	Area	Number of Cells
ZAVITZ	596753	Multi-cell Mining Claim	2020-06-26	2023-06-26	Active	100% New Break	388.32	18
ZAVITZ	595697	Single Cell Mining Claim	2020-06-14	2023-06-14	Active	100% New Break	21.58	1
ZAVITZ	595696	Single Cell Mining Claim	2020-06-14	2023-06-14	Active	100% New Break	21.58	1
ZAVITZ	595695	Single Cell Mining Claim	2020-06-14	2023-06-14	Active	100% New Break	21.58	1
ZAVITZ	595694	Single Cell Mining Claim	2020-06-14	2023-06-14	Active	100% New Break	21.58	1
HINCKS	582750	Multi-cell Mining Claim	2020-03-26	2023-03-26	Active	100% New Break	345.31	16
ZAVITZ	563099	Multi-cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	64.72	3
HUTT,ZAVITZ	563098	Multi-cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	107.92	5
ZAVITZ	563097	Multi-cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	86.32	4
ZAVITZ	563096	Multi-cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	86.32	4
HINCKS,ZAVITZ	563095	Multi-cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	215.82	10
HINCKS,ZAVITZ	563094	Multi-cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	431.58	20
ZAVITZ	563075	Single Cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	21.58	1
ZAVITZ	563074	Single Cell Mining Claim	2019-10-31	2023-10-31	Active	100% New Break	21.58	1
						Total	**1855.79**	**86**

Table 1 - Current Land Tenure Information for the Moray Gold Property

Claim Number - Multiple Cells	Provincial Grid Cell Numbers
596753	42A03A161-166
	181-186
	201-202
	221-222
	241-242
	261-262
	281-282
	301-302
582750	42A03A250-251
	271-272
	291-296
	311-316
563094	42A03A261-270
	243-249
	226-228
563095	42A03A281-288
563096	42A03B277-280
563097	42A03B297-300
563098	42A3A301-305
563099	42A03A206-208

Table 2 – Claim Numbers – Multiple Cells

The claims lie within the candidate lands of the Matachewan First Nation and the Mattagami First Nation (the “First Nations”). New Break has engaged and consulted with First Nations communities and has completed a Memorandum of Understanding (“MOU”) as it relates to carrying out prescribed early exploration activities, as such activities are defined in the Ontario Mining Act (“Prescribed Activities”) as of October 22, 2021.

Location and Access

The Property, located in Ontario, is approximately 49 km southeast of Timmins, and approximately 31 km northwest from Matachewan (Figure 3). The nearest settlement is the town of Matachewan with a current approximate population of 225 inhabitants and located along Provincial Highway 566. The Property can be accessed by all-weather gravel logging roads south from Timmins or via Hwy 566 west from the town of Matachewan. The approximate geographic center coordinates of the Property are 48° 1' 48.4896'' N latitude and 81° 5' 36.1932'' W longitude (UTM coordinates 493038E, 5319654N, Zone 17, NAD83). The Property is within the 42 A/3 NTS Sheet within the Zavitz, Hincks and Hutt Townships.

The Property spans the southeast corner of the Zavitz Twp., the southwest corner of Hincks Twp and the north part of Hutt Twp., approximately 49 km southeast of Timmins and approximately 31 km northwest of Matachewan. The Timmins airport is one of the largest in Northern Ontario and serves as a gateway to Toronto and many northern communities.

Access to the Property is generally good, although during the winter months area roads may not be plowed regularly. The Property is accessible via several routes (Figure 3). The first route begins from Timmins' city centre exiting southwards on Pine St. for approximately 50 km where it then turns into an east-west forestry access road. This road can then be followed eastwards for approximately 15 km to the Moray Lake turnoff. An alternate route from Timmins exits south on Langmuir Rd, for approximately 60 km where it turns into a forestry access road that can then be followed eastwards for approximately 9 km to the Moray Lake turnoff. Another less travelled route starts in Matachewan where Highway 566 can be followed for approximately 30 km to the west. From there, a well used timber access road is followed for approximately 20 km further to the west of the Moray Lake turnoff on the north side of the road. Old logging roads provide access to various parts of the Property but require a 4x4 vehicle due to the rugged terrain.

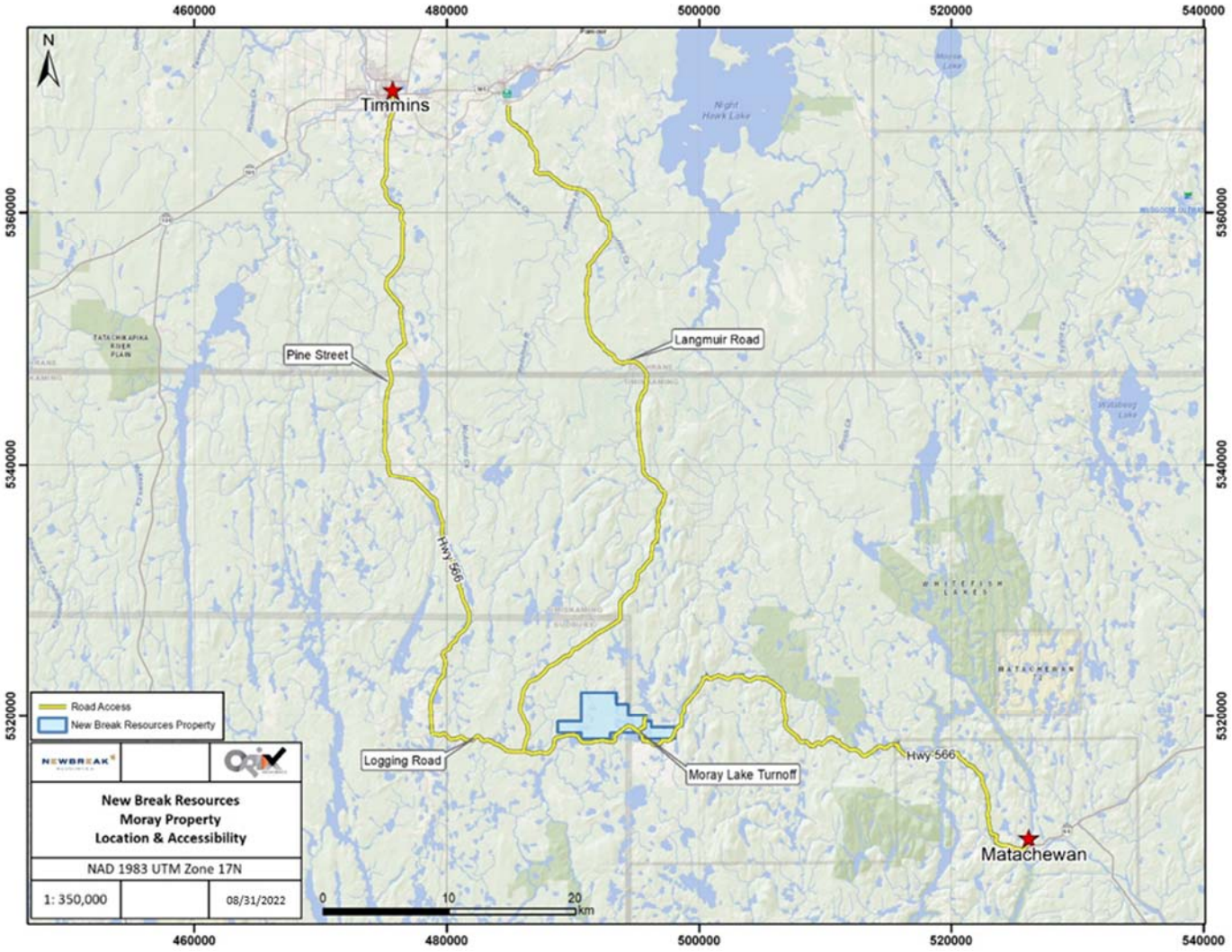


Figure 3 – Location and Access

The Property is situated approximately 64 km from railhead to the east and approximately 50 km to the north. There is a paved provincial highway approximately 46 km to the east. In the winter months, the logging roads that lead to the Property are often ploughed, although direct access roads require a 4x4 vehicle or snow machine. The expanse of the Property, measuring approximately 1,856 ha, provides ample space for the sufficiency of surface rights for mining operations, potential tailings storage areas, potential waste disposal areas and potential processing sites. A high voltage power line crosses the Matachewan Road, approximately 3.7 km west of the entrance to the Property. A compressed natural gas facility is located on Hwy. 101 east of Timmins, 56 km from the Property.

Positioned in a typical Laurentian Shield landscape, the Property displays rough forest-covered ridges and outcrops in between boulder and gravel glacial tills, as well as swampy sections, streams, and a small lake. The relief is mostly low with isolated and lithologic controlled topographic highs. Outcrop exposure is approximately 5%.

Water for drilling is readily available from small ponds and lakes located within the claim block.

Previous Exploration (refer to the "Technical Report on the Moray Property" – Hubacheck 2022- www.newbreakresources.ca)

After the discovery of gold in the Abitibi greenstone belt near Timmins in the early 1900's, the Porcupine Mining District of Ontario was established. Prospectors followed waterbodies searching for gold and base metals, but the lack of outcrops in the area made detailed exploration difficult. As a result, many deposits were overlooked (Butler, 2007). The adaptation and amelioration of airborne geophysics greatly allowed for new exploration campaigns in the Abitibi greenstone belt.

In the Matachewan area, prospecting has been carried out since the discovery of silver near Elk Lake in 1906. Jake Davidson discovered gold near Davidson Creek in 1916 on what is now part of the Young-Davidson Mine (Lovell, 1967). Situated 3 km west of Matachewan, it has been in production on and off since the 1930s, owned and operated by many different companies.

Below, is a description of the historical exploration activities that have occurred within the area of the current Property, with a summary of historical exploration activities on the Moray Gold Property, provided in Table 3.

The earliest exploration on the Property was an aeromagnetic survey that was flown in the summer of 1951 by Dominion Gulf Company over the southernmost section of the Property. Little data exists from this event, although they reported sulphides in an outcrop of rhyolite breccia which yielded a positive Nickel (Ni) result (OMDI).

Between 1964 to 1965 Voyager and Silvermaque Mining Ltd. conducted a vertical loop electromagnetic ("EM") and magnetometer survey over parts of the northwestern claims of the present Property. These surveys were purported to cover a massive sulfide zone discovered during logging operations. The geophysical results indicated a conductor which was then explored with six shallow diamond dill holes completed in the centre of the Property (V-1 to V-6) totalling 433.27 metres on the Voyager Showing. Both massive and disseminated pyrrhotite and pyrite mineralization were identified, with some copper mineralization. Drill hole V-2 intersected 13.70 m of 1-2% disseminated pyrite and pyrrhotite in felsic breccia with a 1.22 m massive pyrite-pyrrhotite interval grading 11.31 g/t Au and 0.46% Cu. Drill hole V-4 intersected 1.46 m of massive pyrite and pyrrhotite which graded 1.03 g/t Au and 0.91% Cu (AFRI: 42A03SE0187). Drilling results indicated the sulfide zone dips to the northeast.

From 1964 to 1965, Noranda Exploration Company Ltd. ("Noranda") completed a line-cutting and geophysical program including ground magnetometer surveys over parts of the present Property. Targets provided by these surveys were subsequently drilled in 1965 encompassing a drilling program that included seven drill holes located in the middle of the Property (NOR-1 to NOR-5, NOR-7 and NOR-8) totalling 808.48 m (AFRI: 42A03SE0118). Some copper mineralization was encountered together with graphite, pyrrhotite, and pyrite. Drill hole NOR-8 located intersected 5 m of massive pyrite, cross-cut by quartz-carbonate veining, returning 69.38 g/t Ag (OMDI). Drill hole NOR-1 intersected tuff breccias containing disseminated pyrite, chalcopyrite, and pyrrhotite, with a narrow quartz-carbonate stringer containing slight pyrite that assayed 5.63 g/t Au (OMDI). It should be noted that the NOR-8 and NOR-1 assay numbers quoted in the ODMI records cannot be verified by the underlying drill logs which did not disclose any assay results. Various parties contacted the Timmins and Kirkland Lake Resident Geologist

offices to point out the discrepancy. The offices were unable to locate any corroborating information to validate the disclosure in the OMDI records.

In 1973 Pan Ore Gold Mines Ltd. ("Pan Ore") completed a ground EM and magnetometer survey on a group of 24 claims in Zavitz and Hincks Twp.'s. A geological survey was conducted in conjunction with the geophysical survey over the northeast portion of the current Property. Outcrops located were reported as few and small and further drilling was suggested. Beginning in December 1973 and continuing into January 1974, Pan-Ore conducted an IP survey on the western part of the Property, including the Fiset and Voyager showing, to define the extent of the mineralization. An anomalous zone was identified, and drill holes were recommended to test anomalies. In the spring of 1974, Pan Ore drilled three holes (PO-1 to PO-3) on the Property totalling 306.30 metres, to test the geophysical anomalies (AFRI: 42A03SE0175). Only some assays were reported, including drill hole PO-2 that intersected 0.24% Ni over 6.5 ft in a contact between a rhyolite breccia and serpentinite and 0.21% Ni over 2 ft in serpentinite with no reported sulphides (OMDI).

Geological mapping and detailed EM and magnetometer surveys were completed in 1974 by Falconbridge Nickel Mines Ltd. ("Falconbridge") on two groups in the northeast corner of the Property. In late October 1974, Granges Exploration AB Canada Division ("Granges Exploration") drilled one 46.33 m diamond drill hole (HUT-35) in the southeastern area of the Property. Assays from this hole reported no significant grades.

Two blocks of claims in the southeastern portion of the Zavitz township were optioned from Ralph Allerston to Gulf Minerals Canada Ltd. in 1975. Exploratory drilling to test the Falconbridge geophysical anomalies resulted in five diamond drill holes (Z-1, Z-2, Z-4, Z-7, and Z-9) being completed on the present Property totalling 876.30 m (AFRI: 42A03SE8422). Occurrence grade nickel intercepts were cut in four widely spaced drill holes all located to the south and west of Moray Lake. Drill hole Z-1 cut a sequence of felsic metavolcanics and graphitic argillites intruded by serpentinized ultramafic rock assaying 0.19 % Ni and 0.24 % Ni, both over 1 ft sections. Drill hole Z-2 intercepted an approximately 80 ft section that averaged 0.19 % Ni in a highly crushed and brecciated zone consisting of friable material with abundant oxide stain (OMDI). Drill hole Z-4 intersected 0.23 % Ni in serpentinized ultramafic rock.

Rio Tinto Canadian Exploration Ltd. ("Rio Tinto") optioned the Pan Ore Property in 1975 and completed six diamond drill holes (P-1 to P-6) totalling 1,170.44 m. Three holes (P-1 to P-3) were drilled on EM anomalies in the Voyager showing area and the other three (P-4 to P-6) we drilled on EM anomalies located north of the Fiset showing. Drill hole P-3, the only to return any significant assay values, intersected 1.42 g/t Au over 1.52 m in altered and quartz-veined felsic volcanic (AFRI: 42A03SE0173).

In the summer of 1976 Rio Tinto completed another drilling program comprised of eight drill holes (R-76-1 to R-76-3 and R-76-5 to R-76-9) totalling 1,530.7 m (AFRI: 42A03SE0174). These holes were drilled to test sulfide showings, the magnetic anomaly and eastward strike extension, and to locate and test the contacts of the ultramafic rocks. Only one assay sample was recorded from hole R-76-6. The mineralization intersected in drill holes 1, 2 and 3 established the Ontario MDI showing for primary Zn and secondary Pb and Cu on the Property.

Then in 1977 Rio Tinto completed a five-hole (R-10, R-11, R-12, RZ-1, RZ-2) diamond drilling program totalling 1,176.84 m to locate and test the lower contact of the ultramafic body and to test the magnetic and horizontal loop electromagnetic ("HLEM") anomalies (AFRI: 42A03SE0176). Although no assays

were recorded, the location for the Rio Tinto-R&R Ni occurrence is the approximate collar of drill hole 8 that was reported to intersect 0.11% Ni over 10 ft in serpentinized dunite (OMDI).

Newmont Exploration Canada Ltd. ("Newmont") carried out extensive ground magnetometer and Very Low-Frequency ("VLF") surveys between October 1979 and April 1980 in order to augment geological mapping. The surveys were successful in outlining magnetic anomalies related to stratigraphic units and indicated areas of probable syenite intrusive. Newmont then completed seven diamond drill holes (Z-80-1 TO Z-80-7) between July and August of 1980 totalling 1,422.4 m. Holes Z-80-1 to Z-80-4 were drilled near the Noranda gold and silver occurrence located at the western end of Moray Lake. Hole Z-80-5 was drilled below the Fiset gold showing and intersected mafic porphyritic syenite cut by 1 % 2-60 cm quartz veins containing pyrite, galena, and chalcopyrite (OMDI). Holes Z-80-6 and Z-80-7 were drilled on combined IP-EM anomalies in the Voyager Showing area. Hole Z-80-6 intersected mafic volcanics including a 1.2 m semi-massive pyrite zone with 5% pyrrhotite and chalcopyrite followed by 76.0 m of 15% pyrite-pyrrhotite. Hole Z-80-7 intersected several graphitic argillite horizons withing mafic volcanics and up to 5% disseminated sulfides were reported interspersed between narrower sections with up to 20% sulfides (AFRI: 42A03SE0167 &42A03SE0304). These holes were reportedly sampled but no assays were recorded.

The Allerston Zavitz Property was acquired by 635540 Ontario Inc. in November 1986. A drilling program consisting of three diamond drill holes (AZ-85-1 to AZ-85-3), totalling 483.40 m, was completed in December 1986. Hole AZ-85-1 intersected anomalous gold values of an average 0.17 g/t over 8.32 m in a pyritic brick red syenite, resembling the syenite at the Young-Davidson Mine (AFRI: 42A03SE0101) as well as occurrence grade zinc mineralization in graphitic sulphide zones (OMDI).

TBS Resource Developers Inc. conducted an extensive ground geophysical program in 1989 including line-cutting, total-field magnetics, EM, max-min and IP, and electromagnetic surveying. Following that, a mapping and prospecting survey was performed in the summer located in the southeast corner of the Zavitz township and the southwest corner of the Hincks township. This included a detailed geological mapping and prospecting survey with overburden stripping and channel sampling. A total of 21 grab samples were taken. Gold was not returned in any of the samples. The only silver value returned was 0.4 g/t Ag from a sample taken from a sulfide trench which also returned the highest copper and nickel assays of 0.0774% Ni and 0.0134% Ni, respectively (AFRI: 42A03SE0154).

In early 1992 R. Lashbrook conducted line-cutting, ground magnetic and EM surveys over the Moray Lake grid. Following the geophysical results, a mapping, prospecting and humus sampling program was carried out over selected areas. A total of 86 humus samples were collected and analysed. The highest gold value returned was 1.08 g/t Au in brecciated vein material (ARFI: 42A0SE0016). Prospecting discoveries included pyrrhotite, pyrite, and chalcopyrite.

In 1992, Inco Exploration and Technical Services Inc. ("Inco") conducted a program spanning the southernmost portion of the Property in the Zavitz and Hincks Twps. This program consisted of line-cutting, geological mapping, and lithogeochemical sampling to attempt to uncover potential massive sulfide horizons. A total of 193 rock samples were collected, however there were no significant assay values to report (AFRI: 20000005004).

During 1994, N. Boa conducted a ground geophysical program including line-cutting, EM and magnetic surveying over the southwestern area of the Property. In addition, in 1994 R. Lashbrook conducted a 5-

day prospecting program as well as a ground geophysical program in consisting of line-cutting, EM and magnetic surveying over the north of the Moray Lake grid.

In 1995, Inco surveyed the southernmost portion of the Property using ground EM and magnetometer methods.

In 1997, M. A Tremblay completed prospecting and resampling at the Fiset occurrence and reported assay results of 13.20 g/t Au and 3.60 g/t Au from quartz and 0.02 g/t Au and 0.18 g/t Au from altered syenite (OMDI).

In 1998, R. Lashbrook conducted a VLF-EM survey over a total of 11.3 km, centered on the Voyager Showing. Three major conductors were located. That same year, in the westernmost limb of the Property, Inmet Mining Corp. drilled two holes on the Property (MAT-03 and MAT-04) totalling 479.2 m (AFRI: 42A03SE2008). The holes were targeted based on a previously identified combined chargeability and resistivity anomaly but did not yield any exceptional gold results.

In 1998, Moss Resources Inc. ("Moss") collected seven rock samples from the Moray Lake grid on two small outcrops. Nickel values ranged from 0.068% Ni to 0.082% Ni (Chartré, 1998) establishing the Moss-Tremblay Showing (OMDI). Magnetic and VLF-EM surveys were also completed by Moss in 1999 with a total of 31.01 km of grid established. In addition, Moss drilled three holes (Z-98-1 to Z-98-3) on the Property in 1999 for a total of 284.00 m to test VLF-EM conductors. No significant gold mineralization was intersected. The VFL-EM conductors were found to be caused by disseminated pyrite in the metavolcanics, graphite in the metasediments, and overburden or topographic effects (AFRI: 42A03SE2019).

Claim Lake Resources Inc. ("Claim Lake") completed an IP survey in 1999 over 20.1 line-km. A program consisting of line-cutting, ground magnetics and VLF surveying on part of the Zavitz Twp. was conducted in 2002 on the Property owned by Claim Lake. Mapping and prospecting were also part of the program, which included locating five historical diamond drill collars drilled by Rio Tinto in 1976 and 1977.

In 2004, Claim Lake completed a ground magnetometer survey over a total of 20.1 km on the southeastern portion of the Property. The same year, Falconbridge carried out line-cutting and ground HLEM and magnetic surveying on the western portion of the Property.

A three-day program of outcrop stripping and cleaning was performed in June 2005. During geological mapping and prospecting, Claim Lake discovered a core storage area from the 1976 Rio Tinto drilling. Portions of holes were relogged and seven samples were taken from four different holes (R-76-2, R-76-5, R-76-6, and R-76-7). Good correlation was determined when the re-logging results were compared with the same intervals (AFRI: 20000014977). In 2006, another mechanical outcrop stripping and mapping program was conducted on the Property, wherein disseminated to massive sulfides were uncovered (AFRI: 20000001461).

Between 2006 to 2007, Claim Lake Nickel Inc. ("Claim Lake Ni") completed line cutting as well as ground EM and magnetometer surveys on the central and south-western portions of the Property to aid in mapping and pinpointing structural features.

Between 2008 and 2010, Claim Lake Ni performed line-cutting ground VLF-EM and magnetometer surveys, stripping, blasting and sampling over the Fiset Gold showing. Twelve grab samples were collected from the Zavitz and Hincks Twps. There were no significant gold values to report.

SGX Resources Inc. ("SGX") performed prospecting and trenching programs during the summer of 2012. The highest assays returned included Trench 12, immediately east of the Voyager Showing, grading 21.80 g/t Au in mafic volcanics, Trench 1 at the Fiset showing, grading 2.47 g/t Au in syenite intrusive rocks, and Trench 15, grading 2.17 g/t Au in mafic volcanics (Salo, 2012). During the fall, line cutting and ground geophysical surveying was completed including magnetic, VLF and IP methods. Results from the surveys identified numerous anomalies, several were followed up with five diamond drill holes totalling 776.00 m. ML12-04 and ML12-05 were collared west of the historical Fiset Showing in the main syenite intrusive, while the other three holes (ML12-01, ML12-02 and ML12-03) were drilled in the vicinity of the historical Voyager massive sulfide trend (SGX, 2013). Results indicate the presence of erratically distributed anomalous gold throughout several drill holes. Weak gold values were returned from holes ML12-04 and ML12-05, that were collared west of the historical Fiset Showing in the main syenite intrusive. Holes ML12-01, ML12-02 and ML12-03 returned higher grades and were drilled near the historical Voyager Showing. ML12-02 returned 1.37 g/t Au over 1.50 m in mafic volcanics with 4-5% pyrite. ML12-01 returned 2.00 g/t Au over 1.00 m and 2.47 g/t Au over 1.50 m, both in mafic volcanics (AFRI: 20000008083).

A prospecting program was carried out to investigate the northeast part of the Property in June 2015 by Jacques Robert, Randall Salo and Shelly Moretti. Eight grab samples were analyzed for gold. Results include a quartz carbonate float rock that assayed 1.53 g/t Au (AFRI: 20000014467).

Year	Company	Type	Description
1951	Dominion Gulf Co.	GPHY	Aeromagnetic Surveys
1964-1965	Voyager Exploration Ltd. & Silvermaque Mining Ltd	GPHY, DH	VLF-EM and magnetic surveys, 6 DDH completed
1964-1965	Noranda Exploration Co. Ltd.	GPHY, DH	Line-cutting, magnetic survey, 7 DDH completed
1973-1974	Pan Ore Gold Mines Ltd.	GPHY, DH	IP, EM and magnetic surveys, geo mapping, 3 DDH completed
1974	Falconbridge Nickel Mines Ltd. and Granges Exploration	GPHY, DH	IP, EM and magnetic surveys, airborne EM, 1 DDH completed
1975	Gulf Minerals Canada Ltd.	GEO, DH	geo mapping, 5 DDH completed,
1975-1977	Rio Tinto Canadian Exploration Ltd.	DH	Completed 19 DDH
1979-1980	Newmont Exploration Canada Ltd.	GPHY, DH,	Line-cutting, magnetic and VLF surveys, 7 DDH completed
1986	635540 Ontario Inc.	DH	3 DDH completed
1989	TBS Resource Developers Inc.	GPHY, GEO	Line cutting, TF magnetic, IP, VLF-EM, Max-Min and IP surveys; geo mapping and lithogeo sampling
1992	R. Lashbrook	GPHY, GEO	Line-cutting, EM and magnetic surveys, geological mapping, lithogeo and humus sampling
1992	Inco Ltd.	GEO	Line-cutting, geo surveying and mapping, lithogeo sampling
1994	N. Boa and R. Lashbrook	GPHY, GEO	Line-cutting, magnetic and VLF-EM surveys, prospecting
1995	Inco Exploration and Technical Services Inc.	GPHY	Magnetic and HLEM surveys
1997	M.A. Tremblay	GEO	Prospecting and resampling
1998	Inmet Mining Corp., R. Lashbrook	GPHY, DH	Line-cutting, VLF-EM surveys, 2 DDH completed
1999	Moss Resources Inc.	GPHY, DH	Lithogeo sampling, 3 DDH completed
1999-2002	Claim Lake Resources Inc.	GPHY, GEO	Line-cutting, magnetic, EM, IP, VLF-EM surveys, mapping and prospecting
2004	Claim Lake Resources Inc., Falconbridge Ltd.	GPHY	Line-cutting, magnetic and HLEM surveys
2005-2006	Claim Lake Resources Inc.	GEO	Mapping, prospecting, re-logging and re-sampling, outcrop stripping
2006-2007	Claim Lake Nickel Inc.	GPHY	Line-cutting, magnetic survey
2008-2010	Claim Lake Nickel Inc.	GEO, GPHY	Reconnaissance mapping, stripping, blasting, sampling, line-cutting, VLF-EM and magnetic surveys
2012	SGX Resources Inc.	GEO, GPHY, DH	Prospecting, trenching, line-cutting, magnetic, VLF and IP surveys, 5 DDH completed, airborne EM and magnetic surveys
2015	R. Salo, J. Robert and S. Moretti	GEO	Sampling and prospecting

Table 3: Summary of Historical Exploration Activities on the Moray Gold Property

Regional Geology (refer to the "Technical Report on the Moray Property" – Hubacheck 2022- www.newbreakresources.ca)

The Moray Property is underlain by Archean volcanic tectono-stratigraphy flanking the eastern and northern flanks of the Bartlett Dome and Halliday Dome, respectfully. Chronological dating from the oldest to youngest formations, as shown on Figure 4.1, are summarized as follows: the Peterlong Lake and the Bartlett formations within the 2734–2724 Ma volcanic episode (Deloro); the Halliday and Montrose formations within the 2720–2710 Ma volcanic episode (Kidd–Munro); the newly defined Little Night Hawk and Canoeshed formations and the Geikie formation within the 2710–2704 Ma volcanic episode (Tisdale); and finally, the sediment-dominated Midlothian formation in the Halliday Dome that is temporally equivalent to the Porcupine-type basins (2690–2682 Ma)

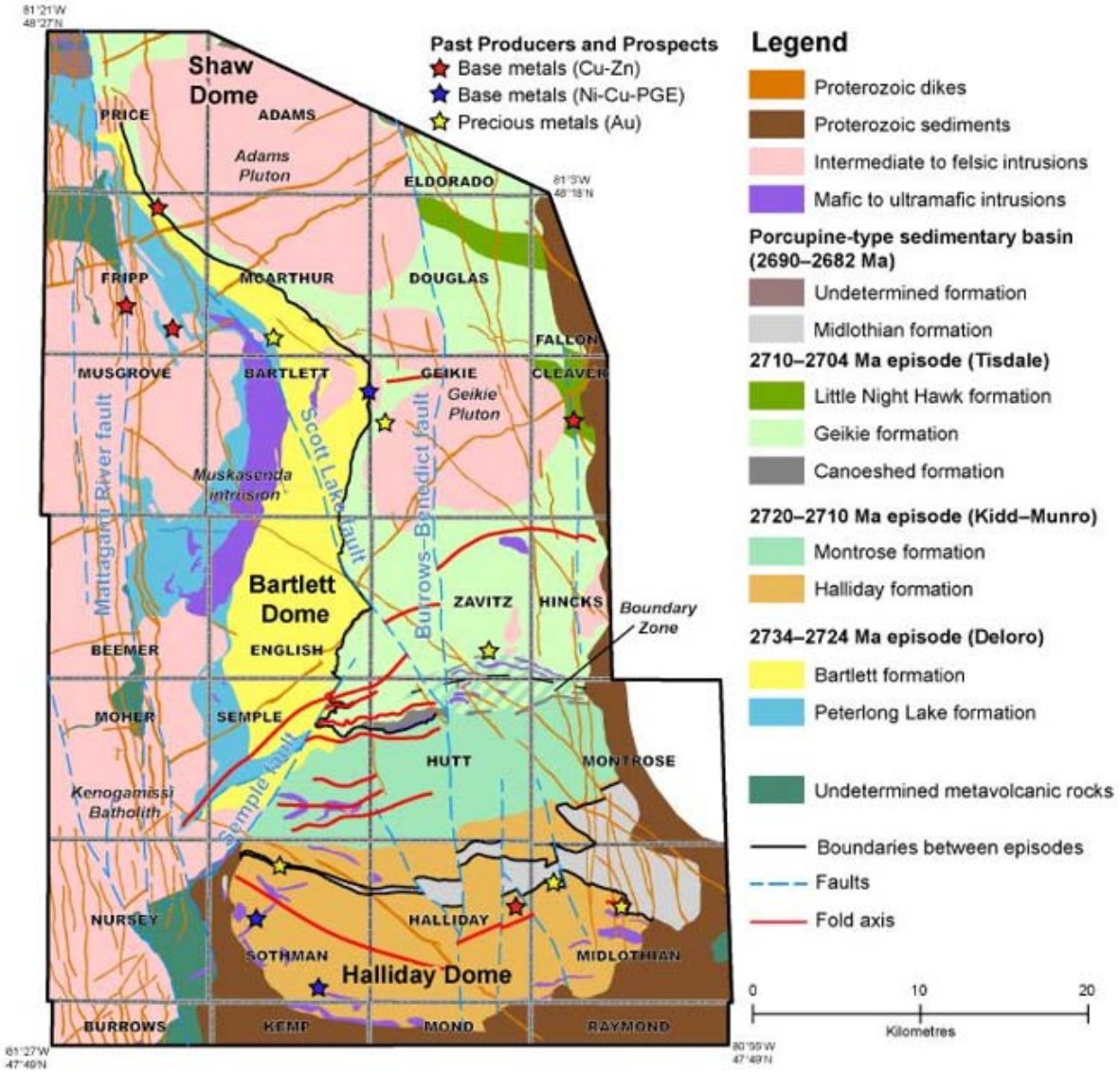


Figure 4.1: Regional Geology Map of the Shaw – Bartlett – Halliday Domes – Source: Ayer et al.;2005

Figure 4.1 depicts the Bartlett and Halliday domes are further broken down into volcanic- and sediment-dominated episodes (assemblages) and formations. The green hatched pattern at the Zavitz – Hutt Township boundary represents the "boundary zone" between the 2720–2710 Ma volcanic episode (Kidd–Munro) and the 2710–2704 Ma volcanic episode (Tisdale). South of the Geikie Pluton, the Tisdale and Kidd-Munro Formations are exposed in a broad synclinorium – anticlinorium complex with north-easterly trending fold axes which have been truncated by the cross-cutting Scott Lake Fault and the Burrows – Benedict fault.

The TGI 3 – 2019 compilation identifies the "boundary zone" as the transition between the 2720–2710 Ma (Kidd–Munro) and 2710–2704 (Tisdale) volcanic episodes which is located at the edge of Zavitz and Hutt Twp. This key deformation zone passes through the Property based on geophysical interpretation**.** It is composed mainly of intermediate to felsic (calc-alkalic affinity) metavolcanic rocks with minor ultramafic (komatiitic) rocks, mafic (tholeiitic affinity) flows and clastic to chemical metasedimentary rocks. The intermediate to felsic rocks are composed of massive flows as well as tuff and tuff breccias. Portions of those ultramafic rocks are interpreted as komatiitic intrusions.

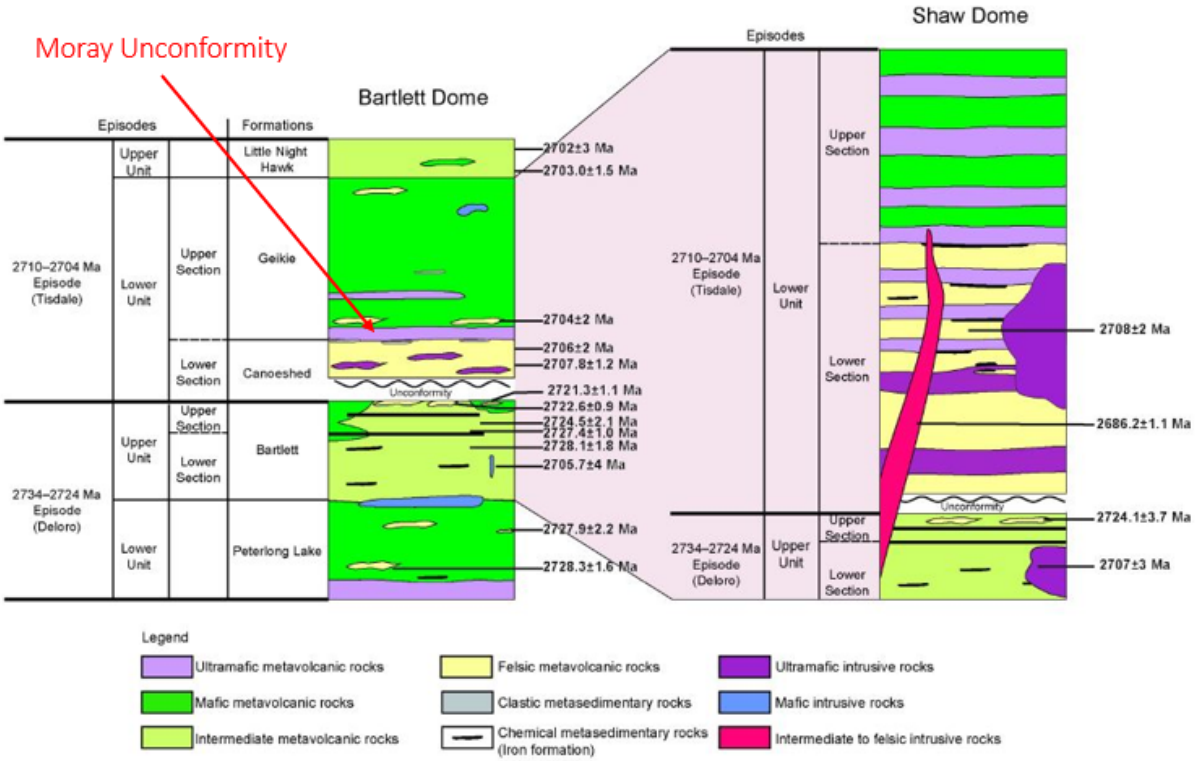


Figure 4.2 : Comparison of Stratigraphy from the Bartlett and Shaw Domes
(Modified from TGI-3: Bleeker, 2019)

Figure 4.2 depicts overlying the 2734–2724 Ma volcanic episode (Deloro) rocks of the Bartlett Dome and younger rocks of the 2710–2704 Ma volcanic episode (Tisdale). The Bartlett Dome is interpreted to be composed of both the lower unit and upper unit of this episode. The lower section of the lower unit (Canoeshed formation) of the 2710–2704 Ma volcanic episode (Tisdale), resides within the Bartlett

Dome. This section is similar to the lower section in the Shaw Dome. The upper section of the lower unit (Geikie formation) of the 2710–2704 Ma (Tisdale) locally directly overlies rocks of the 2734–2724 Ma volcanic episode (Deloro). The major difference with the Shaw Dome for this section is the amount of ultramafic volcanism; although present in the Bartlett Dome, it is more limited than in the Shaw Dome. The Canoeshed formation (2708–2706 Ma} is exposed only at the intersection between the Montrose and Geikie formations in the "Boundary Zone". It is composed of calc-alkalic intermediate metavolcanic rocks and clastic metasedimentary rocks. On the Property, the boundary between these two formations may be an unconformity, possibly an expression of the CLF . The QP has positioned the "Moray Unconformity" in Zavitz Twp. With the red arrow on figure 4.3.

The intermediate to felsic intrusions affecting the Shaw Dome area dated at 2686 Ma., which is similar in age to the syenite intrusions at the Young – Davidson Deposit dated at 2680 – 2672 Ma**.** This observation has important implications for gold mineralization on the Property as indicated by the Fiset gold occurrence flanking a syenite intrusion.

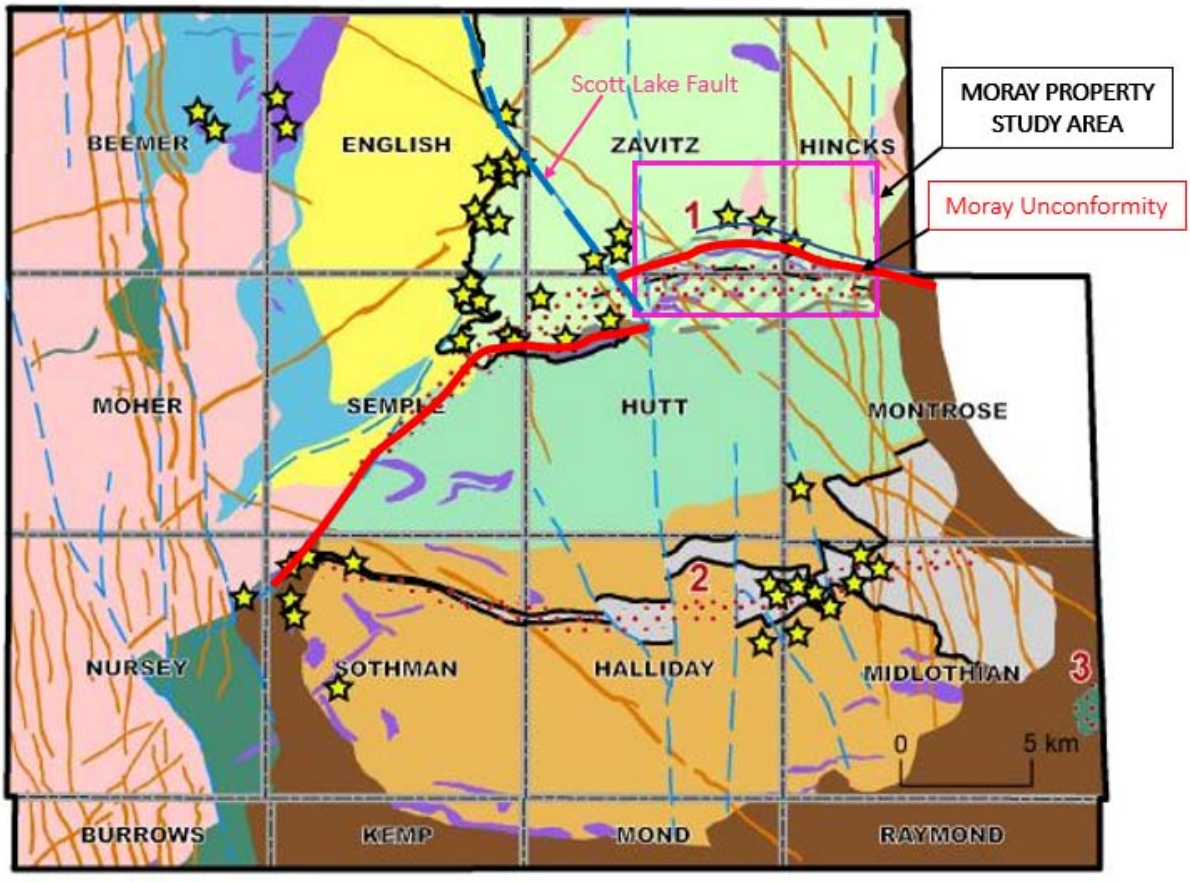


Figure 4.3: Bartlett and Halliday Domes Showing Extensions of CLFZ
(Modified from TGI-3: Bleeker, 2019)

Property Geology

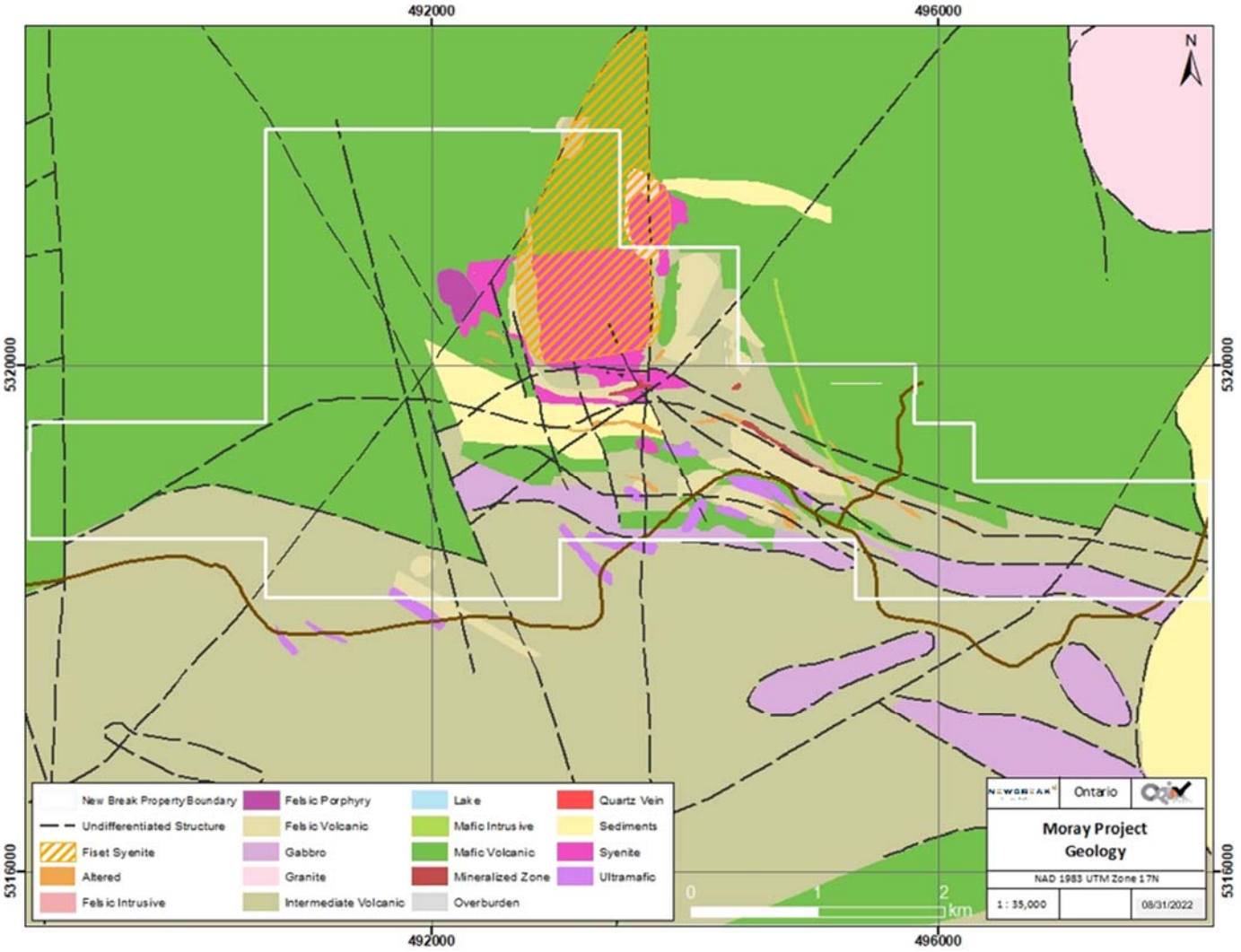


Figure 5 – Property Geology

The geology of the Moray property comprises from south to north of intermediate volcanics, a series of ultramafic flows and intrusives, felsic tuffs and breccias, the Fiset syenite and pillowed mafic flows in the north. The property is transected by northwest – southeast faults which are postulated to be part of the "Moray Unconformity" as referenced in the section "Regional Geology" (page 16) and Hubacheck 2022.

Three northeast trending 2nd order structures show classic splay fault geometry of 35 to 40 degree offset on the north side of the postulated CLFZ. These orientations are conducive to high strain fault zones hosting shear vein gold systems. Three north to northwest trending 2nd order structures cross-cutting these structures. The Fiset Syenite appears to be fault bounded on each side of the intrusion which is important for remobilization of gold into dilatant fault structures. An important observation at the Fiset Syenite intrusion is that a pronounced contrast in magnetic susceptibility exists between unaltered mafic syenite (high readings) and silicified, hematized, pyritized quartz stockwork (low readings). (Hubacheck, 2022)

Deposit Types (refer to Hubacheck 2022)

SYENITE INTRUSION HOSTED GOLD MINERALIZATION

The Young-Davidson gold deposit is situated within the southwestern part of the CLFZ of the Abitibi Greenstone Belt, 4 km northwest of Matachewan. A wide spectrum of mafic to felsic, pre-tectonic, syn-tectonic and post-tectonic intrusive rocks are present. All lithologies are cut by late, generally northeast-trending, Proterozoic diabase dikes. Most of the gold mineralization at Young-Davidson is associated with syenite intrusive rock. Within this syenite, gold mineralization is associated with a stockwork of quartz veinlets and narrow quartz veins, rarely greater than a few centimetres thick, that are within a broader halo of disseminated pyrite and potassic alteration. Mineralization is known to extend beyond 1,500 m below surface and the orebody remains open at depth. The Fiset Showing is hosted in an auriferous syenite intrusion hosted in a similar geological and structural setting as the Young-Davidson deposit with respect to the CLFZ.

KOMATIITE-ASSOCIATED NICKEL-COPPER-PGE MINERALIZATION

The Discover Abitibi Initiative (2005) describes several nickel-copper ("Ni-Cu") and platinum group element ("PGE") mineral occurrences including the Redstone Mine and Hart prospect. This mineralization is mainly associated with extrusive and/or intrusive ultramafic rocks. The most prospective Ni-Cu-PGE mineralization type in the Shaw Dome area is the stratiform basal and/or footwall consisting of massive to disseminated sulfide mineralization occurring at or near the base of the peridotitic or dunitic komatiite units. Sulfide minerals at these occurrences include pyrrhotite, pentlandite, chalcopyrite, pyrite ± millerite, gersdorffite and violarite. A close spatial relationship between sulfide-bearing iron formation and ultramafic rocks is present at all significant Ni-Cu-PGE mineral occurrences in the Shaw Dome area. The combination of abundant olivine cumulates (i.e., high magma flux) and its proximity to sulfide-bearing iron formation (i.e., a sulphur source) results in high exploration potential for komatiite-associated Ni-Cu-PGE deposits. The Ni-Cu-PGE potential of the Bartlett Dome is proven by the past-producing Texmont Mine (occurrence Ni-Cu-PGE). This mineralization has been found only in the Kidd / Munro and Tisdale assemblages.

As a result of the TGI-3 (2019) compilation, the Halliday Dome is now interpreted to be part of the 2720–2710 Ma volcanic episode (Kidd–Munro) rather than the 2710–2704 Ma volcanic episode (Tisdale). However, this reinterpretation does not change the Ni-Cu-PGE potential of the Halliday Dome including the "boundary zone" on the Property map area.

SHEAR ZONE HOSTED GOLD ALONG CLFZ AND ASSOCIATED SPLAY FAULTS

As discussed on page 16, the preferred interpretation for the deformation zone (Moray Unconformity), or a splay of the deformation zone, passes through the boundary zone (*see* Figure 7), where deformation is intense and the alteration is characterised by iron-carbonate, green mica, chlorite, sericite and hematite. Another example is the Upper Canada Deformation Zone which is interpreted as a splay of the CLFZ, and as both structures are syn-D2, they were likely hydraulically connected during the introduction of gold-bearing fluids along these structures.

COPPER – ZINC VMS DEPOSITS

The TGI-3 (2019) compilation reports newly identified 2720–2710 Ma volcanic episode (Kidd–Munro) in the Halliday Dome which brings new potential for volcanogenic massive sulfide mineralization in this area. This volcanic episode is renowned for not only the world-class Kidd Creek Cu-Zn mine, but also several smaller mines (Potter Mine) and deposits (Cross Lake). On the Moray Property, The Montrose Formation (2714–2711 Ma) is dominantly composed of tholeiitic to transitional affinity mafic fragmental facies (hyaloclastite and pillow breccia), flows with minor pillowed and massive flows intercalated with minor tholeiitic to transitional intermediate to felsic rock and a northern calc-alkalic–dominated affinity intermediate volcaniclastic rock. These assemblages are part of the calc-alkalic sub-unit in the 2720–2710 Ma volcanic episode (Kidd–Munro) and indicate that these rocks also have potential to host volcanogenic massive sulfide-style mineralization.

Geoscience Sampling Program – September – November 2020

The Geoscience sampling program began on September 20, 2020 with Mr. Love checking access into the Moray project from the east along the Matachewan Road to km 46.5 and south from Timmins down Pine Street south to Km 50.2 and then west on the Matachewan Road to km 46.5. Mr. Love located and examined SGX Resources Trench 3 located at 493478E, 5319770N (NAD 83, Zone 17). Trench 3 is characterized by syenite intrusive rocks with intense silicification.

Mr. Love and Mr. Kilbourne (P.Geo) visited the property on September 27, 2020. The party located SGX Resources Trench 1 located at 493495E, 5319915N (NAD 83, Zone 17)

Trench 1 is dominated by syenite intrusive rocks. Three different phases occur within the stripped area: hornblende syenite, feldspar porphyritic hornblende syenite, and mafic syenite. Other phase variations are present where silicification, hematization and carbonatization have altered the protolith syenite host rocks. A main quartz vein occurs in the southern part of the trenched area striking 58-60 degrees, dipping sub-vertical to steeply south and reaching a maximum width of 1 m at the eastern extent. Magnetic susceptibility measurements were recorded from the silicified and hematized alteration varying from 1.5 to 2.5. (Figure 12.1.2). Unaltered mafic syenite hosting surrounding the quartz stockwork veining have magnetic susceptibilities ranging from 5.5 to 8.5 (Figure 12.1.3). The vein persists for 25 m to the southwest where it pinches out within a low-lying water-filled area.

Sample No.	UTM Easting	UTM Northing	AA (g/t Au)	Comments
Fiset--Trench 1 Site Visit Grab Sample Results				
706901	493511	5319909	0.297	Silcified moderately hematitic quartz veined syenite, rare pyrite
706902	493500	5319904	0.119	Silcified weakly mafic syenite, moderately hematized, rare pyrite
706903	493487	5319920	0.48	Intensely hematized brick red syenite with 2-3% disseminated pyrite
706904	493489	5319916	0.215	Moderately hematized & silcified syenite, minor quartz veinlets, rare pyrite
Voyager--Trench 12 Site Visit Grab Sample Results				
706905	492555	5320214	2.42	Sheared quartz-carbonate veining in mafic volcanics, pyrite up to 10% Taken in the vicinity where V-1 was collared
706906	492557	5320210	1.02	Sheared quartz-carbonate veining in mafic volcanics; silicified with weak hematite alteration, pyrite up to 10%. Taken in the vicinity where V-2 was

UTM coordinates NAD83 Zone 17

Table 4 : Grab Sample Results from the 2020 Site Visits (Fist Trench 1 – Provincial Cell 42A03A247, Claim Number 563094, Trench 12 – Provincial Cell Number 42A03A224, Claim Number 563074)

Figure 6.1: Mike Kilbourne, P. Geo, Visiting the Fiset Area on September 27, 2020
(Source: Kilbourne, September 27, 2020 Provincial Cell 42A03A247 – claim Number 563094)

Figure 6.2 Example of Verified Sample Location from Fiset Showing Site Visit, September 27, 2020
(Source: Kilbourne, September 27, 2020 – Provincial Grid 42A03A247, Claim Number 563074)

Figure 6.3: Fiset Trench 1 – Site of Sample: 706902
(Source: Hubacheck, October 19, 2020 – Provincial Cell Number 42A03A247, Claim Number 563094)

Much of the stripped syenite subcrop contains interstitial fine-grained pyrite cubes in close proximity to the hornblende/mafic mineral grains. These cubes often have reacted surfaces and appear "cooked". In the northern part of the trench secondary pyrite mineralization occurs spatially associated with NNW trending weak faults/shears. Pyrite, chalcopyrite and specular hematite mineralization is observed

within and contacting the main quartz vein. The three best gold assays reported from SGX's 2012 trenching program occur along 20 meters of the main vein: samples 174503 (2.10 g/t Au), 174516 (1.77 g/t Au), and 174518 (1.02 g/t Au).

An important observation is that a pronounced contrast in magnetic susceptibility exists between unaltered mafic syenite (high readings) and silicified, hematized, pyritized quartz stockwork (low readings).

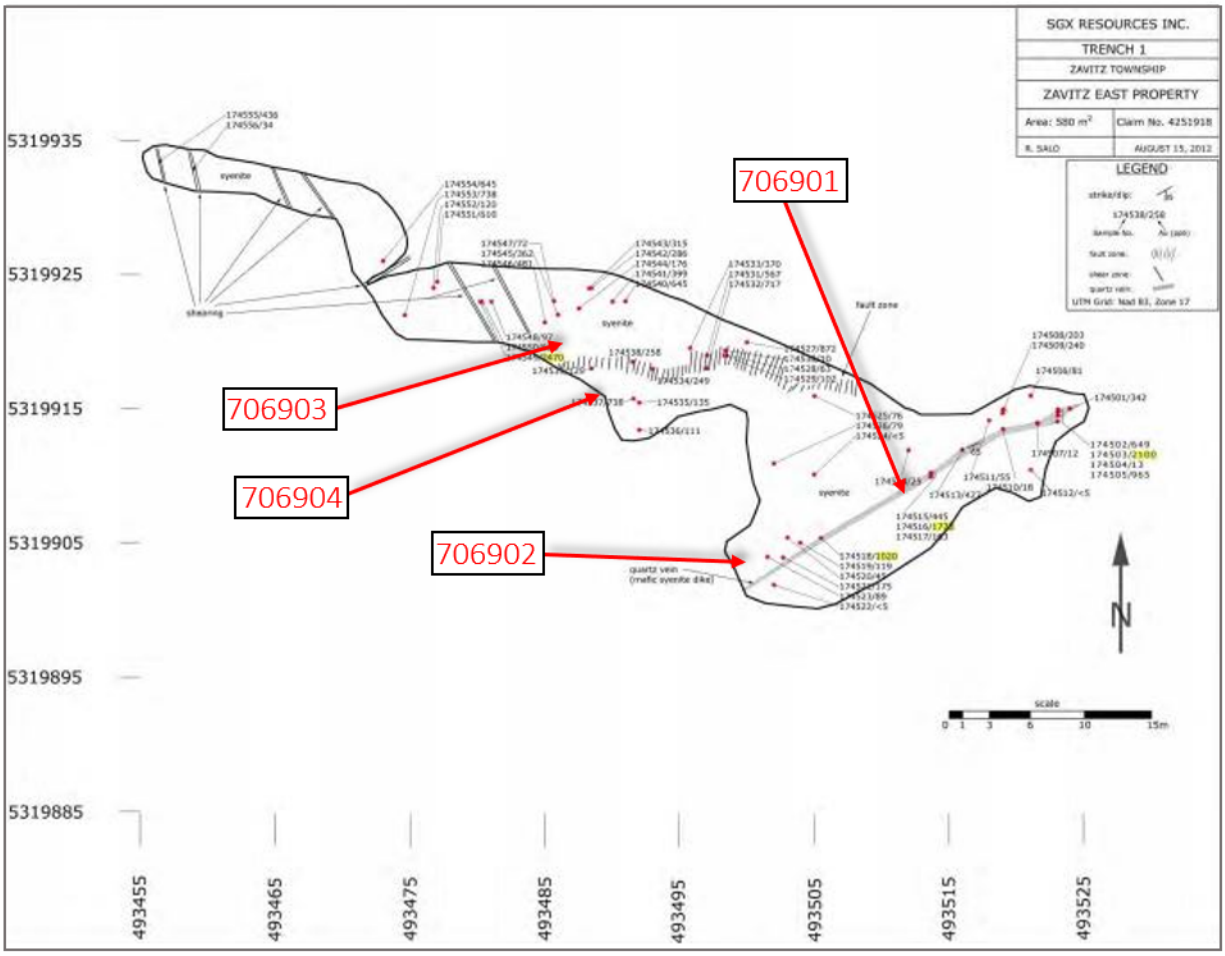


Figure 6.4 : Trench 1 Sample Locations with 2020 Sample Locations
(Modified from: SGX, 2012 – Provincial Cell Number 42A03A247, Claim Number 563094)

Following the Property visit on September 27, 2020, Messrs. Kilbourne and Love visited the NPLH Facility where the SGX diamond drill core from the 2012 drilling program is located. This core is stored at the gravel pit east of Timmins at UTM coordinates 467313E, 5367698N, Zone 17 NAD83. Mineralization, alteration and lithologies were noted to be consistent with the historical drill logs.

OCTOBER 19, 2020 QUALIFIED PERSON SITE VISIT

Additional data verification aspects were meant to include access to the Property, the confirmation and sampling of historical trenching and confirmation of the any drill sites from historical drilling. The QP visited the Property on October 19, 2020. He was accompanied by Mr. Love, to conduct a field

investigation of the Fiset Showing –Trench 1 and to perform grab sampling on exposures from the Voyager Showing -Trench 12 (Figure 6.5).

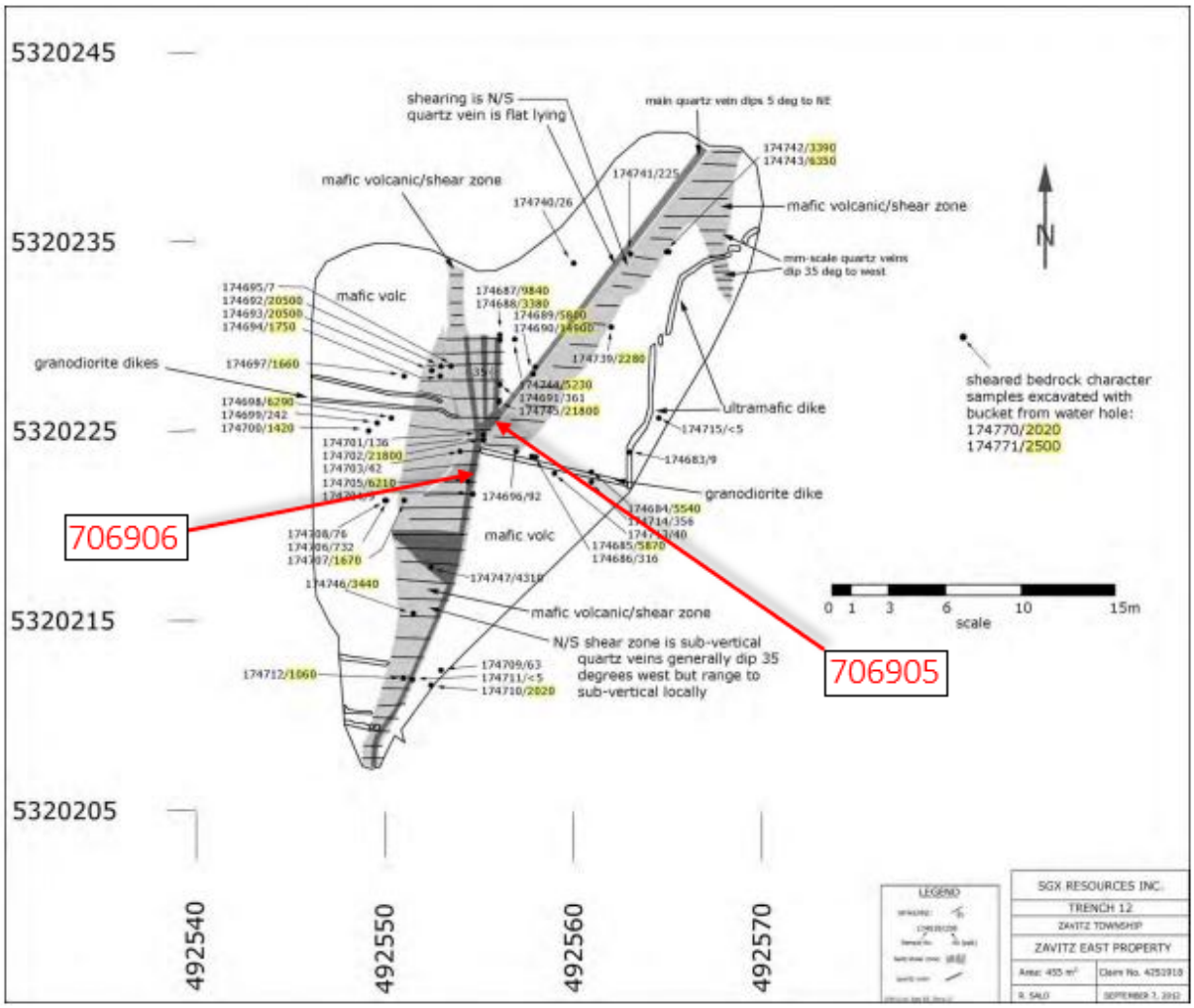


Figure 6.5 : Trench 12 Sample Locations with 2020 Sample Locations
(Modified from: SGX, 2012, Provincial cell Number 42A03A224, Claim Number563074)

Two grab samples were collected during the Property visit from the Voyager Showing. Figure 6.5 identifies the location for all grab samples taken for analyses in 2020. Grab sample results are listed in Table 5. The QP observes that the grab sample results confirm gold values occur within the range of historical results on both structures.

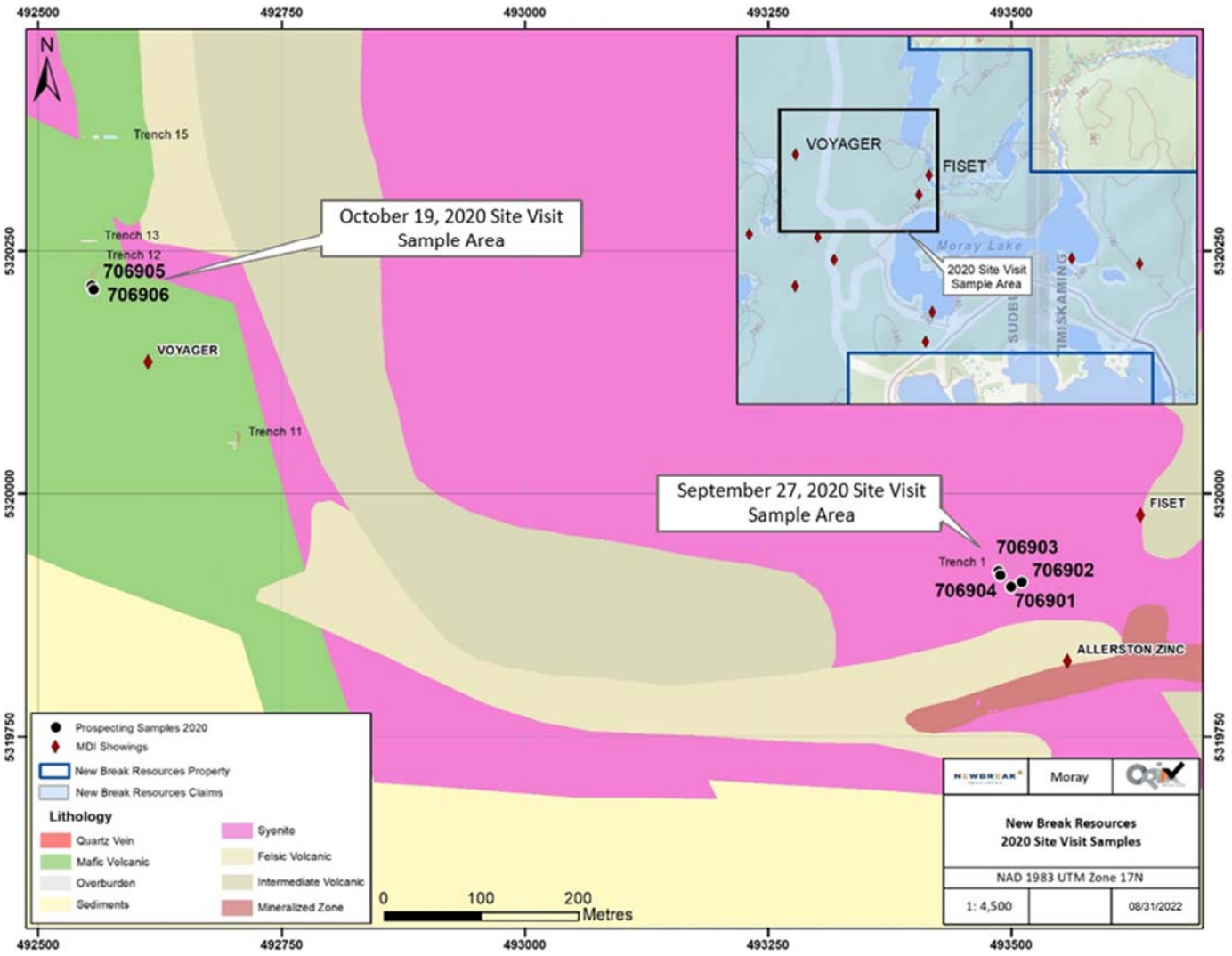


Figure 6.6 - Site Visit Sample Locations, September 27, 2020 (Provincial cell 42A03A247, Claim Number 563094) and October 19, 2020 (Provincial Cell Number 42A03A224, Claim Number 563074)

The main mineralized unit in the western part of the trench is a N/S striking 2 m to 4 m wide shear that is locally highly silicified and weakly hematite altered with up to 10 % fine grain disseminated and aggregates of secondary pyrite within quartz-carbonate stockwork veining. VOY 2 (sample 706906) was collected from this structure as shown on figure 12.2.1. The bottom of this stacked vein array is a 10-20 cm-wide relatively flat lying quartz-carbonate vein which was measured by the QP to be striking @ Az 035 degrees. VOY 1 (sample 706705) was collected from this structure. Magnetic susceptibility measurement in the quartz-carbonate-pyrite vein structure is 0.18. Magnetic susceptibility of the host mafic volcanics is 4.502.

Drillhole Z-80-6, drilled in 1980 by Newmont, was drilled below the Voyager Showing and intersected mafic volcanics and a 1.2 m semi-massive pyrite zone with 5% pyrrhotite and chalcopyrite followed by 76 m of 15% pyrite, pyrrhotite. An induced polarization/resistivity survey was carried out over the Property by Quantec Inc. of Timmins. Zone B is situated to the immediate southwest of the Voyager Showing and extends over a 300 m strike length.

In conclusion, the structural setting of the emplacement of quartz-carbonate-pyrite veining with enrichment at the junction of N/S and NE (Az 035) vein sets, displays fractal geometry patterns observed on a regional scale.

DRILL CORE RE-SAMPLING

In 1980, Newmont drilled diamond drillhole Z-80-5 to the north of the Fiset Showing. The hole was terminated in mafic syenite northeast of Trench 1. During October and November 2020, Mr. Love located the drillhole in the Timmins Core Library sampled the drill core. The sampled core was assayed by ACT Labs with results detailed below.

To verify the analytical results of intervals from preserved drill core on the Property, six samples were taken from the Newmont 1980 cored holes: three from hole Z-80-5 and three from Z-80-6. The core boxes are located outside in roofed racks and the core is in overall good condition although pieces are missing due to historical sampling. The core is identified by box numbers and this identification is listed on the racks. The samples were taken on September 29, 2020.

Table 5 : Re-sampling Results of Mineralized Intervals from Newmont Drillholes Z-80-5 and Z-80-6 (Claim 563094, Provincial Grid 42A03A247)

Moray Property Core Re-sampling Results		
Sample No.	**AA (g/t Au)**	**Comments**
Drill Hole Z-80-6		
706907	0.006	Box 157267 - no meterage markers, mafic volcanic with 1% Po-Py
706908	0.023	Box 157267 - no meterage markers - mafic volcanic with 1% Po-Py
706909	0.009	mafic volcanic with 1% Po-Py
Drill Hole Z-80-5		
706910	0.127	Box 157247 - no meterage markers; Syenite with 1 % Py
706911	< 0.005	Box 157247 - no meterage markers; Syenite with 1 % Py
706912	< 0.005	Box 157255 - no meterage markers; Syenite with 1 % Py

Although the core sample analyses of the selected intervals were generally lower than expected, they do confirm the presence of gold in the drillholes.

Program Results

The Geoscience sampling program of September – November 2020 did confirm the following with respect to SGX Resources work in 2012:

- The authors did accept the SGX Resources' interpretation of lithologies and mineralization types in Trench 1 and Trench 12.
- The gold assays results for grab samples from Trench 1, and Trench 12 were generally consistent with the sampling conducted by SGX Resources in Trench 1 and Trench 12. The assays from drill

core samples of Z-80-6 and Z-80-05 are difficult to correlate with the original logs as no assays were submitted by Newmont in the assessment filing. However, the trace of drill hole Z-80-06 transects surface exposures of pyrite-pyrrhotite mineralisation in mafic volcanics which are reported to be weakly anomalous in gold (SGX Resources, 2012). The drill core for the section 266.5 to 283.4 metres for drill hole Z-80-05 is missing from the Government Core Storage Facility (Timmins). The drill log for the missing section of Z-80-05 details variably mineralised syenite with up to 5% galena and chalcopyrite.

Conclusions and Recommendations

1) The SGX Resources Trenches 1 and 12 should be dewatered and rewashed.
2) Trenches 1 and 12 should be systematically sampled with both grab and channel samples.
3) Drone imagery should be completed over both trenches to define structural trends and to locate the channel and grab samples relative to the structural trends
4) A structural geologist should be engaged to determine the sequence of structural deformation relative to which structural event carried the gold mineralisation.

Appendix 1

Certificate of the Qualified Person

I, Peter C. Hubacheck, am a Professional Geoscientist (P. Geo.) and a self-employed consulting geologist at W.A. Hubacheck Consultants Ltd. located at 132 Moore St., Lion's Head, Ontario, N0H 1W0.

This certificate applies to the technical report titled "**REPORT OF A GEOSCIENCE SAMPLING PROGRAM**

FOR THE MORAY AU-AG-NI-CU PROPERTY" , dated September 24, 2022, prepared for New Break Resources Ltd. ("New Break" or the "Company").

I am a registered Geoscientist in good standing with the Association of Professional Geoscientists of Ontario (PGO No. 1059) and the Association of Professional Geoscientists of Alberta (APEGA 33789). I graduated from the South Dakota School of Mines and Technology with a Bachelor of Science in Geological Engineering in 1977.

I have worked continuously as a Geologist for over 45 years with extensive experience in mineral exploration in the Abitibi Greenstone Belt. Recent relevant experience relating to the Moray Gold Property is summarized chronologically: From 2004 to 2011, I provided geological management leading to first time resource estimations for; the Island Gold Deposit (co-authored with RPA) on behalf of the Richmont/Patricia Mining JV (2004-2005); The Destiny Gold Deposit on behalf of Alto Ventures Ltd. (2007); the Lynx Cu/Ag/Au Deposit on behalf of Sage Gold Inc. (2008); the Kerrs Gold Deposit on behalf of Sage Gold Inc. (2005-2007) and Sheltered Oak Resources (2008-2013). From 2014 to 2016, I conducted QA/QC programs for Sage Gold Inc. and Abbey Gold Corp. and contributed as an expert QP on PEA and NI 43-101 resource estimation reports for Sage Gold Inc.

From January 2016 to April 2018, I co-managed surface and underground definition drilling programs for the Clavos Advanced Underground Development Project operated by Sage Gold Inc. In 2018, I completed an independent evaluation of Agnico Eagle's silver/cobalt properties in the historic Cobalt and Silver Center Mining Camps.

In January 2020, I joined RJK Explorations Ltd. as project manager and principal geologist on their Nipissing Diamond Project leading their exploration team in discovering 7 buried glacial deposits containing significant kimberlite indicator minerals in the historic Cobalt Mining Camp

I have read the definition of "Qualified Person" as defined in National Instrument 43–101 *Standards of Disclosure for Mineral Projects* ("NI 43–101") and certify that by reason of my education, affiliation with a professional association (as defined in Regulation 43-101) and past relevant work experience, I fulfil the requirements to be a "Qualified Person" for the purposes of Regulation 43-101.

I have no prior involvement with the property that is the subject of this Technical Report. I own no shares, warrants or options of the Company. I visited the property that is the subject of this Technical Report on October 19, 2020 and on August 21, 2021

I am responsible for the geotechnical sections of this Technical Report. I have read NI 43–101 and the sections of the technical report for which I am responsible have been prepared in compliance with that instrument and form.

I am independent of New Break Resources Ltd., as independence is described by Section 1.5 of NI 43–101.

Dated at Lion's Head, Ontario, this 24th day of September 2022.

X 

Peter c. Hubacheck
QP, P. Geo.

Peter c. Hubacheck
QP, P. Geo.

APPENDIX 2 – ASSAY CERTIFICATES

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-15564**
Report Date: **10-Dec-20**
Date Submitted: **03-Dec-20**
Your Reference:

New Break Resources Ltd.
18 King Street East, Suite 902
Toronto Ontario M5C 1C4
Canada

ATTN: William Love

CERTIFICATE OF ANALYSIS

1 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2 (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2020-12-09 15:07:25

REPORT **A20-15564**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
706902	0.119

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
OREAS 251(FA-Ancaster) Meas	0.494
OREAS 251(FA-Ancaster) Cert	0.504
Oreas 237 (fire Assay) Meas	2.15
Oreas 237 (fire Assay) Cert	2.21
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-14117**
Report Date: **23-Nov-20**
Date Submitted: **05-Nov-20**
Your Reference: **Nov 05/20**

New Break Resources Ltd.
18 King Street East, Suite 902
Toronto Ontario M5C 1C4
Canada

ATTN: William Love

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins (10g/m t)	QOP AA-Au (Au - Fire Assay AA)	2020-11-17 10:11:52

REPORT **A20-14117**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

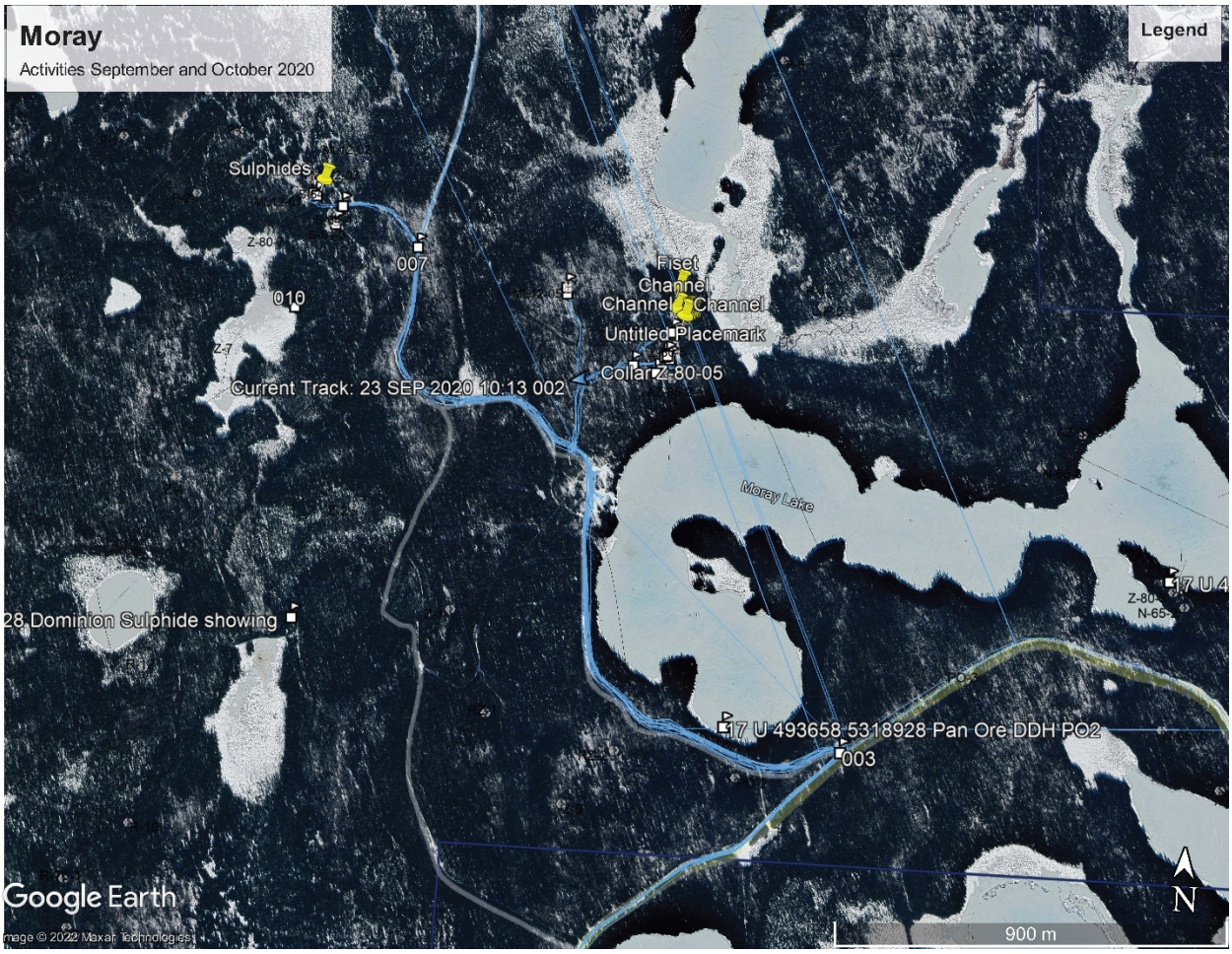
ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

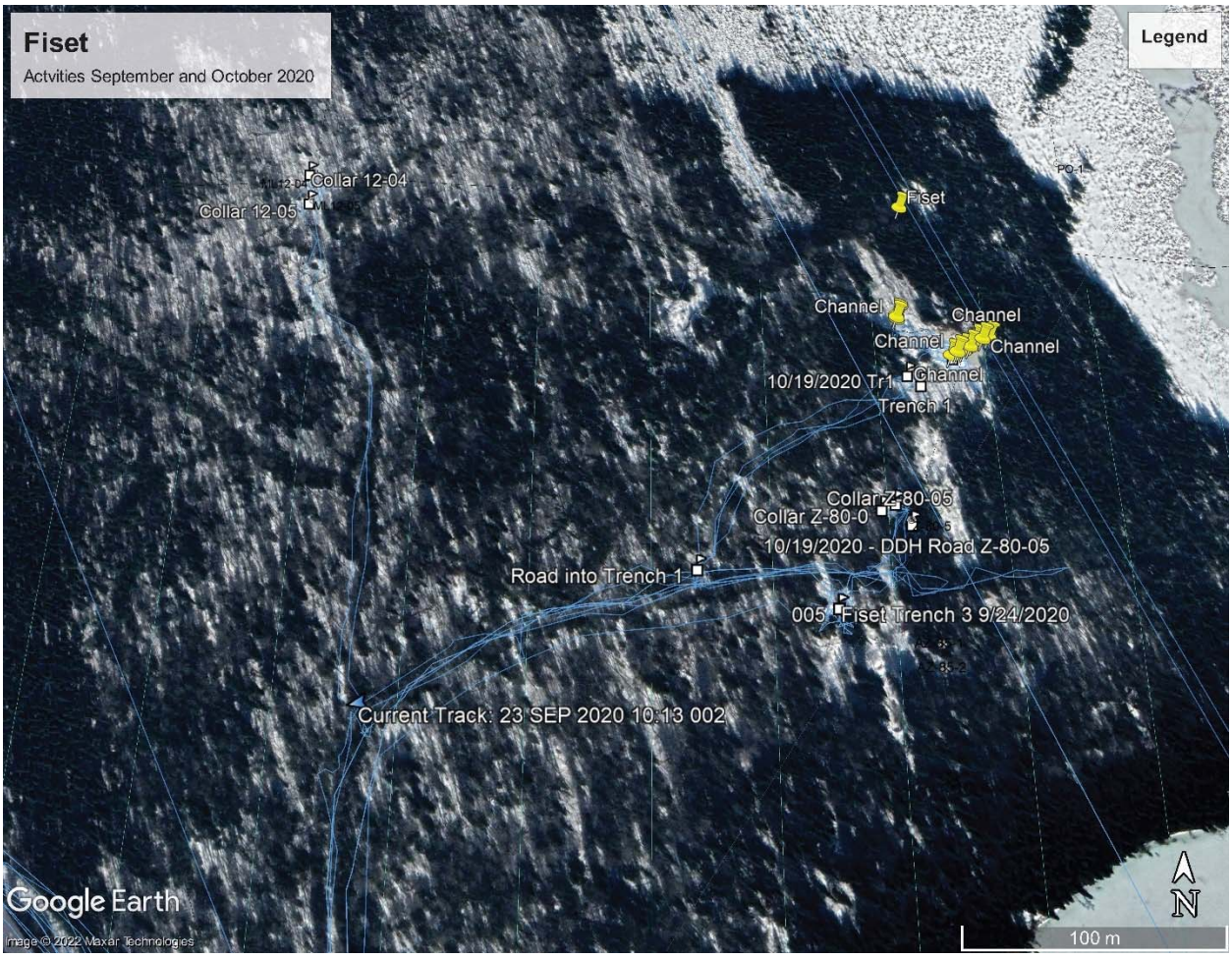
Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
A706901	0.297
A706903	0.480
A706904	0.215
A706905	2.42
A706906	1.02
A706907	0.006
A706908	0.023
A706909	0.009
A706910	0.127
A706911	< 0.005
A706912	< 0.005

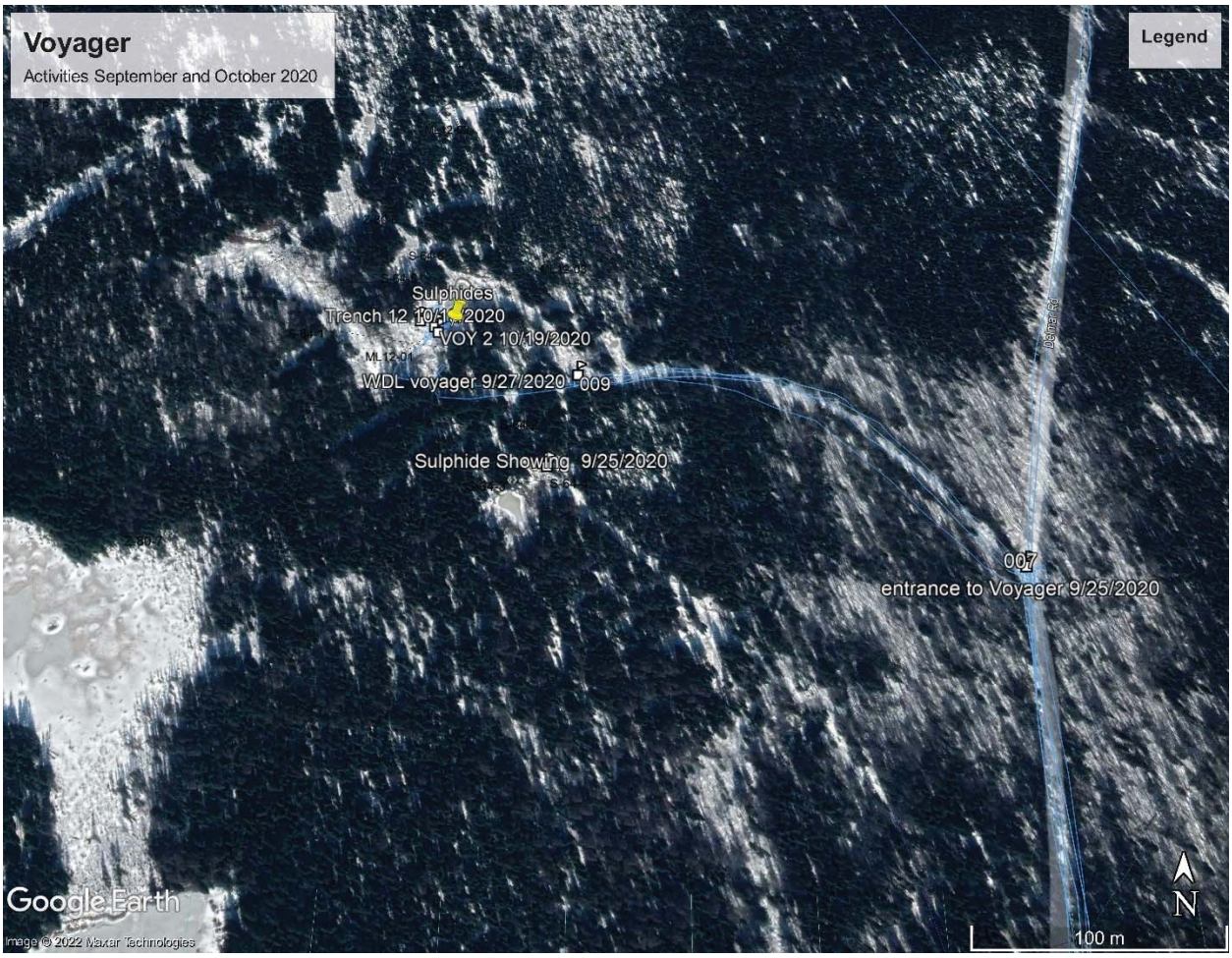
Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
OREAS 218 Meas	0.524
OREAS 218 Cert	0.531
OREAS 218 Meas	0.541
OREAS 218 Cert	0.531
Oreas E1336 (Fire Assay) Meas	0.508
Oreas E1336 (Fire Assay) Cert	0.510
A706911 Orig	< 0.005
A706911 Dup	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Appendix 3 – Daily Log

	DAILY LOG - SEPTEMBER - NOVEMBER 2020	
DATE	ACTIVITY	OBSERVATIONS
9/22/2020	Travel	
9/23/2020	Travel	Travel day- Moray visit (Note Garmin Map) to Sothman Township project plus drive on gravel roads into Moray
9/24/2020	Mapping	WDL located Trench 3 at Fiset UTM 493453.07E, 5319786.72N - historic stripped area - gravel road access
9/25/2020	Mapping	WDL located Sulphide Showing at Voyager - gravel road access - refer to Garmin map - Voyager
9/26/2020	Report	Timmins - Moray data review
9/27/2020	Mapping	WDL visit to Voyager - 492612E, 5319961N
9/28/2020	Report	rain day - prepration for site visit
9/29/2020	Mapping	site visit at Moray with Mike Kilbourne at Moray - examined Trench 1 and Trench 3 - Fiset syenite, located collars for 12-04, 12-05 plus relogged SGX Resources ML12-04,05,01,02,03
9/30/2020	Travel	
10/1/2020	Travel	
10/16/2020	Travel	
10/17/2020	Travel	
10/18/2020	Report	rain day - preparation for site visit
10/19/2020	Mapping	site visit at Moray with Peter Hubacheck (QP) - mapped Trench 12 and Trench 1 with MS readings
10/20/2020	Report	data review - trip to KL core farm - core farm closed due to Pandemic
10/21/2020	Travel	
10/22/2020	Travel	
11/2/2020	Travel	
11/3/2020	Travel	
11/4/2020	Sampling	Resampling - Newmont DDH - Z-80-05 and Z-80-06 - Government Core Storage Library - Timmins
11/5/2020	Travel	
11/6/2020	Travel	


Moray
Activities September and October 2020
Legend
Sulphides
Z-80
007
010
Z-7
Fiset
Channel
Channel
Channel
Untitled Placemark
Collar Z-80-05
Current Track: 23 SEP 2020 10:13 002
Moray Lake
28 Dominion Sulphide showing
17 U 493658 5318928 Pan Ore DDH PO2
003
Google Earth
900 m
N


Fiset
Actvities September and October 2020
Legend
Collar 12-04
Collar 12-05
Fiset
Channel
Channel
Channel
Channel
Channel
10/19/2020 Tr1
Trench 1
Collar Z-80-05
Collar Z-80-0
10/19/2020 - DDH Road Z-80-05
Road into Trench 1
005
Fiset Trench 3 9/24/2020
Current Track: 23 SEP 2020 10:13 002
Google Earth
Image © 2022 Maxar Technologies
100 m
N


Voyager
Activities September and October 2020
Legend
Sulphides
Trench 12 10/1 2020
VOY 2 10/19/2020
ML12-01
WDL voyager 9/27/2020
009
Sulphide Showing 9/25/2020
007
entrance to Voyager 9/25/2020
Google Earth
Image © 2022 Maxar Technologies
N
100 m

Appendix 4 – Historic Drill Logs (Newmont and SGX)

DIAMOND DRILLING

010

TOWNSHIP: ZAVITZ

REPORT NO.: 17

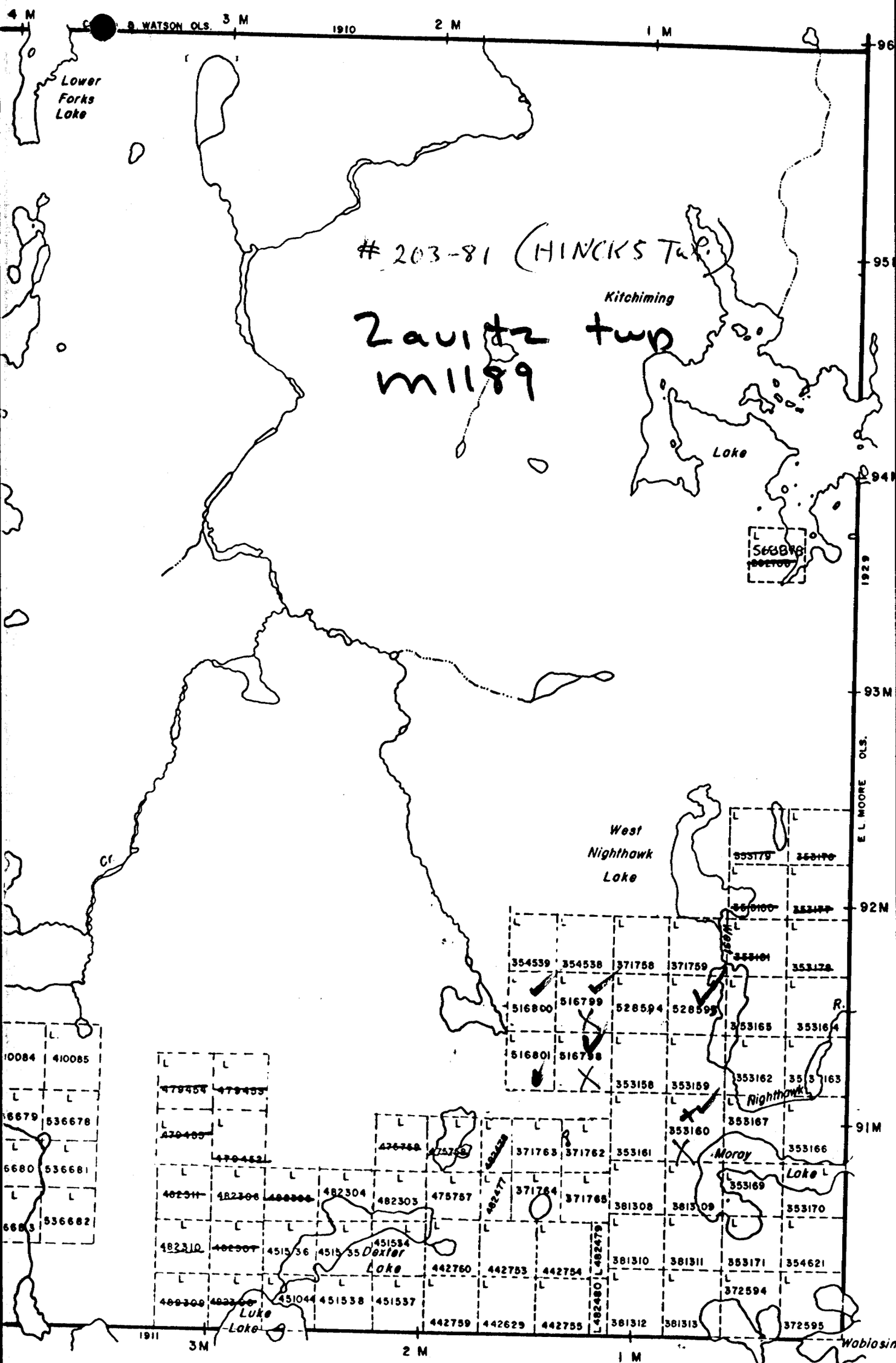
WORK PERFORMED BY: NEWMONT EXPLORATION LTD.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 353160	Z-80-5	303.9m	AUG/80	(1)
L 516799	Z-80-6	200.2m	AUG/80	(1)
L 516798	Z-80-7	136.2m	AUG/80	(1)
		640.3m		

NOTES:

(1) #203-81 (HINCKS TWP.)

Gelkie Twp.(M.320)



Hutt Twp.(M.943)

L 353160

NEWMONT EXPLORATION OF CANADA LTD.

HOLE NO.: Z-80-5

LOCATION: 100E/104+15N | **GRID:** | **ELEVATION:**

LENGTH: 303.9M | **HORIZ.:** | **VERT.:** | **AZIMUTH:** 020° | **CORE SIZE:** NQ

RECOVERY: | **LOGGED BY:** | **DATE:** August 6, 1980

PROJECT: Allerston-Zavitz

STARTED: August 4, 1980

FINISHED: August 15, 1980

INCLINATION TESTS

DEPTH	DIP	DEPTH	DIP	DEPTH	DIP
COLLAR	49°	213.4	39.5°		
30.5	46.5°	274.3	38°		
91.4	45°				
152.4	42.5°				

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION–STRUCTURES
0	3.4	CASING	
3.4	27.7	MAFIC PORPHYRITIC SYENITE	- quartz veins at:
		- euhedral to subhedral pink	8.46 - 1 cm. thick
		feldspar crystals	9.3 - 5 cm. thick
		- 40% by value amphibole	12.0 - 7 cm. thick
		- xenoliths up to 5 cm thick	12.4 - 2 cm. thick
		occupy 1% of section	
			- quartz veins contain 2% sul-
			phides (pyrite and chalcopyrite
			and minor galena)
			- aplitic dyles at:
			6.4 - 20 cm. thick
			14.62 - 20 cm. thick
			15.75 - 20 cm. thick
			16.5 - 15 cm. thick
			16.85 - 20 cm. thick
			19.5 - 15 cm. thick
			20.6 - 40 cm. thick
			- fine grained with feldspar
			phenocrysts and 5% finely
			disseminated sulphides
			(pyrite and galena)
			- very rubbly from 26.4-27.4
27.7	30.6	FELSIC PORPHYRITIC SYENITE	
		- very fine grained	- 5-8% sulphides (pyrite,
		- subhedral pink feldspar	chalcopyrite and galena)
		phenocrysts	- rubbly from 28.3 to 29.9
		- 10% fine mafic minerals	
30.6	45.25	BASALT FLOW	
		- patches of feldspar pheno-	- indistinct flow banding
		crysts at 37.0, 42.17-42.51	- 2-4% pyrite

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4497	3.4	4.4	1.0				
4498	4.4	5.4	1.0				
4499	5.4	6.4	1.0				
4500	6.4	7.4	1.0				
4501	7.4	8.4	1.0				
4502	8.4	9.4	1.0				
4503	9.4	10.4	1.0				
4504	10.4	11.4	1.0				
4505	11.4	12.4	1.0				
4506	12.4	13.4	1.0				
4507	13.4	14.4	1.0				
4508	14.4	15.4	1.0				
4509	15.4	16.4	1.0				
4510	16.4	17.4	1.0				
4511	17.4	18.4	1.0				
4512	18.4	19.4	1.0				
4513	19.4	20.4	1.0				
4514	20.4	21.4	1.0				
4515	21.4	22.4	1.0				
4516	22.4	23.5	1.1				
4517	23.5	24.4	0.9				
4518	24.4	25.4	1.0				
4519	25.4	26.4	1.0				
4520	26.4	27.7	1.3				
4521	27.7	28.2	0.5				
4522	28.2	28.7	0.5				
4523	28.7	29.2	0.5				
4524	29.2	30.0	0.8				
4525	30.0	30.6	0.6				
4526	30.6	31.6	1.0				
4527	31.6	32.6	1.0				
4528	32.6	33.6	1.0				
4529	33.6	34.6	1.0				
4530	34.6	35.6	1.0				
4531	35.6	36.6	1.0				
4532	36.6	37.6	1.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz | HOLE NO.: Z-80-5

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES	ANALYTICAL RESULTS							
				SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
		and 42.9-44.4	- 1% quartz-carbonate veins	4533	37.6	38.6	1.0				
		- diffuse irregular contacts		4534	38.6	39.6	1.0				
		- very fine grained		4535	39.6	40.6	1.0				
				4536	40.6	41.6	1.0				
		- pinkish alteration of flow		4537	41.6	42.6	1.0				
		from 40.4 to 45.25		4538	42.6	43.6	1.0				
		- patchy minor carbonatization		4539	43.6	44.6	1.0				
		(5%)		4540	44.6	45.25	0.65				
				4541	45.25	46.25	1.0				
45.25	56.35	FELSIC PORPHYRITIC SYENITE		4542	46.25	47.3	1.05				
		- fine grained	- 2% quartz veining most less than	4543	47.3	49.0	1.7				
		- euhedral to subhedral pink	5 cm. thick	4544	49.0	51.0	2.0				
		feldspar and amphibole	- 1 mm. thick calcite vein with	4545	51.0	53.0	2.0				
		phenocrysts	hematite at 53.6	4546	53.0	55.0	2.0				
		- phenocrysts up to 5 mm. in		4547	55.0	56.35	1.35				
		size		4548	56.35	47.32	0.97				
		- 10% mafic minerals		4549	57.32	58.0	0.68				
				4550	58.0	59.0	1.0				
56.35	60.8	BASALT FLOWS		4551	59.0	60.8	1.8				
		- massive	- 2-4% euhedral pyrite	4552	60.8	62.0	1.2				
		- dark green	- 1% quartz-carbonate veins	4553	62.0	64.0	2.0				
		- pinkish alteration from 56.35		4554	64.0	65.3	1.3				
		to 58.4		4555	65.3	67.0	1.7				
		- recrystalization of flow from		4556	67.0	69.0	2.0				
		60.5 to 60.8 by underlying		4557	69.0	70.8	1.8				
		mafic syenite producing a		4558	70.8	71.3	0.5				
		coarse grained zone		4559	71.3	72.3	1.0				
		- patchy minor carbonatization		4560	72.3	73.3	1.0				
		(5%)		4561	73.3	74.3	1.0				
				4562	74.3	75.3	1.0				
60.8	63.9	MAFIC PORPHYRITIC SYENITE		4563	75.3	76.3	1.0				
		- as above	- 2 cm quartz vein at 63.6	4564	76.3	77.3	1.0				
				4565	77.3	79.3	2.0				
63.9	65.3	BASALT FLOWS		4566	79.3	81.0	1.7				
		- biotite developed 2-4 cm. wide	- lower contact at 35° to core	4567	81.0	83.0	2.0				
		near lower contact.	axis	4568	83.0	85.0	2.0				
		- 10 cm. thick felsic porphyri-	- 15% pinkish quartz (minor	4569	85.0	87.0	2.0				
		tic syenite dyke (as above)	feldspar) veining with some	4570	87.0	89.0	2.0				
		at 65.0	carbonate.	4571	89.0	91.0	2.0				
		- massive, dark green		4572	91.0	93.0	2.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz | **HOLE NO.:** Z-80-5 | **PAGE** 3 of 6

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES
65.3	70.8	MAFIC SYENITE	
		- as above	
		70.4-70.8: contact zone	
		- irregular masses of syenite	
		and mafic flows	
		3 cm. quartz-feldspar veins at	
		67.1 and 67.7	
		Mafic xenoliths up to 5 cm. at	
		68.7, 69.0, 69.15.	
70.8	77.3	MAFIC FLOW:	
		- similar to above	- 3-5% pyrite disseminations
		- vuggy (1%)	throughout
		- patches and veins of epidote,	
		quartz, calcite	
		- 2-4% pinkish alteration veins	
		- biotite developed at contact	
		with mafic syenite	
77.3	303.9	MAFIC SYENITE	Quartz Veins
		- similar to above	At Width Assoc. Mineral.
		- mafic xenoliths at 86.5, 113.0,	79.2 2 cm.
		113.2, 107.75, 119.1, 120.5,	79.4 2 cm. 10-20% pyrite
		121.0, 125.2, 131.3, 134.75,	79.8 2 cm. 10-20% pyrite
		180.5.	117.2 6 cm.
			136.6 30 cm. 10% pyrite
		- chloritic patches from 115.6	178.1 5 cm.
		to 117.2, 160.6 to 161.0,	179.7 3 cm.
		188.4 to 188.5, 190.2 to	181.5 2 cm.
		190.6 and 195.0-195.2	185.7 2 cm.
		- stringers of chloritic	208.05 60 cm. 15% sulphides
		material filling fractures	(galena, chalco-
		in syenite.	pyrite, pyrite)
			223.78 6 cm. 3% galena
		- leucocratic patches of	238.20 2 cm. 1-2% pyrite
		porphyritic syenite from	248.26 3 cm. 1-2% pyrite
		145.6 to 145.93, 146.2 to	250.46 3 cm. 1-2% pyrite

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4573	93.0	95.0	2.0				
4574	95.0	95.4	0.4				
4575	95.4	97.0	1.6				
4576	97.0	99.0	2.0				
4577	99.0	101.0	2.0				
4578	101.0	103.0	2.0				
4579	103.0	105.0	2.0				
4580	105.0	107.0	2.0				
4581	107.0	109.0	2.0				
4582	109.0	111.9	2.9				
4583	111.9	113.0	1.1				
4584	113.0	115.0	2.0				
4585	115.0	117.0	2.0				
4586	117.0	119.0	2.0				
4587	119.0	121.0	2.0				
4588	121.0	123.0	2.0				
4589	123.0	125.0	2.0				
4590	125.0	127.0	2.0				
4591	127.0	129.0	2.0				
4592	129.0	131.0	2.0				
4593	131.0	133.0	2.0				
4594	133.0	135.0	2.0				
4595	135.0	136.5	1.5				
4596	136.5	137.0	0.5				
4597	137.0	137.5	0.5				
4598	137.5	138.0	0.5				
4599	138.0	139.0	1.0				
4600	139.0	141.0	2.0				
4601	141.0	143.0	2.0				
4602	143.0	145.0	2.0				
4603	145.0	146.0	1.0				
4604	146.0	147.1	1.1				
4605	147.1	149.0	1.9				
4606	149.0	151.0	2.0				
4607	151.0	153.0	2.0				
4608	153.0	155.0	2.0				
4609	155.0	157.0	2.0				
4610	157.0	159.0	2.0				
4611	159.0	161.0	2.0				
4612	161.0	163.0	2.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz | HOLE NO.: Z-80-5 | PAGE 4 of 6

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES		
		146.2 to 147.1, 163.3 to 163.4,	At	Width	Assoc. Mineral.
		194.5 to 194.6, 196.0 to 196.15,	254.35	2 cm.	1-2% pyrite
		210.55 to 211.2, 212.64 to 213.0,	266.9	10 cm.	
		207.5 to 207.9, 230.7 to 230.9,	274.28	46 cm.	5% galena and
		235.3 to 235.6 and 249.45 to			chalcopyrite
		249.61.	275.22	4 cm.	2% galena
		- 219.76 to 220.18:	276.8	3 cm.	
		- fine grained chloritic dyke	286.8	30 cm.	5% galena
		with amphibole phenocrysts	291.0	7 cm.	5% galena
		- dark reddish banding	292.74	6 cm.	5% galena
			293.34	3 cm.	3% galena
		- fine grained syenite dike	299.2	3 cm.	2% pyrite
		from 301.13 to 302.3			
		END OF HOLE			

ANALYTICAL RESULTS							
SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4613	163.0	165.0	2.0				
4614	165.0	167.0	2.0				
4615	167.0	169.0	2.0				
4616	169.0	171.0	2.0				
4617	171.0	173.0	2.0				
4618	173.0	174.0	1.0				
4619	174.0	175.0	1.0				
4620	175.0	177.0	2.0				
4621	177.0	178.0	1.0				
4622	178.0	179.0	1.0				
4623	179.0	180.0	1.0				
4624	180.0	182.0	2.0				
4625	182.0	184.0	2.0				
4626	184.0	186.0	2.0				
4627	186.0	188.0	2.0				
4628	188.0	190.0	2.0				
4629	190.0	192.0	2.0				
4630	192.0	194.0	2.0				
4631	194.0	196.0	2.0				
4632	196.0	198.0	2.0				
4633	198.0	200.0	2.0				
4634	200.0	202.0	2.0				
4635	202.0	204.0	2.0				
4636	204.0	205.0	1.0				
4637	205.0	206.0	1.0				
4638	206.0	206.5	0.5				
4639	206.5	207.0	0.5				
4640	207.0	207.5	0.5				
4641	207.5	208.0	0.5				
4642	208.0	208.65	0.65				
4643	208.65	209.0	0.35				
4644	209.0	210.0	1.0				
4645	210.0	211.0	1.0				
4646	211.0	212.0	1.0				
4647	212.0	213.0	1.0				
4648	213.0	214.0	1.0				
4649	214.0	216.0	2.0				
4650	216.0	218.0	2.0				
4651	218.0	219.76	1.76				
4652	219.76	220.18	0.42				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz

HOLE NO.: Z-80-5

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES

ANALYTICAL RESULTS							
SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4653	220.18	222.2	2.02				
4654	222.2	223.2	1.0				
4655	223.2	223.7	0.5				
4656	223.7	224.2	0.5				
4657	224.2	224.7	0.5				
4658	224.7	225.7	1.0				
4659	225.7	226.7	1.0				
4660	226.7	227.7	1.0				
4661	227.7	229.7	2.0				
4662	229.7	230.7	1.0				
4663	230.7	231.7	1.0				
4664	231.7	232.7	1.0				
4665	232.7	233.7	1.0				
4666	233.7	234.7	1.0				
4667	234.7	235.7	1.0				
4668	235.7	236.7	1.0				
4669	236.7	237.7	1.0				
4670	237.7	239.7	2.0				
4671	239.7	241.7	2.0				
4672	241.7	243.7	2.0				
4673	243.7	245.7	2.0				
4674	245.7	247.7	2.0				
4675	247.7	249.7	2.0				
4676	249.7	251.7	2.0				
4677	251.7	253.7	2.0				
4678	253.7	255.7	2.0				
4679	255.7	256.7	1.0				
4680	256.7	259.7	1.0				
4681	257.7	258.7	1.0				
4682	258.7	259.7	1.0				
4683	259.7	260.7	1.0				
4684	260.7	261.7	1.0				
4685	261.7	262.7	1.0				
4686	262.7	263.7	1.0				
4687	263.7	264.7	1.0				
4688	264.7	265.7	1.0				
4689	265.7	266.7	1.0				
4690	266.7	267.7	1.0				
4691	267.7	268.7	1.0				
4692	268.7	269.7	1.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz

HOLE NO.: Z-80-5

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4693	269.7	270.7	1.0				
4694	270.7	271.7	1.0				
4695	271.7	272.7	1.0				
4696	272.7	273.7	1.0				
4697	273.7	274.7	1.0				
4698	274.7	275.7	1.0				
4699	275.7	276.7	1.0				
4700	276.7	277.7	1.0				
4701	277.7	278.7	1.0				
4702	278.7	279.7	1.0				
4703	279.7	280.7	1.0				
4704	280.7	281.7	1.0				
4705	281.7	282.7	2.0				
4706	282.7	283.7	1.0				
4707	283.7	284.7	1.0				
4708	284.7	285.7	1.0				
4709	285.7	286.7	1.0				
4710	286.7	287.7	1.0				
4711	287.7	288.7	1.0				
4712	288.7	289.7	1.0				
4713	289.7	290.7	1.0				
4714	290.7	291.7	1.0				
4715	291.7	292.7	1.0				
4716	292.7	293.7	1.0				
4717	293.7	294.7	1.0				
4918	294.7	295.7	1.0				
4919	295.7	296.7	1.0				
4920	296.7	297.7	1.0				
4921	297.7	298.7	1.0				
4922	298.7	299.7	1.0				
4923	299.7	301.12	1.42				
4924	301.12	302.32	1.20				
4925	302.32	303.9	1.58				

L516799

23

NEWMONT EXPLORATION OF CANADA LTD.

HOLE NO.: Z-80-6

LOCATION: 89+30E/105+30N	**GRID:**	**ELEVATION:**	**PROJECT:** Allerston-Zavitz		
LENGTH: 200.2 M	**HORIZ.:**	**VERT.:**	**AZIMUTH:** 245°	**CORE SIZE:** NQ	**STARTED:** August 19, 1980
RECOVERY: 100%	**LOGGED BY:** W. MacRae		**DATE:** August 20-25, 1980		**FINISHED:** August 24, 1980

INCLINATION TESTS

DEPTH	DIP	DEPTH	DIP	DEPTH	DIP
COLLAR	46°	198.1	37.5°		
30.5	44°				
91.4	40.5°				
152.4	39°				

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES
0	7.3	CASING	
7.3	47.8	MAFIC VOLCANIC	Trace to 1% Py in veins, dissem-
		- chloritic	inated amygdules and in small
		- massive	bands (5 cm) at 14.3, 14.5, 15.4,
		- 25% quartz-carbonate veining	16.0, 34.3, 37.35
		(less than 2 cm thick)	- silicification and quartz-carb.
		- minor silification and	veining intense at 13.25, 16.1,
		carbonatization	17.9, 18.85, 24.25, 24.95, 25.5,
			29.4 to 32.0, 35.7, 44.7 to 44.9.
			- Py becomes 1-2% from 41.9-47.8.
47.8	66.85	INTERMEDIATE VOLCANICS	
		- more siliceous than above	- sulphides increase (5%) in
		- massive	content and Po dominates
		- 3-5% quartz-carbonate veining	
		- 5 cm quartz-carbonate at 54.0	Py rich (50%) with minor Po (5%)
		- possibly tuffaceous	and Cpy from 48.05-49.25.
			- greenish alteration patches with
			40% sulphides (sph?, Po, Py)
			- 50.12 to 50.22
			- 51.3 to 51.45
			less than 1% magnetite
66.85	125.9	TUFF	
		- chloritic	- 15% sulphides Po, Py (5-10%) sph.
		- indistinct banding	- 1% magnetite
		- 10% quartz-carbonate veining	- carbonated band (80%) at 89.7
		40°-80° to core axis	(20 cm.) with 10% Po, sph?
		- 104.0 to 116.58	- garnet in chloritic band at
		- light coloured patches (frags?	93.9 (5 cm)
		- 116.58-123.25	- sphalerite may be garnet or
		- highly altered section	staurolite
125.9	127.2	LAPILLI TUFF	
		- coarse fragments (1-2 cm) in	- 2% fine disseminated Py
		fine grained matrix	

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4726	7.3	9.4	2.1				
4727	9.4	11.4	2.0				
4728	11.4	13.4	2.0				
4729	13.4	15.4	2.0				
4730	15.4	17.4	2.0				
4731	17.4	19.4	2.0				
4732	19.4	21.4	2.0				
4733	21.4	23.4	2.0				
4734	23.4	25.4	2.0				
4735	25.4	27.4	2.0				
4736	27.4	29.4	2.0				
4737	29.4	31.4	2.0				
4738	31.4	33.4	2.0				
4739	33.4	35.4	2.0				
4740	35.4	37.4	2.0				
4741	37.4	39.4	2.0				
4742	39.4	41.4	2.0				
4743	41.4	43.4	2.0				
4744	43.4	45.4	2.0				
4745	45.4	46.5	1.1				
4746	46.5	47.8	1.3				
4747	47.8	48.3	0.5				
4748	48.3	48.8	0.5				
4749	48.8	49.3	0.5				
4750	49.3	49.8	0.5				
4751	49.8	50.3	0.5				
4752	50.3	51.3	1.0				
4753	51.3	52.3	1.0				
4754	52.3	53.3	1.0				
4755	53.3	54.3	1.0				
4756	54.3	55.3	1.0				
4757	55.3	57.0	1.7				
4758	57.0	59.0	2.0				
4759	59.0	61.0	2.0				
4760	61.0	63.0	2.0				
4761	63.0	65.0	2.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston Zavitz | HOLE NO.: Z-80-6

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES
127.2	138.5	ULTRAMAFIC	
		- highly veined (30%-50%) and carbonated	- 1% py as scattered euhedral porphyroblasts
		- talcose almost soapstone	
		- fault brecciated and muddy from 127.3 to 127.5	
135.5	147.9	FELSIC TUFF	
		- siliceous	- 1% sulphides (Py) in fractures
		- banded	
		- massive	
147.9	200.2	SEDIMENTS	
		- banded	- 3% py in bands
		- sericitic	
		- more siliceous 152.0-152.6	
		- 2-3% quartz and quartz-carbonate veining	
		- fine grained	
		- quartz-carbonate veins cut core at 25° and 50° to core axis	
		- from 147.0 to - 5% quartz-carbonate veining	
		- calcarious bed from 192.05-193.2, 199.8-200.2	
		- coarse grained	
		- chloritic	
		END OF HOLE.	

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4762	65.0	66.0	1.0				
4763	66.0	67.0	1.0				
4764	67.0	68.0	1.0				
4765	68.0	69.0	1.0				
4766	69.0	70.0	1.0				
4767	70.0	71.0	1.0				
4768	71.0	72.0	1.0				
4769	72.0	73.0	1.0				
4770	73.0	74.0	1.0				
4771	74.0	75.0	1.0				
4772	75.0	76.0	1.0				
4773	76.0	77.0	1.0				
4774	77.0	78.0	1.0				
4775	78.0	79.0	1.0				
4776	79.0	80.0	1.0				
4777	80.0	81.0	1.0				
4778	81.0	82.0	1.0				
4779	82.0	83.0	1.0				
4780	83.0	84.0	1.0				
4781	84.0	85.0	1.0				
4782	85.0	86.0	1.0				
4783	86.0	87.0	1.0				
4784	87.0	88.0	1.0				
4785	88.0	89.0	1.0				
4786	89.0	90.0	1.0				
4787	90.0	91.0	1.0				
4788	91.0	92.0	1.0				
4789	92.0	93.0	1.0				
4790	93.0	94.0	1.0				
4791	94.0	95.0	1.0				
4792	95.0	96.0	1.0				
4793	96.0	97.0	1.0				
4794	97.0	98.0	1.0				
4795	98.0	100.0	2.0				
4796	100.0	102.0	2.0				
4797	102.0	104.0	2.0				
4798	104.0	106.0	2.0				
4799	106.0	108.0	2.0				
4800	108.0	110.0	2.0				
4801	110.0	112.0	2.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz

HOLE NO.: Z-80-6

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES

ANALYTICAL RESULTS							
SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4802	112.0	114.0	2.0				
4803	114.0	116.58	2.58				
4804	116.58	117.5	0.92				
4805	117.5	118.5	1.0				
4806	118.5	119.5	1.0				
4807	119.5	120.5	1.0				
4808	120.5	121.5	1.0				
4809	121.5	122.5	1.0				
4810	122.5	123.5	1.0				
4811	123.5	124.5	1.0				
4812	124.5	125.9	1.4				
4813	125.9	127.2	1.3				
4814	127.2	128.0	0.8				
4815	128.0	129.0	1.0				
4816	129.0	130.0	1.0				
4817	130.0	132.0	2.0				
4818	132.0	134.0	2.0				
4819	134.0	136.0	2.0				
4820	136.0	138.0	2.0				
4821	138.0	138.5	0.5				
4822	138.5	139.5	1.0				
4823	139.5	140.5	1.0				
4824	140.5	141.5	1.0				
4825	141.5	142.5	1.0				
4826	142.5	144.0	1.5				
4827	144.0	146.0	2.0				
4828	146.0	147.9	1.9				
4829	147.9	150.0	2.1				
4830	150.0	151.0	1.0				
4831	151.0	153.0	2.0				
4832	153.0	154.0	1.0				
4833	154.0	156.0	2.0				
4834	156.0	158.0	2.0				
4835	158.0	160.0	2.0				
4836	160.0	162.0	2.0				
4837	162.0	164.0	2.0				
4838	164.0	166.0	2.0				
4839	166.0	168.0	2.0				
4840	168.0	170.0	2.0				
4841	170.0	172.0	2.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT: Allerston-Zavitz

HOLE NO.: Z-80-6

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4842	172.0	174.0	2.0				
4843	174.0	176.0	2.0				
4844	176.0	178.0	2.0				
4845	178.0	180.0	2.0				
4846	180.0	182.0	2.0				
4847	182.0	184.0	2.0				
4848	184.0	186.0	2.0				
4849	186.0	188.0	2.0				
4850	188.0	190.0	2.0				
4851	190.0	192.0	2.0				
4852	192.0	194.0	2.0				
4853	194.0	196.0	2.0				
4854	196.0	198.0	2.0				
4855	198.0	200.2	2.2				

L 516798

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NEWMONT EXPLORATION OF CANADA LTD.

LOCATION: 89E/103+50N	**GRID:**	**ELEVATION:**			
LENGTH: 136.2 M	**HORIZ.:**	**VERT.:**	**AZIMUTH:**	**CORE SIZE:** NQ	
RECOVERY: 100%	**LOGGED BY:** W. MacRae	**DATE:** August 26-30			

INCLINATION TESTS

DEPTH	DIP	DEPTH	DIP	DEPTH	DIP
COLLAR	44°				
30.5	41°				
91.4	38.5°				

HOLE NO.: Z-80-7

PROJECT: Allerston-Zavitz

STARTED: August 25, 1980

FINISHED: August 28, 1980

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION–STRUCTURES
0.0	5.2	CASING	
5.2	26.4	MAFIC TUFF - banded - chloritic - fine grained sections from 8.4-8.45, 9.6-14.1 - lighter in color - sericitic matrix - fine banding - pyrite disseminated and in beds - 2% narrow qtz-carb veining - coarse fragmental (1-2 cm) from 22.5-26.4 - carbonate rich sericitic matrix	-5% Po in coarse fragmental -3% sulphides overall (Py, Po) - 5% Py in fine bedded section
26.4	31.95	GRAPHITIC ARGILLITE - argillite from 26.4-28.05 - fine grained - black - banded - 28.05-31.95: - carbonaceous - chloritic patches - mottled to crudley banded	- 1 mm calcite vein at 27.1 (30° to core axis) - 1% disseminated Py
31.95	56.95	MAFIC TUFF - chloritic - vague banding - 2% narrow qtz.-carb veining	- 3-5% sulphides (Po, Py) - 7% Po in graphitic section

ANALYTICAL RESULTS

SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4856	5.2	7.2	2.0				
4857	7.2	9.2	2.0				
4858	9.2	11.2	2.0				
4859	11.2	13.2	2.0				
4860	13.2	15.2	2.0				
4861	15.2	17.2	2.0				
4862	17.2	19.2	2.0				
4863	19.2	21.2	2.0				
4864	21.2	22.5	1.3				
4865	22.5	23.5	1.0				
4866	23.5	24.5	1.0				
4867	24.5	25.4	0.9				
4868	25.4	26.4	1.0				
4869	26.4	28.05	1.65				
4870	28.05	29.0	0.95				
4871	29.0	30.0	1.0				
4872	30.0	31.0	1.0				
4873	31.0	31.95	0.95				
4874	31.95	33.0	1.05				
4875	33.0	34.0	1.0				
4876	34.0	35.0	1.0				
4877	35.0	36.0	1.0				
4878	36.0	37.0	1.0				
4879	37.0	38.0	1.0				
4880	38.0	39.0	1.0				
4881	39.0	40.0	1.0				
4882	40.0	41.0	1.0				
4883	41.0	42.0	1.0				
4884	42.0	43.0	1.0				
4885	43.0	44.0	1.0				
4886	44.0	45.0	1.0				
4887	45.0	46.0	1.0				
4888	46.0	47.0	1.0				
4889	47.0	48.0	1.0				
4890	48.0	49.0	1.0				
4891	49.0	50.0	1.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT:

HOLE NO.: Z-80-7

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES
		- 43.9-45.7:	
		- graphitic matrix to fragments	
		- carbonate rich	
		- fine bedded tuffs from 46.0-49.5	
56.95	58.5	GRAPHITIC ARGILLITE	
		- well bedded	- 5% Po + minor Py
		- graphit	
		- 60°-70° to core axis	
58.5	59.59	SILICEOUS ARGILLITE	
		- fine grained	- 1% sulfides
		- massive	
		- minor qtz.-carb veining	
59.59	59.95	GRAPHITIC ARGILLITE	20% sulfides predominantly Po
		- as above	with trace Py
59.95	70.85	COARSE FRAGMENTAL	5% sulfides throughout with 60-70%
		- angular fragments averaging 3 cm in size	Py from 59.95-60.47
			- Py as matrix to fragments
		- frags very altered in appearance	
		- carbonate rich matrix	
		- 5% qtz.-carb. veining	
70.85	89.96	ARGILLITE	
		- fine grained	-tectonic breccia from 88.8-89.0
		- coarsely bedded	with calcite cement
		- chloritic	
		- 3% qtz.-carb. veins (1mm to 2 mm) cutting core at 20°-30°	
89.96	94.2	COARSE FRAGMENTAL	- 89.96-90.20 - 70% Py
		- angular fragments (5-10 cm)	- massive and interstitial to fragments
		- carbonate rich and graphite rich matrix	- 3% sulfides throughout (Po, Py)
		- light coloured chloritic fragments	
		- 5% qtz.-carb. veining	

ANALYTICAL RESULTS							
SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4892	50.0	51.0	1.0				
4893	51.0	52.0	1.0				
4894	52.0	53.0	1.0				
4895	53.0	54.0	1.0				
4896	54.0	55.0	1.0				
4897	55.0	56.0	1.0				
4898	56.0	56.95	0.95				
4899	56.95	57.75	0.80				
4900	57.75	58.5	0.75				
4901	58.5	59.59	1.09				
4902	59.59	60.47	0.88				
4903	60.47	61.0	0.53				
4904	61.0	62.0	1.0				
4905	62.0	63.0	1.0				
4906	63.0	64.0	1.0				
4907	64.0	65.0	1.0				
4908	65.0	66.0	1.0				
4909	66.0	68.0	2.0				
4910	68.0	70.0	2.0				
4911	70.0	70.85	0.85				
4912	70.85	72.5	1.65				
4913	72.5	74.0	1.5				
4914	74.0	76.0	2.0				
4915	76.0	78.0	2.0				
4916	78.0	80.0	2.0				
4917	80.0	82.0	2.0				
4918	82.0	84.0	2.0				
4919	84.0	86.0	2.0				
4920	86.0	88.0	2.0				
4921	88.0	89.96	1.96				
4922	89.96	90.5	0.54				
4923	90.5	91.0	0.50				
4925	91.0	93.0	2.0				
4926	93.0	94.0	1.0				
4927	94.0	95.0	1.0				
4928	95.0	96.0	1.0				
4929	96.0	97.0	1.0				
4930	97.0	98.0	1.0				
4931	98.0	100.0	2.0				

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT:

HOLE NO.: Z-80-7

FROM	TO	LITHOLOGY AND ALTERATION	MINERALIZATION-STRUCTURES
94.2	136.2	MAFIC TUFF	1% Py, Po as disseminated sulfides
		- fine grained	
		- chloritic	
		- 1% quartz-carb. veining	
		- light coloured, fine grained sections with chloritic clots at 98.97-99.10, 100.29-100.50, 100.70-100.97	
		- coarse fragments from 101.6-103.0, 116.0-118.6, 126.0-136.2	
		- carbonate rich from 108.85-136.2	
		- finely bedded with 20% Py at 112.77-112.86	
		- calcite veins from 111.9-112.12, 114.65-114.7	
		- graphitic matrix to frags 116.85-116.95	
		- finely banded siliceous and calcarious unit with 20-25% Py at 124.7-126.0	
		- white glassy shards and fragments at 127.0-127.8	
		- possible variolites at 135.7	
		END OF HOLE	

ANALYTICAL RESULTS							
SAMPLE	FROM	TO	LENGTH	Cu (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
4932	100.0	102.0	2.0				
4933	102.0	104.0	2.0				
4934	104.0	106.0	2.0				
4935	106.0	107.5	1.5				
4936	107.5	108.85	1.35				
4937	108.85	110.0	1.15				
4938	110.0	111.0	1.0				
4939	111.0	112.0	1.0				
4940	112.0	113.0	1.0				
4941	113.0	115.0	2.0				
4942	115.0	116.0	1.0				
4943	116.0	117.0	1.0				
4944	117.0	118.0	1.0				
4945	118.0	119.0	1.0				
4946	119.0	120.0	1.0				
4947	120.0	121.0	1.0				
4948	121.0	122.0	1.0				
4949	122.0	123.0	1.0				
4950	123.0	124.0	1.0				
4951	124.0	125.0	1.0				
4952	125.0	126.0	1.0				
4953	126.0	127.0	1.0				
4954	127.0	128.0	1.0				
4955	128.0	129.0	1.0				
4956	129.0	130.0	1.0				
4957	130.0	131.0	1.0				
4958	131.0	132.0	1.0				
4959	132.0	133.0	1.0				
4960	133.0	134.0	1.0				
4961	134.0	135.0	1.0				
4962	135.0	136.2	1.2				

ALLERSTON

LEGEND

GEOPHYSICAL COVERAGE

MAX-MIN a = 50m

MAX-MIN a = 100m

I.P

MAX-MIN

ANOMALY LOCATION, a = 50m } WITH INTERPRETED CONDUCTIVITY THICKNESS IN mhos

ANOMALY LOCATION, a = 100m

I.P

STRONG ANOMALY

MEDIUM ANOMALY

WEAK ANOMALY

MAGNETISM

1000 and 2000 γ CONTOURS

1 IP ANOMALY NUMBER

Z-80-1 Drill Hole Location

(Ralph L. Allerston, Project Zavitz Twp.)

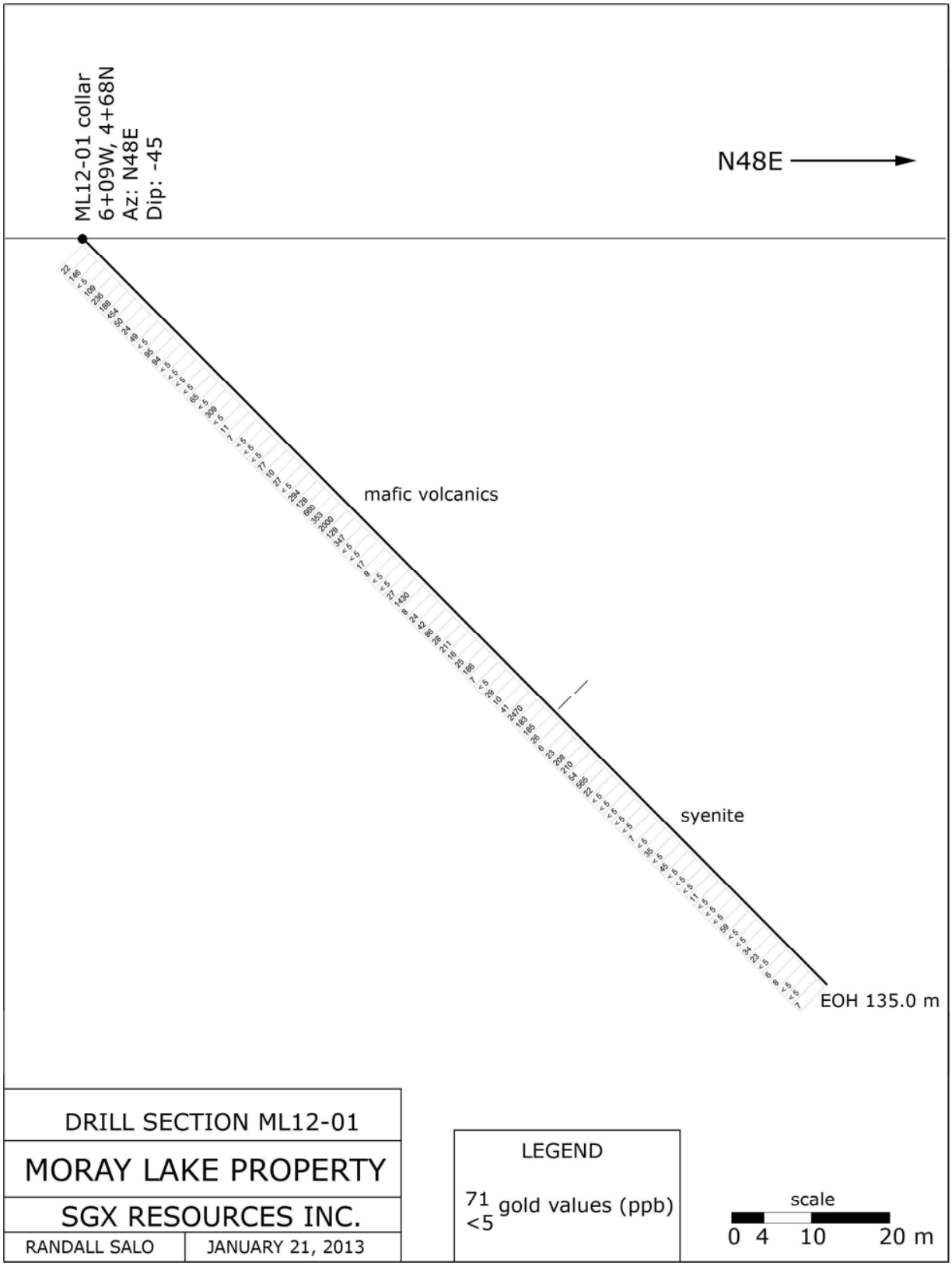
GEOPHYSICAL COMPILATION

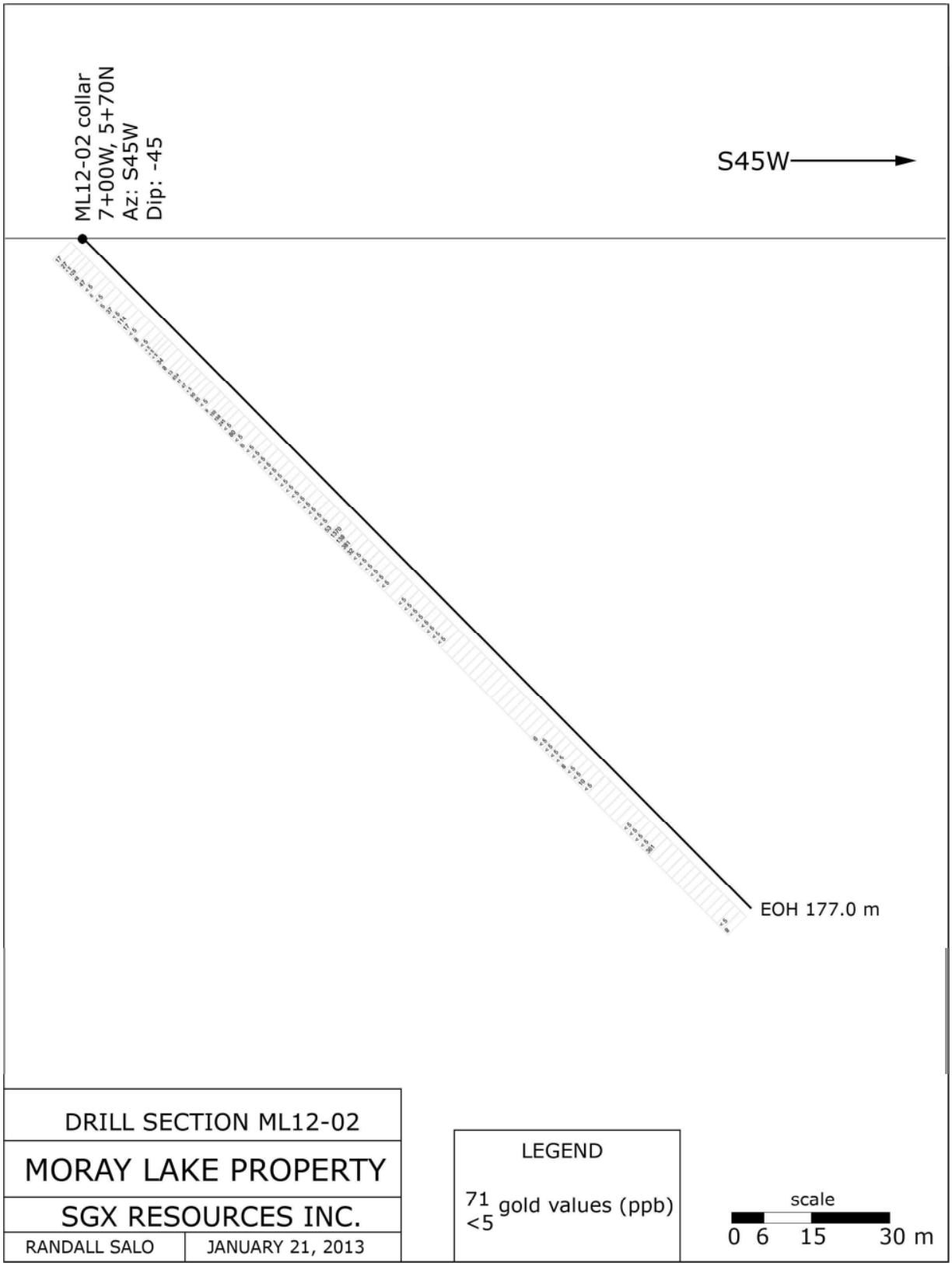
NEWMONT EXPLORATION OF CANADA LTD

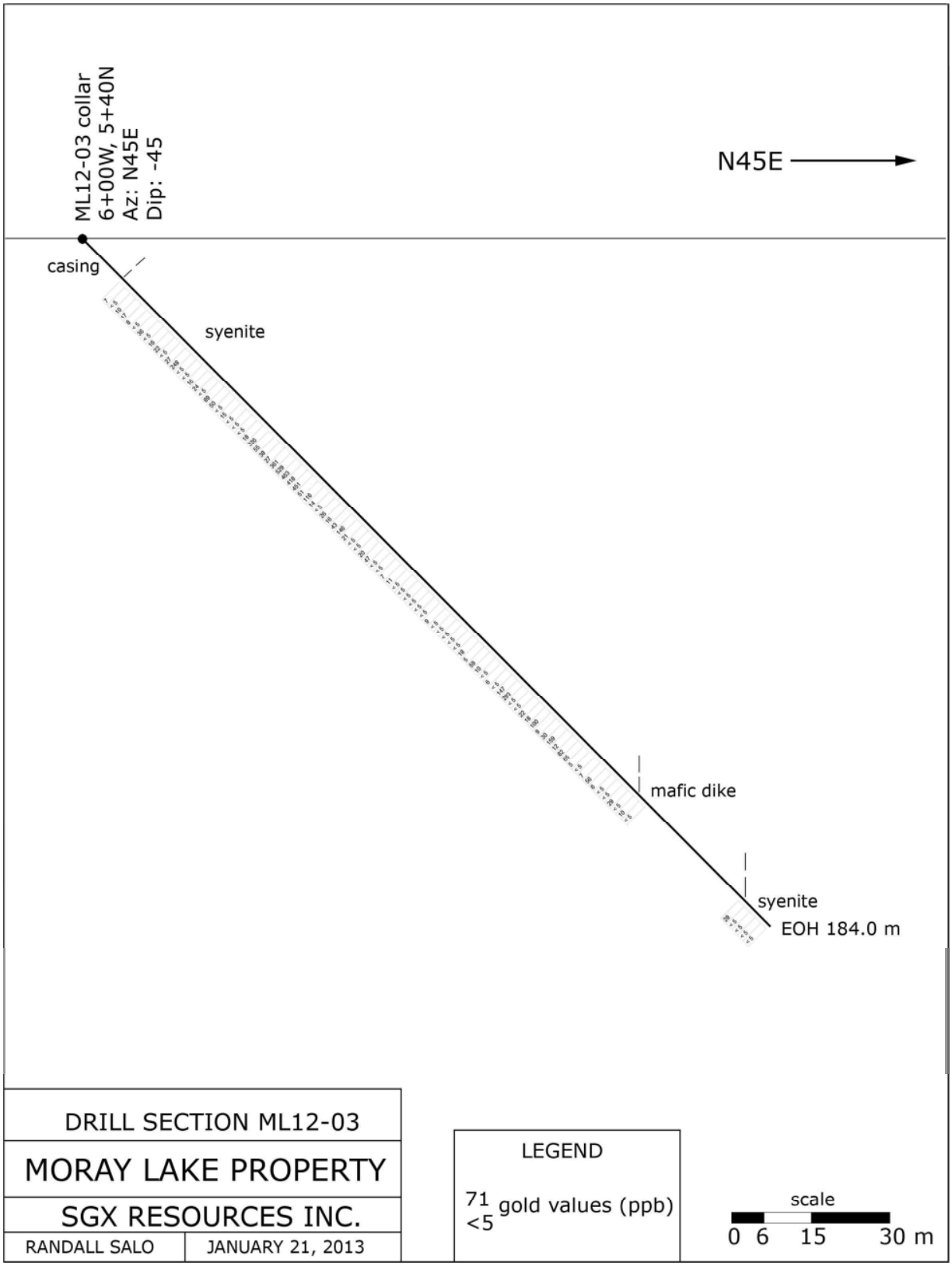
LAMOIE/GARCHER & ASSOC.

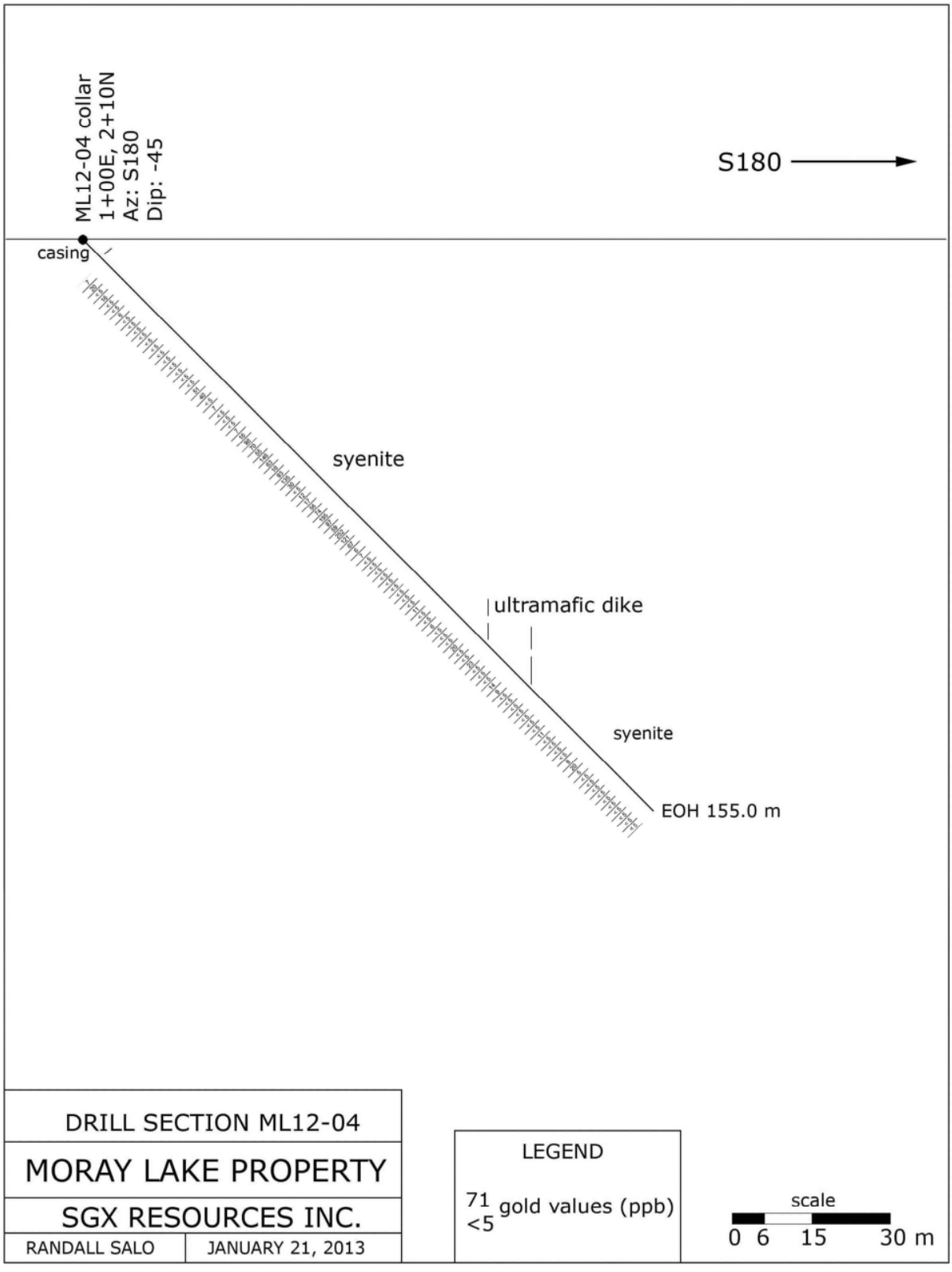
PROJECT No. 210
ZAVITZ / HINCKS TWPS
ONTARIO

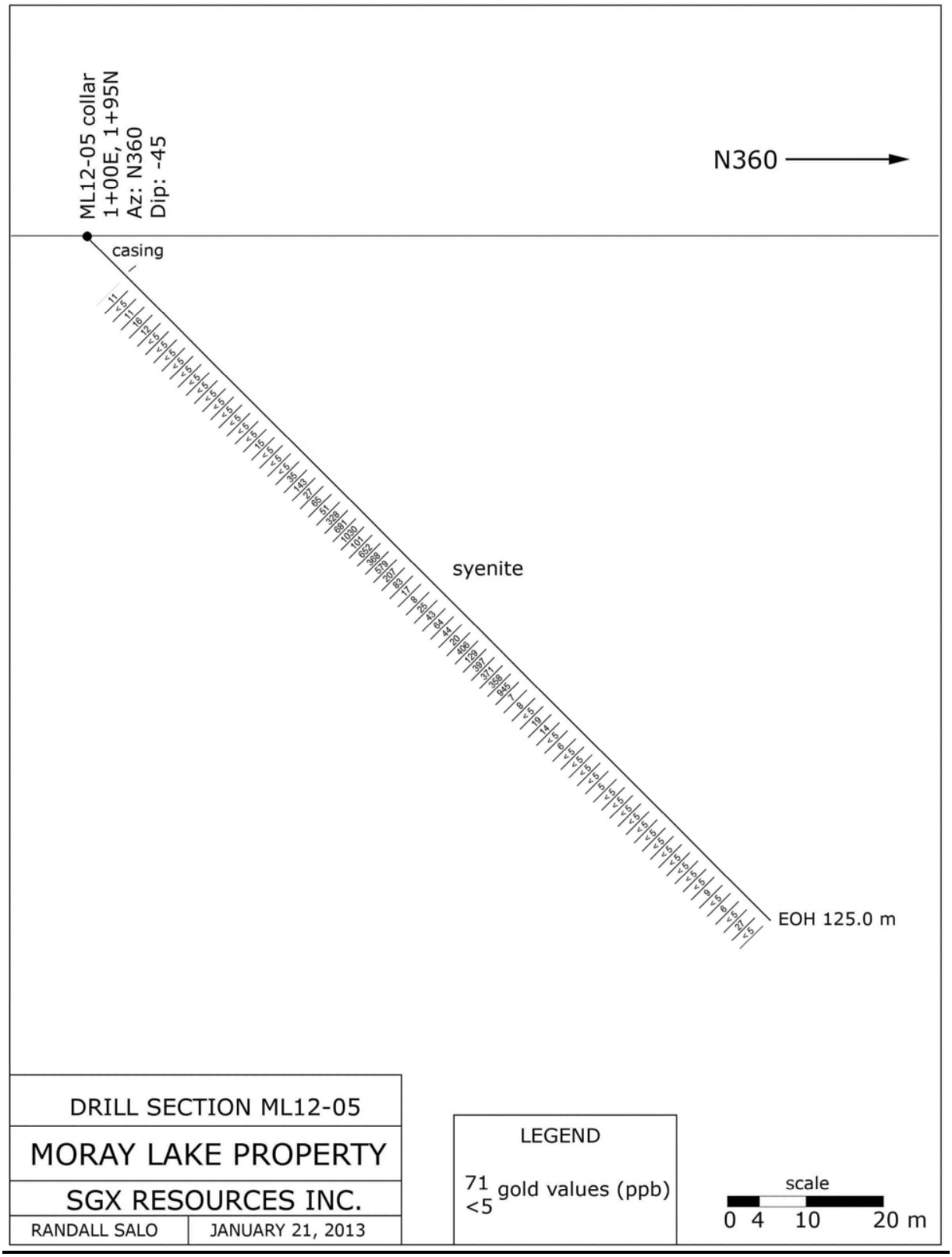
Map 2

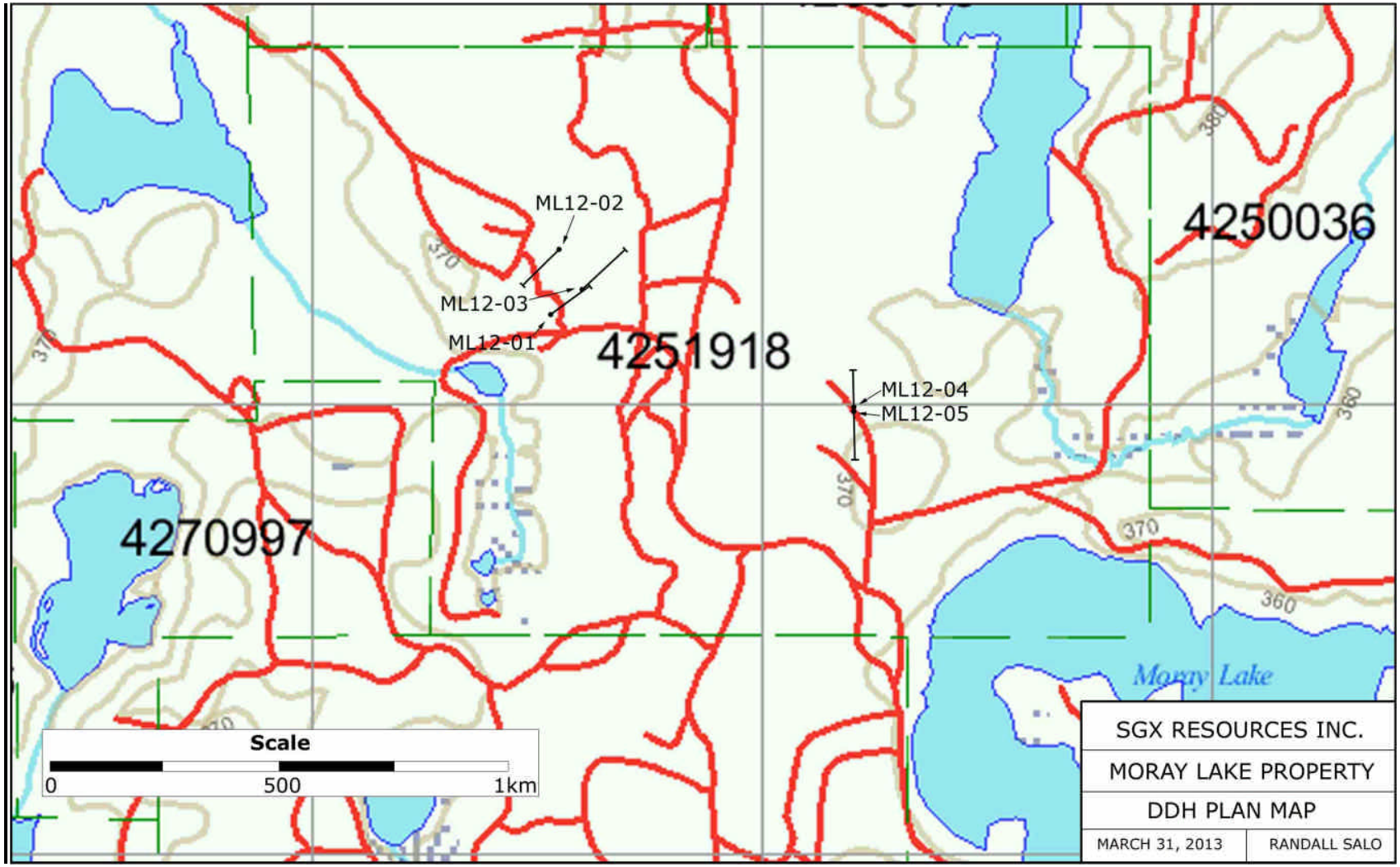

ML12-01 collar
6+09W, 4+68N
Az: N48E
Dip: -45
N48E
mafic volcanics
syenite
EOH 135.0 m
DRILL SECTION ML12-01
MORAY LAKE PROPERTY
SGX RESOURCES INC.
RANDALL SALO
JANUARY 21, 2013
LEGEND
71 gold values (ppb)
<5
scale
0 4 10 20 m


ML12-02 collar
7+00W, 5+70N
Az: S45W
Dip: -45
S45W
EOH 177.0 m
DRILL SECTION ML12-02
MORAY LAKE PROPERTY
SGX RESOURCES INC.
RANDALL SALO
JANUARY 21, 2013
LEGEND
71 gold values (ppb)
<5
scale
0 6 15 30 m


ML12-03 collar
6+00W, 5+40N
Az: N45E
Dip: -45
N45E
casing
syenite
mafic dike
syenite
EOH 184.0 m
DRILL SECTION ML12-03
MORAY LAKE PROPERTY
SGX RESOURCES INC.
RANDALL SALO
JANUARY 21, 2013
LEGEND
71 gold values (ppb)
<5
scale
0 6 15 30 m


ML12-04 collar
1+00E, 2+10N
Az: S180
Dip: -45
S180
casing
syenite
ultramafic dike
syenite
EOH 155.0 m
DRILL SECTION ML12-04
MORAY LAKE PROPERTY
SGX RESOURCES INC.
RANDALL SALO
JANUARY 21, 2013
LEGEND
71
<5
gold values (ppb)
scale
0 6 15 30 m


ML12-05 collar
1+00E, 1+95N
Az: N360
Dip: -45
N360
casing
syenite
EOH 125.0 m
DRILL SECTION ML12-05
MORAY LAKE PROPERTY
SGX RESOURCES INC.
RANDALL SALO
JANUARY 21, 2013
LEGEND
71 gold values (ppb)
<5
scale
0 4 10 20 m


ML12-02
ML12-03
ML12-01
ML12-04
ML12-05
4250036
4251918
4270997
Moray Lake
Scale
0
500
1km
SGX RESOURCES INC.
MORAY LAKE PROPERTY
DDH PLAN MAP
MARCH 31, 2013
RANDALL SALO

Geological Summary Sheet: ML12-01

Hole No.	From	To	Width	Code	Comments
ML12-01	0.00	83.40	83.4		Mafic Volcanic
ML12-01	83.40	135.00	**51.6**		**Mineralized Diorite - Syenite**
					135.0 m EOH

DIAMOND DRILL CORE LOG
SGX Resources Inc.

Project: Moray Lake
DDH No.: ML12-01
Logged by: R. Salo
MG Drilling
HOMEMADE
Core Size: BQTW
Casing Left: No
Start Date: Dec. 5, 2012
Completion Date: Dec. 6 2012

Easting: Northing:
Grid Co-ordinates: 609 W 468 N
Collar Elevation (m): m
Azimuth at Collar: 48 deg NE
Dip at Collar: -45
Length of Hole: 135.0 m

Section (m)		Description
From	To	
0.00	83.40	**Mafic Volcanic**
		massive basalt, locally tuffaceous especially down to 17 m, weakly magnetic only locally, weakly foliated at 45 DTCA, common epidote +/- fine-gr brown-red garnet
		xlls, highly carbonate altered, numerous mm-scale qz-carb veinlets gen at high angle TCA, waxy appearance locally (sericite?), tr py cubes where unit is unaltered,
		py tenor increases rapidly where qz-carb veining/patches/silicification is apparent, py veinlets/patches commonly follow foliation/qz-carb veins, increased py
		content due to qz-carb veins at 1.7, 5.9, 7.0, 7.7, 18.0, 28.3-28.5 (qz vein with brecciated massive py fragment), 40.1, 41.0, 43.0, 43.5-43.7, 44.7-49.9 (highly
		silicified section with abundant x-cutting mm qz-carb veins with py cubes along veins, 47.5-47.82 is strongly hem/K alt with vuggy qz-carb veins), 56.5, 57.3-58.1
		(massive brecciated fg py), 80.3-80.9 (silicified, common brecciated massive fg py),
		19.3-19.4 m: fine-grained felsite dike, highly siliceous, tr dissem py, contacts at 45 DTCA and sharp
		23.5-24.6 m: fine-med grained felsite dike, local hematite/potassic overprint, 60% euhedral feldspar, 30% qz, 10% mafic (hornblende), common py cubes and
		aggregations ~ 1%, late mm qz-carb veinlets at all angles gen have hematite/K coloration along contacts up to 1 cm, contacts sharp at 35 DTCA, local chlorite-
		rich areas associated with qz patches
		27.9-28.3 m: mafic dike, fg, contacts irregular and sharp at 80 DTCA and occupied by qz veins, no visible sulfide
		29.0 m: <cm felsic dikelet following foliation at 45 DTCA, med-gr, 80% white feld xlls-20% fg mafic mineral matrix
		50.0 m: 2 cm felsic dikelet as above at 10 DTCA
		51.6-53.4 m: felsic dike, med-gr as above, diorite?, 50% white feldspar grains <1 cm, 50% mafic fg matrix with some <0.5 cm euhedral xlls (hornblende), common
		mm-scale chlorite veinlets at all angles with assoc common fg py cubes, py is also assoc with mafic matrix in vicinity of chlorite veins, 4 cm felsite dike similar to 23.5-
		24.6 m at 53.0 m at 60 DTCA, contacts are sharp and irregular at 80 DTCA,
		63.95-64.1 m: felsic dike, offset by qz-carb vein, some mm qz veins with hem alt
		65.4-65.6 m: felsic dike patch,
		66.8 m: felsic dike, 1 cm, at 45 DTCA
		69.15 m: felsic dike, 1 cm at 40 DTCA
		69.5 m: felsic dike, 1 cm at 40 DTCA
		69.6 m: felsic dike, 1 cm at 40 DTCA
		70.3-70.6 m: felsic dike, 40 DTCA
		71.1-71.7 m: felsic dike, at 45 DTCA
		73.8-74.5 m: ultramafic dike as above, contacts at 85 DTCA
		79.2 m:2 cm felsic dike at 45 DTCA
		81.0 m: 3 cm felsic dike at 35 DTCA
		82.2 m: 4 cm felsic dike at 70 DTCA
		82.6 m: 3 cm felsic dike at 70 DTCA
83.40	135.00	**Mineralized Diorite - Syenite**
		as above dikes, alkali alt feldspars, increased mafic component near contact, generally 70% euhedral white feldspar xlls and 30% fg mafic grains with some
		distinct med-gr mafic xlls, common mafic volcanic xenoliths gen <5 cm and rounded, common thin bull-white qz veins at all angles often vuggy and gen with hem/K alt
		along contacts, hem/K pinkish overprint more distinct in the feldspar xlls (syenitie ?), several generations of qz veining, common chlorite observed as patches
		and along fractures/slips and gen assoc with shiny py cubes and cpy blebs, unit/intrusive contains avg 2% sulfide gen assoc with qz veining, along contacts of mafic
		grains and along chloritic slips, unit is highly fractured/blocky
		90.7-91.6 m: highly silicified with strong hematite/K overprint and 3% fg py assoc with hairline chloritic fracture fills, low angle 2 cm felsite dike
		104.3-104.9 m: bull-white qz vein with 0.5-1% py and cpy assoc with chlorite whisps
		107.7-108.1 m: mafic xenolith, weakly hem alt, mod silicification
		135.0 m EOH

Hole No.	Sample No.	From (m)	To (m)	Width (m)	Assay Au ppb	Comments
ML12-01	755001	0.0	1.5	1.5	22	renamed from ZS-01
ML12-01	755002	1.5	3.0	1.5	146	
ML12-01	755003	3.0	4.5	1.5	< 5	
ML12-01	755004	4.5	6.0	1.5	109	
ML12-01	755005	6.0	7.5	1.5	236	
ML12-01	755006	7.5	9.0	1.5	188	**0.247 g/t / 6.0 m**
ML12-01	755007	9.0	10.5	1.5	454	
ML12-01	755008	10.5	12.0	1.5	50	
ML12-01	755009	12.0	13.5	1.5	24	
ML12-01	755010	13.5	15.0	1.5	49	
ML12-01	755011	15.0	16.5	1.5	< 5	
ML12-01	755012	16.5	18.0	1.5	95	
ML12-01	755013	18.0	19.5	1.5	94	
ML12-01	755014	19.5	21.0	1.5	< 5	
ML12-01	755015	21.0	22.5	1.5	< 5	
ML12-01	755016	22.5	23.5	1.0	< 5	
ML12-01	755017	23.5	24.6	1.1	< 5	
ML12-01	755018	24.6	26.0	1.4	65	
ML12-01	755019	26.0	27.0	1.0	< 5	
ML12-01	755020	27.0	28.5	1.5	309	
ML12-01	755021	28.5	30.0	1.5	< 5	
ML12-01	755022	30.0	31.5	1.5	11	
ML12-01	755023	31.5	33.0	1.5	7	
ML12-01	755024	33.0	34.5	1.5	< 5	
ML12-01	755025	34.5	36.0	1.5	< 5	
ML12-01	755026	36.0	37.5	1.5	< 5	
ML12-01	755027	37.5	39.0	1.5	77	
ML12-01	755028	39.0	40.5	1.5	10	
ML12-01	755029	40.5	42.0	1.5	27	
ML12-01	755030	42.0	43.0	1.0	< 5	
ML12-01	755031	43.0	44.0	1.0	294	
ML12-01	755032	Std	CDN-GS-2L		2390	2.34 g/t Au std
ML12-01	755033	Blnk	CDN-BL-10		< 5	
ML12-01	755034	44.0	45.0	1.0	128	
ML12-01	755035	45.0	46.0	1.0	660	**0.558 g/t / 7.0 m**
ML12-01	755036	46.0	47.0	1.0	353	
ML12-01	755037	47.0	48.0	1.0	2000	
ML12-01	755038	48.0	49.0	1.0	129	
ML12-01	755039	49.0	50.0	1.0	347	
ML12-01	755040	50.0	51.0	1.0	< 5	
ML12-01	755041	51.0	51.6	0.6	< 5	
ML12-01	755042	51.6	52.5	0.9	17	
ML12-01	755043	52.5	53.4	0.9	8	
ML12-01	755044	53.4	54.0	0.6	< 5	
ML12-01	755045	54.0	55.5	1.5	< 5	
ML12-01	755046	55.5	57.0	1.5	27	
ML12-01	755047	57.0	58.5	1.5	1430	
ML12-01	755048	58.5	60.0	1.5	8	
ML12-01	755049	60.0	61.5	1.5	24	
ML12-01	755050	61.5	63.0	1.5	42	
ML12-01	755051	63.0	64.5	1.5	86	
ML12-01	755052	64.5	66.0	1.5	28	
ML12-01	755053	66.0	67.5	1.5	211	
ML12-01	755054	67.5	69.0	1.5	16	
ML12-01	755055	69.0	70.5	1.5	25	
ML12-01	755056	70.5	72.0	1.5	186	
ML12-01	755057	72.0	73.5	1.5	7	
ML12-01	755058	73.5	75.0	1.5	< 5	
ML12-01	755059	75.0	76.5	1.5	29	
ML12-01	755060	76.5	78.0	1.5	10	
ML12-01	755061	78.0	79.5	1.5	41	
ML12-01	755062	79.5	81.0	1.5	2470	**(2.47 g/t / 1.5 m)**
ML12-01	755063	81.0	82.5	1.5	183	
ML12-01	755064	82.5	83.4	0.9	185	
ML12-01	755065	Std	CDN-GS-2L		2420	2.34 g/t Au std
ML12-01	755066	Blnk	CDN-BL-10		< 5	
ML12-01	755067	83.4	84.0	0.6	26	
ML12-01	755068	84.0	85.5	1.5	6	
ML12-01	755069	85.5	87.0	1.5	23	**0.494 g/t / 12.1 m**
ML12-01	755070	87.0	88.5	1.5	208	
ML12-01	755071	88.5	90.0	1.5	210	
ML12-01	755072	90.0	90.7	0.7	54	
ML12-01	755073	90.7	91.6	0.9	565	
ML12-01	755074	91.6	93.0	1.4	22	
ML12-01	755075	93.0	94.5	1.5	< 5	
ML12-01	755076	94.5	96.0	1.5	< 5	
ML12-01	755077	96.0	97.5	1.5	< 5	
ML12-01	755078	97.5	99.0	1.5	< 5	

ML12-01	755079	99.0	100.5	1.5	< 5	
ML12-01	755080	100.5	102.0	1.5	7	
ML12-01	755081	102.0	103.5	1.5	< 5	
ML12-01	755082	103.5	105.0	1.5	35	
ML12-01	755083	105.0	106.5	1.5	< 5	
ML12-01	755084	106.5	108.0	1.5	45	
ML12-01	755085	108.0	109.5	1.5	< 5	
ML12-01	755086	109.5	111.0	1.5	< 5	
ML12-01	755087	111.0	112.5	1.5	< 5	
ML12-01	755088	112.5	114.0	1.5	11	
ML12-01	755089	114.0	115.5	1.5	< 5	
ML12-01	755090	115.5	117.0	1.5	< 5	
ML12-01	755091	117.0	118.5	1.5	< 5	
ML12-01	755092	118.5	120.0	1.5	59	
ML12-01	755093	120.0	121.5	1.5	< 5	
ML12-01	755094	121.5	123.0	1.5	< 5	
ML12-01	755095	123.0	124.5	1.5	34	
ML12-01	755096	124.5	126.0	1.5	23	
ML12-01	755097	126.0	127.5	1.5	< 5	
ML12-01	755098	Std	CDN-GS-6A		6040	5.69 g/t Au Std
ML12-01	755099	Blnk	CDN-BL-10		< 5	
ML12-01	755100	127.5	129.0	1.5	6	
ML12-01	755101	129.0	130.5	1.5	8	
ML12-01	755102	130.5	132.0	1.5	< 5	
ML12-01	755103	132.0	133.5	1.5	< 5	
ML12-01	755104	133.5	135.0	1.5	7	

Hole #	Box #	% Quartz Veins	% Sulfide	RQD	start (m)
ML12-01	1	1.0	2.5	100	0.0
ML12-01	2	1.0	2.0	100	4.0
ML12-01	3	1.0	2.0	100	8.3
ML12-01	4	1.0	2.0	100	12.6
ML12-01	5	1.0	2.0	100	16.9
ML12-01	6	1.0	2.0	100	21.2
ML12-01	7	1.0	2.0	100	25.6
ML12-01	8	1.0	2.0	100	30.0
ML12-01	9	1.0	2.0	100	34.4
ML12-01	10	1.0	2.0	100	38.6
ML12-01	11	4.0	3.0	100	42.8
ML12-01	12	4.0	4.0	100	47.0
ML12-01	13	1.0	2.0	100	51.2
ML12-01	14	1.0	2.5	100	55.5
ML12-01	15	1.0	2.0	100	59.9
ML12-01	16	1.0	2.0	100	64.3
ML12-01	17	1.0	2.0	100	68.5
ML12-01	18	1.0	2.0	100	72.7
ML12-01	19	3.0	5.0	100	77.0
ML12-01	20	1.0	2.5	100	81.3
ML12-01	21	2.0	2.0	100	85.3
ML12-01	22	2.0	4.0	100	89.0
ML12-01	23	1.0	2.0	100	93.0
ML12-01	24	1.0	2.0	100	97.0
ML12-01	25	3.0	1.0	100	101.0
ML12-01	26	7.0	1.0	95	104.0
ML12-01	27	1.0	1.0	97	107.7
ML12-01	28	2.0	2.0	97	111.7
ML12-01	29	2.0	3.0	97	115.2
ML12-01	30	2.0	3.0	97	118.6
ML12-01	31	2.0	3.0	97	121.3
ML12-01	32	3.0	3.0	97	125.2
ML12-01	33	1.0	3.0	97	128.6
ML12-01	34	2.0	3.0	97	132.5

acid test

Hole	Dist	Az	Dip	Mag	Comments
ML12-01	50.00	48.0	-46.0		
ML12-01	100.00	48.0	-47.0		

Geological Summary Sheet: ML12-02

Hole No.	From	To	Width	Code	Comments
ML12-02	0.00	39.60	**39.6**		**Mafic Volcanics - Felsic Dikes**
ML12-02	39.60	177.00	137.4		Mafic Volcanics
					177.0 m EOH

DIAMOND DRILL CORE LOG

SGX Resources Inc.

Project: Moray Lake

DDH No.: ML12-02

Logged by: R. Salo

Easting: Northing:
Grid Co-ordinates: 700 W 570 N
Collar Elevation (m): m
Azimuth at Collar: 225 deg SW
Dip at Collar: -45
Length of Hole: 177.0 m

MG Drilling
HOMEMADE
Core Size: BQTW
Casing Left: No
Start Date: Dec. 7, 2012
Completion Date: Dec. 9 2012

Section (m)		Description
From	To	
0.00	39.60	**Mafic Volcanic - (Felsic Dikes)**
		fg, massive/flow, relatively undeformed, weak foliation locally at 75 DTCA, common mm-scale qz-calcite veins <2 cm often with py along contacts, common epidote/fine-gr
		garnet following highly deformed earlier qz-carb veining, weak tyo no magnetism in unaltered/undeformed volcanics, strongly magnetic in deformed areas and along intrusive
		contacts, highly carbonated in qz-calcite veins proper, avg 2% disseminated, veinlet (following foliation), and qz vein related fg pyrite, several felsic dikes at:
		0.05-0.38 m: diorite/monzonite, hematite/K alt overprint, similar to main intrusive in M-01, tr fg dissem py, sharp faulted upper contact at 45 DTCA, brecciated
		lower contact at 50 DTCA
		2.6-2.8 m: sharp irregular contacts, similar to above, thin qz veinlets at 45 DTCA, 2% vfg py assoc with qz veining/mafic/chloritic component, reddish overprint
		3.4-3.47 m: as above, sharp contacts at 45DTCA, tr fg py, reddish overprint
		3.7-5.3 m: as above, common thin qz veins at 60 DTCA and common hairline chloritic slips at all angles, silicified, 2-3% fg py assoc with silicification and chlorite, sharp upper contact
		at 85 DTCA, brecciated lower contact at 85 DTCA, reddish overprint
		6.34-6.43 m: as above, sharp contacts at 45 DTCA, tr dissem py, reddish overprint
		8.3-12.0 m: as above 75% med-gr feld xlls-25% black matrix hornbl/chlorite, reddish overprint, fin-gr felsite dike from 11.6-11.7 m sharp at 45 DTCA, 1% fg py as above
		17.9-24.5 m: as above, several fg felsite dikes below 20 m, 0.5% py as above, reddish overprint
		24.9 m: 3 cm dike at 45 DTCA
		30.5-31.2 m: as above, upper contact sharp at 50 DTCA, lower contact sharp at 75 DTCA, 1% fg py as above, reddish overprint
		31.9-32.1 m: as above, 2/1 cm bull-white qz veins with distinct mm chlorite contacts, reddish overprint, 1% fg py as above, contacts sharp at 75 DTCA
		33.4-36.9 m: as above, fg felsite dike from 34.7-35.6 m, reddish overprint, reddish overprint, 2% fg py as above, contacts sharp at 45 DTCA
		38.9-39.6 m: as above, highly siliceous, similar in places to fg felsite dikes observed above that are likely highly silica altered/phase of the texturally competent intrusive
		volcanics are bleached in dike contact areas, notable mineralized sections at 0.5, 5.3-5.8, 12.2-12.4, 15.0, 27.4, 37.2 m
39.60	177.00	**Mafic Volcanics**
		as above, weakly foliated at 45 DTCA, tuffaceous from 47.7-48.1 m, from 108-153 m is a dark brown alteration assoc with carbonate-rich veins/whisps (increased Fe content),
		massive py-po section from 125.6-127.3 m, common intercalated coarser grained and tuffaceous sections below 117 m, 134-138 m has common pyrrhotite patches and
		streaks gen following foliation, avg 2% py and pyrrhotite assoc with qz veining and as veinlets along foliation planes
		Dikes from:
		60.7-61.2 m: reddish overprint, granitic in composition, sharp contacts at 45 DTCA
		80.65-80.85 m: as above 60-61 m, sharp contacts at 60 DTCA
		82.6-82.7 m: highly silica alt, purple colour, faint white feldspar phenochrysts, contacts sharp at 50 DTCA, nmo visible sulfide, strong hem/K alt locally
		89.1-92.85 m: ultramafic dike (mafic? diorite?), similar to others in the locale, fine-gr, non-magnetic, highly carbonated, 2% fg dissem py cubes, from 92.2-92.84 m is a
		irregular fg granitic dike at low core angle, contacts sharp at 30 DTCA
		101.1 m: highly siliceous fg, 3 cm, sharp contacts at 45 DTCA
		notable mineralized sections at 55.9, 68.1-71.3 (highly chloritic, moderately siliceous, 4-5% fg py as dissem and aggregates assoc with qz-carb veins/bx +/- hem/K alt),
		73.1-73.7 (bx fg massive py), 125.6-127.3 (massive py-po comprising 60% of core), 153-154 (several thin qz veins),
		177.0 m EOH

Hole No.	Sample No.	From (m)	To (m)	Width (m)	Assay Au ppb	Comments
ML12-02	755105	0.0	1.5	1.5	17	
ML12-02	755106	1.5	3.0	1.5	27	
ML12-02	755107	3.0	3.7	0.7	< 5	
ML12-02	755108	3.7	4.7	1.0	129	
ML12-02	755109	4.7	5.6	0.9	48	
ML12-02	755110	5.6	7.0	1.4	47	
ML12-02	755111	7.0	8.3	1.3	< 5	
ML12-02	755112	8.3	9.0	0.7	6	
ML12-02	755113	9.0	10.5	1.5	< 5	
ML12-02	755114	10.5	12.0	1.5	5	
ML12-02	755115	12.0	13.5	1.5	37	
ML12-02	755116	13.5	15.0	1.5	< 5	
ML12-02	755117	15.0	16.5	1.5	114	
ML12-02	755118	16.5	18.0	1.5	17	
ML12-02	755119	18.0	19.5	1.5	< 5	
ML12-02	755120	19.5	21.0	1.5	8	
ML12-02	755121	21.0	22.5	1.5	< 5	
ML12-02	755122	22.5	23.5	1.0	< 5	
ML12-02	755123	23.5	24.5	1.0	< 5	
ML12-02	755124	24.5	25.5	1.0	< 5	
ML12-02	755125	25.5	27.0	1.5	34	
ML12-02	755126	27.0	28.5	1.5	8	
ML12-02	755127	28.5	29.5	1.0	13	
ML12-02	755128	29.5	30.5	1.0	654	**0.654 g/t / 1.0 m**
ML12-02	755129	30.5	31.2	0.7	17	
ML12-02	755130	31.2	32.2	1.0	47	
ML12-02	**755131**	Std	CDN-GS-P7E		827	0.766 g/t std
ML12-02	**755132**	Blnk	CDN-BL-10		< 5	
ML12-02	755133	32.2	33.4	1.2	< 5	
ML12-02	755134	33.4	34.4	1.0	90	
ML12-02	755135	34.4	35.4	1.0	85	
ML12-02	755136	35.4	36.9	1.5	< 5	
ML12-02	755137	36.9	37.9	1.0	9	
ML12-02	755138	37.9	38.9	1.0	100	
ML12-02	755139	38.9	39.6	0.7	198	**0.161 g/t / 2.7 m**
ML12-02	755140	39.6	40.6	1.0	245	
ML12-02	755141	40.6	42.0	1.4	< 5	
ML12-02	755142	42.0	43.5	1.5	80	
ML12-02	755143	43.5	45.0	1.5	< 5	
ML12-02	755144	45.0	46.5	1.5	6	
ML12-02	755145	46.5	48.0	1.5	< 5	
ML12-02	755146	48.0	49.5	1.5	< 5	
ML12-02	755147	49.5	51.0	1.5	< 5	
ML12-02	755148	51.0	52.5	1.5	< 5	
ML12-02	755149	52.5	54.0	1.5	< 5	
ML12-02	755150	54.0	55.5	1.5	< 5	
ML12-02	755151	55.5	57.0	1.5	< 5	
ML12-02	755152	57.0	58.5	1.5	< 5	
ML12-02	755153	58.5	60.0	1.5	< 5	
ML12-02	755154	60.0	61.5	1.5	< 5	
ML12-02	755155	61.5	63.0	1.5	< 5	
ML12-02	755156	63.0	64.5	1.5	< 5	
ML12-02	755157	64.5	66.0	1.5	< 5	
ML12-02	755158	66.0	67.5	1.5	< 5	
ML12-02	755159	67.5	69.0	1.5	53	
ML12-02	755160	69.0	70.5	1.5	1370	
ML12-02	755161	70.5	72.0	1.5	138	**0.629 g/t / 4.5 m**
ML12-02	755162	72.0	73.5	1.5	381	
ML12-02	755163	73.5	75.0	1.5	32	
ML12-02	**755164**	Std	CDN-GS-1J		722	0.946 g/t std
ML12-02	**755165**	Blnk	CDN-BL-10		< 5	
ML12-02	755166	75.0	76.5	1.5	< 5	
ML12-02	755167	76.5	78.0	1.5	< 5	
ML12-02	755168	78.0	79.5	1.5	< 5	
ML12-02	755169	79.5	81.0	1.5	< 5	
ML12-02	755170	81.0	82.5	1.5	< 5	
ML12-02	755171	82.5	84.0	1.5	< 5	
ML12-02	755172	87.0	88.5	1.5	< 5	
ML12-02	755173	88.5	90.0	1.5	< 5	
ML12-02	755174	90.0	91.5	1.5	< 5	
ML12-02	755175	91.5	93.0	1.5	< 5	
ML12-02	755176	93.0	94.5	1.5	< 5	
ML12-02	755177	94.5	96.0	1.5	< 5	
ML12-02	755178	96.0	97.5	1.5	< 5	
ML12-02	755179	97.5	99.0	1.5	< 5	
ML12-02	755180	123.0	124.5	1.5	6	
ML12-02	755181	124.5	126.0	1.5	< 5	

ML12-02	755182	126.0	127.5	1.5	< 5	
ML12-02	755183	127.5	129.0	1.5	< 5	
ML12-02	755184	129.0	130.5	1.5	< 5	
ML12-02	755185	130.5	132.0	1.5	8	
ML12-02	755186	132.0	133.5	1.5	< 5	
ML12-02	755187	133.5	135.0	1.5	< 5	
ML12-02	755188	135.0	136.5	1.5	10	
ML12-02	755189	136.5	138.0	1.5	< 5	
ML12-02	755190	147.0	148.5	1.5	< 5	
ML12-02	755191	148.5	150.0	1.5	< 5	
ML12-02	755192	150.0	151.5	1.5	< 5	
ML12-02	755193	151.5	153.0	1.5	< 5	
ML12-02	755194	153.0	154.5	1.5	361	
ML12-02	755195	172.5	174.0	1.5	< 5	
ML12-02	755196	174.0	175.5	1.5	8	
ML12-02	**755197**	Std	CDN-GS-2L		2480	2.34 g/t std
ML12-02	**755198**	Blnk	CDN-BL-10		< 5	

Hole #	Box #	% Quartz Veins	% Sulfide	RQD	start (m)
ML12-02	1	1.0	3.0	100	0.0
ML12-02	2	1.0	3.0	100	3.9
ML12-02	3	1.0	1.5	100	8.0
ML12-02	4	1.0	2.0	100	12.3
ML12-02	5	1.0	2.0	100	16.5
ML12-02	6	1.0	2.0	100	20.9
ML12-02	7	1.0	3.0	100	25.2
ML12-02	8	1.0	3.0	100	29.5
ML12-02	9	1.0	2.0	100	33.9
ML12-02	10	1.0	2.0	100	37.9
ML12-02	11	1.0	2.0	100	42.2
ML12-02	12	1.0	2.0	100	46.5
ML12-02	13	1.0	1.0	100	50.9
ML12-02	14	1.0	1.0	100	55.2
ML12-02	15	2.0	1.0	100	59.6
ML12-02	16	1.0	1.0	100	63.9
ML12-02	17	3.0	4.0	100	68.2
ML12-02	18	2.0	3.0	100	72.7
ML12-02	19	1.0	1.0	100	77.0
ML12-02	20	1.0	1.0	100	81.3
ML12-02	21	1.0	2.0	100	85.7
ML12-02	22	1.0	2.0	100	90.1
ML12-02	23	1.0	2.0	100	94.5
ML12-02	24	1.0	2.0	100	98.8
ML12-02	25	2.0	2.0	100	103.1
ML12-02	26	1.0	2.0	100	107.5
ML12-02	27	1.0	2.0	100	111.8
ML12-02	28	1.0	2.0	100	116.2
ML12-02	29	1.0	2.0	100	120.6
ML12-02	30	1.0	2.5	100	124.9
ML12-02	31	1.0	2.0	100	129.4
ML12-02	32	1.0	4.0	100	133.8
ML12-02	33	1.0	3.0	100	138.1
ML12-02	34	1.0	3.0	100	142.5
ML12-02	35	1.0	3.0	100	147.0
ML12-02	36	2.0	3.0	100	151.3
ML12-02	37	1.0	2.0	100	155.8
ML12-02	38	1.0	2.0	100	160.1
ML12-02	39	1.0	2.0	100	164.5
ML12-02	40	1.0	2.0	100	168.9
ML12-02	41	1.0	2.0	100	173.2

acid test

Hole	Dist	Az	Dip	Mag	Comments
ML12-02	50.00	225.0	-45.0		
ML12-02	100.00	225.0	-47.0		
ML12-02	150.00	225.0	-46.0		

Geological Summary Sheet: ML12-03

Hole No.	From	To	Width	Code	Comments
ML12-03	0.00	10.50	10.5		casing
ML12-03	10.50	37.60	27.1		Diorite-Syenite
ML12-03	37.60	39.30	**1.7**		**Mineralized Syenite**
ML12-03	39.30	44.80	5.5		Diorite-Syenite
ML12-03	44.80	87.00	**42.2**		**Mineralized Syenite**
ML12-03	87.00	108.10	21.1		Diorite-Syenite
ML12-03	108.10	133.10	**25**		**Mineralized Syenite**
ML12-03	133.10	149.40	16.3		Diorite-Syenite
ML12-03	149.40	179.50	30.1		Mafic Dike
ML12-03	179.50	184.00	4.50		Diorite-Syenite
					184.0 m EOH

DIAMOND DRILL CORE LOG
SGX Resources Inc.

Project: Moray Lake
DDH No.: ML12-03
Logged by: R. Salo
MG Drilling
HOMEMADE
Core Size: BQTW
Casing Left: No
Start Date: Dec. 10, 2012
Completion Date: Dec. 13, 2012

Easting: Northing:
Grid Co-ordinates: 600 W 540 N
Collar Elevation (m): m
Azimuth at Collar: 45 deg NE
Dip at Collar: -45
Length of Hole: 184.0 m

Section (m)		Description
From	To	
0.00	10.50	**casing**
10.50	184.00	**Diorite - Syenite**
		med-grained, 70% euhedral white feldspar xlls 50% of which are alkali altered (K), 30% euhedral hornblende xlls, primary igneous textures are clear except where increased
		alteration is present, common rounded xenoliths of mafic composition gen <6 cm in diameter, abundant hairline fractures gen filled with chlorite or qz-calcite and usually hosting
		fg-coarse py cubes and py cube aggregations, chloritic slips gen dominate over qz-calcite veining, intrusive hosts a pinkish colour alteration overprint more distinctly observed
		in the feldspar grains, bull-white vuggy qz veins <7 cm are common and gen occur from 45-65 DTCA, py occurs as patches and fg cubes within qz-carb veins and along contacts,
		py occurs interstitially gen attached to altered mafic grains and along chloritic slips/hairline fractures, py tenor increases with increased chlorite and with increased hematite/K
		alteration, intrusive is weakly magnetic, silicification is observed locally and is associated with increased hem/K alteration, intrusive displays strong carbonate content even in
		the less altered areas, fg mafic dikes from 21.5-22.4, 96.0-97.3, 100.9-101.3, 107.4-108.1, 149.4-179.5 m m with sharp contacts at 45-75 DTCA, two 0.5 cm cpy patches at
		139.0 m assoc with qz vein and local patch of strong hem/K alt
		Notable highly hem/K altered/silicified (concentrated thin qz veining) Mineralized Zones occur from:
		37.6-39.3 m: increased alteration and chloritic slips/fractures, 7 cm bull-whitw qz vein at 37.6 m, 1% fg py
		44.8-55.8 m: weak-mod silicification, increased hem/K alt, 1-1.5% py fg interstitial- stringer/patch qz vein related and patch/fg dissem chlorite slip related
		55.8-64.0 m: highly silicified, strong hem/K alt, several grey qz veins, avg >2% fg py
		64.0-79.8 m: weak-mod silicification, increased hem/K alt, 1.0% py fg interstitial- stringer/patch qz vein related and patch/fg dissem chlorite slip related
		79.8-80.5 m: highly silicified, strong hem/K alt, avg >2% fg py
		80.5- 87.0 m: weak-mod silicification, increased hem/K alt, 1-1.5% py fg interstitial- stringer/patch qz vein related and patch/fg dissem chlorite slip related, highly fractured down to 85 m
		108.1-133.1 m: weak-mod silicification, strong silicification locally, increased hem/K alt, 1% py fg interstitial- stringer/patch qz vein related and patch/fg dissem chlorite slip related,
		highly fractured/blocky from 111-131 m
		184.0 m EOH

Hole No.	Sample No.	From (m)	To (m)	Width (m)	Assay Au ppb	Comments
ML12-03	755199	10.5	12.0	1.5	7	
ML12-03	755200	12.0	13.0	1.0	< 5	
ML12-03	755201	13.0	14.5	1.5	10	
ML12-03	755202	14.5	16.0	1.5	17	
ML12-03	755203	16.0	17.5	1.5	8	
ML12-03	755204	17.5	19.0	1.5	< 5	
ML12-03	755205	19.0	20.5	1.5	36	
ML12-03	755206	20.5	22.0	1.5	< 5	
ML12-03	755207	22.0	23.5	1.5	16	
ML12-03	755208	23.5	25.0	1.5	22	
ML12-03	755209	25.0	26.5	1.5	< 5	
ML12-03	755210	26.5	28.0	1.5	27	
ML12-03	755211	28.0	29.5	1.5	248	
ML12-03	755212	29.5	31.0	1.5	< 5	
ML12-03	755213	31.0	32.5	1.5	< 5	
ML12-03	755214	32.5	34.0	1.5	16	
ML12-03	755215	34.0	35.5	1.5	24	
ML12-03	755216	35.5	37.0	1.5	< 5	
ML12-03	755217	37.0	38.5	1.5	89	
ML12-03	755218	38.5	40.0	1.5	50	
ML12-03	755219	40.0	41.5	1.5	< 5	
ML12-03	755220	41.5	43.0	1.5	15	
ML12-03	755221	43.0	44.5	1.5	< 5	
ML12-03	755222	44.5	46.0	1.5	< 5	
ML12-03	755223	46.0	47.5	1.5	< 5	
ML12-03	755224	47.5	49.0	1.5	18	
ML12-03	755225	49.0	50.5	1.5	326	
ML12-03	755226	50.5	52.0	1.5	55	
ML12-03	755227	52.0	53.5	1.5	38	
ML12-03	755228	53.5	55.0	1.5	27	
ML12-03	755229	55.0	56.5	1.5	361	
ML12-03	**755230**	Std	CDN-GS-6A		5.78 g/t	5.69 g/t
ML12-03	**755231**	Blnk	CDN-BL-10		< 5	
ML12-03	755232	56.5	58.0	1.5	529	
ML12-03	755233	58.0	59.5	1.5	463	**0.257 g/t / 16.5 m**
ML12-03	755234	59.5	61.0	1.5	418	**(0.444 g/t / 7.5 m)**
ML12-03	755235	61.0	62.5	1.5	451	
ML12-03	755236	62.5	64.0	1.5	51	
ML12-03	755237	64.0	65.5	1.5	116	
ML12-03	755238	65.5	67.0	1.5	14	
ML12-03	755239	67.0	68.5	1.5	< 5	
ML12-03	755240	68.5	70.0	1.5	26	
ML12-03	755241	70.0	71.5	1.5	16	
ML12-03	755242	71.5	73.0	1.5	43	
ML12-03	755243	73.0	74.5	1.5	146	
ML12-03	755244	74.5	76.0	1.5	21	
ML12-03	755245	76.0	77.5	1.5	< 5	
ML12-03	755246	77.5	79.0	1.5	< 5	
ML12-03	755247	79.0	79.8	0.8	20	
ML12-03	755248	79.8	80.5	0.7	47	
ML12-03	755249	80.5	82.0	1.5	< 5	
ML12-03	755250	82.0	83.5	1.5	< 5	
ML12-03	755251	83.5	85.0	1.5	7	
ML12-03	755252	85.0	86.5	1.5	11	
ML12-03	755253	86.5	88.0	1.5	< 5	
ML12-03	755254	88.0	89.5	1.5	< 5	
ML12-03	755255	89.5	91.0	1.5	< 5	
ML12-03	755256	91.0	92.5	1.5	< 5	
ML12-03	755257	92.5	94.0	1.5	< 5	
ML12-03	755258	94.0	95.5	1.5	< 5	
ML12-03	755259	95.5	97.0	1.5	9	
ML12-03	755260	97.0	98.5	1.5	< 5	
ML12-03	755261	98.5	100.0	1.5	< 5	
ML12-03	755262	100.0	101.5	1.5	< 5	
ML12-03	755263	Std	CDN-GS-P7E		761	0.766 g/t
ML12-03	755264	Blnk	CDN-BL-10		< 5	
ML12-03	755265	101.5	103.0	1.5	< 5	
ML12-03	755266	103.0	104.5	1.5	< 5	
ML12-03	755267	104.5	106.0	1.5	18	
ML12-03	755268	106.0	107.5	1.5	5	
ML12-03	755269	107.5	109.0	1.5	59	
ML12-03	755270	109.0	110.5	1.5	10	
ML12-03	755271	110.5	112.0	1.5	< 5	
ML12-03	755272	112.0	113.5	1.5	6	
ML12-03	755273	113.5	115.0	1.5	< 5	
ML12-03	755274	115.0	116.5	1.5	147	**0.220 g/t / 3.0 m**
ML12-03	755275	116.5	118.0	1.5	293	
ML12-03	755276	118.0	119.5	1.5	< 5	

ML12-03	755277	119.5	121.0	1.5	< 5	
ML12-03	755278	121.0	122.5	1.5	22	
ML12-03	755279	122.5	124.0	1.5	18	
ML12-03	755280	124.0	125.5	1.5	100	
ML12-03	755281	125.5	127.0	1.5	9	
ML12-03	755282	127.0	128.5	1.5	30	
ML12-03	755283	128.5	130.0	1.5	159	
ML12-03	755284	130.0	131.5	1.5	12	
ML12-03	755285	131.5	133.0	1.5	82	
ML12-03	755286	133.0	134.5	1.5	65	
ML12-03	755287	134.5	136.0	1.5	5	
ML12-03	755288	136.0	137.5	1.5	< 5	
ML12-03	755289	137.5	139.0	1.5	7	
ML12-03	755290	139.0	140.5	1.5	56	
ML12-03	755291	140.5	142.0	1.5	6	
ML12-03	755292	142.0	143.5	1.5	< 5	
ML12-03	755293	143.5	145.0	1.5	< 5	
ML12-03	755294	145.0	146.5	1.5	29	
ML12-03	755295	146.5	148.0	1.5	< 5	
ML12-03	755296	Std	CDN-GS-1J		1010	0.946 g/t
ML12-03	755297	Blnk	CDN-BL-10		< 5	
ML12-03	755298	148.0	149.5	1.5	10	
ML12-03	755299	149.5	151.0	1.5	< 5	
ML12-03	755300	176.5	178.0	1.5	28	
ML12-03	755301	178.0	179.5	1.5	< 5	
ML12-03	755302	179.5	181.0	1.5	< 5	
ML12-03	755303	181.0	182.5	1.5	< 5	
ML12-03	755304	182.5	184.0	1.5	< 5	

Hole #	Box #	% Quartz Veins	% Sulfide	RQD	start (m)
ML12-03	1	1.0	tr	100	10.5
ML12-03	2	1.0	tr	100	14.6
ML12-03	3	1.0	1.0	100	18.7
ML12-03	4	1.0	0.5	100	22.0
ML12-03	5	1.0	0.5	100	25.7
ML12-03	6	1.0	tr	100	29.5
ML12-03	7	1.0	tr	100	33.3
ML12-03	8	2.0	0.5	100	37.5
ML12-03	9	1.0	tr	100	41.4
ML12-03	10	1.0	1.5	100	45.2
ML12-03	11	3.0	1.5	100	49.3
ML12-03	12	3.0	2.0	100	53.3
ML12-03	13	4.0	3.0	100	57.6
ML12-03	14	3.0	2.5	100	61.9
ML12-03	15	1.0	1.0	100	65.8
ML12-03	16	1.0	1.5	100	69.4
ML12-03	17	1.0	1.0	100	73.2
ML12-03	18	2.0	1.5	100	77.2
ML12-03	19	1.0	1.0	100	81.1
ML12-03	20	2.0	1.5	100	84.2
ML12-03	21	1.0	tr	100	87.8
ML12-03	22	1.0	tr	100	91.5
ML12-03	23	1.0	tr	100	95.4
ML12-03	24	1.0	tr	100	99.1
ML12-03	25	1.0	tr	100	102.6
ML12-03	26	1.0	1.5	100	106.5
ML12-03	27	4.0	0.5	100	110.5
ML12-03	28	3.0	0.5	100	113.4
ML12-03	29	2.0	0.7	100	117.0
ML12-03	30	2.0	1.0	100	120.8
ML12-03	31	2.0	1.0	100	124.0
ML12-03	32	2.0	1.5	100	127.9
ML12-03	33	4.0	0.7	100	130.5
ML12-03	34	1.0	tr	100	133.3
ML12-03	35	3.0	tr	100	136.6
ML12-03	36	1.0	tr	100	140.0
ML12-03	37	1.0	tr	100	144.2
ML12-03	38	1.0	tr	100	148.2
ML12-03	39	1.0	tr	100	151.9
ML12-03	40	1.0	tr	100	156.1
ML12-03	41	1.0	tr	100	160.3
ML12-03	42	1.0	tr	100	164.5
ML12-03	43	1.0	tr	100	168.8
ML12-03	44	1.0	tr	100	172.7
ML12-03	45	1.0	tr	100	176.3
ML12-03	46	1.0	tr	100	179.2
ML12-03	47	1.0	tr	100	183.2

acid test

Hole	Dist	Az	Dip	Mag	Comments
ML12-03	50.00	45.0	-45.0		
ML12-03	100.00	45.0	-46.0		
ML12-03	150.00	45.0	-47.0		

Geological Summary Sheet: ML12-04

Hole No.	From	To	Width	Code	Comments
ML12-04	0.00	5.00	5		casing
ML12-04	5.00	46.90	44.9		Syenite
ML12-04	46.90	75.10	**28.2**		**Mineralized Syenite**
ML12-04	75.10	108.80	33.9		Syenite
ML12-04	108.80	120.50	11.7		Ultramafic Dike
ML12-04	120.50	141.00	**20.5**		**Mineralized Syenite**
ML12-04	141.00	155.00	14		Syenite
					155.0 m EOH

DIAMOND DRILL CORE LOG
SGX Resources Inc.

Project: Moray Lake
DDH No.: ML12-04
Logged by: R. Salo
MG Drilling
HOMEMADE
Core Size: BQTW
Casing Left: Yes
Start Date: Dec. 16, 2012
Completion Date: Dec. 18, 2012

Easting: Northing:
Grid Co-ordinates: 100 E 210 N
Collar Elevation (m): m
Azimuth at Collar: 180 deg South
Dip at Collar: -45
Length of Hole: 155.0 m

Section (m)		Description
From	To	
0.00	5.00	**casing**
5.00	46.90	**Syenite**
		70% euhedral feldspar xlls up to 0.5 cm; dominantly alkali and 30% hornblende/black biotite xlls, moderately magnetic, numerous hairline qz-calcite veins/fracture fills +/- epidote,
		several bull-whiteqz veins <4 cm gen at 45-70 DTCA, weak-locally moderate potassic alt overprint owning to the alkali alt of feldspar xlls, original primary textures mainly distinct,
		5-11 m is weakly mineralized 20% bull-0white qz veining/stockwork, local thin highly siliceous bands - hydrotyhermal silica alt overprint, common rounded mafic xenoliths <16 cm
		in dia, avg trace interstitial py as mottled cubes likely primary, intrusive is moderately siliceous and micro-fractured with chlorite fill below 33 m, mafic component is chloritized below
		33 m
46.90	75.10	**Mineralized Syenite**
		as above, highly siliceous, mod-strong hem/K alt, primary textures less evident, common qz-calcite veins gen <1 cm at all angles and often faulted and/or brecciated, avg >1% fg
		recrystallized py cubes, mineralization assoc with silica alt/veining and hairline chloritic fractures,
75.10	108.80	**Syenite**
		asa above 5-46.9 m, highly siliceous-weakly mineralized from 97.9-99.1 m - qz vein at 98.2 m,
108.80	120.50	**Ultramafic Dike**
		fine-med grained, 10-15% pyroxene phenochrysts in finer dark gray/brown matrix, weak-mod magnetic, locally strong hem/k alt overprint, common syenite xenoliths, highly carbonated,
		avg 0.5% fg dissem py
120.50	141.00	**Mineralized Syenite**
		strong silicification locally, common bull-white qz veins gen at 45 DTCA <10 cm +/- brecciated stenite fragments +/- chlorite whisps, common highly siliceous/hem-K alt fracture fills and
		hydrothermal overprinting, several brecciated mafic fragments in overprinted syenite at 125 m, coarse py patches and 0.5 cm cubes in qz vein at 126.7 m, avg >1% fg py assoc with qz
		veining and hairline chloritic fracture fills,
		UM Dike from 130.9-132, as above
		Fault Zone at 138 m - rods dropped 1 foot
141.00	155.00	**Syenite**
		as above, common barren qz veins and siliceous hem-K alt overprinting/fracture filling locally, tr fg py, hem/K alt overprint is weak-none below 146 m excepting localized hydrothermal
		alt/siliceous fracture fills
		155.0 m EOH

Hole No.	Sample No.	From (m)	To (m)	Width (m)	Assay Au ppb	Comments
ML12-04	755305	5.0	6.5	1.5	7	
ML12-04	755306	6.5	8.0	1.5	20	
ML12-04	755307	8.0	9.5	1.5	< 5	
ML12-04	755308	9.5	11.0	1.5	16	
ML12-04	755309	11.0	12.5	1.5	< 5	
ML12-04	755310	12.5	14.0	1.5	< 5	
ML12-04	755311	14.0	15.5	1.5	6	
ML12-04	755312	15.5	17.0	1.5	< 5	
ML12-04	755313	17.0	18.5	1.5	< 5	
ML12-04	755314	18.5	20.0	1.5	< 5	
ML12-04	755315	20.0	21.5	1.5	< 5	
ML12-04	755316	21.5	23.0	1.5	< 5	
ML12-04	755317	23.0	24.5	1.5	< 5	
ML12-04	755318	24.5	26.0	1.5	< 5	
ML12-04	755319	26.0	27.5	1.5	< 5	
ML12-04	755320	27.5	29.0	1.5	< 5	
ML12-04	755321	29.0	30.5	1.5	< 5	
ML12-04	755322	30.5	32.0	1.5	< 5	
ML12-04	755323	32.0	33.5	1.5	< 5	
ML12-04	755324	33.5	35.0	1.5	51	
ML12-04	755325	35.0	36.5	1.5	40	
ML12-04	755326	36.5	38.0	1.5	< 5	
ML12-04	755327	38.0	39.5	1.5	7	
ML12-04	755328	39.5	41.0	1.5	< 5	
ML12-04	**755329**	Std	CDN-GS-2L		2060	2.34 g/t Au
ML12-04	**755330**	Blnk	CDN-BL-10		< 5	
ML12-04	755331	41.0	42.5	1.5	< 5	
ML12-04	755332	42.5	44.0	1.5	< 5	
ML12-04	755333	44.0	45.5	1.5	7	
ML12-04	755334	45.5	47.0	1.5	16	
ML12-04	755335	47.0	48.5	1.5	86	
ML12-04	755336	48.5	50.0	1.5	70	
ML12-04	755337	50.0	51.5	1.5	55	
ML12-04	755338	51.5	53.0	1.5	146	
ML12-04	755339	53.0	54.5	1.5	63	
ML12-04	755340	54.5	56.0	1.5	16	
ML12-04	755341	56.0	57.5	1.5	93	
ML12-04	755342	57.5	59.0	1.5	135	
ML12-04	755343	59.0	60.5	1.5	30	
ML12-04	755344	60.5	62.0	1.5	< 5	
ML12-04	755345	62.0	63.5	1.5	12	
ML12-04	755346	63.5	65.0	1.5	17	**0.084 g/t / 24.0 m**
ML12-04	755347	65.0	66.5	1.5	56	
ML12-04	755348	66.5	68.0	1.5	74	
ML12-04	755349	68.0	69.5	1.5	195	
ML12-04	755350	69.5	71.0	1.5	87	
ML12-04	755351	71.0	72.5	1.5	59	
ML12-04	755352	72.5	74.0	1.5	252	**(0.186 g/t / 3.0 m)**
ML12-04	755353	74.0	75.5	1.5	121	
ML12-04	755354	75.5	77.0	1.5	67	
ML12-04	755355	77.0	78.5	1.5	6	
ML12-04	755356	78.5	80.0	1.5	7	
ML12-04	755357	80.0	81.5	1.5	< 5	
ML12-04	755358	81.5	83.0	1.5	< 5	
ML12-04	755359	83.0	84.5	1.5	< 5	
ML12-04	755360	84.5	86.0	1.5	< 5	
ML12-04	755361	86.0	87.5	1.5	< 5	
ML12-04	**755362**	Std	CDN-GS-6A		5960	5.69 g/t Au
ML12-04	**755363**	Blnk	CDN-BL-10		< 5	
ML12-04	755364	87.5	89.0	1.5	< 5	
ML12-04	755365	89.0	90.5	1.5	< 5	
ML12-04	755366	90.5	92.0	1.5	< 5	
ML12-04	755367	92.0	93.5	1.5	< 5	
ML12-04	755368	93.5	95.0	1.5	11	
ML12-04	755369	95.0	96.5	1.5	< 5	
ML12-04	755370	96.5	98.0	1.5	< 5	
ML12-04	755371	98.0	99.5	1.5	6	
ML12-04	755372	99.5	101.0	1.5	< 5	
ML12-04	755373	101.0	102.5	1.5	< 5	
ML12-04	755374	102.5	104.0	1.5	< 5	
ML12-04	755375	104.0	105.5	1.5	20	
ML12-04	755376	105.5	107.0	1.5	< 5	
ML12-04	755377	107.0	108.5	1.5	< 5	
ML12-04	755378	108.5	110.0	1.5	23	
ML12-04	755379	110.0	111.5	1.5	< 5	

ML12-04	755380	111.5	113.0	1.5	< 5	
ML12-04	755381	113.0	114.5	1.5	< 5	
ML12-04	755382	114.5	116.0	1.5	14	
ML12-04	755383	116.0	117.5	1.5	9	
ML12-04	755384	117.5	119.0	1.5	< 5	
ML12-04	755385	119.0	120.5	1.5	< 5	
ML12-04	755386	120.5	122.0	1.5	< 5	
ML12-04	755387	122.0	123.5	1.5	< 5	
ML12-04	755388	123.5	125.0	1.5	< 5	
ML12-04	755389	125.0	126.5	1.5	< 5	
ML12-04	755390	126.5	128.0	1.5	< 5	
ML12-04	755391	128.0	129.5	1.5	11	
ML12-04	755392	129.5	131.0	1.5	< 5	
ML12-04	755393	131.0	132.5	1.5	< 5	
ML12-04	755394	132.5	134.0	1.5	< 5	
ML12-04	**755395**	Std	CDN-GS-P7E		720	0.766 g/t Au
ML12-04	**755396**	Blnk	CDN-BL-10		< 5	
ML12-04	755397	134.0	135.5	1.5	< 5	
ML12-04	755398	135.5	137.0	1.5	9	
ML12-04	755399	137.0	138.5	1.5	20	
ML12-04	755400	138.5	140.0	1.5	5	
ML12-04	755401	140.0	141.5	1.5	< 5	
ML12-04	755402	141.5	143.0	1.5	< 5	
ML12-04	755403	143.0	144.5	1.5	< 5	
ML12-04	755404	144.5	146.0	1.5	< 5	
ML12-04	755405	146.0	147.5	1.5	< 5	
ML12-04	755406	147.5	149.0	1.5	< 5	
ML12-04	755407	149.0	150.5	1.5	< 5	
ML12-04	755408	150.5	152.0	1.5	< 5	
ML12-04	755409	152.0	153.5	1.5	< 5	
ML12-04	755410	153.5	155.0	1.5	< 5	

Hole #	Box #	% Quartz Veins	% Sulfide	RQD	start (m)
ML12-04	1	20.0	0.5	100	5.0
ML12-04	2	15.0	tr	100	8.5
ML12-04	3	1.0	tr	100	12.7
ML12-04	4	1.0	tr	100	17.0
ML12-04	5	2.0	tr	100	21.3
ML12-04	6	1.0	tr	100	25.8
ML12-04	7	1.0	tr	100	30.0
ML12-04	8	3.0	tr	100	34.3
ML12-04	9	4.0	tr	100	38.6
ML12-04	10	3.0	0.2	100	42.9
ML12-04	11	2.0	0.7	100	47.2
ML12-04	12	3.0	1.0	100	51.6
ML12-04	13	3.0	1.0	100	55.9
ML12-04	14	3.0	0.5	100	60.1
ML12-04	15	2.0	0.5	100	64.4
ML12-04	16	3.0	1.0	100	68.7
ML12-04	17	3.0	0.7	100	73.0
ML12-04	18	2.0	tr	100	77.2
ML12-04	19	3.0	tr	100	81.5
ML12-04	20	1.0	tr	100	85.9
ML12-04	21	1.0	tr	100	90.3
ML12-04	22	3.0	0.3	100	94.5
ML12-04	23	1.0	0.3	100	98.7
ML12-04	24	1.0	tr	100	103.1
ML12-04	25	3.0	0.5	100	107.4
ML12-04	26	1.0	0.5	100	111.7
ML12-04	27	1.0	0.5	100	116.1
ML12-04	28	2.0	0.7	100	120.5
ML12-04	29	3.0	0.7	100	124.8
ML12-04	30	4.0	0.5	100	129.0
ML12-04	31	5.0	1.5	100	133.1
ML12-04	32	5.0	1.5	95	137.4
ML12-04	33	1.0	tr	100	141.8
ML12-04	34	4.0	tr	100	145.2
ML12-04	35	2.0	tr	100	149.4
ML12-04	36	1.0	tr	100	153.7

acid test

Hole	Dist	Az	Dip	Mag	Comments
ML12-04	50.00	180.0	-45.0		
ML12-04	100.00	180.0	-45.0		
ML12-04	155.00	180.0	-47.0		

Geological Summary Sheet: ML12-05

Hole No.	From	To	Width	Code	Comments
ML12-05	0.00	5.00	5		casing
ML12-05	5.00	44.00	39		Syenite
ML12-05	44.00	78.00	**34**		**Mineralized Syenite**
ML12-05	78.00	125.00	47		Syenite
					125.0 m EOH

DIAMOND DRILL CORE LOG

SGX Resources Inc.

Project: Moray Lake

DDH No.: ML12-05

Logged by: R. Salo

Easting: Northing:
Grid Co-ordinates: 100 E 195 N
Collar Elevation (m): m
Azimuth at Collar: 360 deg North
Dip at Collar: -45
Length of Hole: 125.0 m

MG Drilling
HOMEMADE
Core Size: BQTW
Casing Left: Yes
Start Date: Dec. 18, 2012
Completion Date: Dec. 20, 2012

Section (m)		Description
From	To	
0.00	5.00	**casing**
5.00	44.00	**Syenite**
		70% euhedral feldspar xlls up to 0.5 cm; dominantly alkali and 30% hornblende/black biotite xlls, moderately magnetic, numerous hairline qz-calcite veins/fracture fills +/- epidote,
		several bull-whiteqz veins <4 cm gen at 45-60 DTCA, weak-locally moderate potassic alt overprint owning to the alkali alt of feldspar xlls, original primary textures mainly distinct,
		5-11 m is highly fractured/blocky - fault zone, common rounded mafic xenoliths <13 cm mainly displaying reacted/absorbed boundaries, avg trace interstitial py as mottled cubes
		likely primary, intrusive is moderately siliceous locally, hem/K alt bull-white qz vein at 10.85 m, 27.65-28.15 m is an epidote alt mafic dike, moderately silicified below 39 m, unit is
		weakly magnetic and carbonated where qz-calcite veining exists, avg trace py, 11.7-11.9 m hosts py veinlets assoc with qz veins
44.00	78.00	**Mineralized Syenite**
		as above, highly silicified, micro-fractured, abundant hairline chloritic slips/fracture fills, common generally mm-scale qz-calcite veinlets at all angles, several <cm bull-white qz veins
		gen at 45-60 DTCA, strongly foliated at 45 DTCA, weak-mod hem/K alt overprint, hem/K alt is strong below 71 m with original igneous textures much less distinct, fault zones/rubbly
		from 51-52 and 57-57.5 m, avg 1% vfg py and rare cpy assoc with hairline chloritic slips/fracture fills and qz-calcite veining, strongly carbonated
78.00	125.00	**Syenite**
		as above 5-44 m, local increased hem/K alteration assoc with chlorite slips and qz-calcite veining gen assoc with fg py, mafic dikes as above with sharp contacts at 60 DTCA from
		112.5-112.65 and 114.0-114.1 m, highly siliceous fg dikes with assoc strong hem/K alt and abundant hairline chloritic mm veinlets from 107.1-107.35 and 116.8-117.1 m with sharp
		contacts at 45 DTCA
		125.0 m EOH

Hole No.	Sample No.	From (m)	To (m)	Width (m)	Assay Au ppb	Comments
ML12-05	755411	5.0	6.5	1.5	11	
ML12-05	755412	6.5	8.0	1.5	< 5	
ML12-05	755413	8.0	9.5	1.5	11	
ML12-05	755414	9.5	11.0	1.5	16	
ML12-05	755415	11.0	12.5	1.5	12	
ML12-05	755416	12.5	14.0	1.5	< 5	
ML12-05	755417	14.0	15.5	1.5	< 5	
ML12-05	755418	15.5	17.0	1.5	< 5	
ML12-05	755419	17.0	18.5	1.5	< 5	
ML12-05	755420	18.5	20.0	1.5	< 5	
ML12-05	755421	20.0	21.5	1.5	< 5	
ML12-05	755422	21.5	23.0	1.5	< 5	
ML12-05	755423	23.0	24.5	1.5	< 5	
ML12-05	755424	24.5	26.0	1.5	< 5	
ML12-05	755425	26.0	27.5	1.5	< 5	
ML12-05	755426	27.5	29.0	1.5	< 5	
ML12-05	755427	29.0	30.5	1.5	< 5	
ML12-05	**755428**	Std	CDN-GS-1J		931	0.946 g/t Au std
ML12-05	**755429**	Blnk	CDN-BL-10		< 5	
ML12-05	755430	30.5	32.0	1.5	< 5	
ML12-05	755431	32.0	33.5	1.5	15	
ML12-05	755432	33.5	35.0	1.5	< 5	
ML12-05	755433	35.0	36.5	1.5	< 5	
ML12-05	755434	36.5	38.0	1.5	< 5	
ML12-05	755435	38.0	39.5	1.5	35	
ML12-05	755436	39.5	41.0	1.5	143	
ML12-05	755437	41.0	42.5	1.5	27	
ML12-05	755438	42.5	44.0	1.5	65	
ML12-05	755439	44.0	45.5	1.5	51	
ML12-05	755440	45.5	47.0	1.5	328	
ML12-05	755441	47.0	48.5	1.5	681	
ML12-05	755442	48.5	50.0	1.5	1030	
ML12-05	755443	50.0	51.5	1.5	101	
ML12-05	755444	51.5	53.0	1.5	652	**0.49 g/t / 12.0 m**
ML12-05	755445	53.0	54.5	1.5	368	
ML12-05	755446	54.5	56.0	1.5	579	
ML12-05	755447	56.0	57.5	1.5	207	
ML12-05	755448	57.5	59.0	1.5	83	
ML12-05	755449	59.0	60.5	1.5	17	
ML12-05	755450	60.5	62.0	1.5	8	
ML12-05	755451	62.0	63.5	1.5	25	
ML12-05	755452	63.5	65.0	1.5	43	
ML12-05	755453	65.0	66.5	1.5	64	
ML12-05	755454	66.5	68.0	1.5	44	
ML12-05	755455	68.0	69.5	1.5	20	
ML12-05	755456	69.5	71.0	1.5	406	
ML12-05	755457	71.0	72.5	1.5	129	
ML12-05	755458	72.5	74.0	1.5	397	
ML12-05	755459	74.0	75.5	1.5	371	**0.40 g/t / 8.5 m**
ML12-05	755460	75.5	77.0	1.5	358	
ML12-05	**755461**	Std	CDN-GS-2L		2270	2.34 g/t Au std
ML12-05	**755462**	Blnk	CDN-BL-10		< 5	
ML12-05	755463	77.0	78.0	1.0	945	
ML12-05	755464	78.0	79.0	1.0	7	
ML12-05	755465	79.0	80.0	1.0	8	
ML12-05	755466	80.0	81.5	1.5	< 5	
ML12-05	755467	81.5	83.0	1.5	19	
ML12-05	755468	83.0	84.5	1.5	14	
ML12-05	755469	84.5	86.0	1.5	< 5	
ML12-05	755470	86.0	87.5	1.5	6	
ML12-05	755471	87.5	89.0	1.5	< 5	
ML12-05	755472	89.0	90.5	1.5	< 5	
ML12-05	755473	90.5	92.0	1.5	< 5	
ML12-05	755474	92.0	93.5	1.5	< 5	
ML12-05	755475	93.5	95.0	1.5	5	
ML12-05	755476	95.0	96.5	1.5	< 5	
ML12-05	755477	96.5	98.0	1.5	< 5	
ML12-05	755478	98.0	99.5	1.5	< 5	
ML12-05	755479	102.5	104.0	1.5	< 5	
ML12-05	755480	104.0	105.5	1.5	< 5	
ML12-05	755481	105.5	107.0	1.5	< 5	
ML12-05	755482	107.0	108.5	1.5	< 5	
ML12-05	755483	108.5	110.0	1.5	< 5	
ML12-05	755484	110.0	111.5	1.5	< 5	
ML12-05	755485	111.5	113.0	1.5	< 5	
ML12-05	755486	113.0	114.5	1.5	< 5	
ML12-05	755487	114.5	116.0	1.5	< 5	
ML12-05	755488	116.0	117.5	1.5	9	

ML12-05	755489	117.5	119.0	1.5	< 5	
ML12-05	755490	119.0	120.5	1.5	6	
ML12-05	755491	120.5	122.0	1.5	< 5	
ML12-05	755492	122.0	123.5	1.5	27	
ML12-05	755493	123.5	125.0	1.5	< 5	
ML12-05	**755494**	Std	CDN-GS-6A		5500	5.69 g/t Au std
ML12-05	**755495**	Blnk	CDN-BL-10		< 5	

Hole #	Box #	% Quartz Veins	% Sulfide	RQD	start (m)
ML12-05	1	1.0	tr	100	5.0
ML12-05	2	3.0	tr	100	8.3
ML12-05	3	3.0	tr	100	11.7
ML12-05	4	2.0	tr	100	16.0
ML12-05	5	2.0	tr	100	20.3
ML12-05	6	2.0	tr	100	24.7
ML12-05	7	1.0	tr	100	29.0
ML12-05	8	1.0	tr	100	33.4
ML12-05	9	2.0	tr	100	37.6
ML12-05	10	2.0	0.5	100	41.7
ML12-05	11	1.0	0.7	100	46.0
ML12-05	12	3.0	1.0	100	50.3
ML12-05	13	2.0	1.0	100	53.8
ML12-05	14	2.0	0.5	100	57.8
ML12-05	15	1.0	0.7	100	62.0
ML12-05	16	3.0	1.5	100	66.3
ML12-05	17	2.0	1.0	100	70.6
ML12-05	18	1.0	1.0	100	74.8
ML12-05	19	1.0	tr	100	78.5
ML12-05	20	1.0	tr	100	83.4
ML12-05	21	1.0	tr	100	87.5
ML12-05	22	2.0	0.5	100	91.9
ML12-05	23	1.0	tr	100	96.1
ML12-05	24	1.0	tr	100	100.5
ML12-05	25	3.0	tr	100	104.7
ML12-05	26	1.0	tr	100	109.1
ML12-05	27	1.0	0.2	100	113.3
ML12-05	28	2.0	tr	100	117.8
ML12-05	29	2.0	tr	100	122.2

acid test

Hole	Dist	Az	Dip	Mag	Comments
ML12-05	50.00	360.0	-45.0		
ML12-05	100.00	360.0	-45.0		

Appendix 5 – Grab Sample Map 2020

490000 492000 494000 496000 498000

5324000 5322000 5320000 5318000 5316000

N

ZAVITZ TOWNSHIP

HINCKS TOWNSHIP

HUTT TOWNSHIP

Zavitz Ck

Austen Lake

West Night Hawk Lake

Moray Lake

Little Esker Lake

Dexter Lake

Luke Lake

Dexter Ck

Redwing Ck

Upper Redwing Lake

Wabiasin Lak

Hwy-566

SUDBURY

TIMISKAMING

595696 595697 595694 563099

563096 563097 563095 563098 582750

706905
706906
Voyager
Trench 12

706904 706901
706902 706903
Fiset
Trench 1

New Break Resources Ltd. Property
Other Claims
Township
Road
2020 Sample Locations

0 1 2
Kilometers

NEWBREAK RESOURCES

ORIX GEOSCIENCE

New Break Resources Ltd.
Moray Property
2020 Sample Locations

NAD 1983 UTM Zone 17N

1:30,000

2022-09-27

		DAILY LOG - SEPTEMBER - NOVEMBER 2020 - MORAY
DATE	ACTIVITY	OBSERVATIONS
2020-09-22	Travel	Expenses claimed
2020-09-23	Travel	Expenses claimed
2020-09-24	Sampling Work	WDL located Trench 3 at Moray - UTM 493453.07E, 5319786.72N - historic stripped area
2020-09-25	Sampling Work	WDL located Sulphide showing at Voyager - gravel road access - refer to Garmin map
2020-09-26	Sampling Work	Timmins - Moray assessment data review
2020-09-27	Sampling Work	WDL visit to Voyager - UTM 492612E, 5319961N - refer to Garmin map
2020-09-28	Sampling Work	Timmins - Moray assessment data review
2020-09-29	Sampling Work	site visit at Moray with Mike Kilbourne - examined Trench 1 and Trench 3 - refer to Garmin Map - located collars for SGX Resources 12-04,12-05 - trip to NPLH core farm examined SGX Resources core ML12-04,05.01.02.03 - drilled at Moray
2020-09-30	Travel	Expenses claimed
2020-10-01	Travel	Expenses claimed
2020-10-16	Travel	Expenses claimed
2020-10-17	Travel	Expenses claimed
2020-10-18	Sampling work	Timmins - preperation for site visit
2020-10-19	Sampling work	site visit at Moray with Peter Hubacheck (QP) - took magnetic susceptiblity reading for Trench 12 and Trench 1 , sampling
2020-10-20	Sampling work	Moray DDH core from Hincks Township stored at Government core Library in Kirkland Lake -core farm closed due to Pandemic
2020-10-21	Travel	Expenses claimed
2020-10-22	Travel	Expenses claimed
2020-11-02	Travel	Expenses claimed
2020-11-03	Travel	Expenses claimed
2020-11-04	Sampling Work	Resampled Newmont DDH Z-80-05, Z-80-06 - located at Government Core Storage Library Timmins - Z-80-05 drilled underneath Trench 1 - Z-80-06 drilled at Voyager area both located on the Moray property
2020-11-05	Travel	Expenses claimed
2020-11-06	Travel	Expenses claimed