52J02SE8670 2.9716 SQUAW LAKE

010

ASSESSMENT REPORT

on the

GEOCHEMICAL SURVEY

performed on the

SALKELD PROPERTY

NORTHWEST ONTARIO

52J/2SE

RECEIVED

JAN 28 1987

MINING LANDS SECTION

J.L. DaCosta
Falconbridge Limited
Winnipeg, Manitoba
January 21, 1987

Qual. 2.9490

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1.0 SUMMARY

The Salkeld property located in the Squaw Lake - Sturgeon Lake Area of Northwest Ontario contains several auriferous quartz veins. The object of the geochemical survey was to determine the continuity of these veins and to provide a reasonable indication of strike length. The survey performed its function by lengthening the strike of one of the veins to as much as 100 metres. The property requires more work before a definite answer to the nature of these veins can be found.

2.0 INTRODUCTION

The Salkeld property is located in the Savant Lake area of Northwest Ontario approximately 1/2 mile south of Belmore Bay, on the northeast arm of Sturgeon Lake. The property consists of three unpatented claims, numbered 816312, 816313 and 816314 on the Squaw Lake claim map. The three claims are under option agreement from Alan Best, a local prospector from Savant Lake, Ontario.

3.0 LOCATION AND ACCESS

Access to the property can be achieved year round by an all weather logging road that comes to within 3/4 mile of the property. This logging road is accessible from Savant Lake via Great Lake Forest's Beckington Lake Road. The property is also accessible from Savant Lake by an 18 mile boat trip from Trapper's Point Landing to Belmore Bay on Sturgeon Lake. From Belmore Bay there is a 1/2 mile trail leading to the property. Savant Lake, Ontario is located on Provincial Highway 599 approximately 130 km north of Ignace, Ontario.

4.0 PREVIOUS WORK

Work on the Salkeld group of claims has been done since the 1930's.

This work has resulted in ten trenches which have uncovered small (less than 1m wide) quartz veins. Included in these trenches, there are numerous pits which appear to have either not uncovered any outcrop or have "caved" in with time.

A total of 25 drill holes by various workers have been completed on the property. Due to the poor quality of the information it is not possible to determine the exact location of these holes but the information does suggest that the holes were drilled in the area of trenches 1 and 2.

The first drill holes undertaken on the property were completed by Coniagas Mines Ltd. in January 1936. A minimum of 3 x-ray holes were drilled. The information for these 3 holes was of a poor quality (see appendix A). The assay values and widths for these holes show some promising results. Hole number 1 has no mention of an actual assay but was said to be "a fine sample". The assay values for Coniagas hole number 3 are slightly confusing but suggest that the drill hole intersected 7 feet of quartz vein and 7 feet of quartz porphyry and assayed 14.3 oz/ton over 7 feet (or possibly 14 feet). The last hole has an assay of 4 oz/ton over an unknown width. The exact locations of these holes are not known; however, it appears that they were collared in the immediate area of trenches 1 and 2 (see geochemistry map).

Prior to the summer of 1937 (exact date not known) a minimum of 3 x-ray drill holes were undertaken by a Mr. Anderson. The locations, directions and depth of these holes were not discovered at the time this report was written but assay values and intersection widths were found (see Appendix A). Drill hole number 1 intersected 5.2 feet assaying 0.54 oz/ton; number 2 intersected 3.0 feet assaying 2.0 ounces/ton, and drill hole number 3 intersected 4.1 feet assaying 2.4 ounces/ton. No

mention was given as to the host rock of these samples but considering the nature of mineralization in the area the assays were likely to be the result of quartz vein material. Again no mention was given as to the precise location of the holes; however, it can be assumed that these holes are located in the immediate area of trenches 1 and 2.

During the months of September and October 1954 ten EX diamond drill holes totalling approximately 1400 feet were completed by a Mr. L. Anderson. Although the drill logs accompanying these holes are rather sketchy, they do exhibit some general trends (see Appendix A). The quartz veins intersected in these holes were on average 3 to 5 feet wide with one vein in hole number 6 being as much as ten feet wide. The assay values were not found for these intersections but there is mention of a 3 foot wide quartz vein with megascopic free gold in drill hole No. 3. A sketch map accompanying these drill logs show that the approximate locations of the holes were in the vicinity of trenches 1 and 2. Until recently little work has been accomplished on the property since 1954.

The property was optioned by Falconbridge Limited in 1985. Since that time the establishment of 10.6 line kilometers of picket line grid over the claims has been completed. During the months of June and July of 1986 a mapping program was completed over the entire property followed by chip and sawcut sampling of the old trenches.

In all a total of ten previously excavated trenches were cleaned out and sampled. Some of the more promising results are outlined in Table 1. All the trenches uncovered quartz veins that are generally white to milky white in colour, and contain little or no sulphide mineralization. Trenches 3, 4, 5, and 6 uncovered a "flat lying" 1.0m wide quartz vein. The vein, hosted within a massive dioritic intrusion, was generally found to be barren in sulphides, containing less than 2% pyrite. Very

TABLE 1: Trench values greater than 1.0 g/t

Sample No.	Trench No.	Description	Au g/t
AC 05402	1	Quartz vein, milky white, minor carbonate and mafic inclusions, trace sulphides present. Sample length 40cm (1.0-1.4m)	28.45
AC 05412	2	0.55 m sample length, silicified, quartz stringer zone, contains 2 small, (2cm to 4cm wide) quartz veins, consists of silicified fine grained diorite, 1-2% sulphides.	1.90
AC 05419	9	Sample length 0.4m, milky white quartz vein, little or no mafic inclusions, tr sulphides, sawcut	1.66
AC 05420	9	Massive mafic intrusive, unit is slightly ankeritized, contains tr to 2% sulphides, sawcut, sample length 1.0m	1.44
AC 05423	8	Quartz vein + wallrock, quartz vein is milky white in colour, approx. 20cm in width, tr sulphides, wallrock; massive mafic intrusive slightly ankeritized, few quartz-carb veinlets, tr-2% sulphides, sample length 0.55m	4.75
AC 05424	8	Quartz vein + wallrock, 15cm, quartz vein is mikly white in colour, contains tr sulphides, comprises 35% of sample, massive intrusive slightly ankeritized, contains small quartz carbonate stringers, 2% sulphides, sample length 0.70m	1.50
AC 05428	5	Milky white quartz vein, flat lying, tr to no sulphides, sample length 1.25m	1.44
AC 05429	5	Wallrock slightly ankeritized, tr-2% sulphides, sample length 1m	1.35
AC 05430	5	Wallrock, slightly to pervasively ankeritized silicified with minor quartz stringers, 2-5% sulphides, sample length 0.9m	1.83
AC 05431	5	Silicified, altered wallrock, including a 10cm quartz vein. Unit is slightly to pervasively ankeritized, contains 2-5% sulphides including some 1-2cm blobs of pyrite sample length 0.75m	46.0
AC 05438	8	Quartz vein, milky white to blue in places, tr sulphide, sample length 0.30m	6.43
AC 05439	8	Wallrock, massive dioritic intrusion, 5% qtz carb veins, 2-5% sulphides, sample length 0.8m	2.39
AC 05440	8	Quartz vein, 15% mafic massive, milky white vein, trace sulphides, sample length 0.3m	366.0

little shearing and alteration is associated with this vein suggesting that the vein material is infilling small tensional fractures rather than following a major shear structure. Most of the values from trenches 3, 4, 5 and 6 are generally less than 2.0 grams/tonne but sample AC 5431 contains 46.0 grams/tonne (1.34 oz/ton) over a sample width of 0.75 metres.

Trenches 1 and 2 both revealed quartz veins set within a narrow (less than 1.0m wide) sheared fracture system. The veins have a bearing of 020-070° with a vertical to subvertical dip to the west. The veins occur as either small (less than 5cm) veins and stringers or as a single (40cm wide) quartz vein. The host rock was found to be an ankeritized fine grained dioritic intrusion that is partially silicified and sericitized and which contains minor shearing subparallel to the strike of the veins. The most significant assay value taken from these trenches was from the quartz vein in trench 1 which returned a value of 28.45 grams/tonne (0.83 oz/ton) over a sample width of 0.4 metres (see table 1).

Trench 8 contained a quartz vein that returned the most promising assays to date. The vein is milky white in colour and generally less than 0.30m in width. The vein has bearing of 172° and an 82° dip to the west. The vein is consistently barren in sulphides but does contain numerous mafic inclusions. The host rock is a massive dioritic intrusion, which is ankeritized and silicified and contains tr-5% sulphides. Assay values (see table 1) from this vein yielded results of 4.75 gms/t, 1.50 gms/t, 6.43 gms/t and 366.0 gms/t (10.7 oz/ton). The quartz vein was observed in trench 8 only and was not uncovered in outcrop elsewhere. The host rock does not appear to be sheared thus the vein is likely to be the result of siliceous fluids infilling dilational fractures.

5.0 WORK CARRIED OUT DURING THE FALL OF 1986

During the fall of 1986 the following work has been completed:

1. Establishment of 3.6 line kilometers of "flagged" grid over the main trenches.

2. Soil sampling of the B horizon at 10 metre spacing along the "flagged soil grid".

6.0 GEOLOGY

6.1 General Geology

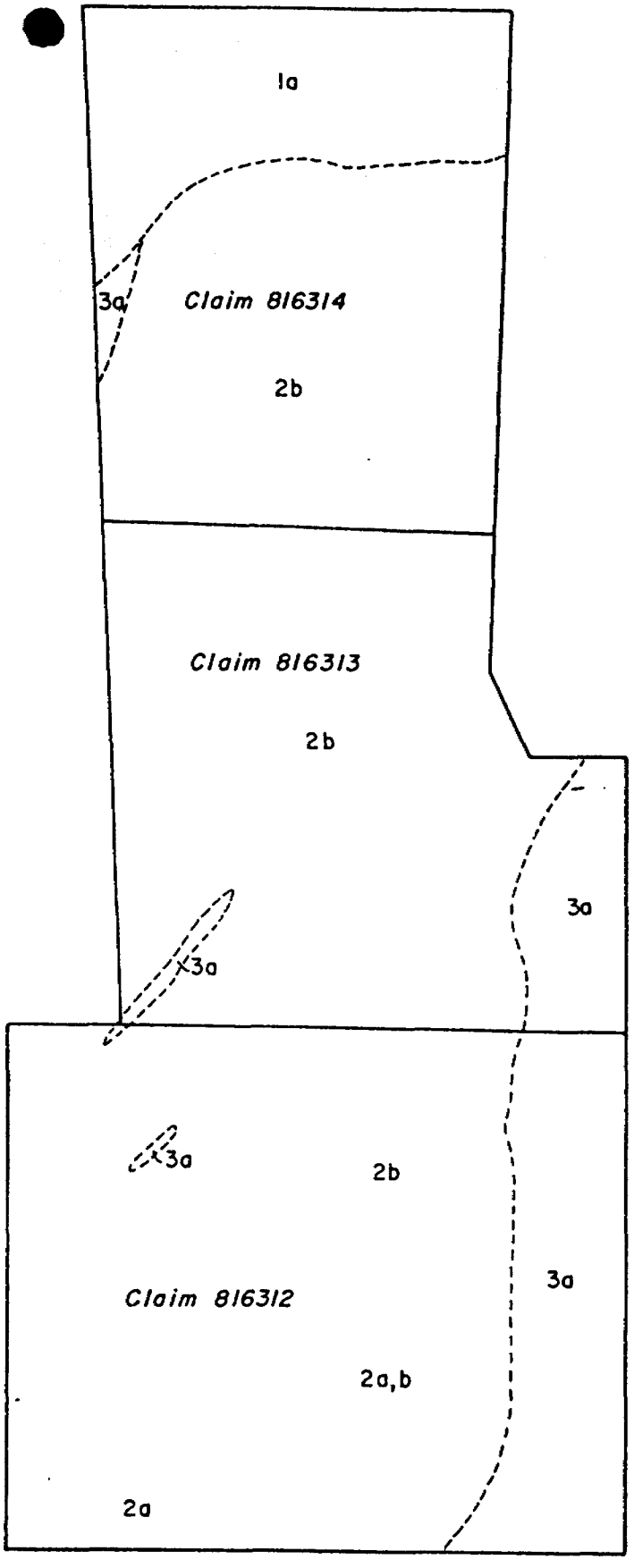
The property lies within the Squaw Lake - Sturgeon Lake area in the district of Thunder Bay. The area consists of a metavolcanic-metasedimentary sequence bounded by intrusive granitic and alkalic complexes and is situated within the Wabigoon Belt of the Superior Province of the Canadian Shield. The metavolcanic-metasedimentary sequence has been regionally metamorphosed under greenschist and amphibolite facies conditions (Trowell, 1983) as well as having been complexly folded and faulted.

The area contains numerous old gold, silver and copper showings, the most notable of which would be the St. Anthony Mine. The mine, between the years 1929-1941, produced approximately 63,300 ounces of gold as well as approximately 16,300 ounces of silver (Trowell, 1983).

6.2 Lithology

Exposure over the property was found to be fairly poor, where a significant portion (20%) of the claims were covered with cedar swamps and ponds. The outcrops themselves comprise approximately 30% of the property and were predominantly moss covered and overlain with less than 0.60m of overburden.

The property is underlain by mafic metavolcanics and intrusives (see Figure 1). The northernmost end of the property contains a sequence of mafic metavolcanic flows. These flows were found to be predominantly fine grained and massive in texture. No mafic pillowed or tuff sequences



— LEGEND —

1a	Mafic Volcanics
2	Diorite
2a	Porphyritic
2b	Massive
3a	Quartz - Feldspar Porphyry

—— Claim Boundary

------ Lithologic Contact

FIGURE 1

PN 522

FALCONBRIDGE LIMITED

SALKELD PROJECT

SIMPLIFIED GEOLOGY MAP

1" km

SCALE	1:5000	DRAWN	VCH
DATE	OCT. 1986	DATA BY	J L D

were found on the property. The massive flows are consistently light green to green in colour and consists of plagioclase feldspar, hornblende, pyroxene, biotite, chlorite and in some cases minor quartz. The flows were noted to contain a moderate to well defined foliation.

The southernmost end of the property is dominated by a dioritic intrusion. The intrusion is present in two phases, a porphyritic phase and a finer grained massive phase. No contact was observed between these two phases, as a result it is not known if these two phases are two distinct intrusive bodies or components of a single intrusive body. However, considering that the two phases appeared to be virtually identical in composition, it is likely that the porphyritic phase and the more massive phase are components of a single body. The units are green to dark green in colour, with a fine to medium grained texture. The groundmass for the two units consists of pyroxene, plagioclase feldspar, biotite, chlorite and minor quartz. In the porphyritic phases the phenocrysts are generally 1.5mm in size and consist predominantly of pyroxene and plagioclase. Both phases exhibited a poor to moderate foliation. It is more than likely that the dioritic intrusion is the intrusive counterpart of the mafic metavolcanics found on the property.

Numerous quartz-porphyry dykes that intrude the above host rocks are located throughout the property. These units were found to be white to buff in colour and generally fine to medium grained. They consist of quartz, feldspar, biotite and minor chlorite and contain 2-3mm quartz phenocrysts that comprised approximately 10% of the rock's volume. The unit is generally poorly foliated. Primary structures and textures which could be used as top indicators were not discovered during the course of the mapping program. As a result it is not known if the units are right side up or overturned.

6.3 Structural Geology

The metavolcanics in the claim group area have reportedly undergone three phases of folding. In the first phase of folding the rocks were isoclinally folded about subhorizontal axes resulting in a major north-trending synformal fold (Trowell, 1977). It was this phase of folding that produced a prominent foliation on the property bearing 030-060° and dipping 50-70° east. The second phase of folding is exhibited by the generation of small folds along generally subvertical fold axes. These folds have developed both along and across the primary foliation created by the first phase of folding (Trowell, 1977). Both the second and the third phase, which resulted in the generation of small kink folds are generally minor in extent and origin. The mapping program undertaken on the property failed to produce any evidence of these latter phases.

6.4 Glacial Geology

The Squaw Lake area was covered by several ice sheets. The Patricia ice sheet, the last known glacial event, retreated at the end of the Wisconsin stage. Glacial striae and other glaciological features consistently trend southwest to south-southwest (Trowell, 1983).

The Salkeld property generally contains a thin layer of till (less than 1 metre). The till was found to be generally poorly to moderately sorted and consists of sand and silt size particles with a minor clay component. This would seem to suggest that the till was reworked by glacio-lacustrine or perhaps glacio-fluvial processes.

7.0 SOIL GEOCHEMISTRY

During the fall of 1986 a soil survey was undertaken over claims Pa 816312 and Pa 816313. The horizon collected during this program was the B horizon and the spacing of sampling was 10 metres. The average

depth of the sample site was generally between 4 and 7 inches. The samples were sent for Au (ppb) analysis to X-Ray Assay Laboratories Limited of 1885 Leslie Street, Don Mills, Ontario. The samples were first dried and screened down to -80 mesh. The samples were then analysed using a lead fire assay method which has a detection limit of 1 ppb. The sample locations, values, and descriptions are shown in Appendix B.

The soil samples were generally found to be light brown to sandy brown in colour. The predominent components of the soil were consistently silt and sand sized particles with very little pebble and clay sized particles. Organic content was found to be generally less than 5%. A majority of the samples obtained values less than 30 ppb. The lowest values encountered were less than the detection limit of the analytical method used (ie. less than 1 ppb) and the highest value encountered was 9300 ppb.

The geochemical data has been presented in two forms. First, in figure 2 the data has been presented in a standard x-y histogram plot with frequency and Au (ppb) being the two parameters. From the histogram plot it was determined that the data set accumulated from the soil survey consists of a single population, ie. the data suggests that there are not 2 or more populations with 2 or more background thresholds. The data was also presented in table form as can be seen in table 2. From table 2 it was concluded that the background threshold would be set at 30 ppb, ie. roughly 80% of the soil values were less than or equal to 30 ppb and values greater than 30 ppb were considered anomalous.

From figure 2 and table 2 the following subdivisions of the geochemical data were made.

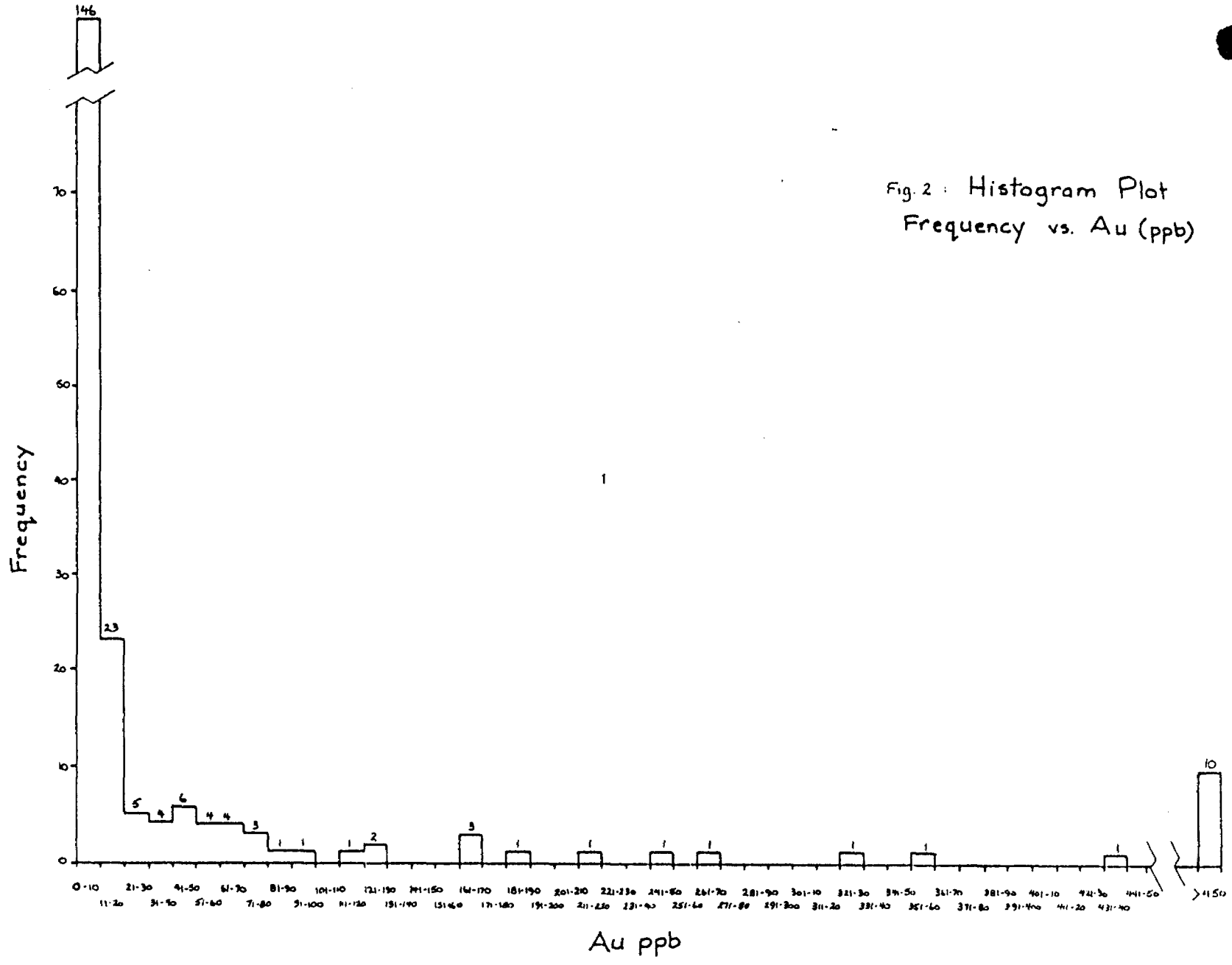


Fig. 2 : Histogram Plot
Frequency vs. Au (ppb)

TABLE 2: Table showing Cumulative % Frequency for a given interval

Interval (Au ppb)	Frequency	% Frequency	Cumulative % Frequency
0- 10	146	66.36%	66.36%
11- 20	23	10.45	76.82
21- 30	5	2.27	79.09
31- 40	4	1.82	80.91
41- 50	6	2.72	83.64
51- 60	4	1.82	85.46
61- 70	4	1.82	87.27
71- 80	3	1.36	88.64
81- 90	1	0.46	89.09
91- 100	1	0.46	89.55
101- 110	0	0	89.55
111- 120	1	0.46	90.01
121- 130	0	0	90.01
131- 140	2	0.91	90.92
141- 150	0	0	90.92
151- 160	0	0	90.92
161- 170	3	1.36	92.28
171- 180	0	0	92.28
181- 190	1	0.46	92.74
201- 210	0	0	92.74
211- 220	1	0.46	93.20
241- 250	1	0.46	93.66
251- 260	0	0	93.66
261- 270	1	0.46	94.12
271- 330	0	0	94.12
331- 340	1	0.46	94.58
341- 360	0	0	94.58
361- 370	1	0.46	95.03
371- 440	0	0	95.03
441- 450	1	0.46	95.49
451-9300	10	4.51	100.00

0- 30 ppb	background
31-100 ppb	slightly anomalous
101-450 ppb	anomalous
greater than 450 ppb	strongly anomalous

Using these parameters and highlighting the anomalous values on the Geochemistry Map (back pocket) it was concluded that 3 distinct anomalous areas existed. These areas were labelled A, B, and C and are discussed individually below.

7.1 Anomalous Area A

This area was located within the area of trench 8 (8+20S/1+20E). The anomalies correspond well to the high values encountered in trench 8. Although the high grade vein was only found in the trench the pattern of the anomalies suggest that the vein has a greater strike length than was previously envisioned. The strike potential of this vein has increased both north and south of trench 8 to a length of approximately 100 metres.

7.2 Anomalous Area B

This area was found to correspond to trenches 1 and 2 (9+10S/0+10W). The extent of the anomalous area was small suggesting that the veins encountered in these trenches contained a limited strike potential. However, this fact was due in part to the poor recovery of samples in the cedar swamp just east of the trenches. As such it was concluded that the results for these veins remained inconclusive.

7.3 Anomalous Area C

Anomalous area C was located within the vicinity of trench 10 (7+20/0+10E). Samples taken from the trench failed to yield any impressive results. Therefore, it was concluded that Area C was the result of another source. To date this source remains undiscovered.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose for attempting the soil survey over the Salkeld property was to establish the likelihood of continuity of several auriferous veins uncovered during a previous mapping and sampling program. Some of the veins, most notably the vein in trench 8, were of extremely high grade (366.0 gt/0.3m). The "flagged" grid over which the soil survey was performed was aligned in such a way, to maximize the glacial ice direction and to maximize the strike length of the veins (ie. the grid lines were arrranged roughly perpendicular to ice direction and the known strike of some of the veins). In doing this it was determined that "cut off" areas would be more readily apparent. From the resultant data accumulated the following conclusions can be made.

1. The soil survey failed to enhance the exploration target in the area of trenches 1 and 2. This could possibly be the result of insufficient soil sample coverage due to topography (ie. cedar swamps).

2. The soil survey uncovered a new source of anomalous material to account for anomalous area C.

3. The soil survey appeared to have increased the strike potential of the high grade vein in trench 8.

Although the soil survey has marginally increased the exploration potential of the Salkeld property, the results remain inconclusive. Three options remain for the property at the present time.

A. Prepare and proceed with a small scale drilling program.

B. Return the property to its rightful owner.

C. Undertake an inexpensive surface exploration program to increase the knowledge of the surface geology.

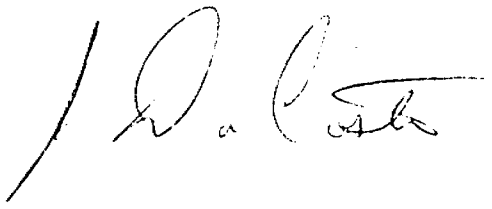
Both options A and B are drastic solutions to the present program. As a result the Author recommends option C, to undertake a relatively inexpensive surface exploration program. The program would be a power stripping operation with the use of a backhoe. The program would require the completion of 7-10 backhoe trenches to test the quartz vein strike length, width, and continuity. Upon the completion of this program the decision between option A and B could be more conveniently made.

9.0 REFERENCES

TROWELL, N.F., 1977: Geology of the Squaw Lake - Sturgeon Lake Area, District of Thunder Bav, Ontario Geological Survey, OFR 5225, 230p, 14 tables, 58 photos, 7 figures, 4 maps.

TROWELL, N.F., 1983: Geology of the Squaw Lake - Sturgeon Lake Area, District of Thunder Bay, Ontario Geological Survey, Report 227, 114 p, accompanied by map 2420, scale 1:31680.

Respectfully submitted.....



J.L. DaCosta

APPENDIX A

PREVIOUS WORK

52 J/02SE-0054-D1

ID: 16mm

Extracts from Owner's report follow:

3 claims TB-34278, 79,80 staked and held in name of C. D. Selkeld, owner. 3 claims BG-164,165, & 166 are patented and held by Salkeld under option. Located on east side of Belmore Bay of Sturgeon Lake.

Reached from Savant Lake Station by 3 mile government road to Trapper's Landing on N.W. arm and 17 miles deep water to Belmore Bay.

Country rock mostly massive andesites with diorite bosses and quartz and feldspar porphyries.

A quartz vein has been traced for 700 ft. striking N.E., dip to S.E., surface width 2 ft. (Claim it has not been exposed across full width).

Six X-Ray holes (Salkeld says information obtained from Anglo-Huronian) cover 200 ft. in length

#1 Anderson $18.90/5.2
#2 Anderson $70.00/3.0
#3 Anderson $87.00/4.1

#1 Drilled by Hutchinson of Coniages, not sure of actual assey but a fine sample.

#3 Cut 3 vein at 39 ft.—cut 7 ft. plus 7ft. of quartz porphyry, check assays of $497.00 and $505.00 at 80 - 85'. $6.25/6.0, at 158" 0.80/4.1

In addition to above records show that another hole placed near last #3 intersected $140.00, (width not given)

8 + 10 test pit started to 10 ft. deep at #3 D.D.H. to intersect high grade indicated by #3 hole

ONT. DEPT. OF MINES
MAR 28 1962
Resident Geologist, Kenora, Ont.

165 Carlton St.
TORONTO. ONT.

Sylvanite Gold Mines Ltd.
P.O.B. 670
KIRKLAND LAKE.
ONTARIO.

Attention EXPLORATION Department.

Gentlemen,

Thank you for yours of the 4th.inst. addressed to Box 935. Northern Miner.

Enclosed herewith please find brief preliminary report covering the LEONORA GROUP of mining claims in the Sturgeon Lake area. I hope that you will find this brief of interest to you and that I will hear further from you.

On the other hand,should you not be interested would you kindly return at least all the enclosures,as maps are not althgether easy to obtain.

You will note on the claim blueprints the new stakings (numbers) in the King's Bay section,there is also activity at Six Mile Lake, these interests,together with the Red Lake road and the development in the Pickle-Crow area,as well as the activity in the Kenora area show the interests in North-western Ontario.

ONT. DEPT. OF MINES
MAR 28 1962
Resident Geologist, Kenora, Ont.

I am,
Yours very truly,

C.D.Salkeld.

Midway 5580

Index under Sturgeon Lake Area.

21

September 12th, 1946

Mr. C. D. Salkeld,
165 Carleton Street,
TORONTO, Ontario

Dear Sir:

I have gone over the report on your claims with interest.

I am making a trip to Red Lake, via Kenora and Geraldton, this month and expect to be back in Geraldton on Friday, the 27th. I could arrange to look over your showing at that time, if there is someone there who could show me around. However, before deciding to do so, I should like a little more information. What about surface assays? Is the surface showing in such shape that it could be sampled? What is the dip of the vein? The two blueprints by Dawson are presumably of the same showing but they do not much resemble each other, the drill holes do not much look like the same thing. Also he does not distinguish between the two number ones, number twos and number threes.

If we took on your property the general terms you speak of might be satisfactory, except that a month for preliminary sampling would not be enough. What cash and interest did you have in mind?

I am leaving here by car on the 16th. A letter will reach me at the Palace Hotel, Hearst till Wednesday and possibly Thrusday. I will be at Kenricia Hotel, Kenora Thrusday, the 26th.

I am returning your brochure, as I do not want to keep it till I return to Kirkland Lake. I have taken the bulk of the information from it.

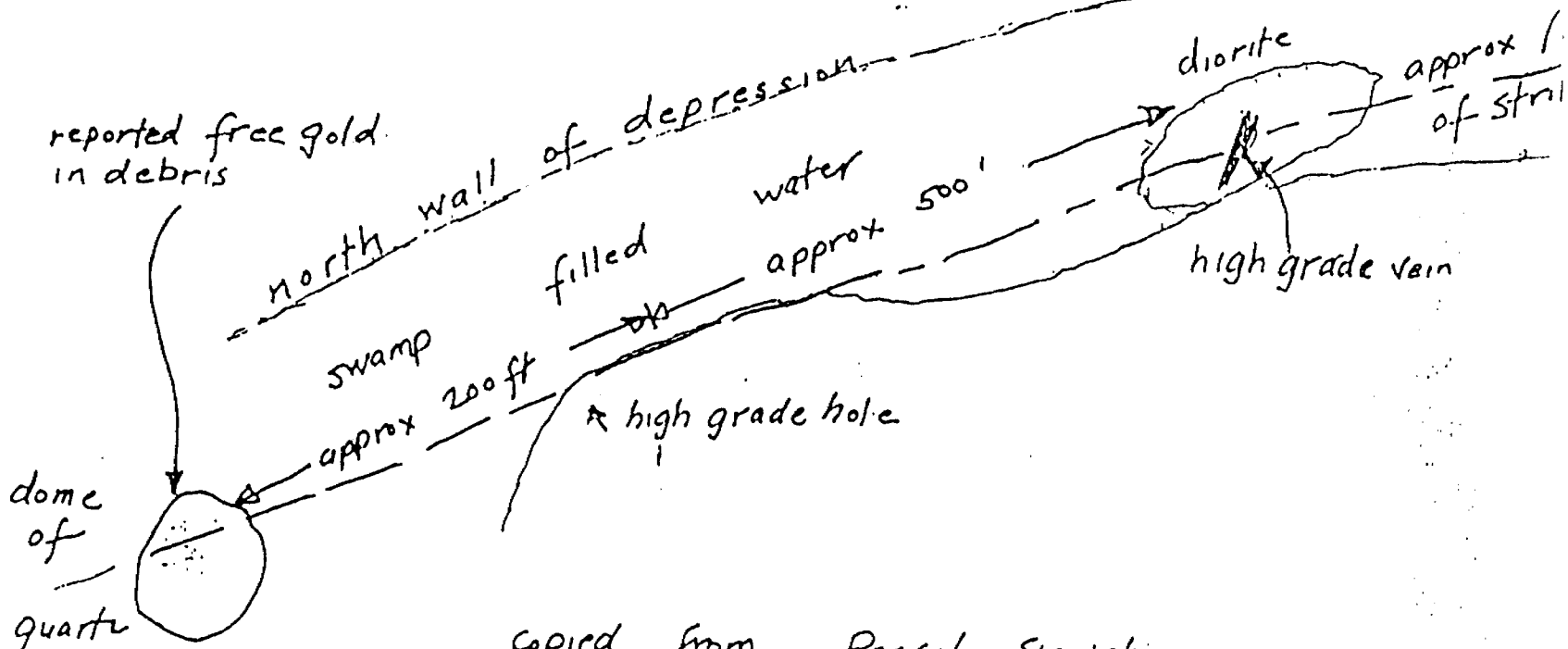
Yours very truly,

SYLVANITE GOLD MINES, LIMITED
(No Personal Liability)
EXPLROATION DEPARTMENT
Superintendent.

WDS:md

DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW

reported in section 40ft
Quartz galena & chalcopyrite



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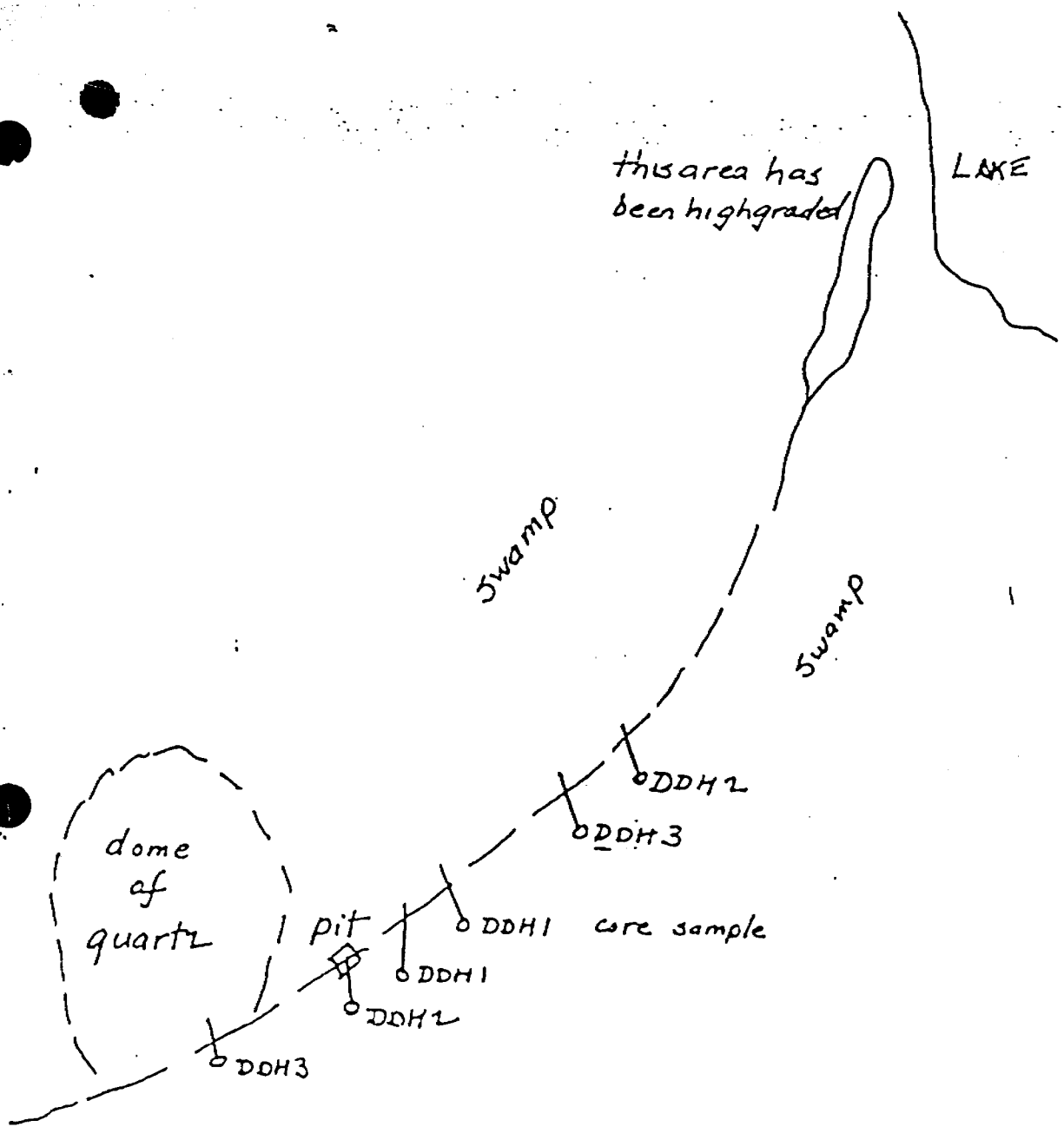
by CD. Dawson EM June 9/37
CLAIM TB 34280 (EX 11618 of)
SALKELD GROUP

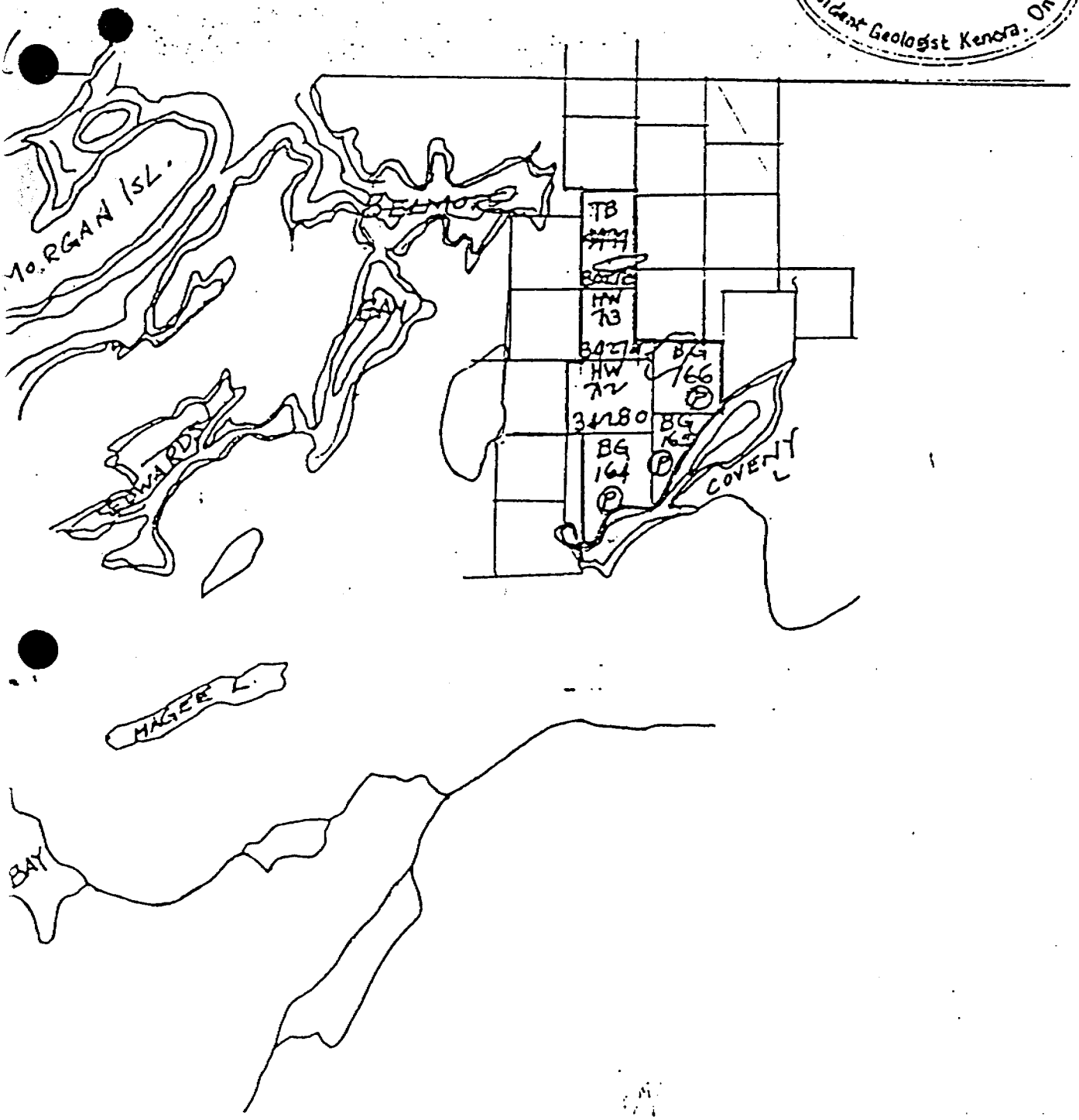
ONT. DEPT. OF MI
MAR 28 1962
District Geologist, Kenr



copied from pencil sketch by
C D Dawson EM June 9/37
CLAIM TB 34280 (ER 11616) of
SALTFLD GROUP

ONT. DEPT. OF MINES
MAR 28 1962
Resident Geologist Kenora, Ont.

MAR 28 1962
Resident Geologist Kenora, Ont.



52 J/02SE-0010-A1

OAD: 16mm

DD 10

DRILLING DONE ON
TB 61878 FOR
TB 61877-78-79
LOCATED SOUTH
STURGEON LAKE
AREA

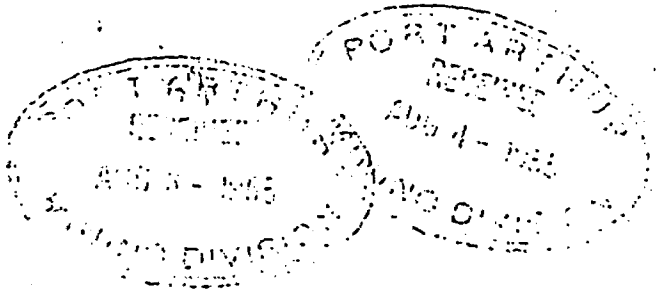
CLAIM - 61878

HOLE NO. 1. - TOOLS STARTED 47° Dip, Bearing 160°

0-25	Diabase greenstone
25-25.5	Quartz
25.5-28	Weathered quartz porphyry
28-37	Diabase greenstone
37-43	Quartz inclusions in greenstone
43-43.5	Quartz
43.5-59	Greenstone, minor quartz, sulfides
59-60	Quarta, inclusions of sulfides and greenstone
60-93	Greenstone, minor quarta, sulfides
93-164	Greenstone, sulfides, inclusion of quartz indicate occasional stringers 1/2" or less

The above logs for the diamond drill EX 3/4 holes were drilled durin- the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.



This file contains work performed by L. Anderson on claim:

	FOOTAGE			
TB.61878	164'	Hole #1;	164'	Aug., 1955 (filed with O.D.M.)
		2;	159'	Aug., 1955 "
		3;	153'	Aug., 1955 "
		4;	147'	Aug., 1955 "
		5;	166'	Aug., 1955 "
		6;	127'	Aug., 1955 "
		7;	103'	Aug., 1955 "
		8;	172'	Aug., 1955 "
		9;	87'	Aug., 1955 "
		10;	111'	Aug., 1955 "

TOTAL: 10 DH 1391 FT

CLAIM - 61878

Hole No. 2. - Tools started 45° Dip, Bearing 264°

0-23.6	Greenstone, minor quartz, sulfides
23.6-25	Quartz, sulfides
25-28.6	Greenstone, minor quartz sulfides
28.6-58	Greenstone
58-65	Greenstone, minor quartz, sulfides
65-66.5	Quartz, sulfides
66.5-88	Greenstone, quartz, sulfides
88-159	Greenstone, sulfides, stringer quartz

The above logs for the diamond drill EX 3/4 holes were drilled during the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.

CLAIM - 61878

Hole No. 3. - Tools started 50° Dip, Bearing 264°

0-23	Greenstone
23-26	Quartz, much sulfide, megascopic free gold
26-35	Quartz
35+68	Greenstone, sulfides
68-70.5	Quartz
70.5-90	Greenstone, quartz, sulfides
90-153	Greenstone, sulfides, stringer quartz

The above logs for the diamond drill EX3/4 holes were drilled during the months of September and October 195[illegible].

The term "Greenstone" referred to is a low grade metamorphism diabase rock.

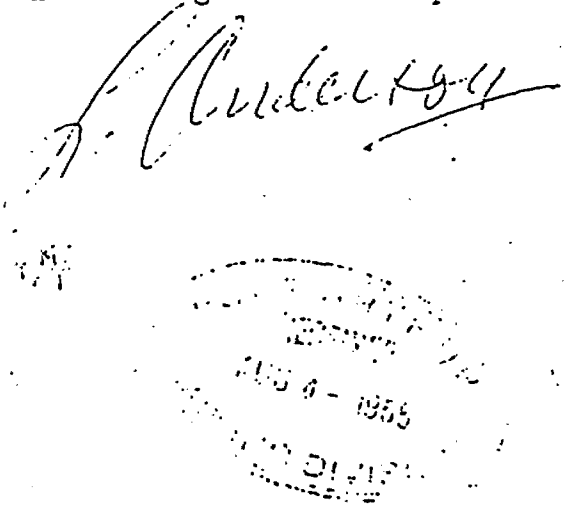
CLAIM - 61878

Hole No. 4. - Tools started 60° Dip, Bearing 240°

0-30	Greenstone, Quartz, inclusions,
30-35	Greenstone, 40% quartz with sulfides
35-40.6	Greenstone
40.6-45.6	Greenstone, some quartz with sulfides
45.6-50.6	Greenstone, quartz& much sulfide
50.6-59	Quartz
59-73	Greenstone, minor quartz with sulfides
73-90	Greenstone
90-147	Greenstone, stringer quartz with sulfides

The above logs for the diamond drill EX 3/4 holes were drilled during the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.



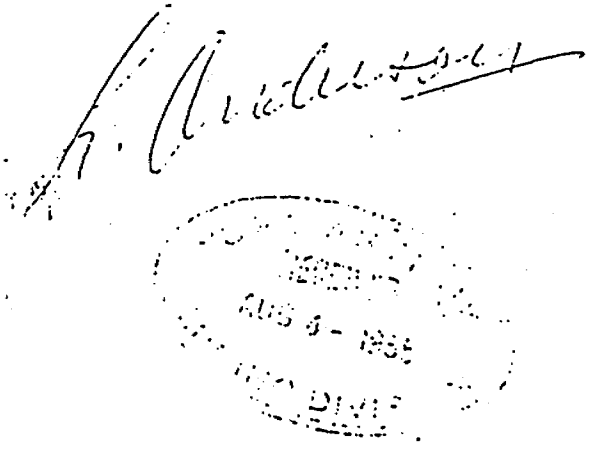
CLAIM - 61878

Hole No. 5. - Tools started 54° Dip, Bearing 255°

0-20	Greenstone
20-24	Quartz with sulfides
24-29.6	Greenstone, minor quartz, sulfides
29.6-34.6	Quartz, sulfides, minor greenstone
34.6-45	Greenstone, 30% quartz, sulfides
45-69	Greenstone
69-98	Greenstone, minor quartz, sulfides
98-101	Quartz
101-123	Greenstone, minor quartz, sulfides
123-166	Greenstone, quartz stringer inclusions.

The above logs for the diamond drill EX 3/4 holes were drilled during the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.



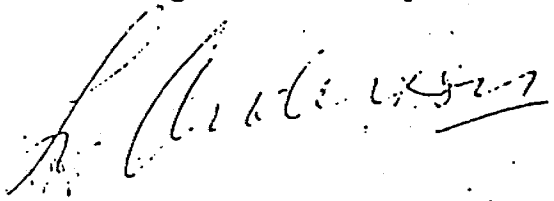
CLAIM 61878

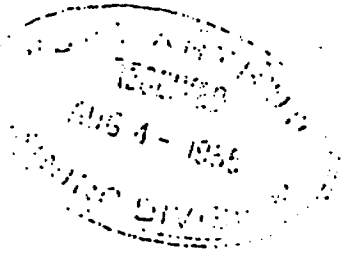
Hole No. 6. - Tools started 45° Dip, Bearing 245°

0)-10	Greenstone
10 -19.6	Greenstone, minor quartz, sulfides,
19.6-21	Quartz, sulfides
21-37.6	Greenstone, minor quartz
37.6-41.6	Quartz with sulfides; minor greenstone
41.6-47	Quartz with sulfides
47-52	Greenstone
52-67	Greenstone, minor quartz
67-77	Quartz, sulfides
77-78.5	Quartz
78.5-80	Quartz, minor sulfides
80-93	Greenstone, minor quartz
93-127	Greenstone

The above logs for the diamond drill Ex 3/4 holes were drilled during the months of September and October 1954.

The term"Greenstone" referred to is a low grade metamorphism diabase rock.





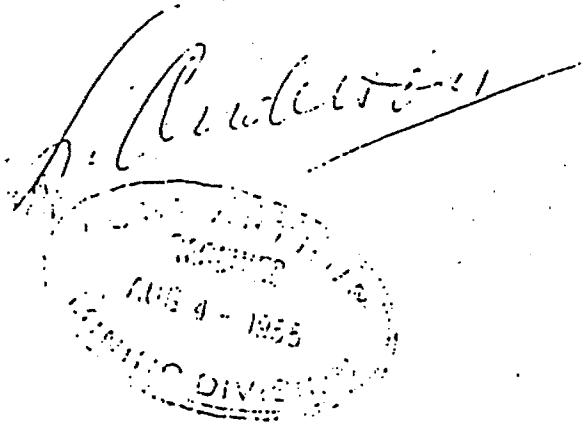
CLAIM 61878

Hole No. 7. - Tools started 50° Dip, Bearing 250°

0-37	Greenstone
37-40	Greenstone 70%, Quartz 30%, sulfides
40-42	Quartz 50%, Greenstone 50%, much sulfides
42-45	Quartz, massive sulfide inclusions,
45-47	Greenstone, quartz 30%, sulfides
47-50	Quartz, massive sulfides
50-54	Quartz, 50% sulfides
54-68	Greenstone, minor quartz
68-103	Greenstone

The above logs for the diamond drill EX 3/4 holes were drilled during the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.



CLAIM 61878

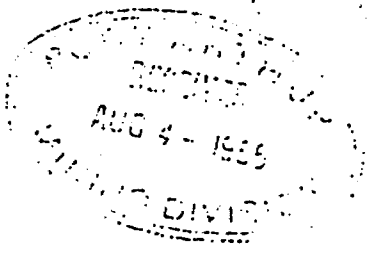
Hole No. 8. - Tools started 45° Dip, Bearing 235°

0-40	Greenstone
40-47	Greenstone, minor quartz, sulfides
47-52	Quartz
52-68	Quartz, minor sulfides
68-68.5	Quartz
68.5-72	Quartz, minor sulfides, greenstone
72-93	Greenstone minor quartz, sulfides
93-112	Greenstone
112-121	Greenstone, quarts 50%, Massive sulfides
121-124	Quartz
124-140	Greenstone, minor quartz
140-156	Greenstone
156-172	Greenstone, minor quartz

The above logs for the diamond drill EX 3/4 holes were drilled during the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.

F. Anderson



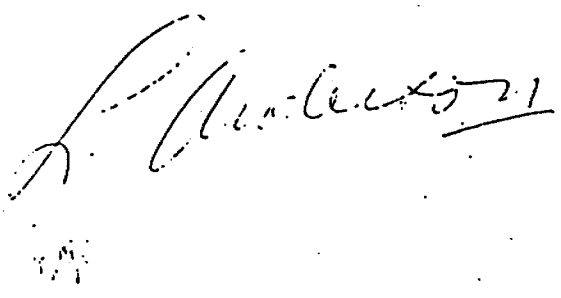
CLAIM 61878

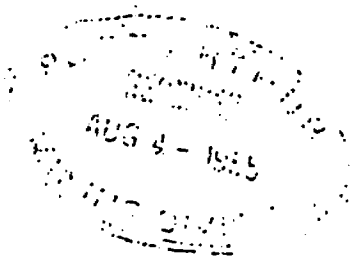
Hole No. 9. - Tools started 55° Dip, Bearing 230°

0-45	Greenstone
45-50.5	Greenstone, minor quartz, sulfides
50.5-52	Quartz
52-60.5	Greenstone, minor sulfides,
60.5-89	Greenstone

The above logs for the diamond drill EX 3/4 holes were drilled during the months of September and October 1954.

The erm "Greenstone" referred to is a low grade metamorphism diabase rock.





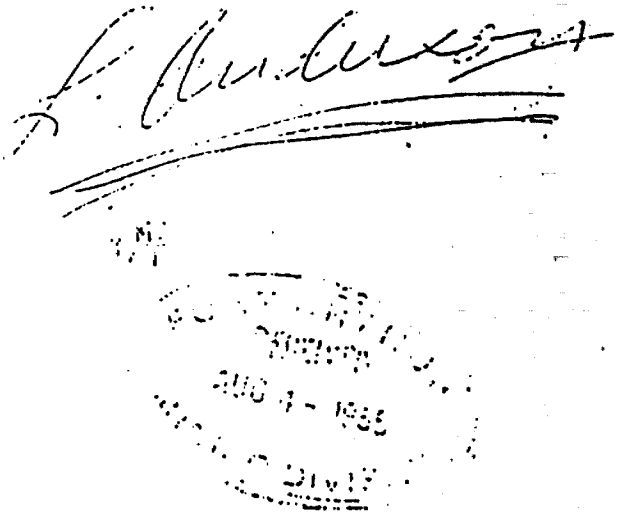
CLAIM 61878

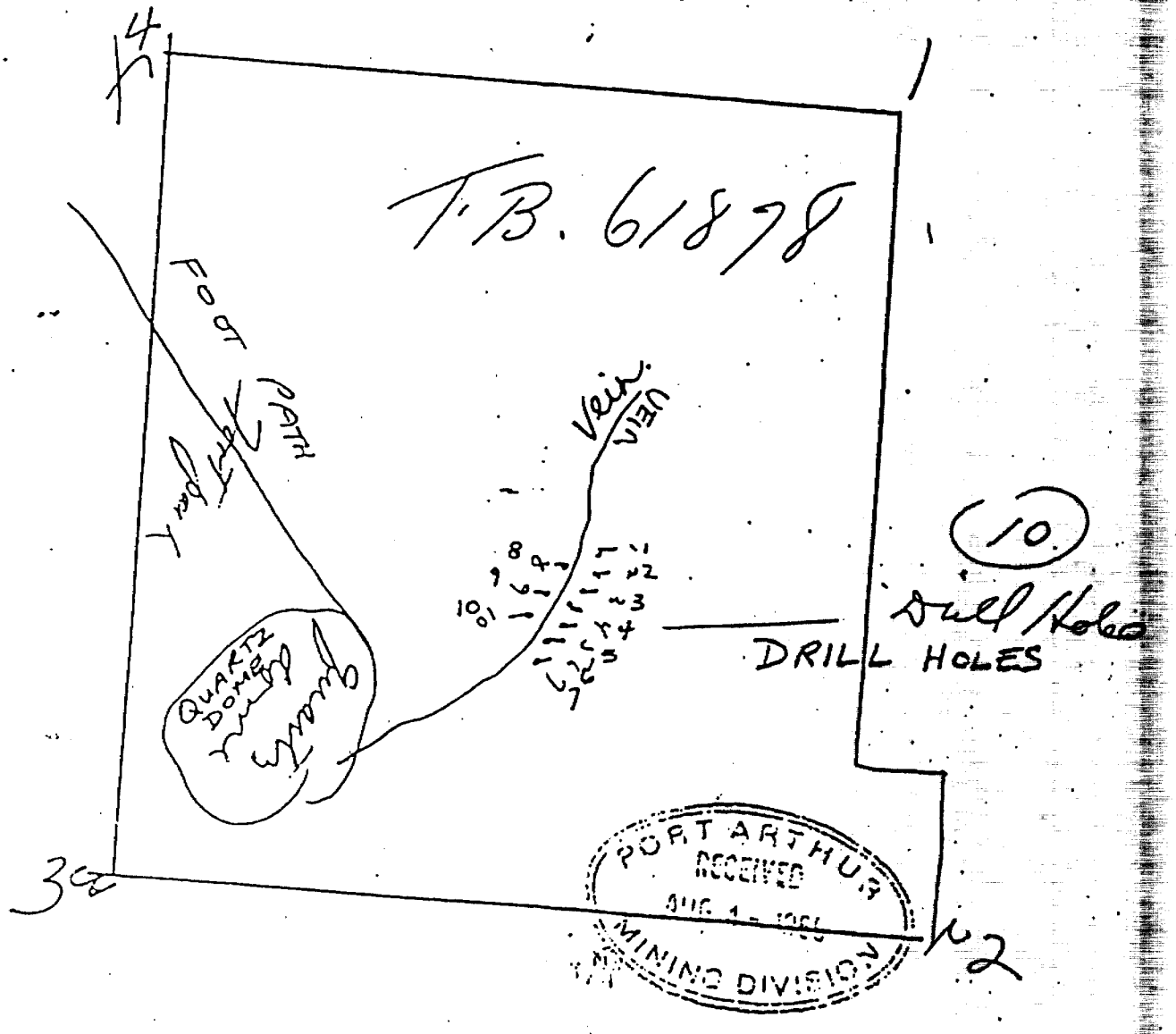
Hole No. 10. - Tools started 55° Dip, Bearing 225°

0-53	Greenstone
53-59	Greenstone, minor quartz, sulfides
59-62	Quartz, sulfides with minor greenstone
62-62.5	Quartz
62.5-64	Quartz minor massive sulfides
64-73	Greenstone, minor sulfides, quartz
73-80	Greenstone, minor quartz
80-111	Greenstone

The above logs for the diamond drill Ex 3/4 holes were drilled during the months of September and October 1954.

The term "Greenstone" referred to is a low grade metamorphism diabase rock.

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MINING DIVISION

APPENDIX B

SOIL SAMPLE VALUES

FALCONBRIDGE LIMITED

Soil Sample Record

Project: Salkeld Property Sampled by: J.L. DaCosta

Sample Number	Location*	Description	Au ppb
SS 9151	BL/1+50N	Sandy brown colour, 15% organics, predominantly silty, sandy 5 metres from tr 8 (3 in)	450
SS 9153	L1+50N/0+10W	Light brown colour, 15% organics, silt predominant component 3m from tr 8 (6 in)	25
SS 9155	L1+50N/0+20W	Sandy brown colour, 10% organics, sandy silty (4 in)	33
SS 9157	L1+50N/0+30W	Sandy brown colour, 5% organics, sandy silty (7 in)	< 1
SS 9159	L1+50N/0+40W	Light brown, 5% organics, silty (5 in)	250
SS 9161	L1+50N/0+50W	Light brown, 10% organics, silty clay (4 in)	2
SS 9163	L1+50N/0+60W	Light brown, 5% organics, sandy silty (6 in)	8
SS 9165	L1+50N/0+70W	Rusty brown, 10% organics, sandy silty, qtz boulders at sample site (5 in)	1300
SS 9168	L1+20N/0+70W	Light brown, 5% organics, sandy silty (7 in)	5
SS 9170	L1+20N/0+60W	Rusty brown colour, 5% organics, silty (3 in)	3700
SS 9172	L1+20N/0+50W	Brown colour, 15% organics, silty (7 in)	64
SS 9174	L1+20N/0+40W	Light brown, 10% organics, sandy (4 in)	10
SS 9176	L1+20N/0+30W	Light brown, 15% organics, silty (5 in)	< 1
SS 9178	L1+20N/0+10W	Light tan colour, 10% organics, sandy, silty, near cedar swamp (4 in)	< 1
SS 9179	LO+90N/BL	Tan coloured, 25% organics, silty, sandy, in cedar swamp (10 in)	5
SS 9180	LO+90N/0+20W	Light brown, 15% organics, sandy, on edge of cedar swamp (9 in)	220
SS 9182	LO+90N/0+30W	Light brown, 5% organics, silty (4 in)	< 1
SS 9184	LO+90N/0+40W	Tan coloured, 5% organics, silty sandy (5 in)	140
SS 9186	LO+90N/0+50W	Light brown, 5% organics, silty sandy (3 in)	< 1
SS 9188	LO+90N/0+60W	Tan coloured, 10% organics, sandy silty (5 in)	< 1
SS 9190	LO+90N/0+70W	Tan coloured, 10% organics, sandy silty (6 in)	< 1
SS 9193	LO+90N/0+10E	Light brown in colour, 10% organics sandy (4 in)	140
SS 9195	LO+90N/0+20E	Tan colour, 5% organics, silty (4 in)	5
SS 9197	LO+90N/0+30E	Light brown, 5% organics, silty (3 in)	< 1
SS 9199	LO+90N/0+40E	Brown in colour, 5% organics, sandy silty (7 in)	170
SS 9201	LO+90N/0+50E	Light brown, 5% organics, silty, clay (6 in)	2
SS 9203	L1+20N/0+20E	Brown in colour, 5% organics silty, on the edge of cedar swamp	< 1
SS 9205	L1+20N/0+30E	Tan colour, 10% organics, silty, sandy (4 in)	3
SS 9207	L1+20N/0+40E	Brown in colour, 10% organics, silty (5 in)	< 1
SS 9209	L1+20N/0+50E	Tan in colour, 5% organics, sandy (6 in)	< 1
SS 9210	L1+50N/0+50E	Light brown, 10% organics silty, (5 in)	3
SS 9212	L1+50N/0+40E	Brown in colour, 15% organics, silty sandy (3 in)	13
SS 9214	L1+50N/0+30E	Brownish grey, 10% organics, silty sandy (4 in)	2000
SS 9215	L1+50N/0+10E	Brown in colour, 15% organics, sandy (7 in)	1800

* Location according to "flagged" soil survey grid as opposed to "cut" line grid shown on base map.

Sample Number	Location*	Description	Au ppb
SS 9217	L0+60N/BL	Brown in colour, 15% organics, silty (8 in)	76
SS 9220	L0+60N/0+20E	Brown in colour, 15% organics, silty sandy (6 in)	190
SS 9222	L0+60N/0+30E	Brown in colour, 5% organics, silty (4 in)	57
SS 9225	L0+30N/0+50E	Light brown, 10% organics, silty (5 in)	43
SS 9227	L0+30N/0+40E	Dark brown colour, 20% organics, silty (6 in)	59
SS 9229	L0+30N/0+30E	Light brown, 5% organics, sandy (7 in)	7
SS 9231	L0+30N/0+20E	Brown to rusty brown, 5% organics, sandy silty (4 in)	15
SS 9234	L0+30N/BL	Brown in colour, 5% organics, silty sandy (6 in)	6
SS 9235	L0+00/BL	Brown in colour, 5% organics, silty sandy, near trenches (5 in)	2
SS 9237	L0+00/0+10E	Light brown, 5% organics, silty (6 in)	3
SS 9239	L0+00/0+20E	Tan to light brown, 5% organics, silty sandy (5 in)	23
SS 9241	L0+00/0+30E	Brown, 5% organics silty sandy (7 in)	46
SS 9243	L0+00/0+40E	Light brown, 10% organics, silty sandy (4 in)	77
SS 9245	L0+00/0+50E	Brown, 10% organics, sandy (5 in)	8
SS 9247	L0+30S/0+10E	Dark brown, 20% organics, silty (7 in)	2600
SS 9249	L0+30S/0+20E	Light brown, 10% organics, silty (4 in)	6
SS 9251	L0+30S/0+30E	Light brown, 10% organics, silty - clay (6 in)	9
SS 9253	L0+30S/0+40E	Reddish brown, 5% organics, silty (3 in)	11
SS 9255	L0+30S/0+50E	Light brown, 5% organics, silty (6 in)	< 1
SS 9256	L0+90S/0+00	Tan and light brown, 10% organics, sandy (4 in)	63
SS 9259	L0+90S/0+30E	Light brown, 5% organics, silty (3 in)	5
SS 9261	L0+90S/0+10W	Light brown, 5% organics, silty (5 in)	19
SS 9263	L0+90S/0+20W	Brown, 10% organics, sandy silty (6 in)	4
SS 9265	L0+60S/0+40W	Light brown, 5% organics, silty (7 in)	1
SS 9267	L0+60S/0+50W	Light brown, 5% organics, silty (5 in)	3
SS 9269	L0+30S/0+50W	Light brown, 5% organics, silty (7 in)	14
SS 9271	L0+30S/0+40W	Tan colour, 5% organics, sandy (4 in)	1
SS 9273	L0+30S/0+30W	Tan colour, 5% organics, silty sand (4 in)	< 1
SS 9275	L0+00/0+10W	Light brown, 10% organics, silty sandy (6 in)	2100
SS 9277	L0+00/0+20W	Brown, 5% organics, silty (5 in)	98
SS 9279	L0+00/0+50W	Tan colour, 10% organics, silty (8 in)	< 1
SS 9280	L0+30N/0+20W	Reddish brown, 5% organics, silty clay (6 in)	11
SS 9282	L0+30N/0+10W	Light brown, 5% organics, silty (5 in)	1
SS 9284	L0+60N/0+70W	Tan to light brown, 15% organics, silty clay (7 in)	14
SS 9286	L0+60N/0+60W	Light brown, 10% organics, silty sand (6 in)	15
SS 9288	L0+60N/0+50W	Tan colour, 5% organics, silty sand (4 in)	< 1
SS 9290	L0+60N/0+40W	Tan colour, 10% organics, sand	< 1

* Location according to "flagged" soil survey grid as opposed to "cut" line grid shown on base map.

FALCONBRIDGE LIMITED

Soil Record Sheet

Sample Number	Line	Sta.	Depth	Colour	Remarks	Au ppb
SS 22201	1+50N	0+80W	4 in.	reddish-brown	silt predominant component	47
SS 22202	1+50N	0+90W	4 in	brown	silty, qtz pebble at site	2
SS 22203	1+50N	1+00W	4 in	brown	sand, qtz, pebble at site	31
SS 22204	1+50N	1+10W	4 in	brown	silt predominant component	14
SS 22205	1+50N	1+20W	6 in	light brown	silt predominant component	9300
SS 22206	1+50N	1+70W	10 in	light brown to grey	silt predominant component	11
SS 22207	1+50N	1+80W	6 in	brown	silt predominant component	2
SS 22208	1+50N	1+90W	6 in	light brown	silt predominant component	4
SS 22209	1+50N	2+00W				2
SS 22210	1+50N	2+10W	6 in	brown	silt predominant component	2
SS 22211	1+50N	2+20W	7 in	brown	silt predominant component	10
SS 22212	1+50N	2+30W	10 in	light brown	silt predominant component	2
SS 22213	1+50N	2+90W	10 in	light brown	sand and silt predominant components	< 1
SS 22214	1+50N	3+40W	7 in	brown	silt predominant component	< 1
SS 22215	1+50N	3+50W	6 in	light brown	sand to silt predominant components	< 1
SS 22216	1+50N	3+60W	4 in	brown	silt predominant component	1
SS 22217	1+80N	0+90E	5 in	brown	sand & silt	6
SS 22218	1+80N	0+70E	4 in	brown	silt	5
SS 22219	1+80N	0+60E	6 in	brown	silt	< 1
SS 22220	1+80N	0+10E	10 in	grey	silt	31
SS 22221	1+80N	0+00	10 in	brown	silt	83
SS 22222	1+80N	0+10W	4 in	brown	silt	670
SS 22223	1+80N	0+30W	5 in	brown	silt	43
SS 22224	1+80N	0+40W	7 in	reddish-brown	silt	2700
SS 22225	1+80N	0+50W	11 in	brown	silt	11
SS 22226	1+80N	0+60W	8 in	grey	silt	57
SS 22227	1+80N	0+70W	12 in	brown	silt is predominant component	2
SS 22228	1+80N	0+80W	7 in	brown	silty	11
SS 22229	1+80N	0+90W	10 in	brown	silt	2
SS 22230	1+80N	1+10W	13 in	brown	silt	< 1
SS 22231	1+80N	1+20W	9 in	brown	silt	< 1
SS 22232	1+80N	1+30W	10 cm	grav	clay pebble till, white qtz sand	< 1
SS 22233	1+80N	1+50W	9 in	light brown	silty clay	2
SS 22234	1+80N	1+60W	20 cm	grey	clay-pebble basal till frag. white qtz	2
SS 22235	1+80N	1+70W	10 in	grey	silt	< 1
SS 22101	1+20N	0+80W	15 cm	tan brown	fine to coarse sand	1
SS 22102	1+20N	0+90W	20 cm	tan brown	silty to coarse sand	3
SS 22103	1+20N	1+00W	20 cm	grey tan	clay to granule size till	70
SS 22104	1+20N	1+10N	10 cm	grey to tan brown	silty to coarse sand	8
SS 22105	1+20N	1+20W	20 cm	grey to brown	sand to granule size	1
SS 22106	1+20N	1+60W	30 cm	brown-grey	clay to silt size	4
SS 22107	1+20N	1+70W	5 cm	tan-brown	silt - granule, near pit	270
SS 22108	1+20N	1+80W	5 cm	tan brown	silt-granule, near pit with qtz-carb stringers	34
SS 22109	1+20N	1+90W	20 cm	brown-grey	silt-granule	74

* Location according to "flagged" soil survey grid as opposed to "cut" line grid shown on base map.

Sample	Line	Sta.	Depth	Colour	Remarks	Au ppb
SS 22110	1+20N	2+00W	10 cm	grey-brown	silt-granule	3
SS 22111	1+20N	2+10W	10 cm	grey-brown	clay	5
SS 22112	1+20N	2+20W	20 cm	grey	basal till, clay-granule	21
SS 22113	1+20N	2+90W	10 cm	grey	basal till, qtz-rich sand	< 1
SS 22114	1+20N	3+00W	20 cm	tan brown	silt-pebbles	2
SS 22115	1+20N	1+30E	15 cm	grey	clay-coarse sand	< 1
SS 22116	1+20N	1+10E	10 cm	grey brown	silt-pebble sand, white qtz sand	340
SS 22117	1+20N	1+00E	15 cm	grey brown	coarse-pebble sand, coarse gr. frag. white qtz	< 1
SS 22118	1+20N	0+80E	25 cm	tan brown	clay bouldery, till	< 1
SS 22119	1+20N	0+70E	15 cm	grey	clay pebble till, white qtz, sand sized granule	1
SS 22120	1+50N	0+70E	10 cm	brown grey	clay-pebble till, white qtz sand	< 1
SS 22121	1+50N	0+90E	20 cm	grey brown	clay boulder till	7
SS 22122	1+50N	1+00E	5 cm	grey brown	clay boulder till	2
SS 22151	0+90N	0+80W	6 in	brown	silt-sand	12
SS 22152	0+90N	0+90W	7 in	brown	silt	42
SS 22153	0+90N	1+00W	6 in	brown	silt-sand	66
SS 22154	0+90N	1+10W	7 in	brown	sand	21
SS 22155	0+90N	1+20W	8 in	brown	silt-sand	120
SS 22156	0+90N	1+30W	6 in	brown	sand	4
SS 22157	0+90N	1+40W	5 in	greenish grey	silt-sand	18
SS 22158	0+90W	1+50W	6 in	brown	silt-sand	3
SS 22159	0+90N	1+60W	4 in	light brown	sand	< 1
SS 22160	0+90N	1+70W	6 in	brown	silt-sand	19
SS 22161	0+90N	1+80W	4 in	brown	silt-sand	370
SS 22162	0+90N	1+90W	3 in	light brown	silt-sand	1500
SS 22163	0+90N	2+20W	4 in	brown	sand	< 1
SS 22164	0+90N	2+40W	4 in	brown	silt-sand	2
SS 22165	0+90N	2+60W	7 in	dark brown	silt-sand	2
SS 22166	0+90N	2+70W	6 in	dark brown	silt-sand	2
SS 22167	0+90N	2+90W	5 in	dark brown	silt-sand	16
SS 22168	0+90N	3+00W	6 in	dark brown	silt-sand	2
SS 22169	0+90N	3+40W	6 in	dark brown	silt-sand	< 1
SS 22170	1+20N	3+70W	7 in	brown	silt-sand	< 1
SS 22171	0+90N	1+50E	5 in	brown	sand	29
SS 22172	0+90N	1+40E	6 in	grey	sand	5
SS 22173	0+90N	1+30E	5 in	brown	sand	7
SS 22174	0+90N	1+00E	8 in	brown	silt-sand	5
SS 22175	0+90N	0+80E	5 in	brown	sand	2
SS 22176	0+90N	0+70E	6 in	brown	sand	2
SS 22177	0+90N	0+60E	6 in	brown	silt-sand	< 1
SS 22178	0+90N	0+50E	8 in	brown	sand	< 1
SS 22179	1+80N	1+80W	9 in	brown	silt - sand	1
SS 22180	1+80N	2+40W	6 in	grey	sand	< 1
SS 22181	1+80N	2+60W	7 in	brown	sand	3
SS 22182	1+80N	2+80W	6 in	brown	silt-sand	8
SS 22183	1+80N	3+00W	4 in	brown	sand	13
SS 22184	1+80N	3+10W	7 in	brown	sand	5
SS 22185	1+80N	3+20W	5 in	brown	sand	< 1

* Location according to "flagged" soil survey grid as opposed to "cut" line grid shown on base map.

FALCONBRIDGE LIMITED

Soil Record Sheet

Sample Number	Line	Sta.	Depth	Colour	Remarks	Au ppb
SS 22123	2+10N	1+70W	4 in	brown	sand	< 1
SS 22124	2+10N	1+60W	6 in	brown	sand	2
SS 22125	2+10N	1+50W	6 in	brown	silty sand	2
SS 22126	2+10N	1+40W	7 in	brown	sand	3
SS 22127	2+10N	1+30W	4 in	brown	sand	< 1
NA	2+10N	1+20W				
NA	2+10N	1+10W				
SS 22128	2+10N	1+00W	3 in	brown	silty sand	2
SS 22129	2+10N	0+90W	4 in	brown	sand	9
SS 22130	2+10N	0+80W	5 in	brown	sand	170
SS 22131	2+10N	0+70W	4 in	brown	sand	2
SS 22132	2+10N	0+60W	4 in	brown	silty sand	4
SS 22133	2+10N	0+50W	5 in	brown	sand	< 1
SS 22134	2+10N	0+40W	4 in	brown	silty sand	4
SS 22135	2+10N	0+30W	3 in	brown	sand	4
SS 22136	2+10N	0+20W	5 in	brown	silty sand	3
SS 22137	2+10N	0+10W	6 in	brown	sand	2
SS 22138	2+10N	0+00W	4 in	brown	sand	15
NA	2+10N	0+10E				
SS 22139	2+10N	0+20E	9 in	brown	sand	4
NA					swamp	
SS 22186	2+40N	1+60W	5 in	brown	sand	2
NA	2+40N	1+50W				
NA	2+40N	1+40W				
NA	2+40N	1+30W				
NA	2+40N	1+20W				
SS 22150	2+40N	1+10W	4 in	brown	sand	3
SS 22149	2+40N	1+00W	5 in	brown	sand	2
SS 22148	2+40N	0+90W	6 in	grey	sand	3
SS 22147	2+40N	0+80W	6 in	brown	sand	2
NA	2+40N	0+70W				
SS 22146	2+40N	0+60W	5 in	brown	sand	4
SS 22145	2+40N	0+50W	4 in	brown	sand	5
SS 22144	2+40N	0+40W	7 in	grey	sand	13
SS 22143	2+40N	0+30W	5 in	brown	sand	3
SS 22142	2+40N	0+20W	4 in	brown	sand	2
SS 22141	2+40N	0+10W	4 in	grey	sand	3
SS 22140	2+40N	0+00	6 in	brown	sand	45
NA	2+40N	0+10E			swamp	
SS 22187	2+70N	1+70W	5 in	brown	silty sand	170
SS 22188	2+70N	1+60W	4 in	brown	sand	15
NA		1+50W				

* Location according to "flagged" soil survey grid as opposed to "cut" line grid shown on base map.

Sample Number	Line	Sta.	Depth	Colour	Remarks	Au ppb
SS 22189	2+70N	1+40W	4 in	brown	silty sand	3
SS 22190	2+70N	1+30W	3 in	brown	sand	3
SS 22191	2+70N	1+20W	4 in	brown	sand	< 1
SS 22192	2+70N	1+10W	5 in	brown	sand	2
SS 22193	2+70N	1+00W	4 in	brown	sand	2
SS 22194	2+70N	0+90W	5 in	brown	silty sand	< 1
SS 22195	2+70N	0+80W	6 in	brown	sand	19
NA	2+70N	0+70W				
NA	2+70N	0+60W				
SS 22196	2+70N	0+50W	9 in	brown	silty sand	< 1
SS 22197	2+70N	0+40W	6 in	brown	silty sand	< 1
SS 22198	2+70N	0+30W	6 in	grey	sand	1
SS 22199	2+70N	0+20W	5 in	grey	sand	1
NA	2+70N	0+10W			swamp	
SS 22250	3+00N	2+10W	25 cm	grey	clayey sand, white qtz, sand size fragments	2
SS 22251	3+00N	2+00W	15 cm	tan brown	pebbly sand	2
SS 22252	3+00N	1+90W	10 cm	brown	silty sand	1
SS 22253	3+00N	1+80W	10 cm	tan-brown	bouldery-clayey silt	< 1
SS 22254	3+00N	1+70W	15 cm	grey brown	bouldery pebbly silty sand, white qtz fragments	2
NA	3+00N	1+60W			bedrock	
NA	3+00N	1+50W			bedrock	
SS 22255	3+00N	1+40W	15 cm	red-brown	clayey-silty sand	56
SS 22256	3+00N	1+30W	15 cm	tan-brown	bouldery silty sand	7
SS 22257	3+00N	1+20W	10 cm	grey-brown	silty sand	10
SS 22258	3+00N	1+10W	20 cm	brown	pebbly silty sand	11
NA	3+00N	1+00W			bouldery till	
SS 22259	3+00N	0+90W	10 cm	grey-brown	bouldery silty sand, white qtz, sand size fragments	10
SS 22260	3+00N	0+80W	15 cm	grey	bouldery pebbly silty sand, white qtz sand size fragments	2
SS 22261	3+00N	0+70W	15 cm	tan-brown	pebbly silty sand, white qtz, sand size fragments	11
SS 22262	3+00N	0+60W	15 cm	grey-brown	bouldery pebbly silty sand	3
SS 22263	3+00N	0+50W	10 cm	grey-brown	pebbly silty sand	6
SS 22264	3+00N	0+40W	10 cm	tan-brown	pebbly sand, white qtz, sand size fragments	< 1
NA	3+00N	0+30W			swamp	

* Location according to "flagged" soil survey grid as opposed to "cut" line grid shown on base map.

APPENDIX C

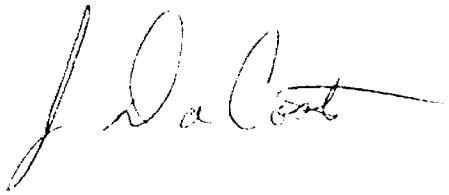
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, JOHN LIMA DACOSTA, of 534 Trent Avenue, Winnipeg, Manitoba, do hereby certify that I am a graduate of the University of Manitoba with a Bachelor of Science degree in Geology, 1984. I have been practising my profession in Canada since 1984.

I further certify that I have no direct interest in this claim group and the acccompanying report is based on the interpretation obtained during the survey of the property.

WITNESS:



J.L. DaCosta

APPENDIX D

SOIL GEOCHEMISTRY

-

DISTRIBUTION OF MAN DAYS

Soil Geochemistry

Total number of man hours	128	
Total number of man days	128 ÷ 8 = 16 man days	
Drafting, office:		4
Total man days		20
Total technical days	20 x 7 =	140

Total Number of Man Hours

	July						October				November				Total
	8	9	10	11	12	13	3	4	5	6	22	23	24	25	Hours
John DaCosta Winnipeg, Man.	8	8	8	8	8	8		8	8						64
Sid Hollingsworth Savant lake, Ont.	8	8													16
Dan Bosowec Winnipeg, Man.								8	8				8		24
Kevin Crowe Dryden, Ontario								8	8				8		24
															128 man hours

APPENDIX E

TECHNICAL REPORT

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: JOHN DACOSTA
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
5-SEP-86

REPORT 29198

REF. FILE 24897-C1

71 SOILS PROJ. PN522

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	1.000

DATE 16-SEP-86

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY .....

Jan 15/87

SAMPLE	AU PPB
SS9151	450
SS9153	25
SS9155	33
SS9157	<1
SS9159	250
SS9161	2
SS9163	8
SS9165	1300
SS9168	5
SS9170	3700
SS9172	64
SS9174	10
SS9176	<1
SS9178	<1
SS9179	5
SS9180	220
SS9182	<1
SS9184	140
SS9186	<1
SS9188	<1
SS9190	<1
SS9193	140
SS9195	5
SS9197	<1
SS9199	170
SS9201	2
SS9203	<1
SS9205	3
SS9207	1
SS9209	<1
SS9210	3
SS9212	13
SS9214	2000
SS9215	1800
SS9217	76
SS9220	190
SS9222	57
SS9225	43
SS9227	59
SS9229	7
SS9231	15
SS9234	6
SS9235	2
SS9237	3
SS9239	23
SS9241	46
SS9243	77
SS9245	8
SS9247	2600
SS9249	6

Jun 15/87

SAMPLE	AU PPB
SS9251	9
SS9253	11
SS9255	<1
SS9256	63
SS9259	5
SS9261	19
SS9263	4
SS9265	1
SS9267	3
SS9268	SMP MISS
SS9269	14
SS9271	1
SS9273	<1
SS9275	2100
SS9277	98
SS9279	<1
SS9280	11
SS9282	<1
SS9284	14
SS9286	15
SS9288	<1
SS9290	<1

Jan 15/87

SMP.MISS. - SAMPLE WAS NOT RECEIVED AT XRAL

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: JOHN DACOSTA
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
9-OCT-86

REPORT 29588

REF. FILE 25349-A5

92 SOILS PROJ. PN527

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	1.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 16-OCT-86

CERTIFIED BY .....

J. DaCosta
Jan 15/87

SAMPLE	AU PPB
SS-22101	1
SS-22102	3
SS-22103	70
SS-22104	3
SS-22105	1
SS-22106	4
SS-22107	270
SS-22108	34
SS-22109	74
SS-22110	3
SS-22111	5
SS-22112	21
SS-22113	<1
SS-22114	2
SS-22115	<1
SS-22116	340
SS-22117	<1
SS-22118	<1
SS-22119	1
SS-22120	<1
SS-22121	7
SS-22122	2
SS-22151	12
SS-22152	42
SS-22153	66
SS-22154	21
SS-22155	120
SS-22156	4
SS-22157	13
SS-22158	3
SS-22159	<1
SS-22160	19
SS-22161	370
SS-22162	1500
SS-22163	1
SS-22164	2
SS-22165	2
SS-22166	2
SS-22167	16
SS-22168	2
SS-22169	<1
SS-22170	<1
SS-22171	20
SS-22172	5
SS-22173	7
SS-22174	5
SS-22175	2
SS-22176	2

Jan 15/87

SAMPLE	AU PPB
SS-22177	<1
SS-22178	<1
SS-22179	1
SS-22180	<1
SS-22181	3
SS-22182	3
SS-22183	13
SS-22184	5
SS-22185	<1
SS-22201	47
SS-22202	2
SS-22203	31
SS-22204	14
SS-22205	9300
SS-22206	11
SS-22207	2
SS-22208	4
SS-22209	2
SS-22210	2
SS-22211	10
SS-22212	2
SS-22213	<1
SS-22214	<1
SS-22215	<1
SS-22216	1
SS-22217	6
SS-22218	5
SS-22219	<1
SS-22220	31
SS-22221	33
SS-22222	670
SS-22223	43
SS-22224	2700
SS-22225	11
SS-22226	57
SS-22227	2
SS-22228	11
SS-22229	2
SS-22230	<1
SS-22231	<1
SS-22232	<1
SS-22233	2
SS-22234	2
SS-22235	1

PATERSON ... JAN 1 8 ...

Jan 15/87

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: D. BOSAVEC
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
29-OCT-86

REPORT 29916

REF. FILE 25592-H5

5 ROCKS PROJ. PN522

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	1.000

X-RAY ASSAY LABORATORIES LIMITED

DATE 06-NOV-86

CERTIFIED BY .....

Jan 15/87

SAMPLE	AU PPB
SR-AD-9060	160
SR-AD-9061	2200
SR-AD-9062	62
SR-AD-9063	20
SR-AD-9064	2

SAMPLE	AU PPB
SS 22123	<1
SS 22124	2
SS 22125	2
SS 22126	3
SS 22127	<1
SS 22128	2
SS 22129	9
SS 22130	170
SS 22131	2
SS 22132	4
SS 22133	<1
SS 22134	4
SS 22135	4
SS 22136	3
SS 22137	2
SS 22138	15
SS 22139	4
SS 22140	45
SS 22141	3
SS 22142	2
SS 22143	3
SS 22144	13
SS 22145	5
SS 22146	4
SS 22147	2
SS 22148	3
SS 22149	2
SS 22150	3
SS 22186	2
SS 22187	170
SS 22188	15
SS 22189	3
SS 22190	3
SS 22191	<1
SS 22192	2
SS 22193	2
SS 22194	<1
SS 22195	19
SS 22196	<1
SS 22197	<1
SS 22198	1
SS 22199	1
SS 22250	2
SS 22251	2
SS 22252	1
SS 22253	<1
SS 22254	2
SS 22255	56

for 15/87

SAMPLE	AU PPB
SS 22256	7
SS 22257	10
SS 22258	11
SS 22259	10
SS 22260	2
SS 22261	11
SS 22262	3
SS 22263	6
SS 22264	<1

XRAL

X-RAY ASSAY LABORATORIES INC.

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO:
FALCONBRIDGE LIMITED
ATTN: JOHN DACOSTA
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO:

SUBMITTED TO:
FALCONBRIDGE LIMITED
ATTN: JOHN DACOSTA
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

RECEIVED
SEP-22-1986
Falconbridge Limited Exploration

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
29198	16-SEP-86	24897	5-SEP-86

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

JENTS P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	FN522		SOIL

NO. OF PKGS.	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
4 BAGS	SMALL FRY	19020	

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 71	AU, PPB	2, 10, 7, 0, 0, 0	6.50	461.50
2. 71	SOIL, DRYING & SCREENING	99, 2, 0, 0, 0, 0	0.80	56.80
1	MISSING SAMPLES			

Falkell

X-RAY ASSAY LABORATORIES
1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

71 soils @ 7.30 = 518.30

PAID DEC 5 1986
account paid in full
(payment received)
$524.10
Dec 5/86

X-RAY ASSAY LABORATORIES
1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4

SUB-TOTAL $ 518.30

MISC. CHARGES	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES	
	5.80				$ 5.80
	OTHER			SURCHARGE - RUSH SERVICE	

ORIGINAL INVOICE

RECEIVED DEC 5 1986

TOTAL IN $ 524.10

X-RAY ASSAY LABORATORIES INC.

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO:
FALCONBRIDGE LIMITED
ATTN: JOHN DACOSTA
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO:
SAME

SUBMITTED TO:
FALCONBRIDGE LIMITED
ATTN: JOHN DACOSTA
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
29583	16-OCT-86	25349	9-OCT-86

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O. NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
	PN522		SOIL

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BAG	SMALL FRY	22375	

QUANTITY		DESCRIPTION/METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	92	AU, PPB	2, 10, 7, 0, 0, 0	6.50	598.00 ✓
2.	92	SOIL, DRYING & SCREENING	99, 2, 0, 0, 0, 0	0.80	73.60 ✓

92 soils @ 7.30 = 671.60 AB

account payed in full $684.25

PAID DEC 5 1986
(payment received)

JBoracan Dec 5/86

X-RAY ASSAY LABORATORIES
LIMITED
1885 LESLIE STREET • DON MILLS, ONT. ... 3J4

J. Costa Jan 15/87

				SUB-TOTAL	$ 671.60 ✓
MISC. CHARGES	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX 12.65	MINIMUM CHARGES	$ 12.65
	OTHER			SURCHARGE - RUSH SERVICE	
				TOTAL IN $	$ 684.25

ORIGINAL INVOICE

RECEIVED DEC 5 1986

XRAL X-RAY ASSAY LABORATORIES INC.

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

ICE TO:
FALCONBRIDGE LIMITED
ATTN: D. BOSAVEC
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

COPY TO:

MITTED TO:
FALCONBRIDGE LIMITED
ATTN: D. BOSAVEC
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
29916	06-NOV-86	25592	29-OCT-86

TERMS

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	PM522	ROCK SOIL

PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
BAG	SMALL FRY	06249	

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
62	AU. PPB	2, 10, 7, 0, 0, 0	6.50	403.00
5	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	13.75
57	SOIL, DRYING & SCREENING	99, 2, 0, 0, 0, 0	0.80	45.60

57 @ 7.30 = 416.10

account paid in full $491.15 (payment received) Dec 5/86

PAID DEC 5 1986

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4

Jan 15/87

	SUB-TOTAL	$ 462.35
MISC. CHARGES — SHIPPING CHARGES: 28.80	CUSTOM BROKERAGE	TELEX
MINIMUM CHARGES		
OTHER	SURCHARGE - RUSH SERVICE	$ 28.80
TOTAL INC.		$ 491.15

ORIGINAL INVOICE

RECEIVED DEC 5 1986

900

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

51

File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Soil Geochemistry

Township or Area Squaw Lake, G 1340

Claim Holder(s) Falconbridge Limited

Survey Company Falconbridge Limited

Author of Report John L. DaCosta

Address of Author 534 Trent Avenue, Winnipeg, Manitoba

Covering Dates of Survey July 8/86 to January 21/87
(linecutting to office)

Total Miles of Line Cut _____

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical
- Electromagnetic _____
- Magnetometer _____
- Radiometric _____
- Other _____

Geological _____

Geochemical 40

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Jan 26/87 SIGNATURE: L. DaCosta
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
Pa	816312
Pa	816313

If space insufficient, attach list

TOTAL CLAIMS _____

837 (85/12)

52J02SE8670 2.9716 SQUAW LAKE

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken 2 claims, Pa 816312 and Pa 816313

Total Number of Samples 220

Type of Sample soil
(Nature of Material)

Average Sample Weight 30 grams

Method of Collection trowell and grubhoe

Soil Horizon Sampled B

Horizon Development variable

Sample Depth 3 - 8 inches

Terrain variable

Drainage Development variable

Estimated Range of Overburden Thickness 0-20m

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis -80 mesh

General

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☒

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others Au

Field Analysis (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Commercial Laboratory (220 tests)

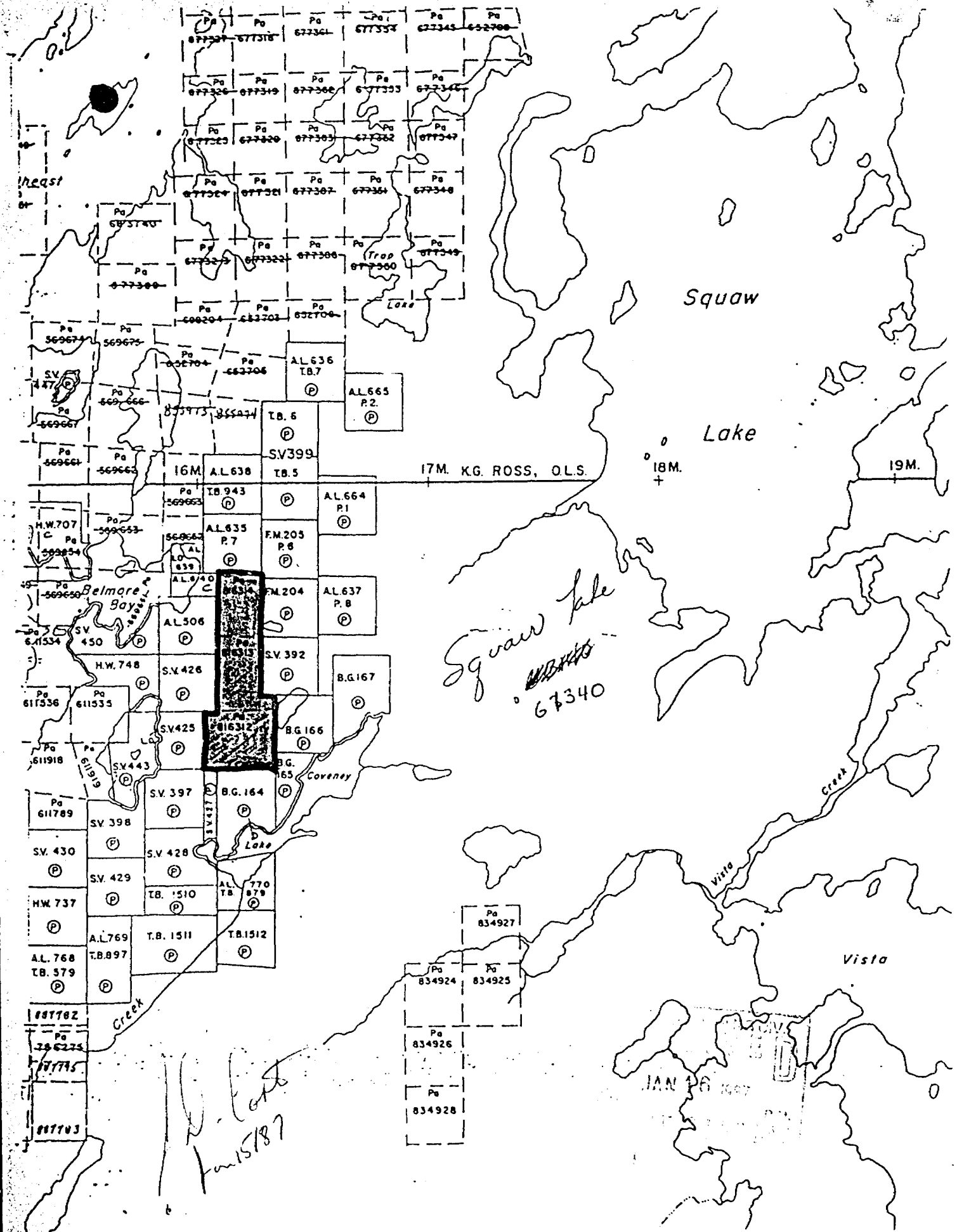
Name of Laboratory X-Ray Assay Laboratories

Extraction Method lead fire assay

Analytical Method plasma emission spectrometry

Reagents Used Aqua regia

General


Squaw
Lake
17M. K.G. ROSS, O.L.S.
18M.
19M.
16M.
Squaw Lake
67340
Belmore Bay
Coveney
Lake
Creek
Vista
Creek
Vista
JAN 26
A.L.636 T.B.7
A.L.665 P.2.
T.B. 6
S.V.399
T.B.5
A.L.638
T.B.943
A.L.664 P.1
A.L.635 P.7
F.M.205 P.8
F.M.204
A.L.637 P.8
A.L.640
A.L.506
S.V. 450
H.W.748
S.V.426
S.V. 392
B.G.167
S.V.425
B.G.166
S.V.443
B.G. 165
S.V. 397
B.G.164
S.V. 398
S.V. 430
S.V. 428
S.V. 429
H.W. 737
T.B. 1510
A.L. 770 T.B. 879
A.L.769 T.B.897
T.B. 1511
T.B.1512
A.L. 768 T.B. 579
834927
834924
834925
834926
834928

Seseganaga Lake Area
M-2872

52J/02SE
AREA of SQUAW LK
M-1904
Scale
1" = 40chains

Quest Lake Area - G-2556

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#86-171 2.9716

Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
Geochemical Survey	Squaw Lake, G1340
Claim Holder(s)	**Prospector's Licence No.**
Falconbridge Limited	A 21647
Address	
40th Floor, Commerce Court West, Toronto, Ontario M5L 1B4	
Survey Company	**Date of Survey (from & to)** / **Total Miles of line Cut**
Falconbridge Limited	05 06 86 (Day Mo. Yr.) 19 12 86 (Day Mo. Yr.)
Name and Address of Author (of Geo-Technical report)	
J.L. DaCosta 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2	

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	· Electromagnetic	
	· Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	
	· Other	
	Geological	
	Geochemical	
Man Days		**Days per Claim**
Complete reverse side and enter total(s) here	Geophysical	
	· Electromagnetic	
	· Magnetometer	
	· Radiometric	
	· Other	
	Geochemical	40
Airborne Credits		**Days per Claim**
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
DEC 10 1986
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
Pa	816312	
	816313	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

PA MINING DIV
RECEIVED
DEC – 3 1986
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

Pa. 770105

Total number of mining claims covered by this report of work. 2

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits
Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
80	Dec. 3, 1986	
	Date Approved as Recorded	Branch Director
	87.1.30 (2)	

Date	Recorded Holder or Agent (Signature)
Dec. 2/86	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
H.F. Keats 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2

Date Certified	Certified by (Signature)
Dec 2/86	

1362 (81/9)

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

Mining Act

#86-172 2.9716

R. Richelle

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
Geochemical	Squaw Lake, 61340
Claim Holder(s)	**Prospector's Licence No.**
Falconbridge Limited	A 21647
Address	
40th Floor, Commerce Court West, Toronto, Ontario M5L 1B4	
Survey Company	**Date of Survey (from & to)** Day / Mo. / Yr. — Day / Mo. / Yr.	**Total Miles of line Cut**
Falconbridge Limited	05 06 86 — 19 12 86	
Name and Address of Author (of Geo-Technical report)	
J.L. DaCosta 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2	

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	· Electromagnetic	
	· Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	
	· Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	· Electromagnetic	
	· Magnetometer	
	· Radiometric	
	· Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
DEC 2 0 1986
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
Pa	816312	24
	816313	23
	816314	60

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

PATRICIA MINING DIV.
RECEIVED
DEC – 3 1986
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

Expenditures (excludes power stripping)

Type of Work Performed	
Geochemical	SECTION 77-19
Performed on Claim(s)	
816312, 816313	

Calculation of Expenditure Days Credits

Total Expenditures			=	Total Days Credits
$1606.00	÷	15	=	107

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa. 770105

Total number of mining claims covered by this report of work: 3

Date	Recorded Holder or Agent (Signature)
Dec 2/86	

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
107	DEC. 3, 1986	
	Date Approved as Recorded	**Branch Director**
	87.1.30	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying		
H.F. Keats 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2		
	Date Certified	**Certified by (Signature)**
	Dec. 2/86	

1362 (81/0)

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey	Technical Days		7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
Geochemical Survey	20	X	7	=	140	+	0	=	140	+	2	=	70*
		X	7	=		+		=		+		=	
		X	7	=		+		=		+		=	
		X	7	=		+		=		+		=	

* Maximum amount of credits requested per claim is 40 days (see first page of report of work).

FALCONBRIDGE LIMITED
Suite 100 - 3074 Portage Ave.
Winnipeg, Manitoba, R3K 0Y2
Telex 07-57251 Telephone 204/888-9860

January 15, 1986

Mining Recorder
Patricia Division
P.O. Box 669
Court House
Sioux Lookout, Ontario
P0V 2T0

Dear Sir:

Please find enclosed in the following report the necessary material for analytical expenditure credits (Mining Act, Section 77-19) incurred from soil samples collected for a soil survey from our Salkeld Property in the Squaw Lake Area G1340. The work was performed on claims Pa 816312 and Pa 816313. The samples were analysed for gold at X-Ray Assay Laboratories Limited of 1885 Leslie Street, Don Mills, Ontario.

Accompanying this letter are maps with soil sample locations and gold values, a copy of the submitted report of work, and copies of the laboratory reports and invoices.

The breakdown of the analytical charges are as follows:

Report Number	Invoice Number	$
24897	29198	518.30
25349	29588	671.60
25592	29916	416.10
	total	1,606.00

A total of 107 days credits is being claimed from the above expenditures.

I trust you will find everything in order.

Sincerely yours,

FALCONBRIDGE LIMITED

J.L. DaCosta
Geologist

JLD/lb

Enclosures

cc: T. Masciotra

PATRICIA MINING DIV.
RECEIVED
JAN 16 1986
A.M. P.M.

FOR ADDITIONAL INFORMATION SEE MAPS:

52J/02SE-0080 #1-3

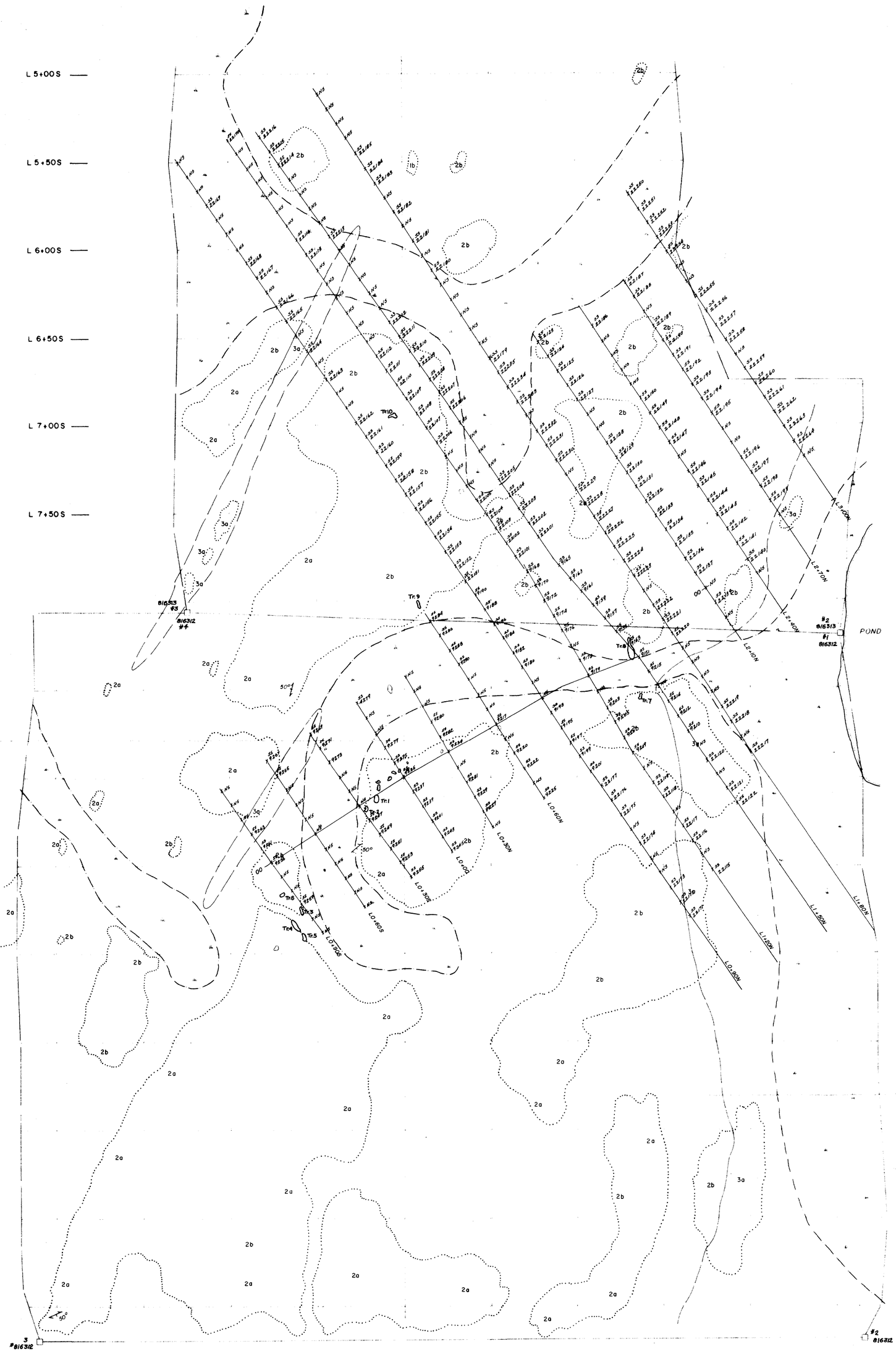
52J/02SE-0080, #1

— GEOLOGY LEGEND —

- 1a MAFIC VOLCANICS
- 2 DIORITE
- 2a PORPHYRITIC
- 2b MASSIVE
- 3a QUARTZ-FELDSPAR PORPHYRY

— SYMBOLS —

- POND
- CEDAR SWAMP
- CLAIM BOUNDARIES
- CLAIM POST
- PIT
- TRENCH (Tr.1)
- FOLIATION (85°)
- OUTCROP
- LITHOLOGIC CONTACT



— GEOLOGY LEGEND —

- 1a MAFIC VOLCANICS
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- 2a PORPHYRITIC
- 2b MASSIVE
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— SYMBOLS —

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- CEDAR SWAMP
- CLAIM BOUNDARIES
- CLAIM POST
- PIT
- TRENCH (Tr.1)
- FOLIATION (85°)
- OUTCROP
- LITHOLOGIC CONTACT

SS 9255 — SOIL SAMPLE LOCATION/NUMBER

NS — NOT SAMPLED

2.9716

SHEET B — PN 522

FALCONBRIDGE LIMITED

SALKELD PROPERTY

GEOLOGY

SOIL SAMPLE LOCATION PLAN

0 20 40 60 80 100m

1:1000

DATE JULY 24, 1986 — DRAWN VCH

NTS REF 52J/2 — DWG. #1.0

52J02SE0670 2.9716 SOMAY LAKE

200

52J/02SE-0080, #1

52J/02SE-0080,#2

— GEOLOGY LEGEND —

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- 2 DIORITE
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- CLAIM POST
- PIT
- Tr.1 TRENCH
- 85° FOLIATION
- OUTCROP
- LITHOLOGIC CONTACT

N

L 5+00S
L 5+50S
L 6+00S
L 6+50S
L 7+00S
L 7+50S
L 8+00S
L 8+50S
L 9+00S
L 9+50S
L10+00S
L10+50S
L11+00S
L11+50S
L12+00S

L2+00W L1+50W L1+00W L0+50W 0+00BL L0+50E L1+00E L1+50E L2+00E L2+50E

3 x Au(ppb) VALUE

POND

#2 816313 / #1 816312

#3 #816312

#2 #816312

— GEOLOGY LEGEND —

- 1a MAFIC VOLCANICS
- 2 DIORITE
- 2a PORPHYRITIC
- 2b MASSIVE
- 3a QUARTZ-FELDSPAR PORPHYRY

— SYMBOLS —

- POND
- CEDAR SWAMP
- CLAIM BOUNDARIES
- CLAIM POST
- PIT
- TRENCH
- FOLIATION
- OUTCROP
- LITHOLOGIC CONTACT

2.9716

SHEET B PN 522

FALCONBRIDGE LIMITED

SALKELD PROPERTY

GEOLOGY

GEOCHEMISTRY

0 50 100 150 200 250 300

1" = 100'

DATE JULY 24, 1986

DWG REF 86-A-13

REVISED: Nov 11/86

JAN 16 1987

52J/02SE-0080,#2 Dec Jan 15/87

52J02SE0070 2.9716 SQUAW LAKE

210

52J/02SE-0080, #3

3x Au(ppb) VALUE

A (43x) 31 - 100 ppb Slightly Anomalous

B (340x) 101 - 450 ppb Anomalous

C (2000x) > 450 ppb Strongly Anomalous

N

— GEOLOGY LEGEND —

1a MAFIC VOLCANICS

2 DIORITE

2a PORPHYRITIC

2b MASSIVE

3a QUARTZ-FELDSPAR PORPHYRY

— SYMBOLS —

POND

CEDAR SWAMP

CLAIM BOUNDARIES

CLAIM POST

PIT

Tr.1 TRENCH

85° FOLIATION

OUTCROP

LITHOLOGIC CONTACT

ICE DIRECTION TAKEN FROM OGS MAP 2420

16

L 5+00S

L 5+50S

L 6+00S

L 6+50S

L 7+00S

L 7+50S

L 8+00S

L 8+50S

L 9+00S

L 9+50S

L 10+00S

L 10+50S

L 11+00S

L 11+50S

L 12+00S

L 2+00W

L 1+50W

L 1+00W

L 0+50W

L 0+00BL

L 0+50E

L 1+00E

L 1+50E

L 2+00E

L 2+50E

L 3+00N

L 2+70N

L 2+40N

L 2+10N

L 1+80N

L 1+50N

L 1+20N

L 0+90N

L 0+60N

L 0+30N

L 0+00

L 0+30S

L 0+60S

L 0+90S

A

B

C

Tr.1 Tr.2 Tr.3 Tr.4 Tr.5 Tr.6 Tr.7 Tr.8 Tr.9 Tr.10

#3 B16313

#4 B16312

#2 B16313

#1 B16312

3 #B16312

#2 B16312

— GEOLOGY LEGEND —

1a MAFIC VOLCANICS

2 DIORITE

2a PORPHYRITIC

2b MASSIVE

3a QUARTZ-FELDSPAR PORPHYRY

3x Au(ppb) VALUE

A (43x) 31 - 100 ppb Slightly Anomalous

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C (2000x) > 450 ppb Strongly Anomalous

— SYMBOLS —

POND

CEDAR SWAMP

CLAIM BOUNDARIES

CLAIM POST

PIT

Tr.1 TRENCH

85° FOLIATION

OUTCROP

LITHOLOGIC CONTACT

ICE DIRECTION TAKEN FROM OGS MAP 2420

2.9716

SHEET B PN 522

FALCONBRIDGE LIMITED

SALKELD PROPERTY

GEOLOGY

GEOCHEMISTRY

0 20 40 60 80 100M

1:1000

DATE JULY 24, 1986 DRAWN VCH

NTS REF 52J/2 DATA JLD

REVISED: Nov 17/86

52J02SE0678 2.9716 SCUAW LAKE

220

52J/02SE-0080, #3