REPORT ON THE 1992 EXPLORATION PROGRAMME ON THE CREE LAKE GOLD PROPERTY of CREE LAKE RESOURCES CORP SWAYZE AND CUNNINGHAM TOWNSHIPS PORCUPINE MINING DIVISION, ONTARIO

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SUMMARY

Cree Lake Resources Corp has completed an exploration program on its 100 claim gold property in the Cree Lake area of the Swayze greenstone belt of northeastern Ontario. The work consisted of mapping, prospecting, overburden geochemistry, mechanized stripping, trenching and sampling and was conducted between September 14, 1992 and November 4, 1992.

From previous exploration, gold has been reported to occur in interflow chemical sediments, in carbonate-sericite shear zones and in the contact aureole of a felsic intrusive body. These settings are atypical of the Swayze, which is noted for its narrow, high grade quartz vein-type gold occurrences which generally have limited tonnage potential. The styles of gold occurrences on the Cree Lake property, however, are similar to more substantial gold deposits elsewhere in the Superior Province, and the property may have potential for larger tonnage deposits similar to other Superior gold deposits.

The discovery of a chert-pyrite iron formation boulder which reportedly returned 0.878 oz gold per ton over a 10 ft sample led to renewed interest in the property during the mid-1980's. The bedrock source for the boulder has never been definitively located. Previous work on the property includes some twenty-two diamond drill holes, ground magnetic, HLEM, IP, VLF and SP geophysical surveys, prospecting and mapping.

The property is underlain by intermediate to mafic volcanic units with some ultramafic members. Extensive volcanic fragmentals outcrop in the north-central portion of the grid area. All units strike generally WSW to ESE, are continuous and dip steeply to the north. Stratigraphic tops appear to be to the north. Lying conformably within the volcanic package are a number of strike-extensive chemical and clastic sedimentary units with variable chert, magnetite, pyrite and graphite components. Felsic volcaniclastic units are variably interbedded with the sediments. Three main sedimentary - felsic volcanic sequences have been recognized on the property.

Associated with these chemical and clastic sedimentary and felsic volcanic units are extensive zones of shearing and alteration. At least some of these rocks are sheared felsic tuffs. Considerable green carbonate alteration may be present in these schists. The entire sedimentary-felsic volcanic-alteration zone assemblage has a thickness of approximately 2000 ft in the area of L0.

At least two, and possibly three, dioritic to gabbroic intrusive bodies have been identified on the property. These units are also conformable, fine to medium grained, of variable thickness and are generally continuous across the property. These sill-like intrusives give rise to airborne and ground magnetic highs which may be variably overshadowed by proximity to magnetite-bearing iron formation.

A stock or plug of granitic to quartz monzonitic composition intrudes volcanics in the south-central portion of the grid. This stock is clearly a multiphase intrusion, with phases ranging from quartz-eye porphyries to quartz-feldspar porphyries to equigranular granite to quartz diorite. A second such stock is indicated by government geological mapping to be present to the west, beyond the area covered by the present line grid. Magnetic results suggest that this body may be much larger than presently thought.

The property is bounded on the east and west by NNW-striking regional faults. A regional east-west structure (Cree Lake Fault) may exist beneath Cree Lake and, if so, transects the northern part of the claim group.

The extensive areas of high strain and intense carbonate alteration observed on the present property are characteristic features of a major regional structure with which large gold deposits in the Abitibi are in turn associated.

Variable amounts of gold have been reported in a number of lithologic and structural settings on the property including:

(a) gold in chemical sedimentary units including graphite-chert-pyrite iron formation, chert-pyrite iron formation and black chert iron formation (e.g. surface "discovery" boulder at line 0, 7S and black chert iron formation in hole 18);

(b) gold in zones of intense shearing and green carbonate alteration often spatially associated with iron formations (e.g. pyritic quartz-sericite-carbonate schist (hole 03, 04);

(c) gold associated with quartz veining and minor pyrite in the alteration aureole of a felsic intrusive body (e.g. hornfels in hole 12)

The current work programme consisted of approximately 1100 feet of stripping and trenching over 14 target areas, selected soil geochemical sampling over 10 line miles resulting in the collection of 801 samples and along-strike prospecting over much of the 4 mile extent of the property. The new, previously unmapped west portion of the grid area was mapped in its entirety. Also, extensive checking and re-mapping on the previously existing grid was carried out. This lead to the recognition that some of the units previously mapped as mafic flows are, in fact, intrusive bodies.

Five areas of significance, and requiring further exploration, were uncovered during the present work programme:

(a) Felsic intrusive contact area: Previous diamond drill hole CL-85-12 was stopped in gold-bearing hornfelsic material (600 ppb Au over 20 ft including 1200 ppb over 5 ft) at the contact of the large granitic body in the south-central portion of the grid. A magnetic anomaly extends for some 4000 ft along the contact area. The highest order 1992 soil geochemical gold anomaly is present in this contact area centred some 800 feet east of the drill hole intersection. The anomaly extends across two lines and is open to the east.

(b) Quartz stockwork zone in granitic body (L8E, 21+00S area): Here, stripping exposed an extensive quartz stockwork with minor sulphide mineralization in strongly hematized granitic to monzonitic material. This occurs some 400 ft south of (a) and, even though actual bedrock gold values were uniformly low, the discovery of this zone suggests that these granitic bodies may have considerable potential for a Silidor-type deposit, ie auriferous quartz-sulphide zones associated with hematitic alteration in late brittle fractures.

(c) An extensive zone of carbonate alteration exposed at L84W, 15+00S and which continues to the southwest, off of the cut grid. This zone has extensive historical workings in the form of across-strike and strike-parallel trenches, although no details of this work could be located. Gold values in the carbonate alteration material are low but the potential of surrounding and adjacent rocks and structures has only been superficially tested.

(d) Central grid area: The area in the vicinity of the original "discovery" boulder was extensively stripped. Sulphide iron formation float in overburden extracted during trenching returned assays as high as 0.077 oz gold per ton. Bedrock samples of a pyritic iron formation, identical to the boulder, uncovered during trenching returned up to 0.064 oz gold per ton. This iron formation contains varying amounts of molybdenite, galena, chalcopyrite, blackjack and honey sphalerite and up to 75% pyrite. The iron formation thins to the east but is open to the west. The discovery of late molybdenite-bearing fractures in the iron formation was deemed to be particularly significant as this mineral is a key gold associate in other Swayze gold deposits and showings, most notably at the old Jerome Mine.

The "discovery" boulder could not have been derived from the underlying sulphide iron formation considering overburden thicknesses and glacial relationships in the immediate area. Several identical sulphide units are indicated by previous drilling to be present in the up-ice direction however and the original 0.878 oz gold per ton value, if real, reflects an as yet undiscovered gold zone in one of these buried interflow chemical sedimentary zones.

(e) Eastern iron formation: Previous diamond drill hole CL-87-18 returned 0.052 oz gold per ton over 12.5 ft at the upper contact of iron formation and overlying chloritic tuffs. Extensive stripping on L64E, 66+00E and L68E exposed parts of the iron formation. No significant values were returned from the exposed areas, however the trenching failed to uncover the critical north contact zone due to water table height, soil conditions and fissility of the rock. Interestingly, a sample from ferricrete capping material overlying the contact returned about 1 g/t (0.03 oz/t) gold. CL-87-18 is the only drillhole in the mineralized upper contact of the iron formation, a feature which is geophysically indicated to extend for some 4000 ft.

Given the lithologies and alteration, structural setting, continuity, proximity to large felsic stocks and the other exploration results to date, there is concluded to be potential for the discovery of an economic gold deposit on the property. Further work is recommended in the above priority target areas with the work to consist of detailed IP surveying in the area of targets a) and b) (and probably c) and 6500 feet $\pm$ of diamond drilling in 13 holes to test targets already defined on the property with an allowance for targets in the new geophysical survey areas.

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1.0 INTRODUCTION

Located in the Swayze gold area of northern Ontario, the Cree Lake property contains chemically anomalous to sub-ore grade gold values in a number of lithologic settings including:

(a) gold in a variety of interflow chemical sedimentary units including sulphide iron formation, chert-graphite units and brecciated cherty iron formation;

(b) gold in strongly foliated carbonate-sericite-chlorite schists with associated green carbonate alteration; and

(c) gold in pyritic, metasomatized volcanics containing fine quartz veinlets at a felsic intrusive contact.

None of the above represents the narrow erratic quartz vein style of mineralization so typical of the Swayze but for which the economic potential is generally quite limited. It has long been felt by a number of workers that the Swayze has potential for other than the narrow quartz vein type of deposit. The above mineralization styles are typical of some of the major gold mines of the Abitibi greenstone belt including those of the Porcupine, Joutel and Bourlamaque Batholith areas. Previous work on the Cree Lake property suggested that it has definite possibilities for a more substantial type of gold deposit, similar to the foregoing, and it was on this basis that the property was originally acquired.

Cree Lake Resources Corp commissioned MPH Consulting Limited to carry out a program of prospecting, mapping, geochemical surveying and mechanized stripping and trenching to follow up previous geophysical surveys and prospecting activities.

This work was completed in the period from mid-September, 1992 through early November, 1992. The results of this program are presented in the context of the geology and exploration potential of, and the previous work and gold mineralization on, the Cree Lake property and the Swayze greenstone belt. Recommendations are presented for on-going exploration of the claims.

2.0 LOCATION, ACCESS AND INFRASTRUCTURE

The property is located in southern Swayze township and the north part of adjacent Cunningham township, District of Sudbury, Ontario at latitude 47° 46'N, longitude 82° 40'W per Figure 1.

The claim group is approximately 84 miles (140 km) southwest of Timmins, 36 miles (60 km) east of Chapleau and 114 miles (190 km) north of Sudbury, Ontario.

A forest access road, the Dore Road, leaves highway 101 at a point 10 km east of Foleyet, Ontario and heads in a southerly direction. At a point 63 km south of highway 101, the old Sultan-Kenty Mine road turns off to the west and leads a further 3 km south to the Cree Lake property.

The Kenty road transects the central portion of the property in a north-south direction thereby providing convenient access to the claims. The previous operators established a series of drill roads leading from the Kenty road, thus providing easy access to the central and eastern extremities of the property.

Float-equipped aircraft can land on Cree Lake, which adjoins to the north and partially covers the claim block.

The property is approximately equidistant from Marathon/Manitouwadge/Wawa, Timmins and Sudbury. There is a large and relatively stable work force in the region from which to draw miners for any new mining operation.

The CPR main line passes through the small railhead of Sultan, approximately 20 km southwest of the property. E.B. Eddy Forest Products maintains a large camp at Ramsay, approximately 65 km by road to the southeast, also on the CPR line.

Abundant fresh water is available on the property from Cree and Ransom Lakes or the Wakami River. The nearest hydro-electric power is at Sultan. There is also an old telegraph line and right-of-way which extends from Sultan to the forestry tower in the north portion of Cunningham Township.

SCALE : MILES
0 5 10 15 20

ALGOMA DISTRICT

COCHRANE DISTRICT

SUDBURY DISTRICT

TIMISKAMING DISTRICT

CANADIAN

NATIONAL

ROAD

PACIFIC

RAILWAY

DORE

RWY

655

144

101

560

129

TIMMINS

Kenogamissi

Lake

Foleyet

Nemegosenda Lake

Horwood Lake

Mattagami

Lake

Rush Lake

Rice Lake

Kormak

Sultan

Wakami Lake

Ramsey

Shiningtree

PROPERTY

LOCATION MAP

SCALE : MILES
0 100 300
200 400

QUEBEC

ONTARIO

Timmins

Norando

Wawa

Sudbury

Montreal

Ottawa

Toronto

U.S.A.

CREE

LAKE

DENYES TWP.

								779980	779989
								779981	779988
779956	779961	779962	779967	779968	779973	779974	779979	779982	779987
779957	779960	779963	779966	779969	779972	779975	779978	779983	779986
779958	779959	779964	779965	779970	779971	779976	779977	779984	779985

Area of Grid Coverage

WAKAMI RIVER

GREENLAW TWP.

SWAYZE TWP.

DORE ROAD

Forest Access Road

9°W

CAMP

779980	779989	779990	740046	740058	740059	740072	740073	740084	740085	740094	740095
779981	779988	799006	740047	740057	740060	740071	740074	740083	740086	740093	
9974 779979	779982	779987	799007	740048	740056	740061	740070	740075	740082	740087	740092	740097	799002	799003
9975 779978	779983	779986	799008	740049	740055	740062	740069	740076	740081	740088	740091	740098	799001	799004
9976 779977	779984	779985	799009	740050	740054	740063	740068	740077	740080	740089	740090	740099	740100	814 (P) 5960
ge			799010	740051	740053	740064	740067	740078	799011	799012				
					740052	740065	740066	740079						

Road

Kenty

RANSOM LAKE

YARWOOD LAKE

DORE TWP.

RIVER

CUNNINGHAM TWP.

0 1320 2640 3960 5280

SCALE : FEET

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

PROPERTY MAP

Project No: C-1325	By: MPH Consulting
Scale:	Drawn:
Drawing No: Fig. 1	Date: December, 1990

MPH Consulting Limited

3.0 TOPOGRAPHY, VEGETATION AND CLIMATE

The property is covered with a thin but extensive layer of till, which in turn is covered by swamp in the low-lying areas. Cree Lake bounds the property on the north, Ransom Lake on the southeast, and the Wakami River transects the claim block towards the eastern boundary.

Second growth jackpine, spruce and poplar are present on the higher ground with alders and cedars in the swampy areas. Swamps and ridges generally trend east-west reflective of underlying structural and lithologic trends.

The climate is typical for this latitude with an average temperature range from +30°C in summer to -40°C in the winter. Freeze-up is in November with break-up in April.

4.0 PROPERTY AND LEGAL

The Cree Lake property is within the Porcupine Mining Division of Ontario. It is a relatively large property consisting of 100 contiguous unpatented mining claims as follows:

Claim No	Township	Expiry Date
P 740046-050 incl	Swayze	April 4, 1996
P 740051-053 incl	Cunningham	April 4, 1996
P 740054-063 incl	Swayze	April 4, 1996
P 740064-067 incl	Cunningham	April 4, 1996
P 740068-077 incl	Swayze	April 4, 1996
P 740078-095 incl	Swayze	April 4, 1996
P 740097-100 incl	Swayze	April 4, 1996
P 779956-990 incl	Swayze	April 4, 1996
P 799001-004 incl	Swayze	April 4, 1996
P 799006-009 incl	Swayze	April 4, 1996
P 799010-012 incl	Cunningham	April 4, 1996

The entire property was recorded on April 04, 1984. The property encompasses 1570 hectares.

Credits with respect to the current work may be banked against a specific claim and applied against future assessment work requirements for that claim or other contiguous claims, for up to a maximum of five assessment years at a time. Upon approval of the current application for assessment credit filed as a result of this work, the expiry date will be April 4, 1998, with enough banked work to potentially keep all the claims in good standing until at least April, 2000.

If desired, the company can at any time take some or all of the claims to lease by carrying out the required legal survey. In Ontario, leases are presently granted on mining claims for an initial 21 year term. This is renewable in perpetuity. Where both surface and mining rights are leased, a payment to the Crown of $5.00 per hectare for each year is required. For mining rights only the required payments are $3.00 per hectare for each year.

Cree Lake Resources Corp purchased the present property outright in 1990 for $5000, subject only to the reservation of a 2% net smelter royalty to Quinterra Resources Inc. of Vancouver.

5.0 HISTORY AND PREVIOUS WORK

The Cree Lake property was the subject of considerable exploration for gold during the flow-through heyday of 1984-87. This work was carried out by Quinterra Resources Inc and associated company Golden Rim Resources Inc. Failure on the part of Golden Rim Resources to meet minimum exploration expenditure levels resulted in sole interest in these claims reverting to Quinterra Resources Inc.

The most intensive exploration and development for gold in the immediate area took place at the Kenty property in northeastern Swayze township in the 1930's. The Kenty deposit consists of a series of parallel quartz-carbonate veins in altered mafic volcanics and feldspar porphyry (Gorden, 1979; personal observation). The veins average 4 to 5 ft in width but may be up to 10 feet. Each consists of a main quartz leader with subsidiary parallel veinlets on either side. Basaltic wall rock is heavily bleached and silicified. Coarse visible gold occurs in fractures in the vein quartz. Pyrite along with minor galena, chalcopyrite, sphalerite, specularite and graphite are also present, generally becoming more pronounced in wall rock and wall rock fragments incorporated into the veins. Channel sampling on surface by Kenty Gold Mines indicated that the oreshoot in the No 1 vein averaged 6.3 ft in width and 50 ft in length with an average of 0.39 oz gold per ton. The No 2 oreshoot, located east of the first, measured 3.7 ft in width by 72 ft in length and averaged 0.67 oz gold per ton. Two vertical shafts were sunk in 1931-34, that on the No 1 vein to 510 ft and that on the No 2 vein to 534 ft. A total of 6,750 ft of lateral development was carried out for the two shafts. Possible reserves of undetermined grade were reported by the Financial Post Survey of Mines (1948, p.14) as follows:

No 1	Shaft Area	69,000 tons
No 2	Shaft Area	290,000 tons
		359,000 tons

In 1948, Erndale Mines Limited, installed a 100 ton per day mill and hoisted 1250 tons of ore of unknown grade from the No 1 shaft.

There has never been any additional production from the deposit. Erana Mines, however, has recently installed a small test mill on the site and is attempting to extract a number of bulk samples from surface trenches.

Gold is also present on the Buffalo Canadian Gold Mines Limited property at the northeast end of Cree Lake, directly north of the present property. There are two known historic gold occurrences on the property - that on the north side of the easterly point at waters edge on the small island on Cree Lake on present claims 1112778-79 (old claim 116850) and a second showing on the mainland some 3500 feet east of the above. This "mainland" showing is located along the west part of the common boundary between present claims 1112773 and 74.

A grab sample indicated to be from the vein at the island showing collected by D.C. McKechnie, P.Eng. in 1961, and which probably represented a width of from three to six inches, returned a value of 4.61 oz gold per ton (Assessment File T-2192, Dept. of Northern Development and Mines, Timmins, Ont.). The vein material consisted of quartz with pyrite and chalcopyrite with the vein itself indicated to be relatively short and narrow.

Grab samples from the mainland showing, also taken by D.C. McKechnie in 1961, showed the following gold assays:

Sample No.	Oz Gold Per Ton
1. Narrow vein in pit-quartz with rusty material	1.36
2. Narrow vein in pit-quartz with pyrite	7.27
3. Rock inclusion in narrow adjoining vein with galena and pyrite	4.08
4. Waste in middle of vein	0.025

Both showing areas were then subjected to considerable drilling by Flint Rock Mines Limited in 1962-63. There were 34 holes drilled on the property. Twenty-five of these, ranging from 28 to 379 feet in length, were drilled on the mainland showing on old claims 116847 and 848. Nine holes were drilled on the island showing on claim 116850, ranging from 85 to 160 feet in length.

The holes on the mainland showing were along a 400 feet vein structure which had been indicated by trenching by previous operators. Assays of 12-18 inch wide, high grade sections in the drill cores reportedly showed gold values ranging from 0.40-20.7 oz per ton and silver values ranging from 0.32-4.54 oz per ton (Donovon, 1968, p33).

The mainland showing is located on the north side of a low hill. The central portion of the westerly trench exposes a narrow quartz vein zone in a shear within mafic volcanics. The quartz is mineralized with pyrite and subordinate fine-grained galena and chalcopyrite. The most intense shearing and quartz-sulphide mineralization has a width of 12-14 inches with the best mineralization concentrated in a 3-4 inch band along the south edge of the vein zone. The mafic volcanics within the shear have been variably sericitized and carbonatized.

The vein zone strikes at 065°, dips steeply at surface and is exposed along a length of 75 to 100 ft.

A single, double-fist size sample of the best-looking vein material collected by W.E. Brereton, P.Eng. of MPH Consulting in August of 1990 assayed 3.54 oz gold per ton attesting to the high grade nature of the quartz-sulphide vein interval.

Another occurrence of gold in quartz veins is reported immediately south of the subject property on Allen Lake in Cunningham township. A shaft was sunk on this property in 1934 to a depth of 150 feet and a limited amount of lateral work was done. Apparently, little or no ore was found.

This is now known as the Swayze-Huycke prospect and is a re-staking of an old property of Olive Gold Mines Limited and is described in Ontario Department of Mines Report, 1942, part 7, page 22, from which the following is taken:

> "In September 1934, the vertical, two compartment shaft had reached a depth of 150 feet, with a level at 125 feet. About 31 feet of drifting and 100 feet of cross-cutting had been carried out on this level."

No detailed reports on the results of this work have been located, but it is assumed that the results were negative. Any showings that existed near the shaft have been covered, or otherwise hidden, by flooding to the east of the shaft. The head frame has now collapsed. A few shallow pits are present on the east side of an island about 1,700 feet south of the shaft that are now filled with water. At the north end of the above property, just to the west of Allen Creek, outcrops and a few shallow pits show the presence of a low grade iron formation. On the west side of the lake, the rocks are Timiskaming-type greywackes and quartzites. On the east side the rocks are "Keewatin-type" andesites. The Allen Lake fault bisects the lake in a north-south direction.

The present Cree Lake property was covered by various airborne surveys flown during the 1960's and 1970's in the search for base metals. Numerous trenches discovered on the western parts of the property attest to a concentrated exploration effort having taken place prior to the acquisition of the ground by Quinterra Resources Inc. in 1984. Unfortunately, the only recorded work consists of two drillholes totalling 1133 ft completed by INCO in 1966. These holes, numbers 31925 and 31926A, were drilled in the northwest portion of present claim 779968 and northeast portion of claim 779973 respectively. Both holes were sited on electromagnetic targets. Iron formation and graphite schist were intersected in both cases. No assays were reported.

The area was geologically mapped by Furse (1932), Rickaby (1934), Meen (1942), and more recently by Donovan (1968) and Siragusa (1980) of the Ontario Department of Mines. The area was also covered by an airborne INPUT electromagnetic survey and a magnetometer survey carried out by the Ontario Ministry of Natural Resources in late 1980 and early 1981. Of particular interest, this airborne surveying disclosed a major EM-conductive trend with local magnetic coincidences extending for some 7.5 km in an east-west direction along the central and north portions of the subject property.

The work carried out by Quinterra Resources and Golden Rim Resources is summarized as follows:

1984: Preliminary geological mapping and prospecting was carried out in the fall of 1984 (Winter, 1985). A number of samples were collected for analysis in the course of this work.

In the central part of the property, a chip sample of sulphide facies iron formation yielded an assay of 0.878 oz gold per ton over 10.0 feet. This sulphide material is located on line 0+00 at 7+00S and is now known to represent two or more large pieces of glacial float firmly lodged in overburden. A second sample taken 75 m to the east assayed 0.503 oz gold per ton. Two samples taken from the pyritic, quartz sericite schist to the north assayed 0.137 and 0.027 oz gold per ton. A check assay on the 0.137 oz gold per ton value yielded only 0.008 oz gold per ton. Other samples collected from this horizon assayed up to 195 ppb gold. Approximately 400 m to the north, a sample of a felsic metavolcanic gave 333 ppb gold.

In October of 1984 the property was flown with a combined VLF-EM and magnetic survey by Terraquest Limited (Watson, 1985).

1985: A ground exploration program consisting of linecutting (40 miles), magnetic, VLF-EM and self potential surveying, and detailed geological mapping was carried out in the fall of 1985 (Winter, 1986A). This work covered the eastern portions of the property, such that the west portion of the property saw no exploration at all. The airborne EM trends of interest continued to the west and the east of the Quinterra grid.

In detail, the ground geophysical surveying did not cover the entire grid. The self potential (SP) work covered 20.5 miles between lines 72E to 108W. Ten miles of magnetic and VLF-EM surveying was carried out over the central portion of the grid from 16W to 40E.

The SP results on the Cree Lake property are indicated by Quinterra to be divided into two domains by the baseline. South of the baseline, the self potential contours show large, broad, generally irregularly shaped areas of positive or negative potentials. North of the baseline are 20 strongly negative, linear to arcuate anomalies which generally parallel the volcanic stratigraphy.

The magnetometer survey over the central part of the grid showed an east-west trend with general background values of about 58800 nT. Superimposed on this overall pattern are linear east-west anomalies with values of 1500-2000 nT above the general background although peak values reach 5000-7000 nT above background. Magnetic depressions of a few hundred nT parallel the magnetic ridges. The southeastern corner of the surveyed area shows northeasterly trends.

The Radem dip angle survey indicated 8 generally east-west striking conductors parallel to the volcanic stratigraphy and coincident with the SP anomalies.

1985/1986:

Fourteen diamond drill holes totalling 7,010 feet were completed between November 22, 1985 and January 23, 1986 (Winter, 1986B) by Longyear Canada to test geophysical targets. A summary of the drilling effort is given in Table 1.

Twenty three miles of induced polarization/resistivity surveys were then carried out between lines 28W to 72W in the late fall of 1986, by Rideau Geophysics Limited. The surveying was carried out with a pole-dipole array using a 100 foot dipole size and reading n=1, 2. One of the primary target areas was the weakly pyritic, gold-bearing intrusive contact zone intersected by hole CL-85-12. A number of IP and resistivity anomalies were located by the surveying, these generally coincident with the known VLF/SP anomalies. No IP/resistivity anomalies were located in the area of hole CL-85-12.

1987: A 2,962 foot diamond drilling program was carried out on the property between March and April of 1987 (Dubeau, 1987) to test geophysical targets located by the earlier work (per Table 1).

In August of 1987, a small program was carried out by Quinterra Resources consisting of magnetic and VLF surveying on lines 44E to 64E, overburden stripping in the area of hole CL-87-18 and further prospecting (Laderoute, 1987). This program was plagued by equipment failures such that only about 50% of the planned stripping was completed. The stripping was not successful in exposing the gold-bearing iron formation intersected in hole 18. None of the planned magnetic (and VLF-EM) surveying in the west portion of the grid was carried out. This program did not yield any results of interest in either a positive or negative sense.

1990: Cree Lake Resources Corp. purchased the property from Quinterra Resources for $5000, subject to a 2% net smelter return royalty retained by Quinterra.

Cree Lake Resources Corp. commissioned MPH Consulting Limited to refurbish the grid, extend the existing grid and conduct HLEM Max Min II and magnetometer surveys over the entire grid. This work was conducted during November and December 1990.

In detail, the grid was extended to the western limit of the claim block, and 800 feet past the easternmost limit of the existing grid. The existing grid was refurbished, rechained and picketed.

Table I: Summary of Previous Diamond Drilling

Hole	Line	Northing	Length	Angle	Azimuth	Claim	Comments
CL-85-01	L0	4+50S	405	-45	180	740056	No significant intersections
CL-85-02	L4E	2+80S	595	-45	180	740056	115 ppb Au over 3 feet in quartz-carbonate-sericite schist
CL-85-03	L8E	3+50S	555	-45	180	740056	256 ppb Au over 9.5 feet in same zone as CL-85-02 204 ppb Au over 9.5 feet in chert-pyrite-quartz
CL-85-04	L12E	3+30S	525	-45	180	740061	195 ppb Au over 6.6 in chert-pyrite-quartz zone
CL-85-05	L16E	4+75N	535	-45	180	740061	132 ppb Au over 3.5 feet 363 ppb Au over 8.5 feet and 117 ppb Au over 1 foot in chert-graphite-pyrite iron formation
CL-85-06	L12E	1+90N	405	-45	0	740061	130 ppb Au over 2 feet
CL-85-07	L6E	1+20N	575	-45	0	740056	No significant intersections
CL-85-08	L6E	3+50S	595	-45	0	740056	No significant intersections
CL-85-09	L0	5+15S	375	-45	0	740056	No significant intersections
CL-85-10	L8E	15+80N	825	-45	180	740057	183 ppb Au over 37 feet including 440 ppb Au over 5 feet
CL-85-11	L16E	19+50S	385	-45	180	740063	No significant intersections
CL-85-12	L8E	12+50S	455	-45	180	740055	600 ppb Au over 18 feet including 1200 ppb Au over 5 feet
CL-85-13	L16E	3+80S	395	-45	180	740061	180 ppb Au over 4.5 feet
CL-85-14	L12E	11+60N	385	-45	180	740060	608 ppb Au over 31.5 feet including 2000 ppb Au over 3 feet
CL-87-15	L12W	3+80S	475	-45	180	799007	500 ppb Au over 22 feet
CL-87-16	L20E	13+60N	487	-45	180	740060	400 ppb Au over 33 feet including 800 ppb over 5 feet
CL-87-17	L24E	12+50N	495	-45	180	740071	650 ppb Au over 6.5 feet
CL-87-18	L64E	6+00S	535	-45	180	740087	1793 ppb Au over 12.5 feet
CL-87-19	L68E	17+50S	485	-45	180	740088	No significant intersections
CL-87-20	L60E	21+00S	485	-45	180	740080	950 ppb Au over 3.5 feet

The magnetometer survey effectively delineated iron formations and lithological domain boundaries. Stratigraphic sequences were shown to strike dominantly east-west. Three magnetic domains were identified:

i) broad, smoothly varying features associated with felsic intrusives in the southern parts of the surveyed grid

ii) narrow, subparallel, linear, high amplitude, high frequency features associated with mafic to intermediate flows, tuffs, intrusive sills and felsic-sedimentary units which cover the bulk of the central regions of the property

iii) broad, generally featureless domains associated with volcanic fragmentals, agglomerates, tuffs, and possibly flows, in the northern portions of the property.

The Max Min II survey identified 12 conductive horizons, of which five are laterally extensive and formational in nature. These EM conductors frequently have coincident magnetic, IP, VLF or SP associations. The response of the identified conductors varies along strike, reflecting lithological and/or facies changes in the volcano-sedimentary units. Conductivities are locally quite high.

6.0 THE SWAYZE GREENSTONE BELT - GEOLOGY AND MINERALIZATION

The Swayze area, including Swayze township, is one of Ontario's historic gold areas and has seen prospecting activities for a variety of metals. Although there are no precious or base metal producers in the area at the present time, the Swayze has a rich mineral endowment typical of the Abitibi Orogenic Belt. Deposits and/or occurrences of gold, silver, zinc, nickel, copper, lead, iron molybdenum, asbestos, talc, barite and marl are known in the area. Carbonatite-associated rare earths and industrial minerals are present west of the Swayze associated with the Kapuskasing High.

The Swayze can be thought of as an arcuate volcano-sedimentary ("greenstone") belt of Archean age, convex to the west, extending from Sewell township in the northeast, through Swayze township in the central region, to Groves township in the southeast per Figure 2.

The Swayze greenstone belt forms the westernmost extremity of the central Abitibi belt, partially disconnected from it by a series of late north to northwest striking faults and granodiorite/monzonite batholiths.

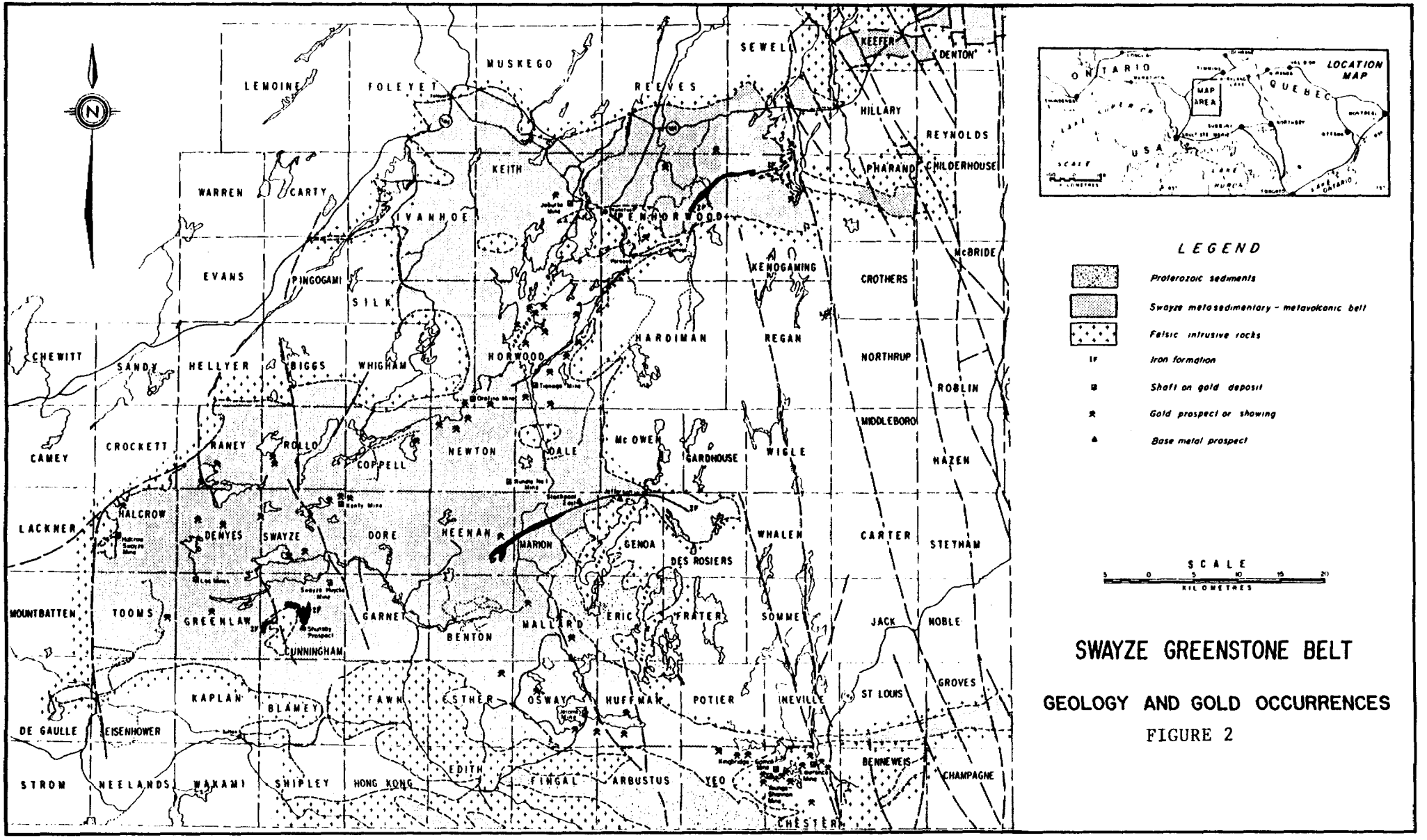
The volcanics consist primarily of mafic rocks which floor some substantial intermediate-felsic eruptive centres. Two such centres are to be found in the Kenogaming-Penhorwood and Swayze township areas.

Clastic and chemical sedimentary rocks, including major banded iron formations, are concordant and intercalated with the volcanics in the southern Swayze belt. In the southeast portion of the Swayze, these sediments are predominately clastic in origin, form regionally extensive sedimentary units, and reflect a high energy phase of deposition in the deep water portion of a basin flanking eruptive centres (Thurston et al., 1977). Where sulphide facies iron formation predominates, low energy deposition within the same basin is assumed.

A variety of synvolcanic to post-volcanic intrusions have invaded the supracrustal rocks. Generally, mafic and ultramafic intrusions predate felsic intrusives (Thurston et al., 1977) but account for a very small proportion of the intrusive rocks overall.

The Swayze belt is truncated to the west by the fault-bounded, north-northeast trending Kapuskasing Structural Zone, which contains high-grade metamorphic rocks and associated carbonatite intrusive complexes. Some of the late north-northwest trending regional faults in the Swayze Belt either are associated with the Kapuskasing Structural zone, or predate it, since very few of these structures transect the boundary between the two provinces.

It has been recognized that the rocks in the north Swayze represent the first major reappearance of greenstones west of the Timmins-Porcupine gold camp, the latter notable for its production of some 57 million ounces of gold to date. It is highly likely that the Swayze belt rocks may be spatially and temporally correlated to the Timmins-Porcupine greenstones.



SWAYZE GREENSTONE BELT

GEOLOGY AND GOLD OCCURRENCES

FIGURE 2

Both the Porcupine-Destor Fault and the Cadillac-Larder Lake Break are inferred to extend as zones of high strain through the north and south portions, respectively, of the Swayze, the former through the Joburke Mine area and the latter through the Jerome Mine area. Also, the Ridout Group sediments in south Swayze may be correlative with the Timiskaming Group sediments in the Virginiatown-Kirkland Lake-Matachewan area. These sediments are intimately associated with zones of high strain and gold deposits in these camps.

The extensive carbonatization associated with features like the Cadillac-Larder Lake Break is also commonly observed along major fault and shear zones in the Swayze suggesting that the same fundamental processes have been operative.

Known gold mineralization in Swayze is typically of the quartz lode variety generally accompanied by shearing, fracturing and associated sulphides and carbonate. Sulphides typically include pyrite along with any or all of pyrrhotite, chalcopyrite, galena and sphalerite. Gold is present in a large variety of lithological and structural settings. Some prominent examples are gold in quartz veins and replacements in diorite (Orofino deposit-Silk Township); in strongly sheared carbonated zones (Tooms-Greenlaw area); in siliceous zones associated with felsic porphyry (Rundle No. 1 deposit-Newton Township); in quartz vein zones in sheared sediments (Halcrow-Swayze deposit-Halcrow Township); near a porphyry contact in sheared sediments (Jerome Mine - Osway Township); in sheared, carbonatized mafic volcanics (Joburke Mine); and in quartz veins in granodiorite-granite (Chester-Yeo area).

Gold is also present in oxide iron formation (Marion Township), in pyritic iron formation associated with extensive shearing and carbonatization (Cree Lake) and in sheared pyritic zones in intermediate volcaniclastics (Kenogaming township).

The gold potential of the Swayze greenstone belt has been recognized since the early 1900's. An early discovery was made at Moore Lake, Yeo township, in 1912 by P. Moore who test-pitted an auriferous quartz-carbonate vein within pyritized, carbonatized metasediments. Gold and copper mineralization in quartz-carbonate veins within sheared granite was investigated in Chester township in 1910. This showing (Lawrence prospect) eventually produced some 16 tons of 7% Cu, 0.15 oz gold per ton in 1916.

Much of the initial exploration focus in the region was directed towards iron deposits. The Woman River iron deposit (Algoma Steel Corp., 1906-07, Heenan and Marion townships) contains reserves of some 5,100,000 long tons of 40% Fe. Additional iron deposits include that at Radio Hill in Keith and Penhorwood townships (158,200,000 long tons at 27% Fe; Kukatush Mining Corp., 1958-65). Iron exploration was also carried out in Cunningham township in the late 1920's.

Barite was discovered by R. Cryderman in Penhorwood township in 1917 with some production reported by Barite Syndicate Explorations in 1923. The deposit is currently held by Extender Minerals Ltd. who reportedly carried out bulk sampling in 1984 prior to a decision to ship material to their Matachewan barite processing facility.

The first major thrust in gold exploration and development occurred in the period 1930-1943, during which time most of the reported gold occurrences were discovered. Aside from the Joburke Mine, most of the gold production in the area was also from this time period.

Sporadic gold exploration occurred again in the mid 1950's and early 1960's with an explosion of activity during the 1980's following an increase in gold prices. Earlier prospecting discoveries culminated in the 1970's and early 1980's with gold production from the Joburke Mine, Keith township (Pamour Porcupine Mines Ltd.), a major evaluation program at the Orofino deposit (Orofino-Northgate Joint Venture), and extensive work on various prospects in the Chester Township area.

Approximately 980,000 tons of gold-silver ore have been mined to date from seven deposits (Joburke, Jerome, Tionaga, Kingbridge-Gomak, Halcrow-Swayze, Young-Shannon, Lawrence). Two of these contained significant copper values (Lawrence, Young-Shannon).

The largest production has been from the Joburke and Jerome Mines. The Joburke Mine yielded 632, 292 tons grading 0.10 oz gold per ton (1973-75, 1971-81), while the Jerome Mine produced some 56,893 oz Au and 15,114 oz Ag from 335,060 tons of ore (1938-1951) averaging 0.71 oz Au and 0.05 oz Ag per ton.

Base metals exploration was a major focus in the Swayze from the mid 1950's to the late 1960's. Lead-zinc mineralization was first discovered in the area in iron formation in Cunningham Township in 1904 by Ridout Mining Co. Later work by Shunsby Mines Ltd. (1957-63) in this same township found a Zn-Cu deposit in which the successor company, MW Resources Ltd., reports reserves of 2,400,000 tons at 2.7% Zn, 0.39% Cu with a higher grade section of 80,000 tons of 6.2% Zn, 3.9% Cu, 1.2 oz Ag per ton, 0.03 oz gold per ton (1981). This property is currently under option to Kirkton Resources Corp. who have completed a major program of geological mapping, geophysical surveying, stripping and trenching over part of the property. Their work has uncovered extensive copper-zinc-lead mineralization stringers in a chert-argillite sequence. Drilling on the property is expected to commence in late 1992.

Work on a copper-nickel deposit in Groves township from 1953 to 1975 resulted in the delineation of some 500,000 tons of reserves grading 1.5-2% combined Cu-Ni (Ontario Nickel Mines Ltd., Nickel Gold Mines Ltd.).

A large portion of the northern part of the belt was evaluated by Canadian-Johns Manville for its asbestos potential from 1951 to 1967. The Reeves Mine in Reeves township reportedly had reserves of 20,000,000 tons of 3 to 3.5% asbestos fibre content (1967). Upon cessation of the asbestos mining activities, a thriving talc mining/milling complex has been established at the site by Steetley Talc Limited.

7.0 CREE LAKE PROPERTY

7.1 Geology and Mineralization

The grid area is underlain by intermediate to mafic volcanic units with some ultramafic members. Extensive volcanic fragmentals outcrop in the north-central portion of the grid area. All units are conformable, strike generally WSW to ESE, are continuous and dip steeply to the north. There is no evidence to suggest any degree of overturning, and stratigraphic tops appear to be to the north.

Lying conformably within the volcanic package are a number of strike-extensive chemical and clastic sedimentary units with variable chert, magnetite, pyrite and graphite components. Felsic volcaniclastic units are variably interbedded with the sediments.

There are three main sedimentary-felsic volcanic units recognized on the property. The southernmost unit is exposed in outcrop across the property, and has been trenched and exposed in the vicinity of L0. It occurs at about 6+50S on L0, and strikes WSW to WNW. A second cherty iron formation is located immediately north of the baseline, but has limited outcrop exposure. This unit has been intersected in drilling, but it has not been exposed or tested on surface. A third chert unit exists to the north, and has been intersected by drilling in the area of 16+00N between L8E and L32E. The central and north cherts and iron formation units have prominent MaxMin II EM expressions, while the southerly unit is defined by magnetic and IP anomalous responses. These sedimentary units would appear to extend across virtually the entire property in an east-west direction, as suggested by the geophysical results.

Associated with these chemical and clastic sedimentary and felsic volcanic units are extensive zones of shearing and alteration which have been mapped by Quinterra on the basis of the alteration assemblages present. At least some of these rocks are sheared felsic tuffs. Considerable green carbonate alteration may be present in these schists. The entire sedimentary - felsic volcanic - alteration zone assemblage has a thickness of approximately 2000 ft in the area of L0.

At least two, and possibly three, dioritic to gabbroic intrusive bodies have been identified on the property. These units are also conformable, fine to medium grained, of variable thickness and generally continuous across the property. These sill-like intrusives of gabbroic to dioritic composition give rise to airborne and ground magnetic highs which may be variably overshadowed by proximity to magnetite-bearing iron formation.

A stock or plug of granitic to quartz monzonitic composition intrudes volcanics in the south-central portion of the grid. This stock is clearly a multiphase intrusion, with phases ranging from quartz-eye porphyries, to quartz-feldspar porphyries, to equigranular granite, to quartz diorite. A second such stock is indicated by government geological mapping to be present to the west, beyond the area covered by the present line grid. Magnetic results suggest that this body may be much larger than presently thought.

The extensive areas of high strain and intense carbonate alteration observed on the present property are characteristic features of a major regional structure with which large gold deposits in the Abitibi are, in turn, associated. Late north-northwest faulting at the east end and off the west end of the claim group appears to offset all rocks units and existing structures.

Where pillows are recognized, tops consistently face north suggesting that the property is on the north limb of a regional anticlinal structure. Trough crossbedding has been reported to exist in bedrock exposed on the east shore of a small pond at L44W/32+00S, and apparently indicates tops to the south. Two traverses through the area were unable to locate this outcrop. If the top directions do indeed reverse, then an anticlinal axis must extend through the southern portion of the property.

The dominant foliation trend in the various rock units on the property is east-west with vertical to subvertical dips. Foliation is parallel to major lithological contacts, possibly reflecting intense transposition of fabric during shearing. Slickensides, where noted, pitch at -35 E to -40 E.

Variable amounts of gold have been reported in a number of lithologic and structural settings on the property including:

a) gold in chemical sedimentary units including graphite-chert-pyrite iron formation, chert-pyrite iron formation and black chert iron formation (e.g. surface "discovery" boulder at line 0, 7S and black chert iron formation in hole 18);

b) gold in zones of intense shearing and green carbonate alteration often spatially associated with iron formations (e.g. pyritic quartz-sericite-carbonate schist (hole 03, 04);

c) gold associated with quartz veining and minor pyrite in the alteration aureole of a felsic intrusive body (e.g. hornfels in hole 12)

Mineralization types (a) and (b) occur within the extensive east-west zone of EM conductivity and magnetic activity which crosses the north-central portion of the property. Judging from the Quinterra drilling, the northernmost EM trend is the most consistently anomalous in gold (eg holes 10, 14, 16, 17). The eastern area about hole 18 appears to represent the merging of the central and south sedimentary-felsic volcanic zones.

7.2 Glacial History of the South Swayze Area

The soils on the Cree Lake property are underlain by extensive glacial deposits. An understanding of the glacial history of the region is important in the interpretation of the soil geochemical results.

At least three till sheets are evident on the Cree Lake property, representing at least two, and possibly three distinct ice advance/retreat cycles.

Glacial gouging and grooving observed on stripped outcrop, notably at L0/4+80S and L68E/7+00S, indicate that the strongest ice advance was to the southwest at ≈200° to 240°. Later advances trended to the southeast at ≈130° to 140° (glacial striae) and ≈175° to 195° (glacial grooving). The exact local relationship between these two advances is tenuous and not completely understood. Regionally, the main direction of ice flow is ≈190° to 200°, but fluctuations in local ice directions may be the result of the development of large esker systems and/or localized glacier margin effects. The later advances were much less severe than the initial advance and served to rework existing tills and moderately erode bedrock. The relative erosive strength of the various advances is a subjective interpretation based on the depth and intensity of glacial gouging of outcrop surfaces.

The property is characterized by extensive till cover which forms fluted till plains, sometimes with drift thicknesses in excess of 5 m. In a number of trenches (L52E, L0 and L2W) rounded blocks, up to 1 ft wide, of Fe-cemented till (ferricrete) are present as clasts within a grey, cobbly to bouldery till with a predominantly sandy matrix. These ferricrete clasts require the presence of a pre-existing till sheet, probably predating the earliest advance recorded by striations.

Overlying the above till(s) is a bouldery ablation till which is typically red-brown and oxidized. Individual boulders may be in excess of 2 m in greatest dimension. Numerous boulder fields in the area represent deposits of bouldery ablation till in which the fine matrix material has been removed by glaciofluvial action, thus leaving areas of bouldery lag. This silt, silty sand and clay has been deposited as pods and blanket-like sheets throughout the area. Individual pods or lenses range from a few meters to several hundred meters in extent. In some cases, this fine material forms clearly defined beds of 1-2 m thickness between lower grey till and overlying reddish ablation till. In other cases, fine material drapes around and over very large glacial boulders.

The bouldery ablation till appears to have a relatively erratic distribution, since the uppermost glacial deposit in many cases is the fine silt material.

Consequently, the oldest ice advance is associated with the ferricrete till boulders, themselves incorporated in the till associated with the predominant SW advance. The final ice advance represents a late Wisconsinian ice transgression which reworked existing tills and deposited prominent south-trending eskers in the region, such as that followed by the Dore Road. A large segment of this final ice sheet appears to have melted essentially in place, forming the ablational bouldery moraine.

8.0 EXPLORATION PROGRAM - 1992

Cree Lake Resources Corp. commissioned MPH Consulting Limited to carry out a program of geochemical soil sampling, prospecting, mapping and mechanized stripping and trenching. This work was carried out from mid-September to early November, 1992.

8.1 Soil Geochemical Sampling

The 1992 soil geochemical program consisted of the collection of 801 overburden samples covering 10.07 line-miles of the grid. A total of 737 samples were analyzed for Au, 547 for As and 490 for Cu. Areas covered by soil sampling are summarized in Table 2. Results are presented on Map 3.

The samples were collected along select lines which crossed specific geophysical anomalies and/or known areas of anomalous gold values in bedrock. Sample spacing was generally 50 feet over critical areas, but expanded to 100 feet over suspected background areas. Peat samples were collected from swampy and low areas, but were not analyzed to prevent the possibility of hydromorphic-organic contamination and the inherent interpretation problems.

Samples were collected with a posthole-type soil auger at depths generally varying from 1 to 3 feet (0.3 - 1 m) depending on local overburden conditions. At least 250 g of material was collected at each site. A brief note was made as to sample type. The sample was placed in kraft bags, dried and sent to Swastika Assay Laboratories in Swastika, Ontario for analysis for Au, As and Cu by atomic absorption methods on the -80 mesh fraction. One assay-ton fusions were used for the gold work.

An orientation survey was conducted over a soil anomaly discovered on L16E to verify sample collection techniques. During this limited survey, humus and "B" horizon material was collected from test pits, and a third sample was collected using a posthole soil auger at depths varying from 1 to 3 feet. By far, the best anomaly contrast is produced by collecting material at depth utilizing the posthole auger (Figure 3). Consequently, no humus or "B" horizon material was collected during the principal geochemical survey, thereby limiting both collection times and analytical costs.

The gold assay checks conducted at Swastika Laboratories confirm that analytical error is approximately 10% (Figure 4). This figure is considered to be satisfactory and the soil analyses may be used with confidence.

8.2 Prospecting and Mapping

The previously unmapped area from L128W to L157W, representing new line grid cut in 1990, was surveyed and mapped. In addition, selected lines in previously mapped areas from L108W and eastward were traversed to verify previous geological mapping efforts.

Table II: Soil Geochemistry Summary

Line			Samples		Elements Anaylzed	Comments
	Start	End	Spacing	Number		
144 W	6+00 N	18+00 S	50 '	37	Au, As, Cu	Au and As background, Cu anomalous
124 W	18+00 N	21+00 S	100'	34	Au	Background Au
100 W	Baseline	8+00 S	50'	15	Au, As	Background
96 W	8+00 S	17+00 S	50', 100'	14	Au, As, Cu	Background, slightly anomalous Cu, As
92 W	1+00 N	3+50 S	50'	10	Au, As	Background
88 W	2+00 N	3+00 S	50 '	11	Au, As	Arsenic anomaly 1+50S to 2+50S
84 W	3+00 N	16+00 S	50', 100'	31	Au, As Au, As, Cu	Arsenic anomaly 1+50S to 2+50S, Au and Cu at background levels
80 W	3+00 N	3+00 S	50'	13	Au, As	Background
72 W	10+00 N	16+00 S	100'	20	Au, As, Cu	Background
60 W	2+00 S	16+00 S	100'	13	Au, As, Cu	Background
52 W	15+00 N	15+00 S	100'	28	Au, As, Cu	Cu, As weakly anomalous 3+00 N to 3+00 S, Au background
20 W	9+00 N	9+00 S	50', 100'	22	Au, As, Cu	Background, two single point Au anomalies at 4+00 N, 8+00 S
12 W	6+00 N	9+00 S	50', 100'	24	Au Au, As, Cu	Background, Minor Cu anomalous values
8 W	4+50 S	9+00 S	50'	10	Au	Background
6 W	4+50 S	8+50 S	50'	9	Au	Background

Table II con't: Soil Geochemistry Summary

Line			Samples		Elements Anaylzed	Comments
	Start	End	Spacing	Number		
4 W	5+00 S	8+50 S	50'	8	Au	Background
2 W	5+00 S	8+00 S	50'	7	Au, Mo	Background
0	16+00 N	32+00 S	100'	42	Au Au, As, Cu	Single Au anomaly at 7+00 S Background Cu, As
2 E	5+00 S	8+00 S	50'	7	Au	Low order Au anomaly between 5+50S and 6+00S
4 E	13+00 S	24+00 S	50', 100'	17	Au, As, Cu	Two single point Au anomalies at 15+00S, 23+00S
8 E	12+00 S	32+00 S	50', 100;	31	Au	Two single point anomalies at 15+00S, 25+00S
12 E	12+00 S	22+00 S	50'	21	Au	Au anomalies at 14+50S, 19+00 S and 21+00S to 22+00S
16 E	12+00 S	25+00 S	50', 100'	24	Au, As, Cu	Highly anomalous Au values between 15+00S and 20+00S
20 E	11+00 S	31+00 S	50', 100'	33	Au	Anomalous values between 19+00S and 24+00S
32 E	28+00 N	8+00 S	50', 100'	39	Au, As, Cu	Anomalous AU, As and Cu between 1+00S and 2+00S
36 E	13+50 S	21+00 S	50'	16	Au, As, Cu	Background
44 E	11+00 N	8+00 S	50', 100'	23	Au, As, Cu	Low order Au Anomaly at 0+50N

Table II con't: Soil Geochemistry Summary

Line			Samples		Elements Anaylzed	Comments
	Start	End	Spacing	Number		
48 E	8+00 S	27+00 S	50', 100'	21	Au, As, Cu	Background
52 E	11+00 N	27+00 S	50', 100'	49	Au, As, Cu	One single point, low order gold anaomaly at 22+50S
60 E	Baseline	10+50 S	50', 100'	18	Au, As, Cu	Single point gold anomaly at 7+00S
64 E	Baseline	30+00 S	50', 100'	29	Au, As, Cu	Single point gold anomaly at 15+00S
68 E	3+50 S	9+50 S	50'	13	Au, As, Cu	Background
72 E	4+50 S	24+00 S	50'	30	Au, As, Cu	Background
80 E	4+00 S	11+50 S	50'	16	Au, As, Cu	Background

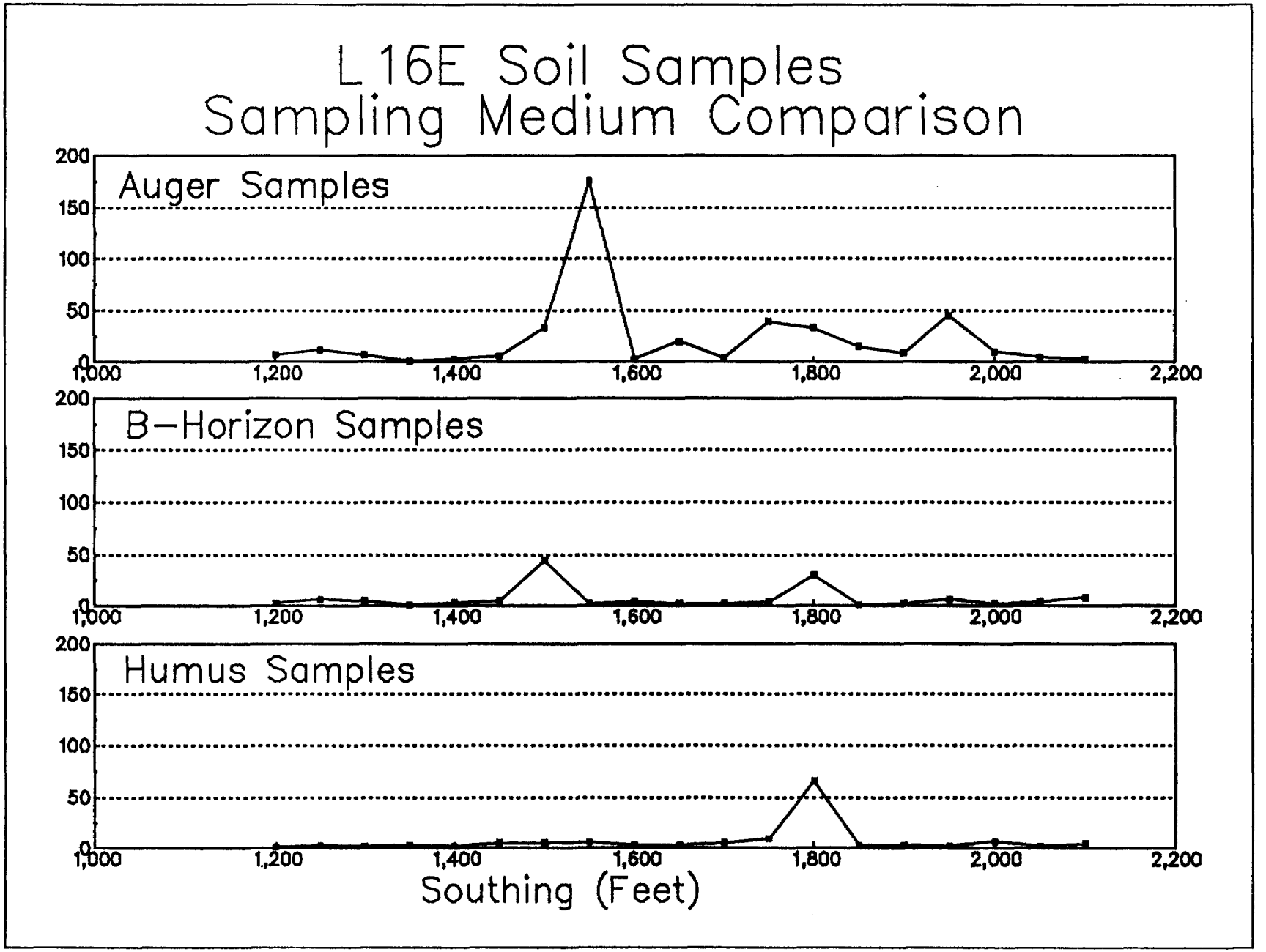


Figure 3: Comparison of Soil Sampling Mediums.

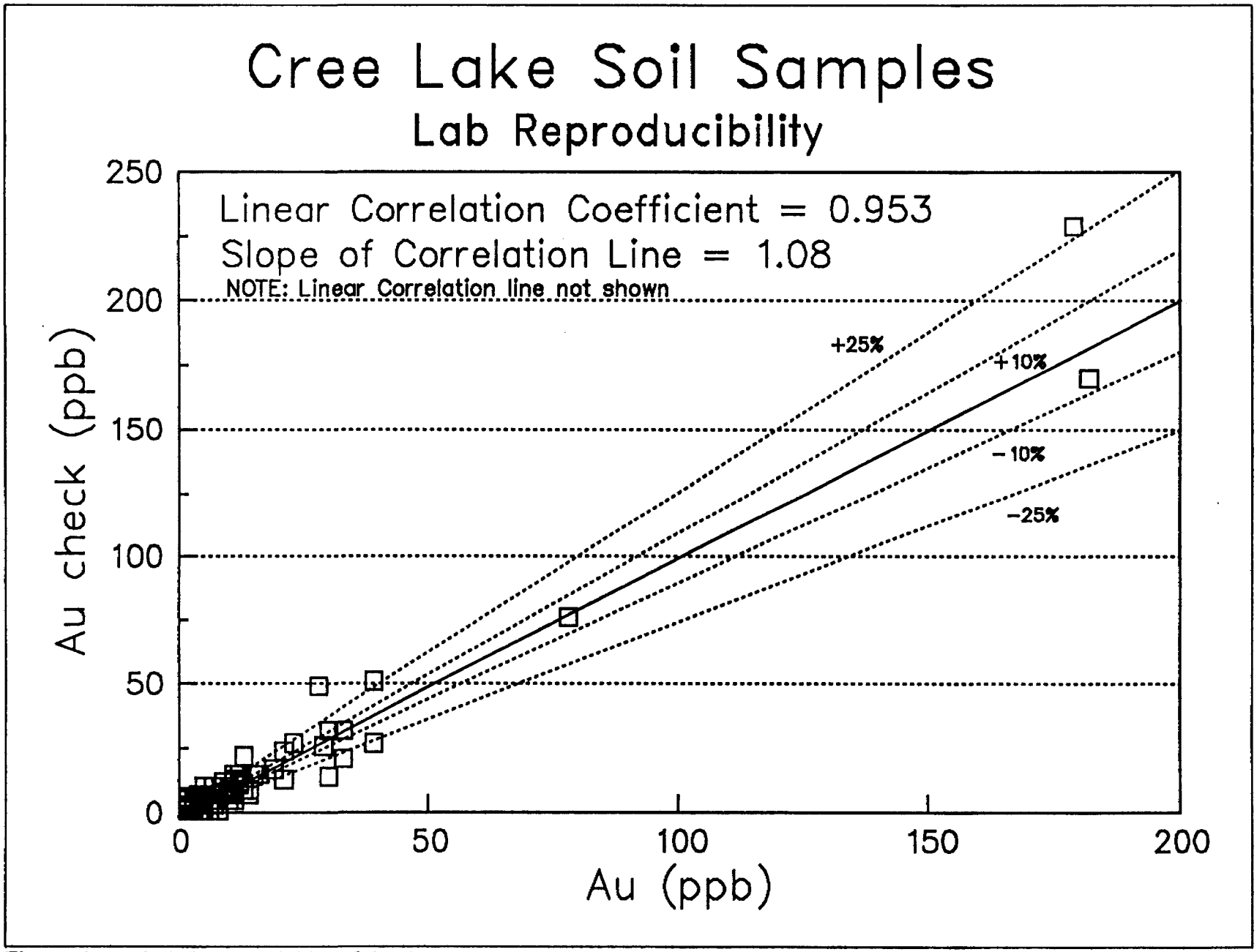


Figure 4: Lab Reproducibility of Au Assays.

The entire grid area was prospected, generally along favourable geological or geophysical features. Some prospecting was also carried out off of the cut grid. In addition, every previous map reference to quartz or quartz carbonate veins was checked.

Prospecting focused on three areas:

i) tracing conformable iron formation units along strike, particularly to the west
ii) prospecting the entire area encompassed by felsic intrusions and the contact areas of those intrusions
iii) tracing a zone of green carbonate alteration to the SW of the cut grid in the western portions of the grid.

8.3 Mechanized Stripping and Trenching

A total of fourteen areas were stripped to bedrock utilizing a Caterpillar D4D bulldozer and a Bombardier-mounted 1/2 yard backhoe. Larchex Inc. of Timmins, Ontario was retained to provide operators and equipment in conjunction with this phase of the program. A total of 8600 feet of road was created and/or reconditioned to provide access to target areas. Approximately 300 machine hours were logged during these activities.

The trenching activities were generally successful in exposing bedrock and the targets of interest, with the exception of a trench on L52W at 9+50N which had to be abandoned. In this area, a calcrete cap a few feet below surface prevented the equipment from penetrating to bedrock.

Many bedrock exposures at the bottom of trenches were blasted to obtain fresh material for mapping and sampling. In some instances, the walls of trenches were either too high or too incompetent to withstand blasting, and in these cases the outcrops were channel sampled with a diamond saw or chip sampled, depending on conditions. The samples were sent to Swastika Assay Laboratories in Swastika, Ontario for analysis for Au by fire assay with atomic absorption finish. One assay-ton fusions were used for the gold work. Selected samples were analyzed for Ag, As, Mo, Sb, Bi, and Pb.

A summary of the trench locations, sampling and lithologies encountered is given in Table 3. A summary of the work follows:

8.3.1 L84W/2+50S Area

A pyrite/arsenopyrite-bearing jasper iron formation was discovered by prospecting. The formation is coincident with EM and VLF conductors. This area was stripped by two men utilizing chainsaws and a gas-powered winch and thoroughly grab sampled.

Table III: Trenching Summary

Dwg. #	Location	Length	Total samples	Sample Numbers	Target Definition	Major Lithologies
	L84W 2+50S		14	92-411 to 92-425	- arsenopyrite-bearing chert discovered during prospecting	arsenopyrite-pyrite bearing jasper iron formation
4	L0E 4+50S	60' x 200'	0	n.a.	- obtain geological information	Ultramafic, carbonatized quartz-chlorite unit, QFP dikes
4	L0 6+00S	85'	14	92-850 to 92-863	- glacial float 0.878 and 0.5 oz/t Au - along-strike transition from an IP to an magnetic feature - single point SP anomaly and coincident geochemical soil anomaly at L0 7+00S.	Silicified QFP dike Altered chlorite unit - carbonate-quartz veining Cherty iron formation Altered chlorite schist
4	L2W 6+00S	60 '	21	92-070 to 92-089 & 92-950 to 92-962	- same as L0 6+00S - L0 6+00S failed to trench continually to bedrock	Same as L0 6+00S but: Cherty iron formation is 20' wide and has variable amounts of molybdenite, galena, sphalerite and chalcopyrite
5	L3E 5+25S	180'	25	92-900 to 92-924	- heavy pyrite mineralization in outcrop along road	Carbonatized schist, pyritic iron formation, chlorite schist and chlorite-quartz units
6	L8E 22+00S	100' x 50'	19	92-800 to 92-818	- quartz stockwork in hematized porphyry	Hematized quartz feldspar stock
7	L52E 0+75S	60'	8	92-750 to 92-757	- IP chargeability high - magnetic high	Diorite, chlorite schist

Table III con't: Trenching Summary

Dwg. #	Location	Length	Total samples	Sample Numbers	Target Definition	Major Lithologies
7	L52E 5+00S	60'	19	92-700 to 92-718	- IP chargeability high	Brecciated iron formation with soft sediment deformation and small scale brittle shears
8	L60E 23+50S	60' and 100'	33	92-600 to 92-629 & 92-006 to 92-008	- drill intersection 1 g/t over 3.5' - grab sample from small exposure 1.2 g/t - evidence of quartz veining and silica flooding	Intermediate pyroclastics with incipient crenulation cleavage, mineral segregation into laminae, erratic quartz veining, possible fold closure
9	L64E 6+50S	150'	44	92-500 to 92-543	- drill intersection 1.6 g/t over 12.5' - magnetic high, coincident VLF, EM conductors over iron formation	Cherty sulphide iron formation, jasper-magnetite iron formation; brittle shears near lower contact with intrusive diorite
9	66+00E 6+50S	100'	34	92-650 to 92-683	- eastern extension of iron formation	Cherty sulphide iron formation, pyritic schist
9	L68E 6+50S	120'	39	92-550 to 92-588	- eastern extension of iron formation - centre of magnetic anomaly	Cherty sulphide facies iron formation with significant brittle to ductile deformation features

8.3.2 L0/6+00S Area

This area of the property has experienced the most intensive exploration efforts to date. Previous drillholes CL-85-01, CL-85-09, and CL-85-02 were collared in the area. Previous sampling reportedly returned values of 0.878 oz gold per ton over 10 ft from glacial float and 0.503 oz gold per ton from bedrock in this immediate area. Furthermore, geophysical work showed an along-strike transition from an IP to a magnetic feature, possibly suggesting a progressive replacement of magnetite by pyrite in this area. Finally, a single point self potential anomaly and coincident geochemical soil anomaly exists at L0/7+00S. The soil geochemical value of 204 ppb Au was the highest recorded in the survey.

The initial trenching along L0 did not expose bedrock continuously. A large part of this trench contained bouldery till, which effectively limited the machines' ability to trench to bedrock. As a result, a second trench was opened approximately 160 feet to the west. This effort exposed bedrock and some interesting mineralization which was blasted and thoroughly sampled.

Immediately to the north of these two trenches, an area was stripped to provide geological information about continuity and structure relating to an ultramafic unit here. Upon completion of the stripping, a NE-trending shear was exposed. This shear offsets units by about 30 feet. Drillholes CL-85-01 and CL-85-09 had been positioned such that they drilled along this structure, which explains the lack of correlation between surface exposure and drill logs.

8.3.3 L8E/22+00S Area

As a result of prospecting efforts, a large quartz stockwork zone was discovered within a hematized felsic porphyritic intrusive. The area was stripped, blasted, mapped and sampled.

Another small area of quartz stockwork mineralization was discovered on L0 at 21+00S. This area was stripped by one man utilizing a chainsaw and a gas-powered winch. The area was unmineralized, unaltered, and showed discontinuous quartz veining. No sampling or mapping of this exposure was conducted.

8.3.4 L52E Area

Three areas on L52E were targeted for trenching. The area about 5+00S, just south of an existing road, was backhoe trenched to expose bedrock in the vicinity of a strong IP chargeability high. This trench was channel sampled and mapped. The overburden exposed in the trench walls provided a ten foot intersection through the glacial deposits, which provided useful information for soil geochemical sampling interpretation.

The trench at 0+75S was targeted on a magnetic high with a coincident chargeability high. The south end of this trench encountered large boulders in till which effectively limited the ability of the machines to continue the trench to the south.

The proposed trench at 9+50N on L52E to investigate some geophysical targets of interest was abandoned when a calcrete cap was encountered a few feet below surface. This cap effectively limited the ability of the machines to expose bedrock, and was extensive enough that no other potential trenching location could be found in the area.

8.3.5 L64E and L68E Area

Three trenches were excavated between L64E and L68E at about 6+50S. The westernmost trench was designed to investigate sub-economic gold values encountered in drillhole CL-87-18. These gold values were contained in the upper contact region of an iron formation. This was the only drillhole, and the only sampling in a large magnetic feature which extends eastward for at least 3200 feet. Unfortunately, the water table and bedrock topography combined to render sampling and mapping of the critical northern contact area impossible.

The trench excavated at 65+50E was designed to expose the eastward continuation of the gold anomalous unit. The trench was initially designed to run along strike in an east-west direction, but was turned north-south when no exposure of the northern iron formation contact area was uncovered in either the L64E or L68E trench. Unfortunately, a ferricrete cap directly over the contact area resisted excavation by backhoe and subsequent blasting efforts.

The trench at L68E/6+50S was designed to expose the centre of the large magnetic anomaly, this geophysical feature being reflective of the auriferous iron formation unit. The northern contact area of the iron formation again could not be exposed in this trench as a result of bedrock topography plunging beneath bouldery till. Numerous attempts to excavate through this coarse bouldery till were unsuccessful.

All three trenches were mapped and continuously sampled over the exposed area.

8.3.6 L60E Area

The work about L60E/23+50S was designed to expose an outcrop area which returned a value of 1.2 g/t gold from a grab sample. A single drill hole, CL-87-20, intersected this zone at depth and returned a similar value. The area was trenched in both a north-south and an east-west direction, allowing an examination of along-strike variations. The outcrop was completely mapped and channel sampled.

9.0 RESULTS - 1992 EXPLORATION PROGRAM

9.1 Geochemical Overburden Sampling

Results of the soil sampling program are presented in plan on Map 3.

The existence of a suite of glacial/fluvial deposits on the property has led to some inconsistencies in the type of medium sampled. However, it is apparent from the results of the geochemical survey that no single medium has any systematically elevated Au values associated with it. Samples collected at the deepest possible level in the soil profile seems to show the best contrast in anomalous and background values (Figure 3).

9.1.1 Geochemical Thresholds and Distributions

Distributions for Au, As and Cu are shown in Figures 5,6,and 7 respectively. Each distribution is lognormal and the class intervals are represented by log-transformed equivalents.

The distribution for Au is lognormal, with a definite second population adding to the upper tail (Figure 5). Cu is negatively biased and may be bimodal (Figure 7). Arsenic values are well distributed with higher values appearing well outside the normally distributed data (Figure 6).

As a result of the uniformly low background values for Au, As, and Cu on the property, and given the 10% analytical error, it is difficult to use any statistical method to determine threshold values for specific metals. In addition, all distributions are lognormal. Any conclusions about the distributions of values less than 10 must be viewed critically since class intervals are small and frequently do not span the range of analytical error. Consequently, the following values are subjective in nature:

Table IV: Geochemical Anomaly Threshold Levels.

Element	Background range	Anomalous	Highly Anomalous
Au	0 to 9 ppb	10 to 30 ppb	> 30 ppb
As	0 to 25 ppm	26 to 65 ppb	> 65 ppm
Cu	0 to 25 ppm	26 to 65 ppm	> 65 ppm

The soil sampling program identified one distinct Au anomalous area. This area mimics the contact aureole of the felsic intrusive body identified at the south end of lines 4E, 8E, 12E, 16E and 20E. High Au values were returned, especially between 15+00S and 20+00S on line 16E. The anomalous zone continues to the east, where it is defined between 19+00S and 24+00S on line 20E. The zone is open to the east.

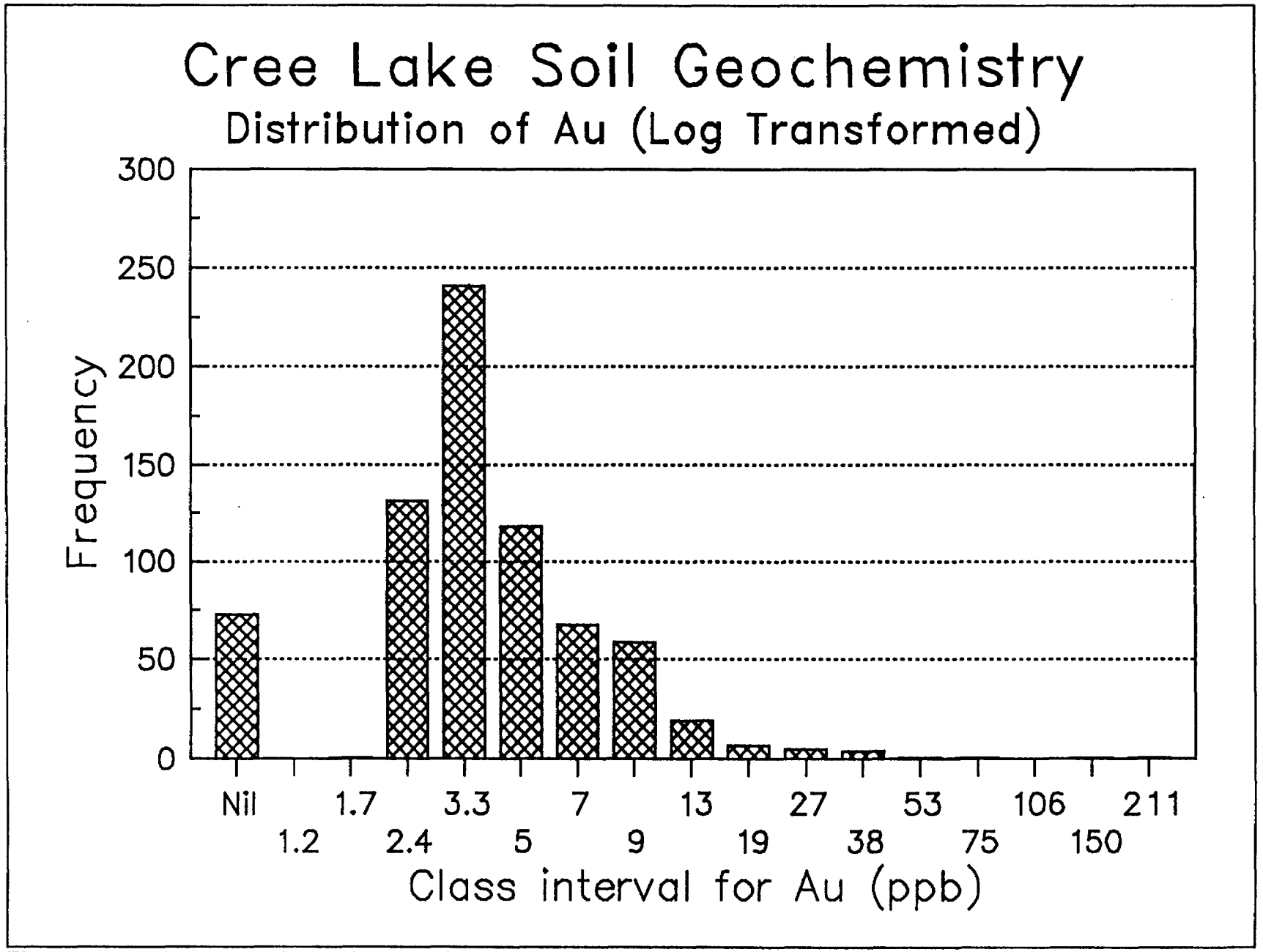


Figure 5: Distribution of Au values in Soils.

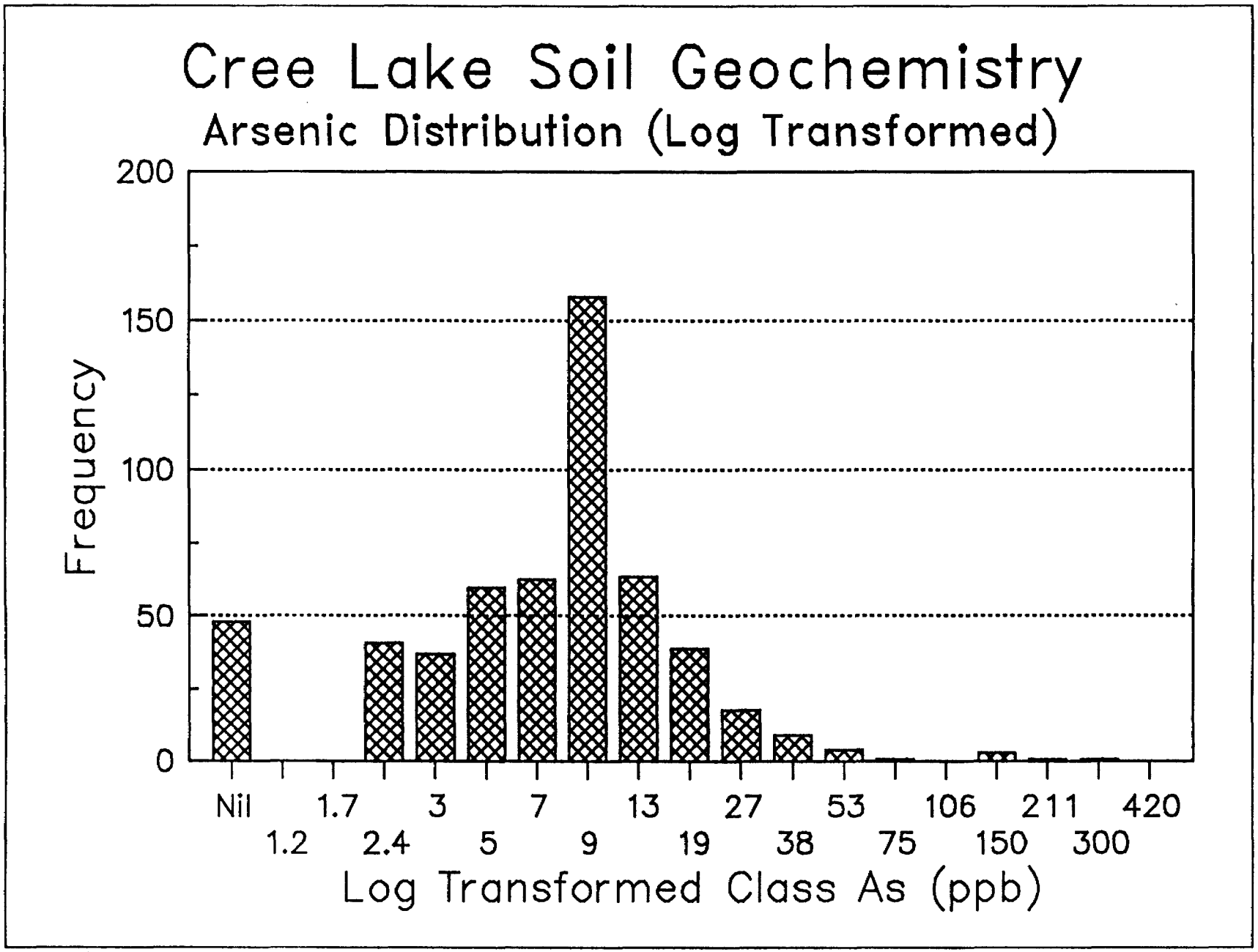


Figure 6: Distribution of As values in Soils.

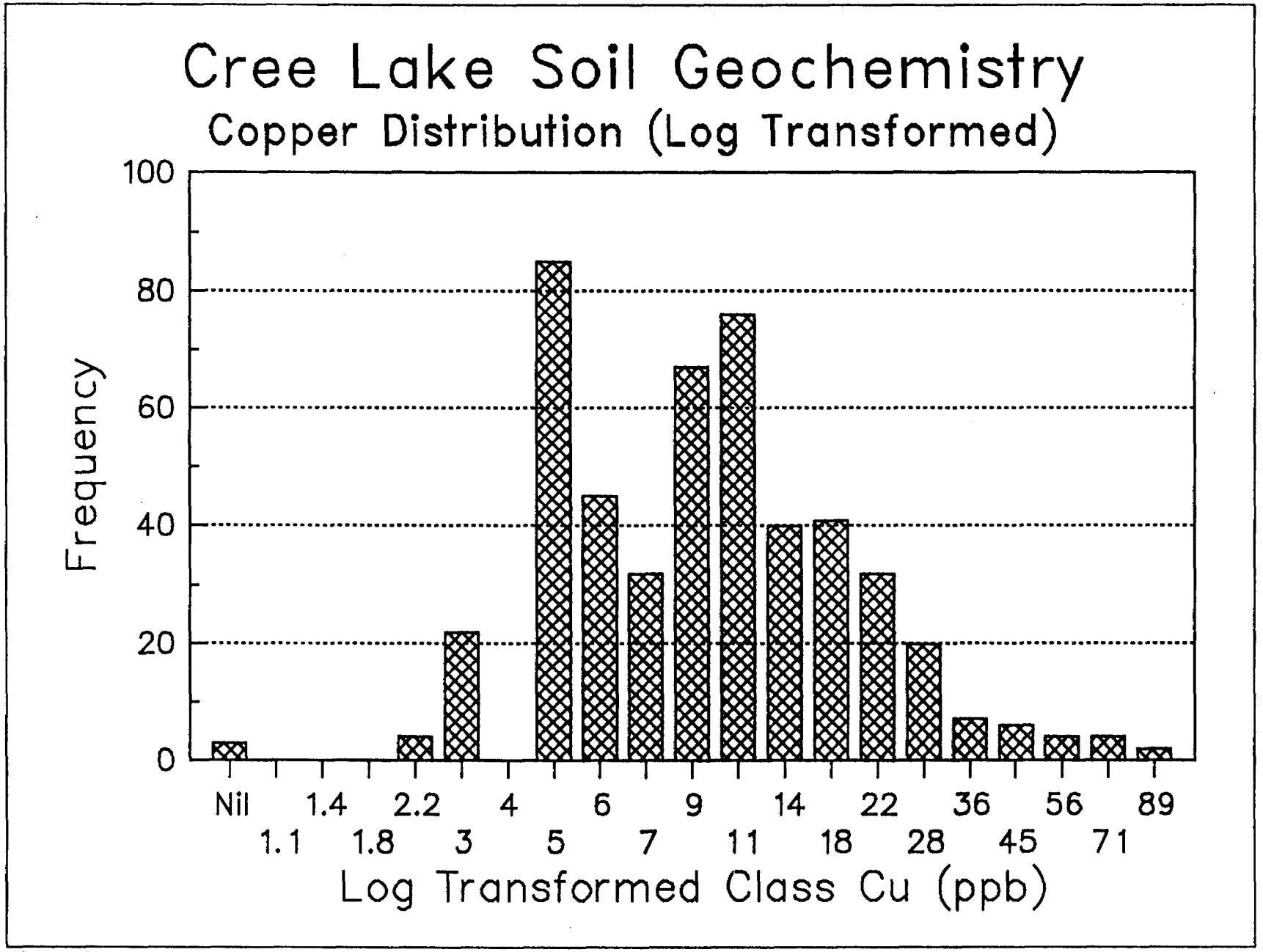


Figure 7: Distribution of Cu values in Soils.

The only drillhole in the vicinity of this anomaly was CL-85-12, collared at L8E, 12+50S. This hole ended in mineralization, with the final five feet returning an assay of 1200 ppb Au. A 31 ppb Au soil anomaly exists immediately above this drill intersection and it is probable that this soil anomaly reflects the bedrock source intersected during drilling.

Hole CL-85-11 was collared at L16/E 19+50S, to the south of the geochemical-inferred bedrock gold zone. This hole did not intersect any significant gold mineralization or alteration.

It may be inferred, therefore, that the Au-bearing zone of fine quartz stringers and chlorite in a fine-grained hornfels contact zone intersected by hole 85-12 extends at least 1200 feet to the east and seems to parallel the felsic intrusive contact. The anomaly is also completely open to the east. The increasing strength of the anomaly in this direction may be suggestive of increasing bedrock gold grades to the east.

This zone presents a high priority target, given the geochemical response relative to the rest of the property. This zone cannot be easily trenched or stripped due to topographic and overburden constraints. Any evaluation of this zone must be done by drilling.

A second potentially anomalous area exists on L32E between the baseline and about 4+00S. This is a single line anomaly, open to both the east and west. This area is anomalous to highly anomalous in Au, As and Cu and is sited over some attractive, untested geophysical features.

A single coherent As anomaly exists on the property, namely in the vicinity of L88W and L84W at 2+50S. The bedrock source for this anomaly was stripped, and shown to be an arsenopyrite-rich brecciated jasper iron formation. No significant gold values were returned from the sampling of this unit.

The remaining anomalous As and Cu values are sporadically distributed and are generally single point phenomena. Elevated copper values are generally spatially related to known diorite/gabbro bedrock.

9.1.2 Geochemical Correlations

Au, As and Cu scatter plots were produced to check for correlations between elements. No significant dependencies could be discerned (Figures 8, 9, 10).

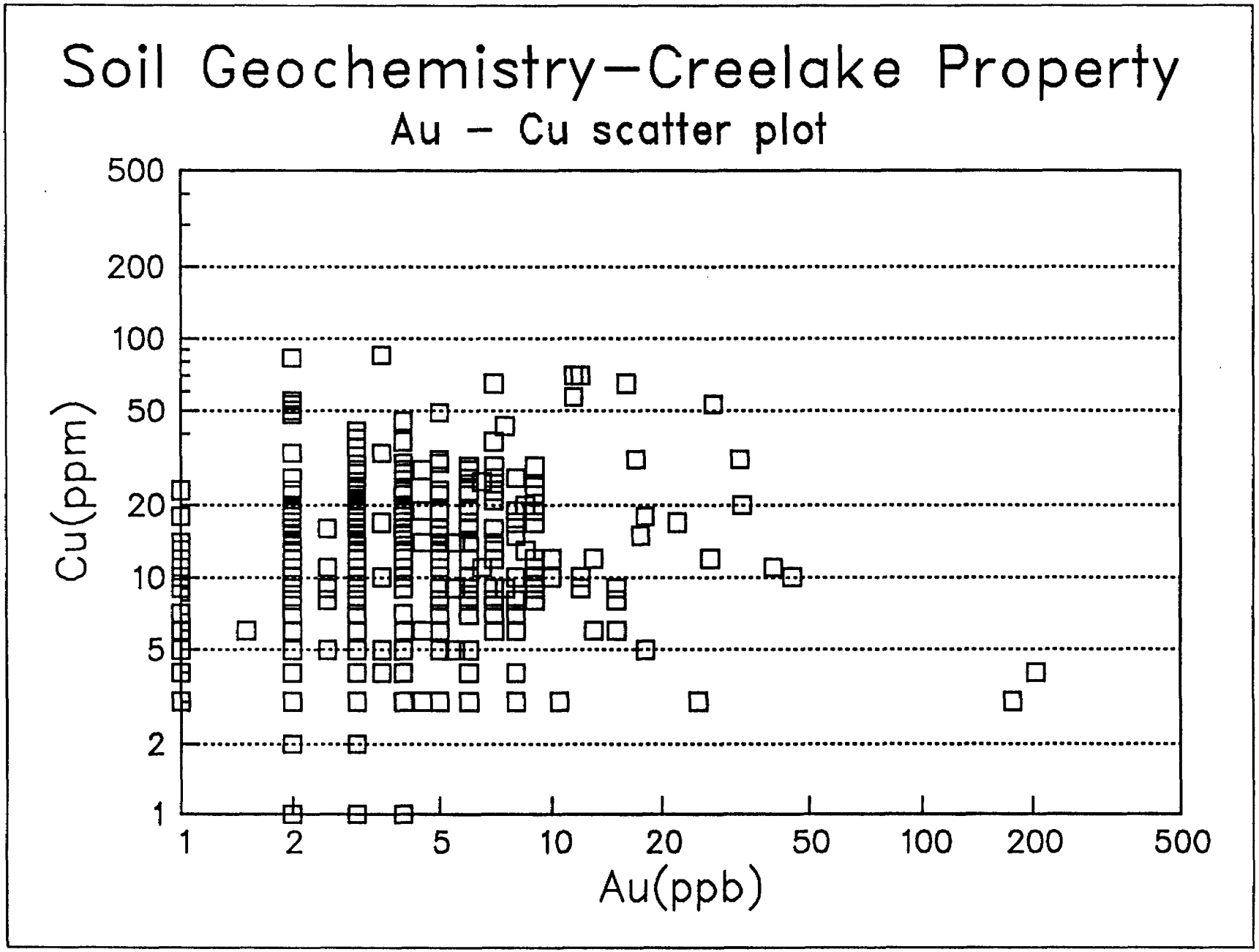


Figure 8: Au-Cu Correlation Scatterplot for Soil Samples.

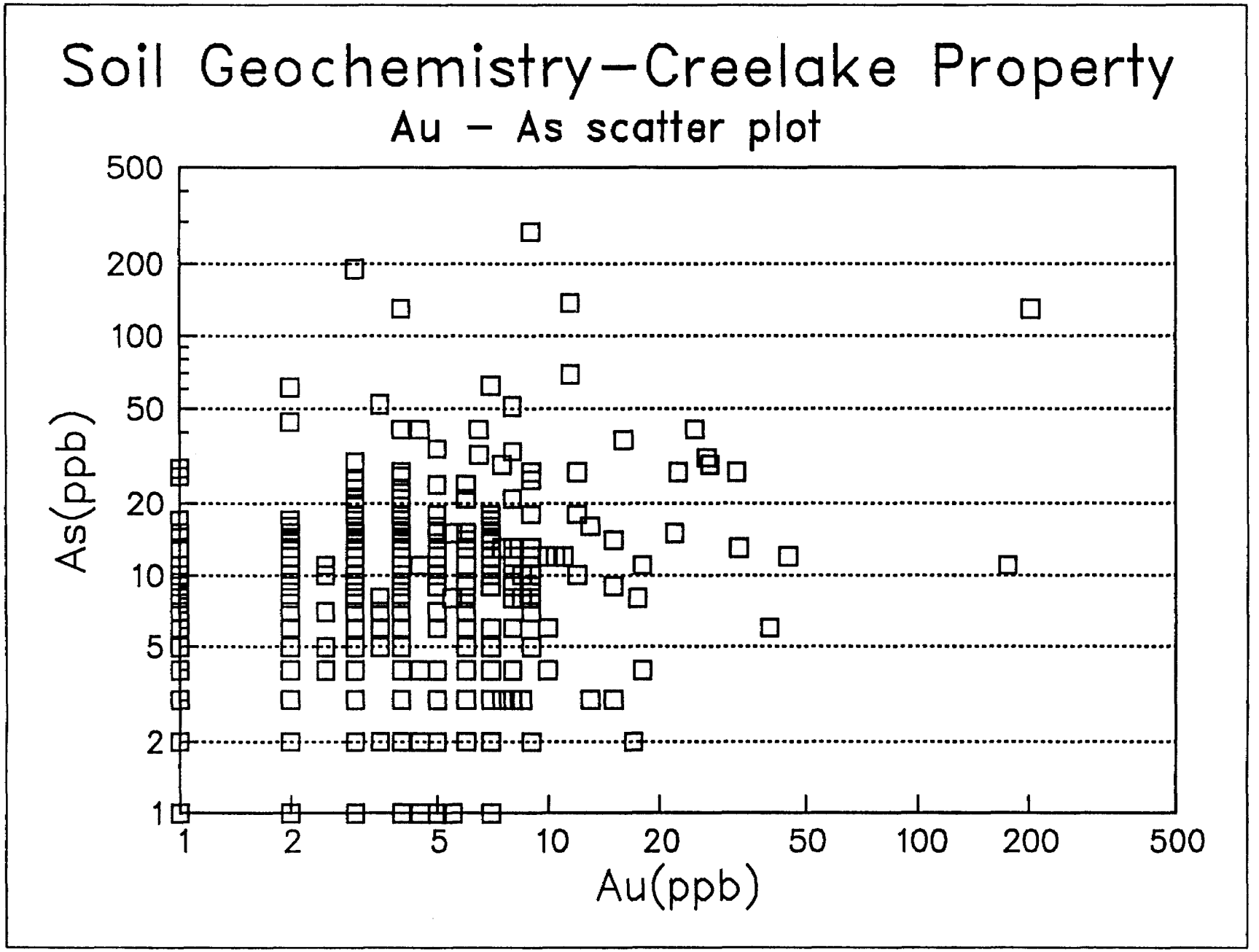


Figure 9: Au-As Correlation Sactterplot for Soil Samples.

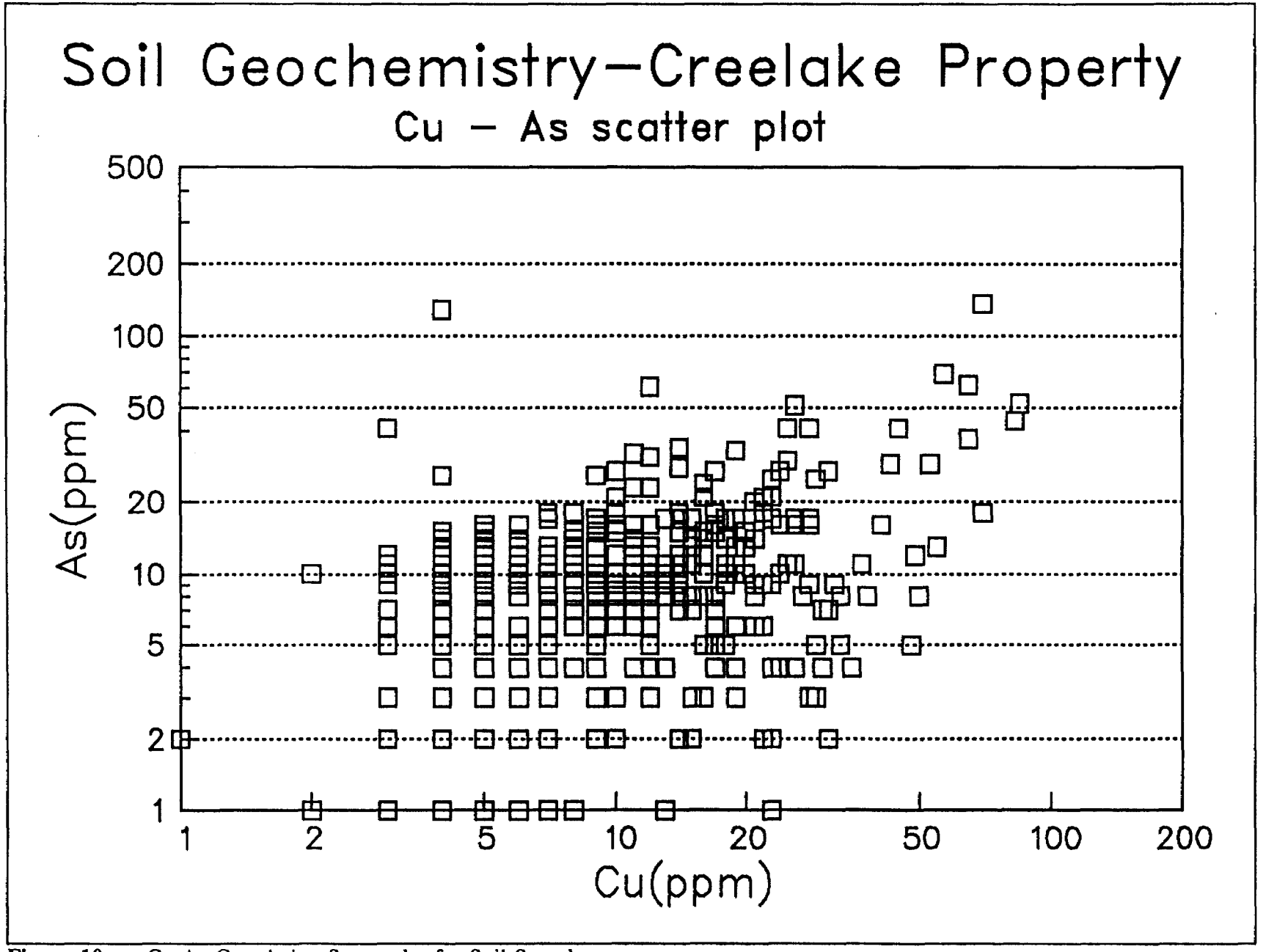


Figure 10: Cu-As Correlation Scatterplot for Soil Samples.

9.2 Prospecting and Mapping

Prospecting activities uncovered three new areas of interest outside of the previously defined targets:

i) a zone of arsenopyrite and pyrite in a jasper iron formation between L84W and L88W at about 2+50S.

ii) a large quartz stockwork zone within a hematite-altered granitic intrusive

iii) an extensive green carbonate alteration zone extending west-southwest from L96/W 15+00S

The first two targets were stripped, blasted and sampled. No economically significant gold values were recorded. The last area proved impossible to strip, but samples were collected from outcrop and float in the vicinity of the old trenches. No significant Au values were returned from samples collected from these workings. No record of these trenching activities exists in assessment files, and no further information is available.

Mapping activities have generally verified previous geological compilations with a few modifications. A number of medium to coarse grained, laterally extensive diorite/gabbro intrusions were identified and placed on the geological map. These were previously mapped as mafic flows. These units are continuous, of high topographic relief, display minor penetrative fabric development and are generally homogeneous. These rocks are frequently difficult to identify in the field because of their textural and compositional similarity to the coarse-grained central parts of mafic flows.

The intrusive contacts bordering diorite/gabbro sills are frequently sheared and highly schistose, a result of strain intensity increasing around the competent intrusives. When these contacts can be found, the fabric development is a good indicator of the existence of an intrusive. In addition, the diorite/gabbro bodies generally have low frequency fracturing throughout, especially in the western portions of the property. In this part of the property the existence of increased thicknesses of mafic intrusives may have resulted in a more brittle style of deformation. Alternatively, late diabase dykes may have crosscut the western portion of the property, as suggested by magnetic data, and resulted in late stage cracking, jointing and deformation of the lithified volcanics and volcaniclastics.

In conjunction with prospecting and mapping activities, every previous map reference to quartz or quartz-carbonate veins was checked. The most interesting veins were subsequently sampled. Quite frequently, the veins were unmineralized, narrow, and discontinuous. Two notable exceptions occur in the felsic intrusive rocks around L0/ 21+00S and L8E/22+00S. These areas contain large quartz stockwork zones with minor

pyrite mineralization (see description of trenches). No significant gold values were returned from sampling of any of these vein systems.

9.3 Trenching and Mechanized Stripping

The following provides a brief description of each trenched or stripped area.

9.3.1 L84W Area

This area is part of a property-wide geophysical trend. The geophysical signature of the trend varies along strike, but is most easily seen as a continuous EM conductor.

The bedrock at 83+75W/2+50S is a brecciated chert-jasper iron formation with up to 5% euhedral acicular arsenopyrite and 5% pyrite. The chert-jasper formation is in contact with a diorite/gabbro sill to the north. The southern contact is obscured by a swamp.

The sulphides occupy crosscutting fractures, and are disseminated throughout the chert. Sample numbers CL-92-411 to 92-425 inclusive were collected during the systematic sampling of this area. In addition, sampling of a large piece of float of identical composition is represented by samples CL-92-033 to 92-043. These samples revealed that the arsenopyrite is enriched in both Sb and Bi (samples 040 and 041).

Some anomalous gold values were returned from this sampling, with the highest being 771 ppb from a selected grab sample. Numerous other anomalous assays, ranging from less than 200 ppb to over 650 ppb, were also reported.

The existence of arsenopyrite in these concentrations has not been previously recorded on this property. Arsenopyrite is a major gold-associate in the ore zones of many Abitibi gold deposits. Furthermore, the style of emplacement of the arsenopyrite, together with Sb and Bi, seems to imply that it is secondary, and introduced after lithification of the iron formation. If this is the case, then this area may provide excellent potential for concentrating gold, either in the chert-jasper unit, near the contact with the northern diorite, or in joints and fractures within the diorite itself.

9.3.2 Central Grid Area

Three trenches were excavated in the central grid area, and two areas were stripped for examination. Detailed plans are presented in Maps 4 and 5.

The two trenches at L2W and L0/6+00S reveal the same stratigraphy. The L2W exposure revealed an approximately 20 foot thickness of cherty, pyritic iron formation with minor amounts of chalcopyrite, galena, sphalerite and molybdenite. A correlative lithology was uncovered in the eastern trench, but at this point the unit is less than 5 feet wide, probably the result of 'mega-boudinage' during strike-parallel shear deformation. Significant quartz-carbonate veining surrounds the iron formation, and shows coincident sericitization and carbonate flooding of mafic-chloritic units. Schistosity is most pronounced in the rocks bordering the iron formation, reflecting a high strain gradient developed about the relatively competent cherty iron formation during deformation. Partings and cracks in silicified rock next to the chert units allowed injection of quartz and quartz-carbonate to form veins.

The iron formation in these two trenches contains up to 75% pyrite, and samples with heavy sulphide mineralization also return the highest Au values. The entire cherty iron formation is anomalous in Au, with values up to 2 g/t. The existence of galena, molybdenite and sphalerite associated with Au is similar to other deposits in the Swayze Belt. The molybdenite, in particular, is a key gold-associated mineral in Swayze and other gold deposits such as the Jerome Mine. The along strike continuation of this unit, especially to the west, is a high priority target.

The stripping and trenching about L0/4+50S exposed an ultramafic unit, probably a fine grained, serpentinized intrusive, and a carbonatized quartz-chlorite unit. The ultramafic is weakly foliated, soft and highly altered. The carbonatized quartz-chlorite unit shows penetrative foliation, but is massive and hard. A number of boudinaged, silicified quartz-feldspar porphyry dikes intrude both the ultramafic and quartz-chlorite units, but these dikes are themselves offset by later shearing and faulting.

A similar carbonatized chlorite unit was uncovered in the L3E/5+25S stripping. Here the southern contact of this unit is exposed. A heavily pyritic iron formation exists to the south, but is itself faulted and displaced. No altered quartz feldspar porphyry dikes were observed in these easterly trenches.

These exposures record a complex deformational history for the immediate area, with penetrative foliation being developed in the quartz-carbonate rock. Carbonatization and/or silicification may have preceded or been coincident with foliation development. Later ultramafic intrusive activity was followed by felsic intrusive dikes, which were all subjected to a small component of bedding-parallel shear. Finally, brittle-ductile deformation, with a principle component of shear being oblique to bedding, offset the units.

9.3.3 Felsic Intrusive Areas

Two areas containing quartz stockwork zones within a hematized granitic to quartz monzonite intrusive were stripped. Only one area displayed sulphide mineralization, and mapping and sampling was restricted to this area.

A small outcrop on L0 at about 21+00S was exposed. This outcrop displayed quartz porphyry with a discontinuous stockwork of quartz veins throughout. The porphyry was unaltered and the quartz veins were clean and unmineralized. No sampling was conducted.

A second, larger area was stripped at L8E/22+00S. This area exposes a hematized quartz feldspar porphyry of granitic to quartz monzonitic composition. Trace to minor pyrite and chalcopyrite is associated with an extensive quartz stockwork within the altered granitic rock. Quartz veins within the stockwork are continuous, white and frequently contain inclusions of wall rock material. Specific alteration close to the veins is indiscernible, probably a result of the entire outcrop being altered.

These impressive quartz stockworks indicate a significant episode of hydrothermal activity. The hydrothermal fluid at this point in the system seem to have caused a diffusion of iron into the wall rock, but precipitated only silica into the vein network. Certainly the fluids were rich in iron and may have carried other metals as well. The locale for deposition of these metals is a key exploration target and must be given a high priority.

9.3.4 L52E Trenches

The trench at L52/E 0+75S uncovered mainly diorite. The southern contact of the diorite contained up to 5% pyrrhotite, which returned an anomalous gold value of about 110 ppb. This zone is less than 3 feet wide and of no economic interest.

The trench to the south, at 5+00S on L52W, exposed a cherty iron formation. This formation is the western extension of the formations exposed in trenches on L64E, 66+00E and L68E, as suggested by geophysical interpolation. No significant Au values were returned from the sampling conducted in this trench.

9.3.5 Eastern Iron Formation

Three trenches were excavated on L64E, 66+00E and L68E. Each of these trenches uncovered a cherty-jasper iron formation. Lithologies were identical in all trenches.

The iron formation itself seems to face north, is steeply dipping and generally strikes east-west. A diorite body is in contact with the chert to the south, probably intruded along a competency contrast between the chert and a volcanic tuff.

The best Au values from this iron formation recorded in previous drilling were 0.052 oz gold per ton over 12.5 feet at the northern contact of the iron formation with mafic tuffs.

The chert unit varies from black, argillitic chert at its base to a magnetite-bearing jasper in the central portions, to a coarsely laminated white, grey and black pyritic chert in the upper portions. This transition reflects quiet, subaqueous sedimentation of silica and fine-grained volcanic ash in an evolving basin.

The basinal brines responsible for the precipitation of the chert evidently evolved towards oxidizing solutions, as evidenced by the sedimentation of jasper-magnetite beds above the 'dirty' argillitic chert. Further evolution created a reducing solution, as evidenced by the transition from magnetite- bearing to pyritic iron formation. These transitions in the nature of the basinal brines are most easily accomplished by a change in the nature of the exhalative solutions feeding the basin.

The final exhalative solution seems to have been gold-rich, as evidenced by the anomalous gold values intersected in drill core at the very top of the sedimentary unit. The transitions in the composition of the brines are easily resolved when it is recognized that volcanism continued after the exhalative activity ceased, and that further lulls in the volcanic episodes were accompanied by chert formations at higher levels in the stratigraphic pile, i.e. to the north.

Sampling of the lower portions of the iron formations did not yield any significant, continuous gold mineralization. The upper contact, however, could not be sampled during the course of this work because of overburden/groundwater conditions and remains a high priority target. This iron formation extends for at least 3200 feet and the gold-bearing horizon has only been sampled at a single point. Further drilling will be required.

9.3.6 L60E/23+50S Area

Previous drilling and 1992 grab sampling in the vicinity of L60E/23+50S returned some gold values in the 1 g/t range. Examination of the exposed bedrock revealed a zone of intense narrow quartz veining and silica flooding. Minor to trace pyrite and chalcopyrite occur as disseminations in wall rock associated with small quartz veins. An incipient crenulation cleavage is developed in the outcrop, a result of late stage deformation. Interestingly enough, this area is proximal to an assumed anticlinal axis which may pass through the southern part of the Cree Lake property.

The style of secondary quartz veining and flooding implies a period of hydrothermal activity, possibly associated with the intrusion of the felsic stocks and plugs to the west. The potential for this area is unknown and future exploration should concentrate on geophysical testing of the along-strike extension of this horizon, particularly to the west towards the granitic bodies.

9.4 Petrology

Eleven polished thin sections were produced from various lithologies to aid in identification of problematic minerals, and to determine paragenesis and crystallization histories. The sections were examined under both reflected and plane polarized light and are commented on briefly as follows:

Three samples from the polyphase felsic intrusion were sectioned and examined. A fourth sample from granitic float obtained from the excavation at L8E/22+00S was also sectioned.

TS 801 corresponds to sample CL-92-801 which returned 21 ppb Au; consists of

TS G01: feldspar porphyry from 13+00E/22+00S displaying approximately 10% euhedral plagioclase supported in a very fine grained, dark grey to black matrix. The feldspars are heavily sericitized, almost completely altered, and $<An_{15}$ (extinction angle of 12° where found). The matrix is fine grained quartz with undulatory extinction in individual grains. Minor biotite and pyrite are disseminated throughout the matrix. Both the matrix and phenocrysts display hematite staining. One grain of chalcopyrite (<<0.1 mm) was noted.

TS G02: phaneritic granite to quartz monzonite from 12+00E/21+00S is phenocryst supported. It displays approximately 45% medium grained plagioclase and 45% quartz phenocryst aggregates surrounded by a fine grained quartz-sericite-biotite groundmass. Up to 50% of the quartz grains may in fact be alkali feldspar, since some grains do not show undulatory extinction and are rounded individual phenocrysts rather than aggregates. Interference figures are difficult to obtain. The plagioclase phenocrysts are heavily saussuritized and sericitized. The groundmass is mostly fine grained quartz, green to brown biotite laths and fine grained sericite.

TS 113: corresponds to grab sample CL-92-113 from mineralized float uncovered during stripping at L8E/22+00S. The sample returned 545 ppb Au and consists of mineralized granitic rock work, 2 to 5% fractured euhedral pyrite, up to 15% fractured, saussuritized plagioclase set in a fine grained quartz matrix. Quartz grains show undulatory extinction everywhere. Quartz content is up to 85%, biotite laths account for 10 to 20%. Minor (<1%) arsenopyrite is disseminated throughout.

It is clear from these examinations that the felsic intrusion in the south of the grid is indeed a multiphase one which displays variable degrees of mineralization within and between phases. Interestingly, the only sample which returned anomalous gold values also displayed minor arsenopyrite mineralization, a known pathfinder for gold. In addition, the phases display varying degrees of alteration which implies a complex thermal overprinting of fresh phases by later intrusive activity. These lithologies reflect a complex intrusive history, and imply that country rocks were affected by multiple stacked processes, any number of which may have emplaced gold. This previously unknown aspect of intrusive activity on the property enhances the exploration potential of areas adjacent to the intrusive body.

Seven mineralized samples from brecciated cherts were thin sectioned to determine the diagenesis of the pyrite-chert and to identify the nature of gold within the samples.

TS 412: corresponds to sample CL-92-412 from a manually stripped outcrop at 83+75W/2+00S. The sample returned 41 ppb. This brecciated chert shows highly fractured and sutured fine grained quartz with undulatory extinction. The rock contains 90 to 99% quartz. Up to 3% secondary, euhedral arsenopyrite exists between quartz grains.

TS 091:
TS 092:
TS 401: correspond to samples CL-92-091, CL-92-092, CL-92-401 from the L2W/6+00S trench. These samples returned approximately 620 ppb, 550 ppb and 980 ppb Au respectively. The brecciated chert samples are generally composed of the same minerals, although proportions vary. Quartz accounts for 60-80% of the rock and occurs as fine grained aggregates, as large crystals with sutured contacts displaying undulatory extinctions and as narrow, strained and cryptically sutured crystals close to pyrite bands. Pyrite occurs as discrete subhedral crystals forming continuous bands. The pyrite is fractured, slightly displaced along internal fractures and appears to be primary. Up to 10% black inclusions are dusted throughout the pyrite. Yellow carbonate forms a late fracture filling in chert and green to green-brown secondary biotite occurs as open space fillings and pressure shadow growths. No visible gold grains were identified and the gold is considered to be syngenetic, possibly occurring as ionic substitutions in the pyrite.

TS G03: chert-chlorite schist contact from the south end of the L2W/6+00S trenched outcrop. Chert is ultra fine grained. The chlorite schist consists of 10-15% fine grained chlorite, 40-60% quartz grains and 20-30% calcite. Both the calcite and chlorite are distinct alteration products of a mafic tuff protolith. Tension fractures less than 2 mm wide are calcite and quartz filled. Euhedral to subhedral secondary pyrite crystals are crosscut by late

quartz-carbonate stringers. The pyrite also displays numerous inclusions of quartz and calcite aggregates, and is always surrounded by fine grained, welded quartz aggregates. No primary pyrite was observed.

TS 059:
TS 063: these two grab samples of mineralized float were uncovered during trenching at L0/7+00S and L8E/22+00S respectively. They correspond to samples CL-92-059 and CL-92-063 which returned approximately 2260 and 1639 ppb Au respectively. Both of these samples were composed of greater than 90% pyrite. The laminated pyrite bands (<1 mm thick) are composed of euhedral to subhedral grains and are fractured and slightly displaced along fractures. Numerous black inclusions dust the pyrite. Up to 10% fine grained quartz grains occur as discontinuous interlaminations. Trace arsenopyrite and chalcopyrite are noted (<< 1%). No visible gold grains were identified and the gold is considered to be syngenetic, possibly occurring as ionic substitutions in the pyrite.

Based on these observations, it is logical to conclude that the concordant laminations of pyrite in chert, however fractured and displaced, are syngenetic. Likewise, given the strong correlation between gold content and sulphides, the gold is considered syngenetic. Considering the volume of syngenetic pyrite on the property, this lithology provides a ready source of gold for redistribution and concentration by tectonic, chemical and/or hydraulic processes.

10.0 DISCUSSION

Results of the recently completed exploration program on the Cree Lake property including the soil and rock sampling and geological observations on the structural styles and lithological transitions have enhanced the economic potential of the property.

Frustratingly, some of the priority geophysical/geological targets selected for stripping and sampling could not be accessed because of thicker than anticipated overburden relative to the capabilities of the backhoe or the presence of calcrete-type cappings which precluded effective sampling. These remain valid targets and will have to be tested by diamond drilling. The calcrete or ferricrete (ie. Fe-cemented till) cappings may be more extensive than thought and may be hindering the effectiveness of the soil geochemical work. This is perhaps best demonstrated in the L64E-L68E area where the known bedrock gold zone, now known to be ferricrete capped, is not reflected in the soil sampling results.

The cherty iron formations have been shown to be laterally extensive, chemically transitional units which show various geophysical signatures along strike. These units may have behaved in brittle fashion during deformation, thus creating secondary permeability amenable to the entry of ore-forming solutions. In addition, it is possible that specific layers or bands in these iron formations may be gold- bearing, and may contain ore grade concentrations. The other significant stratiform lithologic unit in which considerable secondary permeability may have been created during deformation is the thick, relatively homogenous diorite sills.

A significant result of this exploration program has been the observation that elevated gold values in the interflow sedimentary regimes are always directly correlated with pyrite contents. Unfortunately, heavy sulphide mineralization does not always guarantee elevated gold values. This observation may give increased significance to some of the more conductive and previously untested portions of the known gold-bearing sedimentary units, (e.g. in the vicinity of previous hole 85-14).

The geology would seem to imply that a transition in the relative metal contents exists between the east and west portions of the property. Pyrite is the predominant iron sulphide everywhere, but towards the west, arsenopyrite then chalcopyrite seem to be observed more frequently. This may indicate thermal gradient increasing to the west, and may have implications for gold deposition.

The existence of significant amounts of secondary Mo, Zn, Pb and Cu in a brecciated iron formation seems to imply either secondary enrichment, or a significant local change in the composition of exhalative solutions and resultant basin brines. Realistically, these elements are probably secondary to the initial sedimentation. If these elements are secondary, then some mechanism has emplaced them only in the L2W area, and this mechanism must be explained and delineated. These elements may be related to hydrothermal activity associated with the felsic intrusion to the south.

The quartz stockworks discovered in the felsic intrusions, along with the accompanying alteration and a large consistent geochemical Au anomaly immediately to the north, imply that this area is the highest priority exploration target. The geochemical soil Au anomaly is conspicuous in its extent and size, relative to the values found elsewhere on the grid.

The source and/or validity of the elusive high grade "discovery" boulder at 7+00S on L0 remains uncertain. The chert-pyrite material was most probably not derived from the underlying chert-pyrite iron unit considering glacial relationships, but was most probably derived from one of the lithologically identical interflow units to the north. These units rarely outcrop and are swamp-covered, precluding surface prospecting or effective soil geochemistry. We cannot comment further on the actual assay value of the bouldery other than to note that it was checked and duplicated by the assay laboratory (Bell-White) such that the value may still be real and a reflection of a gold-bearing zone in an up-ice iron formation.

11.0 CONCLUSIONS AND RECOMMENDATIONS

The large Cree Lake property has only been relatively superficially explored to date. Results of the present program in the context of previous exploration lead us to the conclusion that significant potential exists for discovering ore grade gold concentrations on the property in:

i) brecciated iron formation adjoining diorite, particularly in the L64-68E, i.e. previous hole 87-18, area. The geophysical expression of this zone extends for some 3200 ft or more. The single previous hole into this conductive/magnetic trend, 87-18, returned 0.052 oz gold per ton over 12.5 ft.

ii) sulphide-rich portions, either primary or secondary, of laterally extensive interflow sedimentary units as manifested by increased levels of EM conductivity. Critical targets in this regard include portions of conductors HL-4d, 5c, 5d, 10/11.

iii) felsic intrusive contact area around, and to the east of, drill hole CL-85-12, particularly along the corridor of distinctly anomalous gold-in-soils geochemistry results.

iv) the felsic intrusive body proper, particularly along the inferred NNW-SSE structural trend of the strong quartz stockwork zone at L8E/22100S. The setting here, considering the hematite alteration, is highly reminiscent of that at the Silidor deposit in Quebec although the limited soil geochemistry suggests that if economic gold deposits are present, they do not extend to the present erosional surface.

v) the major, through-going central deformation/carbonate alteration zone or favourable secondary structural zones in the immediate vicinity thereof.

It is concluded that further work is warranted on the Cree Lake property and a follow-up program is recommended. This should take the following form:

a) Extension of the existing grid south between L28W and L40E to 48+00S or the north shore of Ransom Lake (~5.2 line miles) and south between L64W and L28W to 32+00S (~ 2.8 line miles).

b) detailed dipole-dipole IP surveying (a= 50 ft, n= 4) over the granitic contact area and granitic body proper between L64W to L40E from 8+00S to the south border of the grid (~ 11.5 line miles).

c) diamond drill testing of existing targets with an allowance for testing targets located by a) as follows:

i)	L64E-68E iron formation area	3 holes (1000')
ii)	EM conductive zones	4 holes (2000')
iii)	cross-sectional tests of main alteration /deformation corridor	2 holes (1500')
iv)	allowance for testing targets located by a)	4 holes (2000')
		6500' ± 1500'

Further work would be contingent on the results of the above relative to our exploration models for the Swayze area.

Respectfully submitted,

Joseph A. Hamilton, M.Sc. (Applied)

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Report on the Diamond Drilling Program on the Cree Lake Property, Swayze Township, Ontario for Golden Rim Resources Ltd.

APPENDIX I

Assay Certificates

Swastika Laboratories

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Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

2W-1020-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: SEP-24-92

We hereby certify the following Geochemical Analysis of 9 ORE samples submitted SEP-21-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-01	70	
CL-92-02	55	
CL-92-03	9	
CL-92-04	21	
CL-92-05	336	351
CL-92-06	1269	1166
CL-92-07	62	
CL-92-08	215	
CL-92-09	123	

Au was determined using 1 AT fusions

Certified by Norma Gardner

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Geochemical Analysis Certificate

2W-1040-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-02-92

We hereby certify the following Geochemical Analysis of 21 ROCK samples submitted SEP-25-92 by .

Sample Number	Au PPB
CL-92-011	437
CL-92-012	859/960
CL-92-013	470
CL-92-014	499
CL-92-016	9
CL-92-020	5
CL-92-022	2
CL-92-023	3
CL-92-024	17
CL-92-026	3
CL-92-027	Nil
CL-92-028	51/51
CL-92-029	Nil
CL-92-100	2
CL-92-101	2
CL-92-102	2
CL-92-104	5
CL-92-105	Nil
CL-92-106	125/123
CL-92-107	5
CL-92-108	111

Au was determined using 1 AT fusions

Certified by Donna Gardner

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Geochemical Analysis Certificate

2W-1039-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. Brereton

Date: SEP-29-92

We hereby certify the following Geochemical Analysis of 14 ROCK samples submitted SEP-28-92 by .

Sample Number	Au PPB	Au check PPB	Ag PPM	Bi PPM	Sb PPM
CL-92-30	24		0.3		
CL-92-31	69		0.2		
CL-92-32	10		0.1		
CL-92-33	79	93			
CL-92-34	199				
CL-92-35	14				
CL-92-36	329				
CL-92-37	75				
CL-92-38	58				
CL-92-39	185	185			
CL-92-40	771		0.5	22	71
CL-92-41	600		0.4	29	62
CL-92-42	51				
CL-92-43	675	662			

Certified by G. Leboul

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Geochemical Analysis Certificate

2W-1093-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-16-92

We hereby certify the following Geochemical Analysis of 37 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-44	54	
CL-92-45	60	
CL-92-46	24	
CL-92-47	Nil	
CL-92-48	Nil	
CL-92-49	Nil	
CL-92-50	10	
CL-92-51	67	103
CL-92-52	Nil	
CL-92-53	93	
CL-92-54	245	
CL-92-55	Nil	
CL-92-56	2	
CL-92-57	1509	1166
CL-92-58	717	
CL-92-59	2126	2400
CL-92-60	357	
CL-92-61	27	
CL-92-62	593	
CL-92-63	1639	
CL-92-64	21	
CL-92-65	41	
CL-92-111	3	
CL-92-112	3	
CL-92-113	545	
CL-92-200	12	
CL-92-201	38	74
CL-92-202	7	
CL-92-203	10	
CL-92-204	Nil	

Au was determined using 1 AT fusions

Certified by Norma Gardner

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2W-1093-RG1

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Project: C1448
Attn: W. BRERETON

Date: OCT-16-92

We hereby certify the following Geochemical Analysis of 37 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-205	2	
CL-92-206	7	
CL-92-207	3	
CL-92-208	Nil	
CL-92-209	9	
CL-92-210	5	
CL-92-211	7	

Au was determined using 1 AT fusions

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2W-1094-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-20-92

We hereby certify the following Geochemical Analysis of 43 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB
CL-92-500	2
CL-92-501	2
CL-92-502	7
CL-92-504	26
CL-92-505	5
CL-92-506	77/82
CL-92-507	17
CL-92-508	87
CL-92-509	9
CL-92-510	19
CL-92-511	17
CL-92-512	19
CL-92-513	5
CL-92-514	48
CL-92-515	106/103
CL-92-516	29
CL-92-517	9
CL-92-518	Nil
CL-92-519	291/294
CL-92-520	17
CL-92-521	123/111
CL-92-522	10
CL-92-523	33
CL-92-524	10
CL-92-525	26
CL-92-526	24
CL-92-527	10
CL-92-528	19
CL-92-529	9
CL-92-530	Nil

Au was determined using 1 AT fusions

Certified by Norma Hardman

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Attn: W. BRERETON

Date: OCT-20-92

We hereby certify the following Geochemical Analysis of 43 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB
CL-92-531	Nil
CL-92-532	Nil
CL-92-533	17
CL-92-534	10
CL-92-535	9
CL-92-536	9
CL-92-537	9
CL-92-538	17
CL-92-539	5
CL-92-540	74/103
CL-92-541	Nil
CL-92-542	9
CL-92-543	3

Au was determined using 1 AT fusions

Certified by Donna Hendrix

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2W-1095-RG1

Company: **MPH CONSULTING LTD**
Project: C1448
Attn: W. BRERETON

Date: OCT-22-92

We hereby certify the following Geochemical Analysis of 70 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB
CL-92-550	3
CL-92-551	3
CL-92-552	3
CL-92-553	2
CL-92-554	2
CL-92-555	Nil
CL-92-556	2
CL-92-557	158/168
CL-92-558	2
CL-92-559	7
CL-92-560	3
CL-92-561	2
CL-92-562	3
CL-92-563	3
CL-92-564	Nil/2
CL-92-565	2
CL-92-566	10
CL-92-567	Nil
CL-92-568	7
CL-92-569	Nil
CL-92-570	3
CL-92-571	2
CL-92-572	24
CL-92-573	34
CL-92-574	5
CL-92-575	3
CL-92-576	Nil
CL-92-577	14
CL-92-578	3
CL-92-579	19/17

Au was determined using 1 AT fusions

Certified by Donna Hawkins

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Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-22-92

We hereby certify the following Geochemical Analysis of 70 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB
CL-92-580	31
CL-92-581	26
CL-92-582	14
CL-92-583	33
CL-92-584	46
CL-92-585	86/79
CL-92-586	57
CL-92-587	74
CL-92-588	12
CL-92-600	108
CL-92-600A	490/525
CL-92-601	105
CL-92-602	2
CL-92-603	Nil
CL-92-604	15
CL-92-605	38
CL-92-606	10
CL-92-607	3
CL-92-608	9
CL-92-609	5
CL-92-610	7
CL-92-611	Nil
CL-92-612	63/62
CL-92-613	7
CL-92-614	2
CL-92-615	7
CL-92-616	10
CL-92-617	5
CL-92-618	10
CL-92-619	27

Au was determined using 1 AT fusions

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Date: OCT-22-92

We hereby certify the following Geochemical Analysis of 70 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB
CL-92-620	3
CL-92-621	5
CL-92-622	10
CL-92-623	9
CL-92-624	82
CL-92-625	3
CL-92-626	5
CL-92-627	31
CL-92-628	331/326
CL-92-629	135

Au was determined using 1 AT fusions

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2W-1097-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-22-92

We hereby certify the following Geochemical Analysis of 52 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-650	10	
CL-92-651	24	
CL-92-652	17	
CL-92-653	1089	1063
CL-92-654	629	
CL-92-655	65	
CL-92-666	137	123
CL-92-667	Nil	
CL-92-668	123	
CL-92-669	50	
CL-92-670	26	
CL-92-671	22	
CL-92-672	10	
CL-92-673	86	
CL-92-674	82	
CL-92-675	154	
CL-92-676	406	417
CL-92-677	87	
CL-92-678	2	
CL-92-679	Nil	
CL-92-680	27	
CL-92-681	48	
CL-92-682	26	
CL-92-683	12	
CL-92-684	3	
CL-92-700	36	
CL-92-701	39	
CL-92-702	72	69
CL-92-703	43	
CL-92-704	Nil	

Au was determined using 1 AT fusions

Certified by Norma Gardner

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Geochemical Analysis Certificate

2W-1097-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-22-92

We hereby certify the following Geochemical Analysis of 52 ROCK samples submitted OCT-14-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-705	Nil	
CL-92-706	53	
CL-92-707	19	
CL-92-708	5	
CL-92-709	24	
CL-92-710	26	
CL-92-711	15	
CL-92-712	67	69
CL-92-713	50	
CL-92-714	38	
CL-92-715	19	
CL-92-716	3	
CL-92-717	Nil	
CL-92-718	21	
CL-92-750	7	
CL-92-751	2	
CL-92-752	2	
CL-92-753	2	
CL-92-754	3	
CL-92-755	63	
CL-92-756	118	123
CL-92-757	12	

Au was determined using 1 AT fusions

Certified by Donna Gardiner

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Geochemical Analysis Certificate

2W-1125-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 44 ROCK samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB	Ag PPM	Mo PPM	Pb PPM
CL-92-66	2				
CL-92-67	nil				
CL-92-68	nil				
CL-92-69	19				
CL-92-70	10				
CL-92-71	681	737			
CL-92-72	194				
CL-92-73	46				
CL-92-74	264	243			
CL-92-75	91				
CL-92-76	288				
CL-92-77	281				
CL-92-78	315				
CL-92-79	218				
CL-92-80	782	778			
CL-92-81	17				
CL-92-82	29				
CL-92-83	17				
CL-92-84	10				
CL-92-85	nil				
CL-92-86	2				
CL-92-87	nil				
CL-92-88	3				
CL-92-89	2				
CL-92-90	nil				
CL-92-91	617	627			
CL-92-92	552	531			
CL-92-93	132				
CL-92-94	225				
CL-92-95	201				

Au was determined using 1 AT fusions

Certified by G. Leboi

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Geochemical Analysis Certificate

2W-1125-RG1

Company: **MPH CONSULTING LTD**
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 44 ROCK samples submitted OCT-26-92 by .

Sample Number		Au PPB	Au check PPB	Ag PPM	Mo PPM	Pb PPM
CL-92-96		214		0.3	114	3
CL-92-97		135		0.3	13	5
CL-92-98		21		0.2	7	1
CL-92-99		108		0.3	103	4
CL-92-400		5				
CL-92-401		991	970			
CL-92-402		19				
CL-92-403		17				
CL-92-404		10				
CL-92-405		nil				
CL-92-406		nil				
CL-92-407		24	24			
CL-92-408		15				
CL-92-409	P & MET					
CL-92-410		75				

Au was determined using 1 AT fusions

Certified by G. Gibbs

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Metallic Assay Certificate

2W-1126-RM1

Company: **MPH CONSULTING LTD**

Date: OCT-29-92

Project: C1448

Attn: W. BRERETON

We hereby certify the following Metallic Assay of 4 ROCK samples submitted OCT-26-92 by .

Sample Number	Total Wt (g)	+100 M Wt (g)	Assay Value Au +100(g/t)	Assay Value Au -100(g/t)	Total Weight Au +100(mg)	Total Weight Au -100(mg)	Metallic Au (oz/ton)	Metallic Au (g/t)	Net Au (oz/ton)	Net Au (g/t)
CL-92-115	1438.57	15.87	0.61	0.44	0.010	0.626	0.000	0.01	0.013	0.44
CL-92-116	976.00	20.30	1.38	1.18	0.028	1.128	0.001	0.03	0.035	1.18
CL-92-409	1365.42	37.22	0.06	0.10	0.002	0.133	0.000	0.00	0.003	0.10
CL-92-963	1851.92	38.52	0.07	0.14	0.003	0.254	0.000	0.00	0.004	0.14

Certified by _____

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Geochemical Analysis Certificate

2W-1127-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 17 ROCK samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB	Ag PPM	Mo PPM	Pb PPM
CL-92-950	223				
CL-92-951	135	137			
CL-92-952	118				
CL-92-953 not rec'd					
CL-92-954	98				
CL-92-955	151	168			
CL-92-956	2				
CL-92-957	nil				
CL-92-958	2				
CL-92-959	nil				
CL-92-960	2				
CL-92-961	nil				
CL-92-962	nil				
CL-92-963 P & Met					
CL-92-964	2229	2194	0.7	123	4
CL-92-965	792	807	0.4	39	9
CL-92-960A	7				
CL-92-962A	3				
Cl-92-621A	33				

Au was determined using 1 AT fusions

Certified by G. Thom

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Geochemical Analysis Certificate

2W-1128-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-29-92

We hereby certify the following Geochemical Analysis of 61 ROCK samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-112 not rec'd		
CL-92-113 not rec'd		
CL-92-114	nil	nil
CL-92-800	nil	
CL-92-801	21	
CL-92-802	21	
CL-92-803	3	
CL-92-804	nil	
CL-92-805	3	
CL-92-806	10	
CL-92-807	12	
CL-92-808	5	
CL-92-809	19	
CL-92-810	31	
CL-92-811	2	
CL-92-812	14	9
CL-92-813	9	
CL-92-814	nil	
CL-92-815	9	
CL-92-816	7	
CL-92-817	2	
CL-92-850	29	
CL-92-851	33	
CL-92-852	2	
CL-92-853	3	
CL-92-854	14	
CL-92-855	5	
CL-92-856	15	
CL-92-857	25	
CL-92-858	103	103

Au was determined using 1 AT fusions

, *Certified by* G. Leblanc

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Geochemical Analysis Certificate

2W-1128-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-29-92

We hereby certify the following Geochemical Analysis of 61 ROCK samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-859	240	225
CL-92-860	39	
CL-92-861	7	
CL-92-862	nil	
CL-92-863	3	
CL-92-864	nil	
CL-92-900	nil	
CL-92-901	5	
CL-92-902	19	
CL-92-903	5	
CL-92-904	9	
CL-92-905	22	
CL-92-906	9	
CL-92-907	22	
CL-92-908	57	
CL-92-909	89	
CL-92-910	62	63
CL-92-911	5	
CL-92-912	5	
CL-92-913	nil	
CL-92-914	7	
CL-92-915	3	
CL-92-916	3	
CL-92-917	17	
CL-92-918	5	
CL-92-919	586	557
CL-92-920	225	
CL-92-921	nil	
CL-92-922	178	168
CL-92-923	62	

Au was determined using 1 AT fusions

Certified by G. Leborl

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2W-1128-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-29-92

We hereby certify the following Geochemical Analysis of 61 ROCK samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-924	29	
CL-92-925	425	348
CL-92-818	nil	

Au was determined using 1 AT fusions

Certified by G. Gibbs

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Geochemical Analysis Certificate

2W-1129-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB	Mo PPM
00-6+50S-A	103	94	
00-6+50S-B	25	21	
00-6+50S-C	9		
00-7+50S	5		
2W-5S	3		2
2W-5+50S	5		1
2W-6S	2		1
2W-6+50S	9		2
2W-7S	2		2
2W-7+50S	9		2
2W-8S	8		1
2E-5E	3		
2E5+50S	16	15	
2E-6S	10		
2E-6+50S	7		
2E-7S	2		
2E-7+50S	1		
2E-8S	3		
4W-5S	5		
4W-5+50S	3		
4W-6S	3		
4W-6+50S	3		
4W-7S	6		
4W7+50S	4		
4W-8S	10	5	
4W-8+50S	3		
6W-4+50S	4		
6W-5S	3		
6W-5+50S	4		
6W-6S	3		

Certified by G. Leboy

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2W-1129-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB	Mo PPM
6W-6+50S	3		
6W-7S	4		
6W-7+50S	6		
6W-8S	3		
6W-8+50S	3		
8W-4+50S	2	3	
8W-5S	2		
8W-5+50S	3		
8W-6S	2		
8W-6+50S	5		
8W-7S	4		
8W-7+50S	3		
8W-8S	2		
8W-8+50S	3		
8W-9S	3		
8E-12S	9		
8E-12+50S	11	9	
8E-13S	3		
8E-13+50S	3		
8E-14S	3		
8E-14+50S	9		
8E-15S	30	32	
8E-15+50S	3		
8E-16S	5		
8E-16+50S	6		
8E-17S	3		
8E-17+50S	3		
8E-18S	2		
8E-18+50S	7		
8E-19S	2		

Certified by G. Gibbs

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Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB	Mo PPM
8E-19+50S	3		
8E-20S	3		
8E-20+50S	3		
8E-21S	5		
8E-21+50S	9		
8E-22S	9		
8E-22+50S	3	5	
8E-23S	3		
12W-5S	2		
12+5+50S	3		
12W-6S	3		
12W-6+50S	12	12	
12W-7S	3		
12W-7+50S	3		
12W-8S	3		
12W-8+50S	3		
12W-9S	3		
12E-14S	3		
12E-14+50S	14	7	
12E-15S	3		
12E-15+50S	5		
12E-16S	8		
12E-16+50S	4		
12E-17S	5		
12E-17+50S	3		
12E-18S	9		
12E-18+50S	4		
12E-19S	12	15	
12E-19+50S	3		
12E-20S	4		

Certified by G. Leborg

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2W-1129-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: DEC-10-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted OCT-26-92 by .

Sample Number	Au PPB	Au check PPB	Mo PPM
12E-20+50S	7		
12E-21S	28	49	

Certified by G. Leborg

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Geochemical Analysis Certificate

2W-1017-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 85 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	Au check PPB	As PPM	Cu PPM
L12W-0+50N		10	7	8	13
L12W-1+00N		4		2	23
L12W-2+00N		4	4	4	30
L12W-3+00N	P				
L12W-4+00N	P				
L12W-5+00N		7		3	29
L12W-6+00N		2		4	26
L12W-BL		1		1	6
L12W-0+50S		5		4	30
L12W-1+00S		3		3	15
L12W-1+50S		3		4	24
L12W-2+00S		3		8	10
L12W-2+50S		3		<1	9
L12W-3+00S		3		6	5
L12W-3+50S		3		12	16
L12W-4+00S		4		5	17
L12W-4+50S		6		13	9
L12W-5+00S		6		5	29
L12W-5+50S		4		5	18
L12W-6+00S		4		11	7
L12W-6+50S		3		10	9
L12W-7+00S		3		10	10
L12W-7+50S		3		16	11
L12W-8+00S		1		8	5
L20W-1+00N		2		4	19
L20W-2+00N		6		4	8
L20W-2+50N	P				
L20W-3+00N	P				
L20W-3+50N	P				
L20W-4+00N		33	32	27	31

P indicates peat or humus samples

Certified by G. Gibbs

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Geochemical Analysis Certificate

2W-1017-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 85 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	Au check PPB	As PPM	Cu PPM
L20W-4+50N		3		13	5
L20W-5+00N		8		33	19
L20W-5+50N		6		6	10
L20W-6+00N		7	7	12	14
L20W-6+50N		2		8	7
L20W-7+00N		4		3	28
L20W-7+50N		3		9	32
L20W-8+00N		2		10	14
L20W-9+00N		3		10	9
L20W-W BL		2		5	33
L20W-1+00S		3		6	8
L20W-2+00S		3		11	9
L20W-3+00S		5		7	9
L20W-4+00S		5		9	23
L20W-5+00S		4		6	22
L20W-6+00S		3		12	11
L20W-7+00S		3		11	12
L20W-8+00S		13	22	8	15
L20W-9+00S		2		10	4
L52W BL		11	12	69	57
L52W-1N		3		10	14
L52W-2N		7		16	26
L52W-3N		3		25	23
L52W-4N		5		11	13
L52W-5N		3		5	7
L52W-6N		3		7	7
L52W-7N		3	3	6	11
L52W-8N		3		13	15
L52W-9N	P				
L52W-10N		3		15	10

P indicates peat or humus samples

Certified by _____

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Geochemical Analysis Certificate

2W-1017-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 85 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	Au check PPB	As PPM	Cu PPM
L52W-11N		2		6	9
L52W-12N		6		14	16
L52W-13N		9		10	10
L52W-14N		3		12	7
L52W 1S		3		18	15
L52W 2S		3	3	16	28
L52W 3S		5		30	37
L52W 4S		6		32	14
L52W 5S		8		10	19
L52W 6S		2		6	6
L52W 7S		6		18	33
L52W 8S		5		10	15
L52W 9S	P				
L52W 10S		6		9	28
L52W 11S		3		17	13
L52W 12S		3		10	19
L52W 13S		3		15	20
L52W 14S		6		7	14
L52W 15S		3		13	6
L52W 16S	P				
L60W 2S		4		7	15
L60W 3S		3		10	16
L60W 4S		3		6	13
L60W 5S		3		15	16
L60W 6S		3		3	12
L60W 7S		4	3	5	4
L60W 8S	P				
L60W 9S		4		14	11
L60W 10S		3		12	10
L60W 11S	P				

P indicates peat or humus samples

Certified by G. Leboe

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Geochemical Analysis Certificate

2W-1017-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 85 SOILS samples submitted SEP-21-92 by .

Sample Number	Au PPB	Au check PPB	As PPM	Cu PPM
L60W 12S	7		15	16
L60W 13S	3		6	12
L60W 14S	2		4	9
L60W 15S	3		6	9
L60W 16S	3		6	21

P indicates peat or humus samples

Certified by G. Gibbs

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Geochemical Analysis Certificate

2W-1018-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 90 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L72W BL		2/3	5	9
L72W 1N		3	4	7
L72W 2N		3	7	3
L72W 3N		3	14	5
L72W 4N		2	10	6
L72W 5N		2	10	6
L72W 6N	P			
L72W 7N	P			
L72W 8N	P			
L72W 9N	P			
L72W 10N		4	<1	20
L72W 1S		3/3	9	22
L72W 2S	P			
L72W 3S	P			
L72W 4S	P			
L72W 5S		3	8	14
L72W 6S		5/3	5	9
L72W 7S		5	7	31
L72W 8S		3	12	12
L72W 9+00S		5	6	8
L72W 10+00S		3	8	9
L72W 11+00S		3	7	11
L72W 12+00S		2	9	12
L72W 13+00S		3	3	6
L72W 14+00S		7	9	8
L72W 15+00S		2	16	10
L72W 16+00S		6/5	15	9
L72W 17+00S	P			
L84W 5+00S		3	3	5
L84W 6+00S		5	4	6

P indicates peat or humus samples

Certified by G. Leborf

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Geochemical Analysis Certificate

2W-1018-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 90 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L84W 7+00S		3	9	11
L84W 8+00S		2	9	10
L84W 9+00S		4	8	9
L84W 9+50S		3/3	10	11
L84W 10+00S		3	5	12
L84W 10+50S		4	7	17
L84W 11+00S		8	12	10
L84W 11+50S		3	3	16
L84W 12+00S		6	9	5
L84W 12+50S		4	9	13
L84W 13+00S		3	14	11
L84W 13+50S		4	6	9
L84W 14+00S		3	8	4
L84W 14+50S		3	17	9
L84W 15+00S		3	8	8
L84W 15+50S		5/7	11	14
L84W 16+00S		3	23	11
L96W 8+00S		5	12	49
L96W 9+00S		4	18	7
L96W 10+00s		3	5	12
L96W 11+00s		2	9	14
L96W 12+00S		3	13	11
L96W 12+50S		1	15	9
L96W 13+00S		3	13	20
L96W 13+50S		4/6	6	19
L96W 14+00S	P			
L96W 14+50S		3	10	24
L96W 15+00S		2	17	9
L96W 15+50S		3	11	13
L96W 16+00S		5	13	12

P indicates peat or humus samples

Certified by G. Leboe

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Geochemical Analysis Certificate

2W-1018-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 90 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L96W 16+50S		3	11	19
L96W 17+00S		9	7	8
L144W BL		3	9	18
L144W 50N		8	21	10
L144W 100N		3	4	23
L144W 150N	P			
L144W 200N	P			
L144W 250N	P			
L144W 300N	P			
L144W 400N		3	7	15
L144W 450N		2/2	<1	8
L144W 500N		nil	11	3
L144W 550N		1	9	9
L144W 50S		1	10	18
L144W 100S		1	9	7
L144W 150S		2	8	12
L144W 200S		2	16	9
L144W 300S		2	13	55
L144W 350S		1	13	9
L144W 400S		2	5	6
L144W 450S		3	8	12
L144W 500S		4/3	7	10
L144W 550S	P			
L144W 600S	P			
L144W 650S	P			
L144W 700S	P			
L144W 750S		3/3	4	35
L144W 800S		2	5	48
L144W 850S	NO RECD			
L144W 900S		1	9	23

P indicates peat or humus samples

Certified by G. Leborl

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Geochemical Analysis Certificate

2W-1018-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 90 SOILS samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L144W 950S		3	8	38
L144W 1000S		3	10	10
L144W 1050S		3	9	12
L144W 1100S		3/2	10	16
L144W 1150S		3	7	11
L144W 1200S		2	8	50
L144W 1250S		2	4	5
L144W 1300S		2	8	13
L144W 1350S		2	4	7
L144W 1400S		2	2	10
L144W 1450S		4	5	9
L144W 1500S		2	<1	19
L144W 1550S		2/2	9	9
L144W 1600S		3	11	25
L144W 1650S		3	10	16
L144W 1700S		2	17	23
L144W 1750S		nil	8	17
L144W 1800S		2	2	22
L144W 1850S	P			
L144W 1900S	P			

P indicates peat or humus samples

Certified by G. Leb

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Geochemical Analysis Certificate

2W-1023-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L0+00-0+00	2	2	6
L0+00-1+00 N	5/3	9	6
L0+00-2+00N	3	6	3
L0+00-3+00N	2	11	4
L0+00-4+00N	1	7	4
L0+00-6+00N	3	9	21
L0+00-7+00N	3	9	8
L0+00-8+00N	5	24	16
L0+00-9+00 N	5/4	41	28
L0+00-10+00N	3	7	9
L0+00-11+00N	2	9	10
L0+00-12+00N	3	10	4
L0+00-13+00N	3	8	5
L0+00-14+00N	4	7	30
L0+00-15+00N	3	9	6
L0+00-16+00N	3	9	9
L0+00-1+00S	2	9	4
L0+00-2+00S	2	10	12
L0+00-4+00S	3	11	9
L0+00-5+00S	2	8	6
L0+00-6+00S	2	17	18
L0+00-7+00S	179/229	129	4
L4E-13+00S	3	10	10
L4E-13+50S	3	<1	4
L4E-14+00S	6	11	26
L4E-14+50S	3	10	14
L4E-15+00S	2	7	7
L4E-15+50S	3	11	8
L4E-16+00S	3	8	6
L4E-16+50S	2	9	9

P indicates peat or humus samples

Certified by G. Eckstrand

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Geochemical Analysis Certificate

2W-1023-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L4E-17+00S		10	4	12
L4E-17+50S		3	14	6
L4E-18+00S		3	11	5
L4E-18+50S		4	26	9
L4E-19+00S	P			
L4E-19+50S	P			
L4E-20+00S		5	4	8
L4E-21+00S		5/6	8	14
L4E-22+00S		8	13	8
L4E-23+00S		15	14	8
L4E-24+00S		6	13	19
L16E-12+00S	P			
L16E-13+00S		7	11	12
L16E-14+00S		3	3	5
L16E-14+50S		8	8	15
L16E-15+00S		18/22	13	20
L16E-15+50S		10	11	3
L16E-16+00S		4	3	7
L16E-16+50S		16	4	5
L16E-17+00S		9	9	11
L16E-17+50S		17	6	11
L16E-18+00S		21/14	15	17
L16E-18+50S		4	9	6
L16E-19+00S		9	12	12
L16E-19+50S		5	12	10
L16E-20+00S		5	12	10
L16E-20+50S		9	8	9
L16E-21+00S		6	11	8
L16E-21+50S		11/15	16	6
L16E-22+00S		6	8	7

P indicates peat or humus samples

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Geochemical Analysis Certificate

2W-1023-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L16E-22+00S NOT REC			
L16E-23+00S	33/21	31	12
L16E-24+00S	6	8	7
L16E-25+00S	8	11	7
L32E-1+50N P			
L32E-2+00N	5	11	15
L32E-2+50N	7	18	14
L32E-3+00N	5	<1	3
L32E-3+50N	4	14	16
L32E-4+00N	3	6	12
L32E-4+50N	3	10	9
L32E-5+00N	3	7	5
L32E-5+50N	7	10	14
L32E-6+00N	5	10	13
L32E-6+50N	6	7	12
L32E-7+00N	3	7	15
L32E-10+50N P			
L32E-11+00N	4/4	41	45
L32E-12+00N	7	62	65
L32E-12+50N	2	61	12
L32E-13+00N	1	8	9
L32E-14+00N	2	16	17
L32E-15+00N	2	13	4
L32E-16+00N	5/3	21	22
L32E-17+00N	1	5	4
L32E-18+00N	3	<1	14
L32E-19+00N	2	1	7
L32E-20+00N	8	4	17
L32E-21+00N	1	6	5
L32E-22+00N	9	10	19

P indicates peat or humus samples

Certified by G. Leborf

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Geochemical Analysis Certificate

2W-1023-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 92 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L32E-23+00N	13	3	12
L32E-24+00N	2	4	11
L32E-25+00N	3	11	8
L32E-26+00N	8	3	6
L32E-27+00N	3	8	17
L32E-28+00N	3	4	12
L32EBL	9	18	22
L32E-1+00S	29/26	29	53

P indicates peat or humus samples

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2W-1025-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 96 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L32E-2+00S		16	37	65
L32E-3+00S		2	44	83
L32E-4+00S		7	11	37
L32E-5+00S		9	13	12
L32E-6+00S		3	20	21
L32E-7+00S		2	12	8
L32E-8+00S		11/13	18	70
L36E-12+00S	P			
L36E-12+50S	P			
L36E-13+00S	P			
L36E-13+50S		7	5	9
L36E-14+00S		2	8	6
L36E-14+50S		1	13	4
L36E-15+00S		3	11	8
L36E-15+50S		3	8	5
L36E-16+00S		1	11	9
L36E-16+50S		2	5	5
L36E-17+00S		3/6	11	6
L36E-17+50S		3	9	4
L36E-18+00S		1	8	11
L36E-18+50S		4	10	3
L36E-19+00S		1	8	5
L36E-19+50S		5	15	8
L36E-20+00S		6	13	12
L36E-20+50S		4	13	5
L36E-21+00S		7	17	26
L44E-0+00N	P			
L44E-0+50N		21/13	2	31
L44E-1+00N		5	16	12
L44E-1+50N		2	5	4

P INDICATES PEAT OR HUMUS SAMPLES

Certified by G. Leborf

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2W-1025-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 96 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L44E-2+00N		5	12	11
L44E-2+50N		3	16	9
L44E-3+00N		4	16	5
L44E-3+50N		3	9	5
L44E-5+00N		3	12	5
L44E-6+00N		8/5	41	25
L44E-7+00N		12	27	10
L44E-8+00N		4	10	10
L44E-9+00N		3	18	10
L44E-10+00N		2	7	8
L44E-11+00N		3	9	6
L44E-0+50S	P			
L44E-1+00S		4	15	5
L44E-1+50S		3	16	6
L44E-2+00S		4	11	6
L44E-3+00S		2	11	7
L44E-4+00S		3	6	3
L44E-5+00S		3	30	25
L44E-6+00S		2	7	10
L44E-7+00S		3/5	17	28
L44E-8+00S		3	12	6
L48E-8+00S		7	14	21
L48E-9+00S		1	5	7
L48E-10+00S		2	10	3
L48E-11+00S		9/8	10	20
L48E-11+50S	P			
L48E-12+00S	P			
L48E-12+50S	P			
L48E-13+00S		3	13	7
L48E-13+50S		3	8	7

P INDICATES PEAT OR HUMUS SAMPLES

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Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 96 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L48E-14+00S		5	7	7
L48E-14+50S		2	9	4
L48E-15+00S		2	12	5
L48E-15+50S		1	9	3
L48E-16+00S		1	17	7
L48E-16+50S		1	6	4
L48E-17+00S		1	9	9
L48E-17+50S		4	17	19
L48E-18+00S		1	6	4
L48E-19+00S		4	11	4
L48E-20+00S		1	8	6
L48E-21+00S		1	4	4
L48E-22+00S		2/2	10	12
L48E-23+00S	P			
L48E-24+00S	P			
L48E-25+00S	p			
L48E-26+00S		2	15	20
L48E-27+00S		1	4	4
L52E-BL		2	12	4
L52E-50N		2	11	4
L52E-100N		6	15	8
L52E-150N		1	5	4
L52E-200N		9	18	17
L52E-300N		2/3	10	5
L52E-400N		2	6	4
L52E-500N		2	8	8
L52E-600N		1	5	7
L52E-700N		1	6	4
L52E-800N		3/4	52	85
L52E-900N		4	27	17

P INDICATES PEAT OR HUMUS SAMPLES

Certified by G. Leb

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Geochemical Analysis Certificate

2W-1025-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 96 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L52E-1000N	3	10	2
L52E-1100N	3	14	15
L52E-0+50S	8/5	32	11
L52E-1+00S	2	13	5
L52E-1+50S	3	11	5
L52E-2+00S	5	34	14
L52E-2+50S	3	11	6
L52E-3+00S	4	17	15
L52E-3+50S	3	15	4
L52E-4+00S	3	21	10
L52E-4+50S	2	7	4
L52E-5+00S	2	5	4
L52E-5+50S	2	7	3
L52E-6+00S	12/11	137	70
L52E-6+50S		10	6
L52E-7+00S	2	10	4
L52E-7+50S	2	3	3

P INDICATES PEAT OR HUMUS SAMPLES

Certified by G. Leboe

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Geochemical Analysis Certificate

2W-1026-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 59 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L52E-8+00S		1	2	4
L52E-16S		1	6	3
L52E-16+50S		3	<1	2
L52E-17S		2	6	6
L52E-17+50S		4	11	6
L52E-18S		11/5	9	7
L52E-18+50S		3	8	5
L52E-19S		3	10	4
L52E-19+50S		8	11	4
L52E-20S		3	3	5
L52E-20+50S		4	8	11
L52E-21S		2	10	2
L52E-21+50S		7	10	6
L52E-22S		6	8	4
L52E-22+50S		19/17	11	18
L52E-23S	P			
L52E-23+50S	P			
L52E-24S		2	<1	1
L52E-24+50S		6	13	7
L52E-25S		6	3	3
L52E-25+50S		7	6	6
L52E-26S		4	4	13
L60E-1+00S		3	<1	9
L60E-6+00S		3	8	6
L60E-6+50S		2	2	3
L60E-7+00S		23/27	41	3
L60E-7+50S		1	5	3
L60E-8+00S		9	25	29
L60E-8+50S		1	10	6
L60E-9+50S		1	2	4

P INDICATES PEAT OR HUMUS SAMPLES

Certified by G. Tebbutt

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Geochemical Analysis Certificate

2W-1026-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 59 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L60E-10+00S		2	<1	7
L60E-10+50S		1	2	5
L64E-1S		7	4	13
L64E-2S		6	4	17
L64E-3S		3	2	6
L64E-4S		3	<1	4
L64E-4+50S		3	1	4
L64E-5S		5	3	6
L64E-5+50S		5/10	3	9
L64E-6S	NOT RECD			
L64E-6+50S		6	6	7
L64E-7S		8	6	3
L64E-7+50S		3	<1	5
L64E-8S		8	51	26
L64E-8+50S		5	9	6
L64E-9S		10/8	27	24
L64E-9+50S		3	1	5
L64E-10S	P			
L64E-10+50S	P			
L64E-11S	P			
L64E-11+50S	not rec			
L64E-12S	P			
L64E-12+50S		3	<1	10
L64E-13S		2	<1	5
L64E-13+50S		3	3	19
L64E-14S		3	11	19
L64E-15S		15/15	3	9
L64E-16S		4	<1	7
L64E-17S		4	<1	1
L64E-18S		4	<1	6

P INDICATES PEAT OR HUMUS SAMPLES

Certified by G. Leboy

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Geochemical Analysis Certificate

2W-1026-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 59 SOIL samples submitted SEP-21-92 by .

Sample Number		Au PPB	As PPM	Cu PPM
L64E-19S		2	<1	6
L64E-20S		3	6	4
L64E-21S		4/3	2	5
L64E-22S	P			
L64E-23S	P			
L64E-24S	P			
L64E-25S		5/5	2	15
L64E-26S		7	2	7
L64E-27S	P			
L64E-28S	P			
L64E-29S		3	2	1
L64E-30S		3	9	9
L64E-31S	P			

P INDICATES PEAT OR HUMUS SAMPLES

Certified by G. Leborg

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Geochemical Analysis Certificate

2W-1027-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 67 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L68E-3+50S	2	<1	8
L68E-4+00S	1	<1	4
L68E-4+50S	2	4	5
L68E-5+00E	3	2	6
L68E-5+50S	1	<1	3
L68E-6+00S	3	1	8
L68E-6+50S	3	2	9
L68E-7+00S	2	<1	53
L68E-7+50S	7	1	23
L68E-8+00S	4	23	12
L68E-8+50S	1	<1	6
L68E-9+00S	7/5	21	23
L68E-9+50S	3	<1	12
L72E-4+00S P			
L72E-4+50S	2	2	10
L72E-5+00S	3	<1	10
L72E-5+50E	1	2	7
L72E-6+00S	2	8	10
L72E-6+50S	Nil	9	6
L72E-7+00S	3/3	<1	6
L72E-7+50S	1	10	13
L72E-9+50S	2	<1	11
L72E-10+00S	1	11	6
L72E-10+50S	1	<1	5
L72E-11+00S	5	<1	5
L72E-15+00S	1	3	10
L72E-15+50S	3/4	6	17
L72E-16+00S	1	26	4
L72E-16+50S	4	1	13
L72E-17+00S	3	8	21

P indicates peat or humus samples

Certified by G. Leboe

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Geochemical Analysis Certificate

2W-1027-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 67 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L72E-17+50S	2	5	7
L72E-18+00S	Nil	1	7
L72E-18+50S	Nil	3	4
L72E-19+00S	Nil	16	24
L72E-19+50S	2	5	7
L72E-20+00S	1	7	4
L72E-20+50S	1	7	5
L72E-21+00S	1	28	14
L72E-21+50S	2	8	8
L72E-22+00S	5/10	29	43
L72E-22+50S	1	6	5
L72E-23+00S	1	<1	6
L72E-23+50S	2/3	7	8
L72E-24+00S	1	6	4
L60E-0+00	2	14	8
L60E-2+00S	3	2	10
L60E-3+00S	1	6	6
L60E-3+50S	1	3	3
L60E-4+00S	3	13	12
L60E-4+50S	3	15	14
L60E-5+00S	7/3	18	22
L60E-5+50S	4	8	27
L60E-11+00S P			
L80E-4+00S	3	16	41
L80E-4+50S	3	14	4
L80E-5+00S	2	16	6
L80E-5+50S	2	<1	3
L80E-6+00S	4	21	16
L80E-6+50S	2	14	18
L80E-7+00S	9/12	12	3

P indicates peat or humus samples

Certified by G. Leboe

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

2W-1027-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: P. SOBIE

Date: NOV-04-92

We hereby certify the following Geochemical Analysis of 67 SOIL samples submitted SEP-21-92 by .

Sample Number	Au PPB	As PPM	Cu PPM
L80E-7+50S	7	18	8
L80E-8+00S	2	7	5
L80E-8+50E	4	8	16
L80E-9+00S	2/3	11	8
L80E-9+50S	3	4	5
L80E-10+00S	1	17	14
L80E-10+50S	2	<1	10
L80E-11+00S	3	3	10
L80E-11+50S	3	2	5

P indicates peat or humus samples

Certified by G. Leboe

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Assaying - Consulting - Representation

Geochemical Analysis Certificate

2W-1149-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-11-92

We hereby certify the following Geochemical Analysis of 82 SOILS samples submitted NOV-04-92 by .

Sample Number	Au PPB	Au check PPB
LO-13+00S	3	
LO-14+00S	1	
LO-15+00S	3	
LO-16+00S	2	
LO-17+00S	6	
LO-18+00S	1	
LO-19+00S	3	
LO-20+00S	2	
LO-21+00S	14	9
LO-22+00S	4	
LO-23+00S	2	
LO-24+00S	9	
LO-25+00S	3	
LO-26+00S	2	
LO-27+00S	9	
LO-28+00S	4	
LO-29+00S	9	
LO-30+00S	2	
LO-31+00S	10	
LO-32+00S	9	
L8E-24+00S	1	
L8E-25+00S	10	10
L8E-26+00S	5	
L8E-27+00E ??	3	
L8E-28+00S	2	
L8E-30+00S	12	
L8E-31+00S	3	
L8E-32+00S	3	
L12E-12+00S	4	
L12E-12+50S	3	

One assay ton used

Certified by G. Leboul

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Geochemical Analysis Certificate

2W-1149-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-11-92

We hereby certify the following Geochemical Analysis of 82 SOILS samples submitted NOV-04-92 by .

Sample Number	Au PPB	Au check PPB
L12E-13+00S	2	
L12E-13+50S	7	
L12E-14+00S	2	
L12E-14+50S	5	
L12E-15+00S	2	
L12E-15+50S	9	
L12E-16+00S	12	
L12E-16+50S	3	
L12E-17+00S	5	7
L12E-17+50S	6	
L12E18+00S	4	
L12E-18+50S	12	
L12E-19+00S	14	15
L12E-19+50S	3	
L12E-20+00S	2	
L12E-20+50S	10	
L12E-21+00S	17	
L12E-21+50S	12	12
L12E-22+00S	5	
L20E-11+00S	3	
L20E-11+50S	3	
L20E-12+00S	10	
L20E-12+505	3	
L20E-13+00S	3	
L20E-13+50S	3	
L20E-14+00S	1	
L20E-14+50S	3	
120E-15+00S	2	2
L20E-15+50S	2	
L20E-16+00S	9	

One assay ton used

Certified by G. Leboul

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Geochemical Analysis Certificate

2W-1149-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-11-92

We hereby certify the following Geochemical Analysis of 82 SOILS samples submitted NOV-04-92 by .

Sample Number	Au PPB	Au check PPB
L20E-16+50S	3	
L20E-17+00S	4	3
L20E-17+50S	6	
L20E-18+00S	9	
L20E-18+50S	6	
L20E-19+00S	14	
L20E-19+50S	11	
L20E-20+00S	5	
L20E-20+50S	11	
L20E-21+00S	12	12
L20E-21+50S	9	
L20E-22+00S	19	
L20E-22+50S	15	
L20E-23+00S	3	
L20E-24+00S	78	76
L20E-25+00S	1	
L20E-26+00S	11	
L20E-27+00S	1	
L20E-28+00S	6	
L20E-29+00S	3	
L20E-30+00S	1	
L20E-31+00S	7	

One assay ton used

Certified by G. Thomas

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Geochemical Analysis Certificate

2W-1148-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-10-92

We hereby certify the following Geochemical Analysis of 35 ROCK SAMPLES samples submitted NOV-04-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-411	84	79
CL-92-412	41	
CL-92-413	46	
CL-92-414	33	
CL-92-415	122	
CL-92-416	57	
CL-92-417	363	326
CL-92-418	12	
CL-92-419	202	
CL-92-420	31	
CL-92-421	223	206
CL-92-422	62	
CL-92-423	24	
CL-92-424	22	
CL-92-425	12	
CL-92-426	2	
CL-92-427	nil	
CL-92-428	nil	
CL-92-429	nil	
CL-92-430	2	
CL-92-431	nil	
CL-92-432	5	
CL-92-433	3	
CL-92-434	57	51
CL-92-435	3	
CL-92-436	7	
CL-92-437	10	
CL-92-438	nil	
CL-92-439	7	
CL-92-440	7	

ONE ASSAY TON USED

Certified by G. Thomas

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Geochemical Analysis Certificate

2W-1148-RG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-10-92

We hereby certify the following Geochemical Analysis of 35 ROCK SAMPLES samples submitted NOV-04-92 by .

Sample Number	Au PPB	Au check PPB
CL-92-441	34	
CL-92-442	nil	
CL-92-110	147	199
CL-92-117	nil	
CL-92-118	nil	
CL-92-119	2	

ONE ASSAY TON USED

Certified by G. Leb

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB
CL-80-W-BL	3	
-0+50S	3	
-0+50N	6	
-1+00S	3	
-1+00N	3	
-1+50S	3	
-1+50N	4	5
-2+00S	1	
-2+00N	2	
-2+50S	3	
-2+50N	3	
-3+00S	7	10
-3+00N	5	
CL-84-W-BL	5	
-0+50S	1	
-0+50N	3	
-1+00S	3	
-1+00N	3	
-1+50S	3	
-1+50N	3	
-2+00S	6	
-2+00N	4	
-2+50S	9	
-2+50N	9	
-3+00S	13	9
CL-88-W-0+00-BL	4	
-0+50S	1	
-0+50N	3	
-1+00S	3	
-1+00N	3	

One assay ton fusions used

Certified by G. Pelletier

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB
-1+50S	9	
-1+50N	4	
-2+00S	4	
-2+00N	3	
-2+50S	21	24
-3+00S	6	
CL-92-W-BL	3	
-0+50S	3	
-0+50N	4	
-1+00S	4	
-1+00N	3	
-1+50S	4	
-2+00S	4	
-2+50S	3	
-3+00S	4	
-3+50S	7	7
CL-100-W-BL	3	
-0+50S	4	
-1+00S	10	
-1+50S	3	
-2+00S	3	
-2+50S	6	
-3+50S	7	
-4+00S	3	
-4+50S	3	
-5+00S	5	10
-5+50S	1	
-6+00S	1	
-6+50S	4	
-7+00S	2	

One assay ton fusions used

Certified by G. Pelletier

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB
-8+00S	3	
CL-124-W-BL	2	
-1+00N	3	
-2+00N	2	
-3+00N	8	7
-4+00N	5	
-5+00S	3	
-5+00N	3	
-6+00S	2	
-6+00N	3	
-7+00S	2	
-7+00N	1	
-8+00S	2	
-8+00N	1	
-9+00S	3	
-9+00N	2	2
-10+00S	3	
-10+00N	2	
-11+00S	5	
-11+00N	2	
-12+00S	1	
-12+00N	1	
-13+00S	2	
-13+00N	2	
-14+00S	1	
-14+00N	2	
-15+00N	3	
-16+00N	2	5
-17+00S	3	
-17+00N	2	

One assay ton fusions used

Certified by G. Leh

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB
-18+00S	1	
-18+00N	1	
-19+00S	3	
-20+00S	3	
-21+00S	2	

One assay ton fusions used

Certified by G. Leb

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB	Arsenic PPM
CL-80-W-BL	3		2
-0+50S	3		1
-0+50N	6		2
-1+00S	3		2
-1+00N	3		2
-1+50S	3		3
-1+50N	4	5	4
-2+00S	1		3
-2+00N	2		3
-2+50S	3		2
-2+50N	3		2
-3+00S	7	10	3
-3+00N	5		1
CL-84-W-BL	5		2
-0+50S	1		2
-0+50N	3		1
-1+00S	3		2
-1+00N	3		2
-1+50S	3		190
-1+50N	3		2
-2+00S	6		24
-2+00N	4		2
-2+50S	9		270
-2+50N	9		2
-3+00S	13	9	12
CL-88-W-0+00-BL	4		3
-0+50S	1		3
-0+50N	3		3
-1+00S	3		4
-1+00N	3		2

One assay ton fusions used

Certified by G. Tebo

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB	Arsenic PPM
-1+50S	9		5
-1+50N	4		130
-2+00S	4		7
-2+00N	3		2
-2+50S	21	24	27
-3+00S	6		7
CL-92-W-BL	3		2
-0+50S	3		3
-0+50N	4		3
-1+00S	4		1
-1+00N	3		3
-1+50S	4		3
-2+00S	4		3
-2+50S	3		2
-3+00S	4		2
-3+50S	7	7	3
CL-100-W-BL	3		4
-0+50S	4		5
-1+00S	10		6
-1+50S	3		2
-2+00S	3		8
-2+50S	6		6
-3+50S	7		9
-4+00S	3		5
-4+50S	3		4
-5+00S	5	10	13
-5+50S	1		5
-6+00S	1		3
-6+50S	4		3
-7+00S	2		3

One assay ton fusions used

Certified by G. Leboul

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2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB	Arsenic PPM
-8+00S	3		2
CL-124-W-BL	2		
-1+00N	3		
-2+00N	2		
-3+00N	8	7	
-4+00N	5		
-5+00S	3		
-5+00N	3		
-6+00S	2		
-6+00N	3		
-7+00S	2		
-7+00N	1		
-8+00S	2		
-8+00N	1		
-9+00S	3		
-9+00N	2	2	
-10+00S	3		
-10+00N	2		
-11+00S	5		
-11+00N	2		
-12+00S	1		
-12+00N	1		
-13+00S	2		
-13+00N	2		
-14+00S	1		
-14+00N	2		
-15+00N	3		
-16+00N	2	5	
-17+00S	3		
-17+00N	2		

One assay ton fusions used

Certified by G. Leboff

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Geochemical Analysis Certificate

2W-1147-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W BRERETON

Date: NOV-09-92

We hereby certify the following Geochemical Analysis of 95 SOILS samples submitted OCT-28-92 by .

Sample Number	Au PPB	Au check PPB	Arsenic PPM
-18+00S	1		
-18+00N	1		
-19+00S	3		
-20+00S	3		
-21+00S	2		

One assay ton fusions used

Certified by G. Pelrine

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Geochemical Analysis Certificate

2W-1092-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-21-92

We hereby certify the following Geochemical Analysis of 57 SOILS samples submitted OCT-14-92 by .

Sample Number	Au PPB
AL16E-12+00S	1
AL16E-12+50S	3
AL16E-13S	2
AL16E-13+50E	3
AL16E-14+00S	2
AL16E-14+50S	5
AL16E-15+00S	5
AL16E-15+50S	6/5
AL16E-16+00S	3
AL16E-16+50S	3
AL16E-17+00S	5
AL16E-17+50S	9
AL16E-18+00S	67/64
AL16E-18+50S	3
AL16E-19+00S	3
AL16E-19+50S	2
AL16E-20+00S	6
AL16E-20+50S	2
AL16E-21+00S	4
BL16E-12+00S	2/3
BL16E-12+50S	6
BL16E-13S	5
BL16E-13+50S	1
BL16E-14+00S	3
BL16E-14+50S	5
BL16E-15+00S	48/41
BL16E-15+50S	2
BL16E-16+00S	4
BL16E-16+50S	2
BL16E-17+00S	2

Au was determined using 1 AT fusions

Certified by Donna Gardner

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300

Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

2W-1092-SG1

Company: MPH CONSULTING LTD
Project: C1448
Attn: W. BRERETON

Date: OCT-21-92

We hereby certify the following Geochemical Analysis of 57 SOILS samples submitted OCT-14-92 by .

Sample Number	Au PPB
BL16E-17+50S	4
BL16E-18+00S	30/30
BL16E-18+50S	1
BL16E-19+00S	2
BL16E-19+50S	6
BL16E-20+00S	2
BL16E-20+50S	4
BL16E-21+00S	8
DEPTH L16E-12+00S	7
DEPTH L16E-12+50S	12
DEPTH L16E-13S	7
DEPTH L16E-13+50S	1
DEPTH L16E-14+00S	3
DEPTH L16E-14+50S	6
DEPTH L16E-15+00S	39/27
DEPTH L16E-15+50S	182/170
DEPTH L16E-16+00S	3
DEPTH L16E-16+50S	20
DEPTH L16E-17+00S	4
DEPTH L16E-17+50S	29/50
DEPTH L16E-18+00S	33
DEPTH L16E-18+50S	15
DEPTH L16E-19+00S	9
DEPTH L16E-19+50S	39/51
DEPTH L16E-20+00S	10
DEPTH L16E-20+50S	5
DEPTH L16E-21+00S	3

Au was determined using 1 AT fusions

Certified by Norma Hawkins

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705)642-3300

Ontario

900

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Geoscience Approvals Section
Mining Lands Branch
Willet Green Miller Centre
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

Our File: 2.14947
Transaction #: W9360.00048

June 2, 1993

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Madam:

RE: APPROVAL OF ASSESSMENT WORK SUBMITTED FOR GEOLOGICAL AND GEOCHEMICAL SURVEYS ON MINING CLAIMS P740049 ET AL. IN SWAYZE AND CUNNINGHAM TOWNSHIPS.

A Notice of Deficiency was not issued on this Report of Work prior to the 90 day deemed approval date and as outlined in subsection 6(5) of the Mining Act Regulations this Report of Work is **deemed approved** as of **June 1, 1993.** The Assessment credits are as listed on the original submission.

Please indicate this approval on the claim record sheets.

If you require further information please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Branch
Mines and Minerals Division

LJ/jl
Enclosures:

cc: Resident Geologist
Timmins, Ontario

Assessment Files Library
Toronto, Ontario

AMENDED

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9360.00048

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.~~15010~~ 14924

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s)		Client No.
William E Brereton		111858
Address: 94 Amelia St Toronto M4X 1E4		Telephone No.: (416) 944-2542
Mining Division: PORCUPINE	Township/Area: SWAYZE/CUNNINGHAM	M or G Plan No.: G-3249 & G-1095
Dates Work Performed: From: SEPT 19, 1992	To: NOV 4 1992	

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	MAPPING, PROSPECTING, SOIL GEOCHEM
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

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@ 11:10 a.m.

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Total Assessment Work Claimed on the Attached Statement of Costs $ 55738

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
J.A. HAMILTON	MPH CONSULTING LIMITED
	150 YORK STREET
	STE 1800
	TORONTO, ONTARIO

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RECORDED
MAR 03 1993
Receipt

Attach a schedule if necessary.

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: Mar 2/93

Recorded Holder or Agent (Signature): W E Brereton

Certification of Work Report

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

Name and Address of Person Certifying

A. HAMILTON MPH CONSULTING LIMITED 150 YORK ST STE 1800 TORONTO ONTARIO

Telephone No.	Date	Certified By (Signature)
416-365-0930	Mar 2/93	Joe Hamilton / W E Brereton

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Total Value Cr. Recorded	Date Recorded	Mining Recorder
$55,738	MAR. 3, 1993	
	Deemed Approval Date: JUNE 1, 1993	Date Approved
	Date Notice for Amendments Sent	

Received Stamp: RECEIVED MAR 8 1993 Fed $ 30

(03511)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P740048 ✓	1	1205	800	405	Ø
	P740049 ✓	1	1527	800	727	
	P740050 ✓	1	2277	800	1477	
	P740053 ✓	1	911	800	111	
	P740054 ✓	1	2732	800	1932	
	P740055 ✓	1	2277	800	1477	
	P740056 ✓	1	2206	800	1406	
	P740057 ✓	1	982	800	182	
	P740060 ✓	1	1366	800	566	
	P740061 ✓	1	911	800	111	
	P740062 ✓	1	1360	800	560	
	P740071 ✓	1	1067	800	267	
	P740 072 ✓	1	982	800	182	
	P740 073 ✓	1	911	800	111	
	P779956 ✓	1	1263	800	463	
	P779957 ✓	1	1469	800	669	
	P779958 ✓	1	1366	800	566	
	17		24812	13600	11212	Ø
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

241 (03/87)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☒ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: **Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.**

Note 2: **If work has been performed on patented or leased land, please complete the following:**

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed

Signature: [signature] Date: 11/12/89

ge lot 99

Work Report Number to Apply	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve Value to be Claimed at a Future Date
1	P779959	1	1366	800	566	0
2.150	P779960	1	1366	800	566	
	P779961	1	911	800	111	
	P779969	1	1226	800	426	
	P779972	1	1046	800	246	
	P779973	1	1661	800	861	
	P779974	1	1627	800	827	
	P779975	1	1505	800	705	
	P799007	1	2410	800	1022	
	P799008	1	2143	800	1343	
	P799009	1	1827	800	1022	
	P740046	1	0	800	0	
	P740047	1	0	800	0	
	P740051	1	0	800	0	
	P740052	1	0	800	0	
	P740058	1	0	800	0	
	P740063	1	643	800	0	
Total Number of Claims		17	17723	13600	7740	539

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MAY 2 1993
MINING LANDS BRANCH

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Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
	[signature]	May 2/93

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P740064 ✓	1	455	800	∅	∅
	P740068 ✓	1	422	800		
	P740069 ✓	1	792	800		
	P740070 ✓	1	683	800		
	P740074 ✓	1	190	800		
	P740075 ✓	1	266	800		
	P740076 ✓	1	288	800		
	P740077 ✓	1	320	800		
	P740080 ✓	1	273	800		
	P740081 ✓	1	182	800		
	P740082 ✓	1	455	800		
	P740086 ✓	1	228	800		
	P740087 ✓	1	683	800		
	P740088 ✓	1	455	800		
	P740089 ✓	1	455	800		
	P740091 ✓	1	228	800		
	P740092 ✓	1	228	800		
	17		6603	13600	∅	∅
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

241 (03/01)

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed

Signature

Date 4/12/03

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P740093 ✓	1	455	800	∅	∅
	P740094 ✓	1	455	800	∅	∅
2.150 19	P779962 ✓	1	174	800		
	P779963 ✓	1	669	800		
	P779964 ✓	1	68	800		
	P779966 ✓	1	455	800		
2.	P779968 ✓	1	537	800		
	P779970 ✓	1	58	800		
	P779971 ✓	1	25	800		
	P779976 ✓	1	59	800		
	P779977 ✓	1	300	800		
	P779978 ✓	1	578	800		
	P779979 ✓	1	489	800		
	P779982 ✓	1	455	800		
	P779983 ✓	1	456	800		
	P779986 ✓	1	455	800		
	P779987 ✓	1	456	800		
	17	Total Number of Claims	6144	13600	∅	∅
			Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed

Signature: [signature] Date: May 12/89

(2041 (88/07))

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P7 99010	1	455	800	Ø	Ø
	1		455	800	Ø	Ø
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed	Signature	Date

0241 (03/91)

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Ontario

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9360.00048

2.15019

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	28055.00	
	Field Supervision Supervision sur le terrain	3117.50	31172.50
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type REPORTING/DRAFTING	4750.70	
			4750.70
Supplies Used Fournitures utilisées	Type FUEL	963.03	
	ANALYSES	7440.49 ✓	
	OFFICE/CONSUMABLES	1451.53	
			9855.05
Equipment Rental Location de matériel	Type TRUCK	1852.79	
	ATV/PLUGGER	1909.03 ✓	
			3761.82
	Total Direct Costs Total des coûts directs		49540.07

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TAXI/BUS/TRAIN	159.84	
			159.84
Food and Lodging Nourriture et hébergement		3962.54	3962.54
Mobilization and Demobilization Mobilisation et démobilisation		1676.46	1676.46
	Sub Total of Indirect Costs Total partiel des coûts indirects		5798.84
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		5798.84
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		55338.91

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Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit		Total Assessment Claimed
	× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation		Évaluation totale demandée
	× 0,50 =	

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Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as PROJECT MANAGER (Recorded Holder, Agent, Position in Company) I am authorized to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé à faire cette attestation.

Signature: _____ Date: 12/May/93

0212 (04/91)

Nota : Dans cette formule, lorsque des personnes, le masculin est utilisé au sens neutre

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

AMENDED

Transaction Number
W9360.00047

sonal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, bury, Ontario, P3E 6A5, telephone (705) 670-7264.

2. ~~15010~~ 14947

tructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

corded Holder(s) William E Brereton		Client No. 111858
dress 94 Amelia St, Toronto, M4X1E4		Telephone No. (416) 944-2542
ing Division PORCUPINE	Township/Area SWAYZE/CUNNINGHAM	M or G Plan No. G-3249
Dates Work Performed	From: SEPT 14, 1992	To: Nov 4, 1992

ork Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	MECHANIZED STRIPPING / TRENCHING
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	MINING LANDS BRANCH

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MINING LANDS BRANCH

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MAR 29 1993
@ 11:10 a.m.

RECEIVED
MAY 13 1993

otal Assessment Work Claimed on the Attached Statement of Costs $ 135,641

lote: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

'ersons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
J.A. HAMILTON	MPH CONSULTING LIMITED 150 YORK ST STE 1800 TORONTO ONTARIO

RECORDED
MAR 03 1993
Receipt

ttach a schedule if necessary)

'ertification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: Mar 2/93

Recorded Holder or Agent (Signature): [signature]

'ertification of Work Report

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

Name and Address of Person Certifying

J.A. HAMILTON MPH CONSULTING LIMITED 150 YORK ST STE 1800 TORONTO

Telephone No.	Date	Certified By (Signature)
416-365-0930	Mar 2/93	[signature]

'or Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$135,641	MAR. 3, 1993	[signature]	RECEIVED Fed Ex MAR 8 1993 130
	Deemed Approval Date: JUNE 1, 1993	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Work to be Claimed at a Future Date
	P740054	1	11710	∅	11710	∅
	P740056	1	45546	∅	∅	45546
	P740080	1	11711	∅	11711	∅
	P740082	1	22341	∅	1379	20962
	P740087	1	44333	∅	∅	44333
	P740059	1	∅	800	∅	∅
	P740065	1	∅	800		
	P740066	1	∅	800		
	P740067	1	∅	800		
	P740078	1	∅	800		
	P740079	1	∅	800		
	P740083	1	∅	800		
	P740084	1	∅	800		
	P740085	1	∅	800		
	P740090	1	∅	800		
	P740095	1	∅	800		
	P740097	1	∅	800		
	17		135641	9600	24800	110841
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature: [signature] Date: Mar 2/93

21)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
2.10.19	P740098	1	Ø	900	Ø	Ø
	P740099	1				
	P740100	1				
	P779965	1				
	P779967	1				
	P779980	1				
	P779981	1				
	P779984	1				
	P779985	1				
	P779988	1				
	P779989	1				
✓	P779990	1				
	P799001	1				
	P799002	1				
	P799003	1				
	P799004	1				
	P799006	1				
	17		Ø	13600	Ø	Ø
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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Signature: [signature] Date: May 12/93

Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
P799011	1	Ø	800	Ø	Ø
P799012	1	Ø	800	Ø	Ø
2		Ø	1600	Ø	Ø
Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

(03/91)

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I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature: [signature]

Date: 1/04/93

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction: W9360.00047

Mining Act/Loi sur les mines 2.15019

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	58763.91	
	Field Supervision Supervision sur le terrain	4398.00	63161.91
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type REPORTING/DRAFTING	8822.73	
	MACHINES	21024.04	
			29846.77
Supplies Used Fournitures utilisées	Type ANALYSES	13818.04	
	FUEL	1788.48	
	OFFICE/CONSUMABLES	2695.71	
			18302.23
Equipment Rental Location de matériel	Type TRUCK	3440.89	
	ATV/PLUGGER	3545.33	
	PUMP/HOSE	4060.00	11046.22
	Total Direct Costs Total des coûts directs		122357.13

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type AIRFARE	1320.99	
	MILEAGE	463.18	
			1783.67
Food and Lodging Nourriture et hébergement		8387.60	8387.60
Mobilization and Demobilization Mobilisation et démobilisation		3113.43	3113.43
	Sub Total of Indirect Costs Total partiel des coûts indirects		13284.70
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		13284.70
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)		135641.83

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

RECEIVED
MAY 12 1993
MINING LANDS BRANCH

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as PROJECT MANAGER / (Recorded Holder, Agent, Position in Company) I am authorized to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé à faire cette attestation.

Signature	Date
	11/05/93

3212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Cree Lake Resources
Summary of Trenching Activities
Cree Lake Property, Swayze Township
September, 1992 to November, 1992

14947
2.15010

Location		Direction	Length (ft)	Width (ft)	Depth (ft)
L0+00	4+50S	E-W	175	25	2
L0+00	6+00S	NE-SW	80	5	8
		NW-SE	30	5	3
L2+00W	6+00S	NW-SE	60	15	4
L3+00E	5+25S	NE-SW	120	12	1
		E-W	55	20	1
L8+00E	22+00S	WNW-ESE	60	25	3
L52+00E	0+75S	N-S	55	7	8
L52+00E	5+00S	N-S	55	5	8
L60+00E	23+70S	N-S	60	7	3
		E-W	90	7	3
L64+00E	6+00S	NE-SW	120	10	3
65+50E	6+00S	N-S	50	10	4
		E-W	60	7	4
L68+00E	6+00S	N-S	120	10	5

This work report encompasses mechanized stripping and trenching conducted by LARCHEX Inc. of Timmins on the following dates and cumulative hours:

	Bulldozer	Backhoe	Operators (2 men)
Sept 9 to 17	67.0	0.0	180.0
Sept 22 to 30	56.0	61.0	204.0
Oct 1 to 9	45.5	72.0	164.0
Oct 13 to 18	30.0	41.5	117.0
Oct 30 to Nov 4	0.0	12.0	36.0
Totals:	198.5	186.5	705.0
Cost $/hr:	$60.00	$50.00	$26.00

2.14947

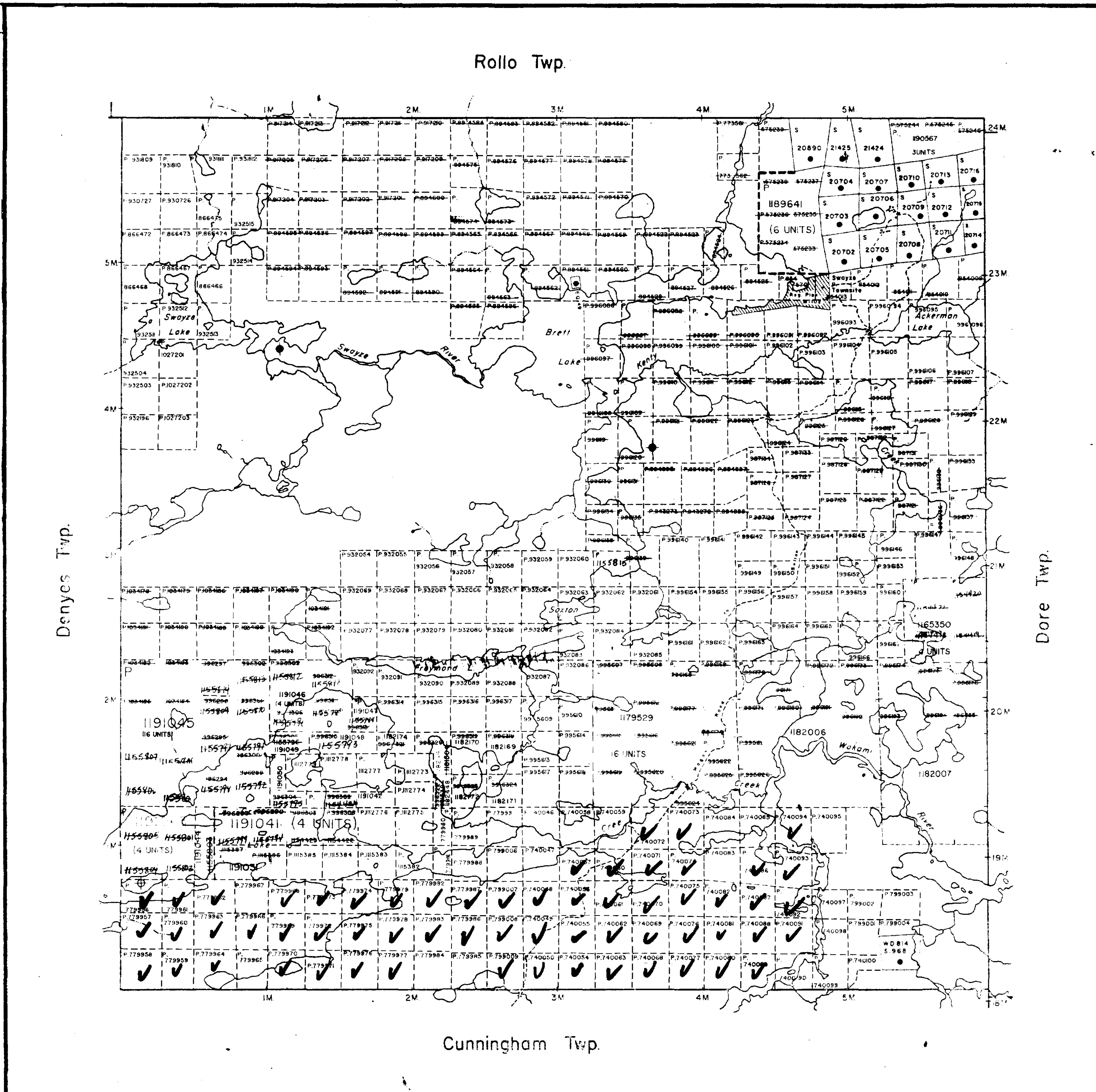
2.~~15019~~

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◩
" , MINING RIGHTS ONLY	□
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓢ

● REMOTE TOURIST CAMPS

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

PORCUPINE MINING DIVISION
RECEIVED
MAR 18 1988

TOWNSHIP

SWAYZE

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
MARCH, 1985	G-3249

ACTIVATED APR. 19/90 D.C.

41015SE9892 2.14947 SWAYZE

200

G-3249

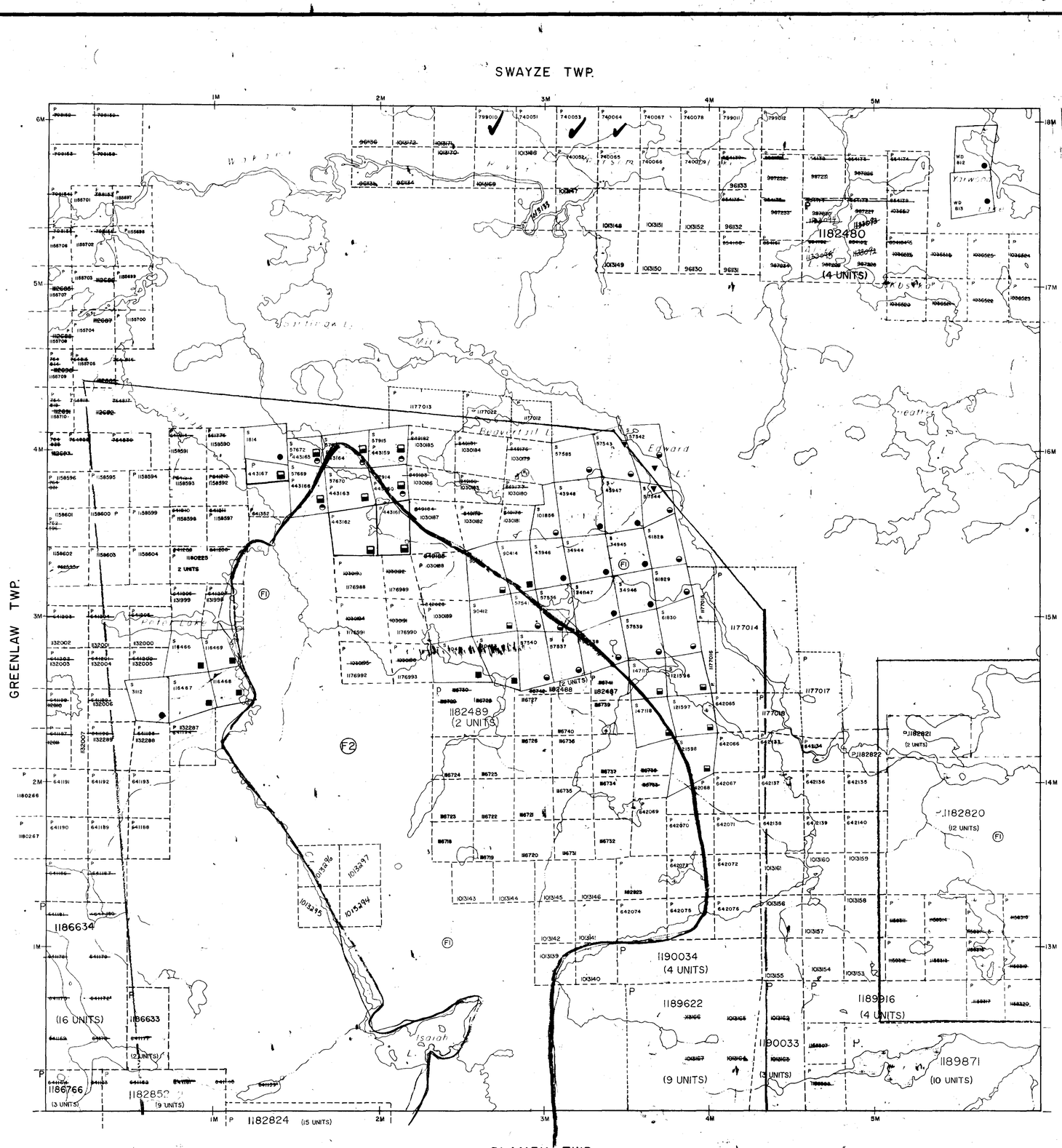
AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

(R) CROWN RESERVE

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES: TOWNSHIPS, BASE LINES, ETC. / LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES: LOTS, ETC. / PARCEL BOUNDARY / MINING CLAIMS, ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	OC
RESERVATION	(R)
CANCELLED	
SAND & GRAVEL	(R)

NOTE MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1

500 Metres 0 1000 Metres
10 0 10 20 30 40 50 60 70 Chains
500 Feet 0 1000 2000 3000 4000 5000 Feet

SCALE 1:20 000

(F) THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1992/93 FURTHER INFORMATION AVAILABLE ON FILE.

(F2) THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94. FURTHER INFORMATION ON FILE.

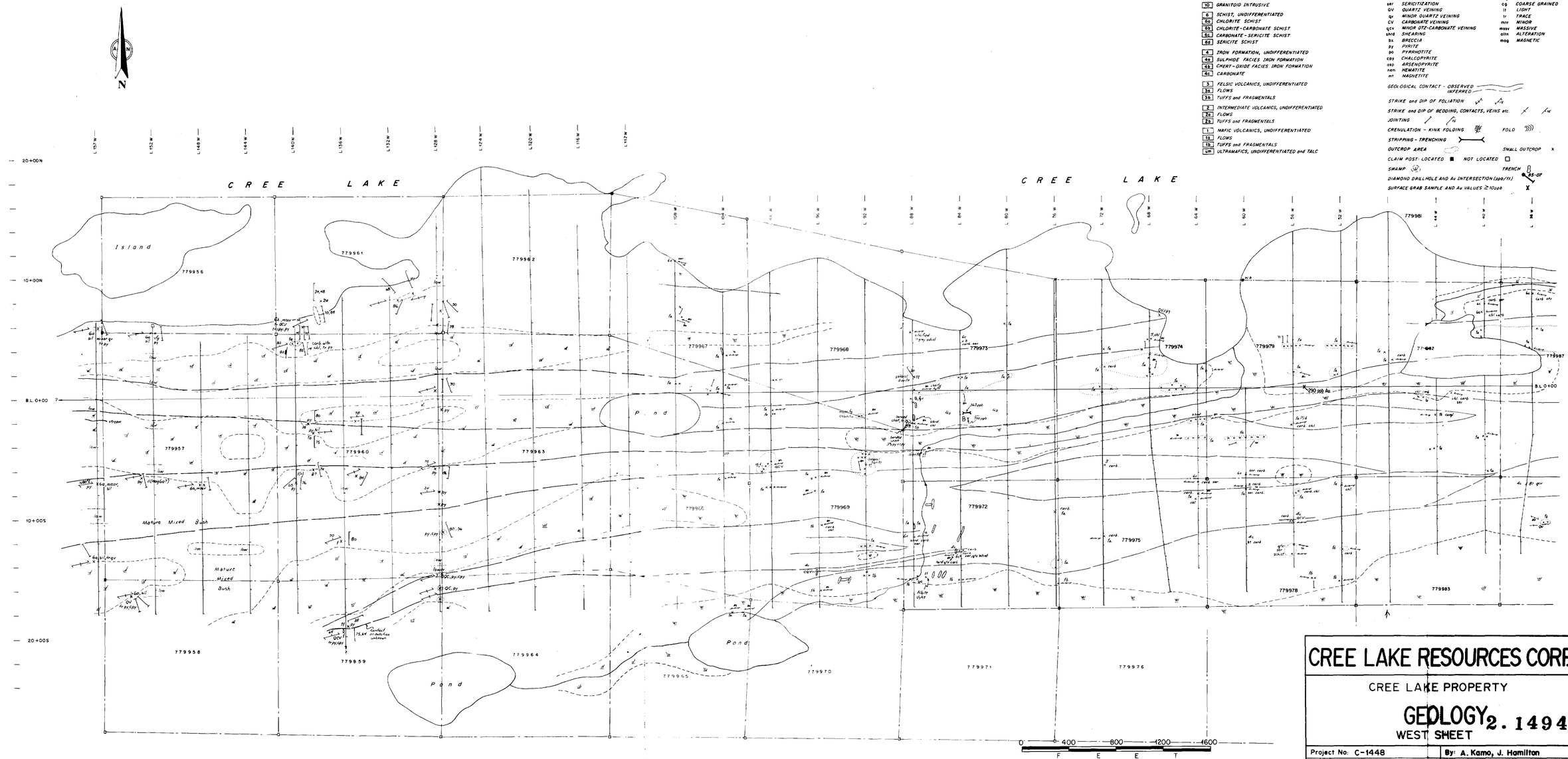
TOWNSHIP
CUNNINGHAM

M.N.R. ADMINISTRATIVE DISTRICT
CHAPLEAU
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
SUDBURY Received Sept 15/86

Ontario Ministry of Natural Resources | Ministry of Northern Development and Mines

Date AUGUST, 1986 | Number G-1095

CK-Copies Sept 15/86



LEGEND

16	DIABASE
11	MAFIC INTRUSIVE (DIORITE/GABBRO)
10	GRANITOID INTRUSIVE
6	SCHIST, UNDIFFERENTIATED
6a	CHLORITE SCHIST
6b	CHLORITE-CARBONATE SCHIST
6c	CARBONATE - SERICITE SCHIST
6d	SERICITE SCHIST
4	IRON FORMATION, UNDIFFERENTIATED
4a	SULPHIDE FACIES IRON FORMATION
4b	CHERT - OXIDE FACIES IRON FORMATION
4c	CARBONATE
3	FELSIC VOLCANICS, UNDIFFERENTIATED
3a	FLOWS
3b	TUFFS and FRAGMENTALS
2	INTERMEDIATE VOLCANICS, UNDIFFERENTIATED
2a	FLOWS
2b	TUFFS and FRAGMENTALS
1	MAFIC VOLCANICS, UNDIFFERENTIATED
1a	FLOWS
1b	TUFFS and FRAGMENTALS
um	ULTRAMAFICS, UNDIFFERENTIATED and TALC

chl	CHLORITIZATION
sil	SILICIFICATION
carb	CARBONATIZATION
ser	SERICITIZATION
QV	QUARTZ VEINING
qv	MINOR QUARTZ VEINING
CV	CARBONATE VEINING
qtz-c	MINOR QTZ-CARBONATE VEINING
shrd	SHEARING
bx	BRECCIA
py	PYRITE
po	PYRRHOTITE
cpy	CHALCOPYRITE
aso	ARSENOPYRITE
hem	HEMATITE
mt	MAGNETITE

fg	FINE GRAINED
vfg	VERY FINE GRAINED
mg	MEDIUM GRAINED
cg	COARSE GRAINED
lt	LIGHT
tr	TRACE
mnr	MINOR
mssv	MASSIVE
altn	ALTERATION
mag	MAGNETIC

GEOLOGICAL CONTACT - OBSERVED / INFERRED

STRIKE and DIP OF FOLIATION

STRIKE and DIP OF BEDDING, CONTACTS, VEINS etc.

JOINTING

CRENULATION - KINK FOLDING — FOLD

STRIPPING - TRENCHING

OUTCROP AREA — SMALL OUTCROP

CLAIM POST: LOCATED ■ NOT LOCATED □

SWAMP — TRENCH

DIAMOND DRILLHOLE and Au INTERSECTION (ppb/ft.) 85-07

SURFACE GRAB SAMPLE AND Au VALUES ≥ 10ppb

Note: Geological mapping by Golden Rim Resources Inc., 1985, and MPH Consulting Limited, 1992

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

GEOLOGY 2.14947

WEST SHEET

Project No: C-1448	By: A. Kamo, J. Hamilton
Scale: 1 Inch = 400 Feet	Drawn: A&N Cartographics
Drawing No: 1	Date: Dec. 1992

MPH Consulting Limited

L E G E N D

16	DIABASE
11	MAFIC INTRUSIVE (DIORITE/GABBRO)
10	GRANITOID INTRUSIVE
6	SCHIST, UNDIFFERENTIATED
6c	CHLORITE SCHIST
6b	CHLORITE-CARBONATE SCHIST
6c	CARBONATE-SERICITE SCHIST
6d	SERICITE SCHIST
4	IRON FORMATION, UNDIFFERENTIATED
4a	SULPHIDE FACIES IRON FORMATION
4b	CHERT-OXIDE FACIES IRON FORMATION
4c	CARBONATE
3	FELSIC VOLCANICS, UNDIFFERENTIATED
3a	FLOWS
3b	TUFFS and FRAGMENTALS
2	INTERMEDIATE VOLCANICS, UNDIFFERENTIATED
2a	FLOWS
2b	TUFFS and FRAGMENTALS
1	MAFIC VOLCANICS, UNDIFFERENTIATED
1a	FLOWS
1b	TUFFS and FRAGMENTALS
um	ULTRAMAFICS, UNDIFFERENTIATED and TALC

chl	CHLORITIZATION	fg	FINE GRAINED
sil	SILICIFICATION	vfg	VERY FINE GRAINED
carb	CARBONATIZATION	mg	MEDIUM GRAINED
ser	SERICITIZATION	cg	COARSE GRAINED
QV	QUARTZ VEINING	lt	LIGHT
qv	MINOR QUARTZ VEINING	tr	TRACE
CV	CARBONATE VEINING	mnr	MINOR
qcv	MINOR QTZ-CARBONATE VEINING	mssv	MASSIVE
shrd	SHEARING	altn	ALTERATION
bx	BRECCIA	mag	MAGNETIC
py	PYRITE		
po	PYRRHOTITE		
cpy	CHALCOPYRITE		
asp	ARSENOPYRITE		
hem	HEMATITE		
mt	MAGNETITE		

GEOLOGICAL CONTACT - OBSERVED / INFERRED

STRIKE and DIP OF FOLIATION

STRIKE and DIP OF BEDDING, CONTACTS, VEINS etc.

JOINTING

CRENULATION - KINK FOLDING — FOLD

STRIPPING - TRENCHING

OUTCROP AREA — SMALL OUTCROP

CLAIM POST LOCATED ■ NOT LOCATED □

SWAMP — TRENCH

DIAMOND DRILLHOLE AND Au INTERSECTION (ppb/ft.) 85-07

SURFACE GRAB SAMPLE AND Au VALUES ≥ 10ppb

TO CAMP

CREE LAKE

779988 | 799006

740072 740059 740057 740060 740071 740074 740083 740086 740047 799006

740070 740075 740082 740087 740056 740061 740048 779982 779987 799007

740069 740076 740081 740088 740049 740055 740062 779983 779986 799008

740068 740077 740080 740089 740054 740063

TL 16+20 N

BL 0+00

TL 32+00 S

Abandoned Trench

85-01 85-02 85-03 85-04 85-05 85-06 85-07 85-08 85-09 85-10 85-11 85-12 85-13 85-14 85-15 85-16 87-16 87-17 87-18 87-19 87-20 92-06

L 0 L 4 E L 8 E L 12 E L 16 E L 20 E L 24 E L 28 E L 32 E L 36 E L 40 E L 44 E L 48 E L 52 E L 56 E L 60 E L 64 E L 68 E L 72 E

WAKAMI RIVER

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

GEOLOGY

EAST SHEET

Project No: C-1448	By: A. Kamo, J. Hamilton
Scale: 1 Inch = 400 Feet	Drawn: A & N Cartographics
Drawing No: 2	Date: Dec. 1992

MPH Consulting Limited

2.14947

0 400 800 1200 1600

FEET

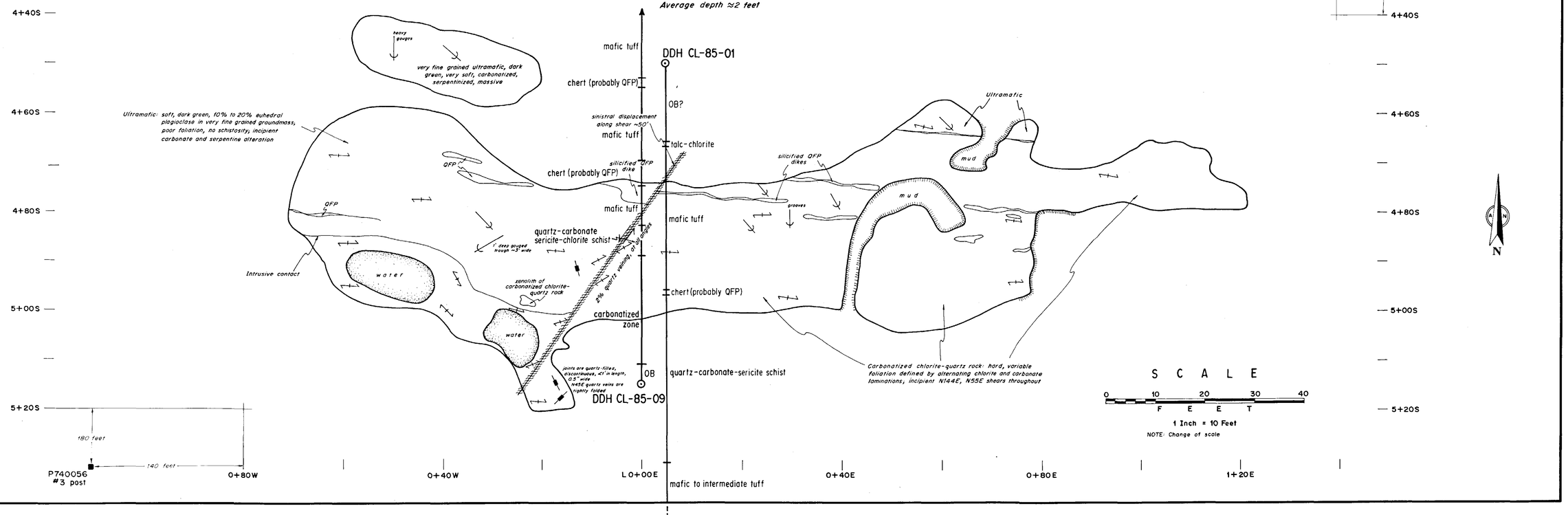
Note: Geological mapping by Golden Rim Resources Inc., 1985


2.14947
CREE LAKE RESOURCES
SOIL GEOCHEMISTRY
CREE LAKE
MPH CONSULTING LIMITED
LEGEND
Postings: Au As Cu
n.d – not detected
Anomalous Soil Areas
N
Cree Lake
Cree Lake
Ransom Lake
Pond
Pond
Pond
BASELINE

240

TRENCH L0+00 4+50S

Average depth ≈2 feet



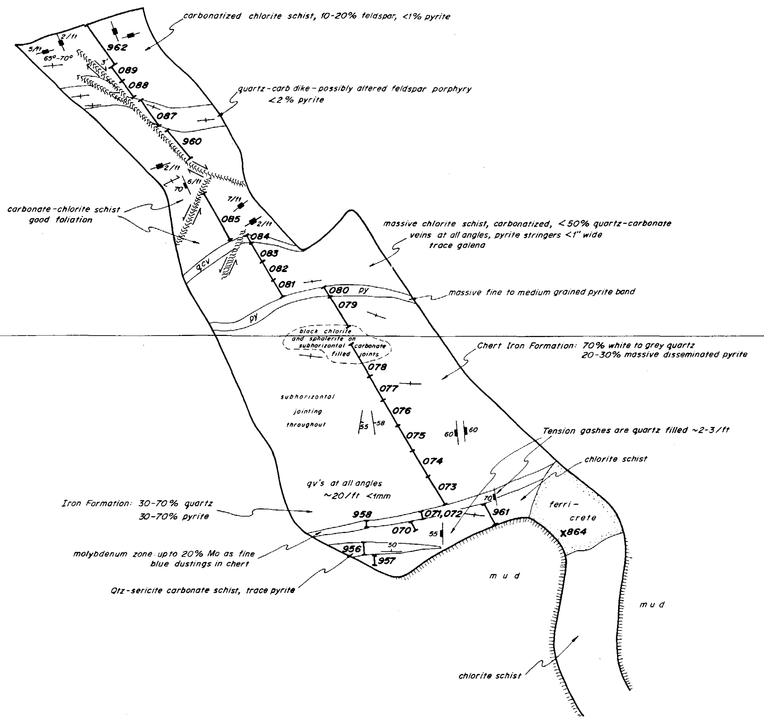
TRENCH 2+00W 6+00S

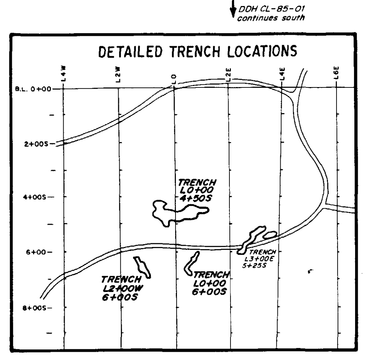
Average depth ~4 feet

DDH CL-85-01 continuation from collar above

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-950	223
CL-92-951	136
CL-92-952	118
CL-92-954	98
CL-92-955	160
CL-92-956	2
CL-92-957	nd.
CL-92-958	2
CL-92-959	nd.
CL-92-960	2
CL-92-960A	7
CL-92-961	nd.
CL-92-962	nd.
CL-92-962A	3
SELECTED GRABS	
CL-92-964	2212 fg rock, 20% molybdenite as dustings
CL-92-965	800 fg rock, 30% molybdenite as dustings
CL-92-070	10
CL-92-071	709
CL-92-072	194
CL-92-073	46
CL-92-074	254
CL-92-075	91
CL-92-076	288
CL-92-077	281
CL-92-078	315
CL-92-079	218
CL-92-080	780
CL-92-081	17
CL-92-082	29
CL-92-083	17
CL-92-084	10
CL-92-085	Nil
CL-92-086	2
CL-92-087	Nil
CL-92-088	3
CL-92-089	2
CL-92-090	Nil
CL-92-091	622
CL-92-092	542
CL-92-093	132





mafic tuff

Approx. 85° to drillhole

Approx. 15° to drillhole

Total distance 100'

mafic to intermediate tuff

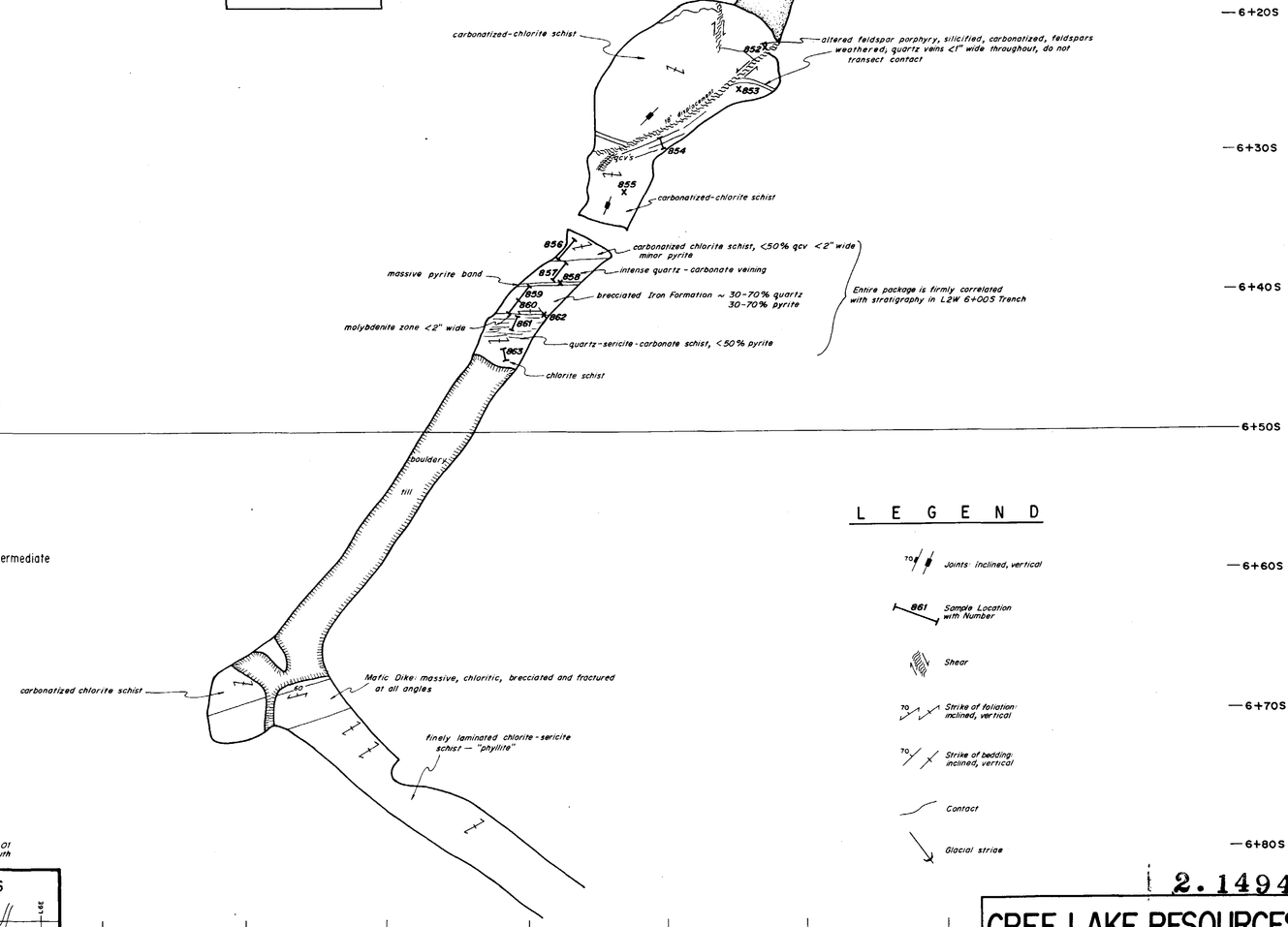
DDH CL-85-01 continues south

TRENCH L0+00 6+00S

Average depth ≈8 feet

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-850	29
CL-92-851	33
CL-92-852	2
CL-92-853	3
CL-92-854	14
CL-92-855	5
CL-92-856	15
CL-92-857	25
CL-92-858	103
CL-92-859	233
CL-92-860	39
CL-92-861	7
CL-92-862	nd.
CL-92-863	3
CL-92-864	nd.



L E G E N D

- Joints: inclined, vertical
- 861 Sample Location with Number
- Shear
- Strike of foliation: inclined, vertical
- Strike of bedding: inclined, vertical
- Contact
- Glacial striae

S C A L E
0 5 10 15 20
F E E T

N

6+00S
6+10S
6+20S
6+30S
6+40S
6+50S
6+60S
6+70S
6+80S

20 feet
70 feet
P740056 #3 post
1+50W
1+40W
1+30W
1+20W
1+10W
1+00W
0+90W
0+30E
0+40E
0+50E
0+60E
0+70E
0+80E
0+90E

2.14947

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY
CENTRAL GRID AREA TRENCHES

TRENCHES L0+00 & L2+00W

Project No: C-1448	By: J. Hamilton
Scale: 1 Inch = 5 Feet	Drawn: A & N Cartographics
Drawing No: 4	Date: Dec. 1992

MPH **MPH Consulting Limited**

2+40E | 2+60E | 2+80E | 3+00E | 3+20E | 3+40E | 3+60E | 3+80E

P740056 #1 Post

800 feet

1350 feet

5+20S | 5+40S | 5+60S | 5+80S | 6+00S

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-900	nd.
CL-92-901	5
CL-92-902	19
CL-92-903	5
CL-92-904	9
CL-92-905	22
CL-92-906	9
CL-92-907	22
CL-92-908	57
CL-92-909	89
CL-92-910	63
CL-92-911	5
CL-92-912	5
CL-92-913	nd.
CL-92-914	7
CL-92-915	3
CL-92-916	3
CL-92-917	17
CL-92-918	5
CL-92-919	572
CL-92-920	225
CL-92-921	nd.
CL-92-922	173
CL-92-923	62
CL-92-924	29
CL-92-925	387

nd = Not detected

Carbonatized schist: silicified, weathers brown and soft, chloritic slip planes define foliation, quartz veins occur as: i) white, irregular lenses and clots parallel to foliation ii) white, narrow, continuous, folded veins crosscutting foliation iii) blue, clots and lenses parallel to foliation

quartz-filled en echelon fractures

highly schistose equivalent of carbonatized schist; - defoliation and deep weathering, greater amount of chlorite along foliation slip planes

Carbonatized schist: silicified, weathers red-brown with a "woody" appearance pronounced schistosity, ~2% quartz veins as deformed clots, foliation is undulating

3-5% quartz and quartz-carbonate veining

en echelon qv

qv, qcv

7.11 displacement

interbedded white weathering and brown-red weathering carbonatized schist, beds ~1-2' thick, contacts are distorted but reflect S0, S1 appears parallel to S0 but is boudinaged

carbonatized-sericitized mafic dike, sharp contacts, mildly sheared

Brecciated Iron Formation: 5-20% pyrite, very fine grained, similar to western exposure

Road

Brecciated cherty Iron Formation: 5-20% pyrite increasing to 75% in places; pyrite is fine grained, appears recrystallized, bands around quartz fragments, black and white chert fragments, clast to matrix supported

pyritic chert, 25-40% pyrite

carbonatized mafic dike, sharp contacts, highly fractured

decreasing foliation

Brecciated cherty Iron Formation

pyrite increases to ~70%

CL-92-105 to 108 selected grabs

chlorite schist, transitional facies between volcanic and chert, silification increases to north

highly fractured, fractures at all angles

qcv

Qtz-chlorite: possibly mafic flow or fine grained mafic tuff, lightly carbonatized, variable amount of fracturing, generally massive

Average depth of Trench <1 foot

LEGEND

- Jointing
- Sample Location with Number
- Shear
- Strike and dip of schistosity
- Strike and dip of bedding
- Contact

SCALE

0 5 10 15 20

FEET

N

2.14947

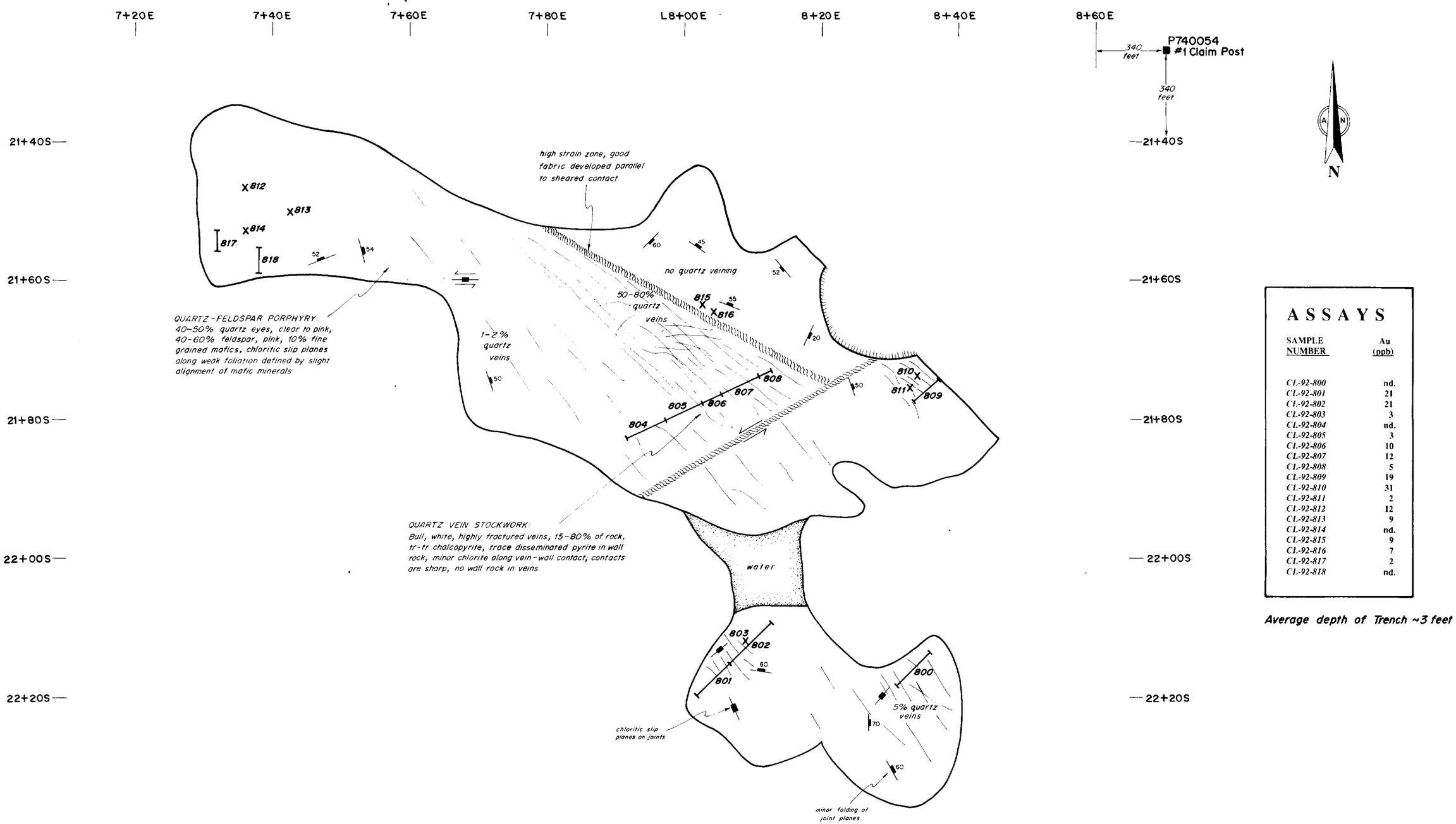
CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

LINE 3+00E TRENCH 5+25S

Project No: C-1448	By: J. Hamilton
Scale: 1 Inch = 5 Feet	Drawn: A & N Cartographics
Drawing No: 5	Date: Dec. 1992

MPH Consulting Limited



ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-800	nd.
CL-92-801	21
CL-92-802	21
CL-92-803	3
CL-92-804	nd.
CL-92-805	3
CL-92-806	10
CL-92-807	12
CL-92-808	5
CL-92-809	19
CL-92-810	31
CL-92-811	2
CL-92-812	12
CL-92-813	9
CL-92-814	nd.
CL-92-815	9
CL-92-816	7
CL-92-817	2
CL-92-818	nd.

Average depth of Trench ~3 feet

LEGEND

70 — Joints, inclined, vertical

813 X — 809 — Sample Location with Number

Shear

SCALE

0 10 20 30 40

FEET

2.14947

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

LINE 8+00E TRENCH 22+00S

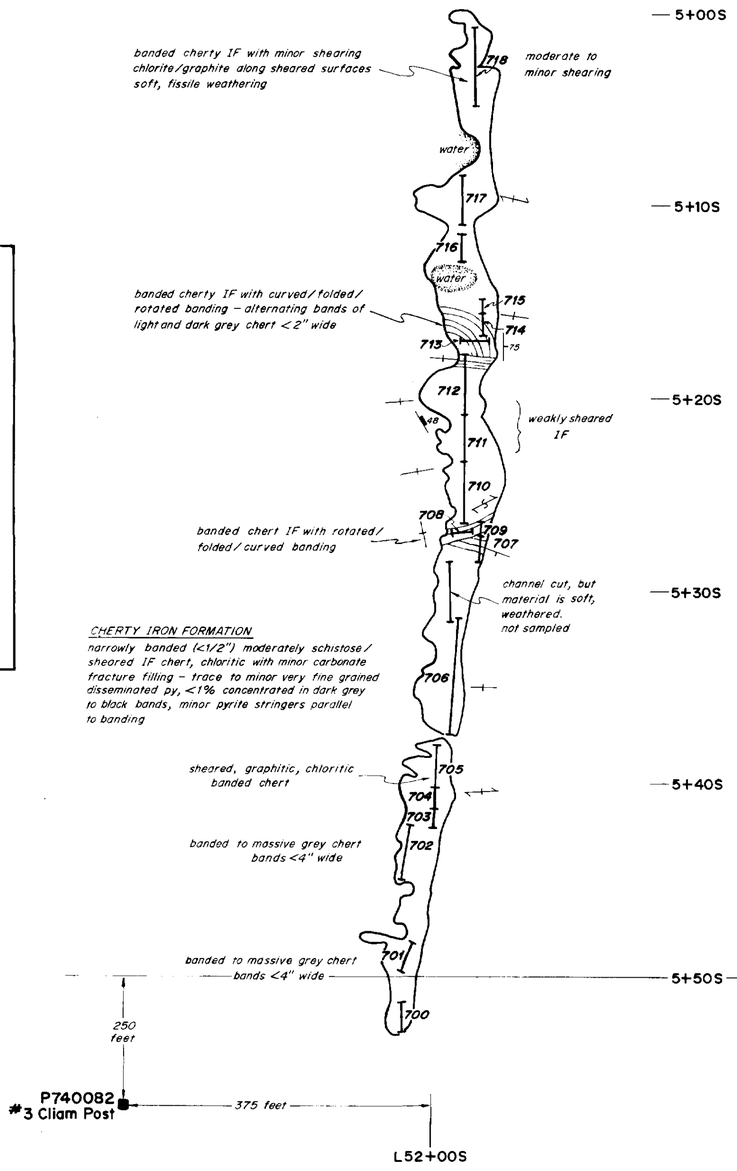
Project No: C-1448	By: J. Hamilton
Scale: 1 Inch = 10 Feet	Drawn: A & N Cartographics
Drawing No: 6	Date: Dec. 1992

MPH Consulting Limited

TRENCH 5+00S

L52+00E

Average depth ~8 feet



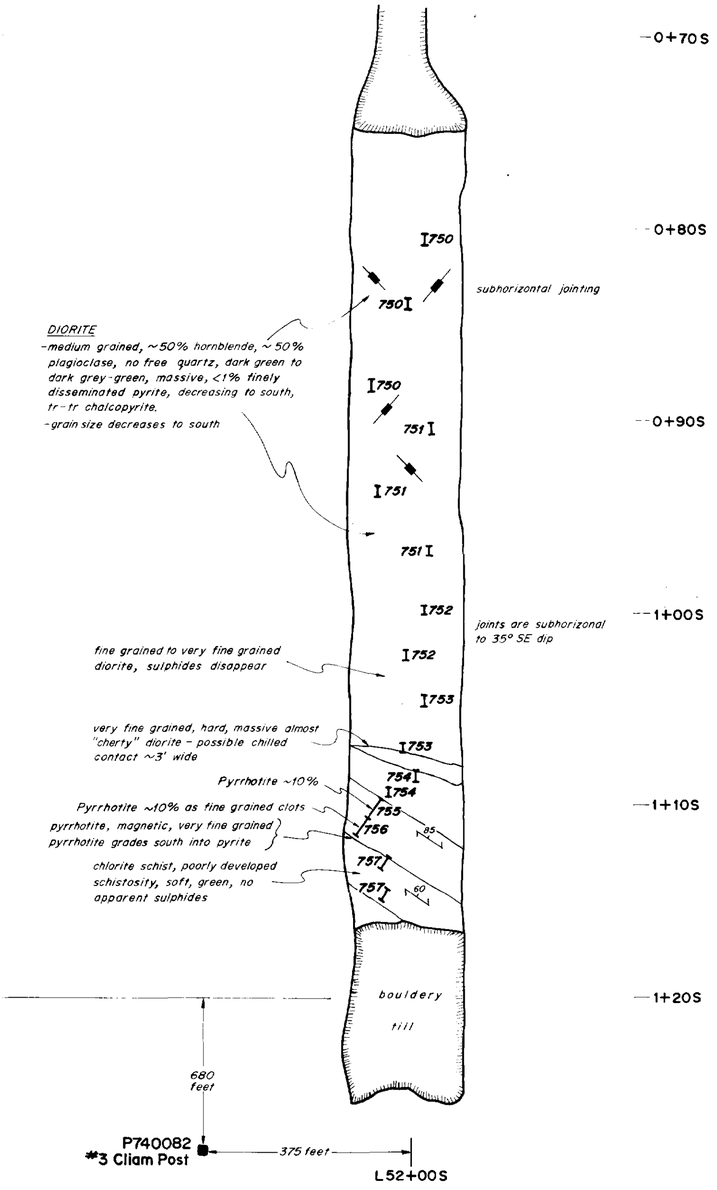
CHERTY IRON FORMATION

narrowly banded (<1/2") moderately schistose/ sheared IF chert, chloritic with minor carbonate fracture filling – trace to minor very fine grained disseminated py, <1% concentrated in dark grey to black bands, minor pyrite stringers parallel to banding

TRENCH 0+75S

L52+00E

Average depth ~8 feet



DIORITE

-medium grained, ~50% hornblende, ~50% plagioclase, no free quartz, dark green to dark grey-green, massive, <1% finely disseminated pyrite, decreasing to south, tr-tr chalcopyrite.

-grain size decreases to south

fine grained to very fine grained diorite, sulphides disappear

very fine grained, hard, massive almost "cherty" diorite – possible chilled contact ~3' wide

Pyrrhotite ~10%

Pyrrhotite ~10% as fine grained clots

pyrrhotite, magnetic, very fine grained pyrrhotite grades south into pyrite

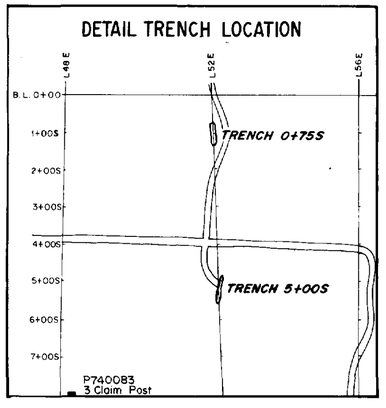
chlorite schist, poorly developed schistosity, soft, green, no apparent sulphides

NOTE: Samples were taken as discontinuous composite chips across homogeneous diorite

ASSAYS	
SAMPLE NUMBER	Au(ppb)
CL-92-750	7
CL-92-751	2
CL-92-752	2
CL-92-753	2
CL-92-754	3
CL-92-755	63
CL-92-756	121
CL-92-757	12

ASSAYS	
SAMPLE NUMBER	Au(ppb)
CHANNEL SAMPLES	
CL-92-700	36
CL-92-701	39
CL-92-702	71
CL-92-703	43
CL-92-704	Nil
CL-92-705	Nil
CL-92-706	53
CL-92-707	19
CL-92-708	5
CL-92-709	24
CL-92-710	26
CL-92-711	15
CL-92-712	68
CL-92-713	50
CL-92-714	38
CL-92-715	19
CL-92-716	3
CL-92-717	Nil
CL-92-718	21

DETAIL TRENCH LOCATION



LEGEND

- Jointing
- 711 Sample Location with Number
- Shear
- 70 Strike and dip of schistosity
- 75 Strike and dip of bedding

SCALE

0 5 10 15 20

FEET

N

2.14947

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

LINE 52+00E TRENCHES 5+00S & 0+75S

Project No: C-1448	By: A. Kamo, J. Hamilton
Scale: 1 Inch = 5 Feet	Drawn: A&N Cartographics
Drawing No: 7	Date: Dec. 1992

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59+50E | 59+60E | 59+70E | 59+80E | 59+90E | 60+00E | 60+10E | 60+20E | 60+30E

23+20S —

23+30S —

23+40S —

23+50S —

23+60S —

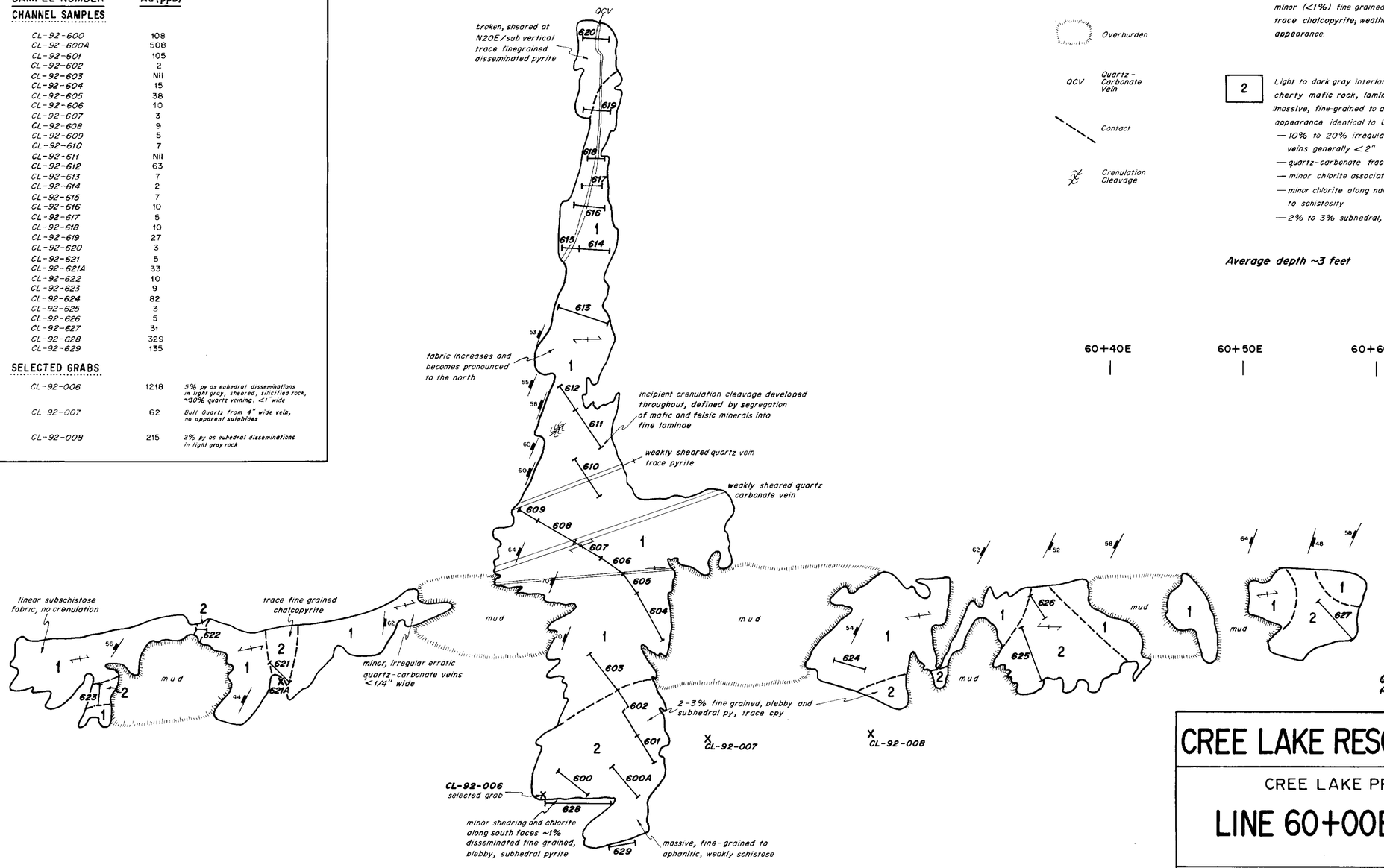
23+70S —

23+80S —

23+90S —

A S S A Y S

SAMPLE NUMBER	Au(ppb)	
CHANNEL SAMPLES		
CL-92-600	108	
CL-92-600A	508	
CL-92-601	105	
CL-92-602	2	
CL-92-603	Nil	
CL-92-604	15	
CL-92-605	38	
CL-92-606	10	
CL-92-607	3	
CL-92-608	9	
CL-92-609	5	
CL-92-610	7	
CL-92-611	Nil	
CL-92-612	63	
CL-92-613	7	
CL-92-614	2	
CL-92-615	7	
CL-92-616	10	
CL-92-617	5	
CL-92-618	10	
CL-92-619	27	
CL-92-620	3	
CL-92-621	5	
CL-92-621A	33	
CL-92-622	10	
CL-92-623	9	
CL-92-624	82	
CL-92-625	3	
CL-92-626	5	
CL-92-627	31	
CL-92-628	329	
CL-92-629	135	
SELECTED GRABS		
CL-92-006	1218	5% py as euhedral disseminations in light gray, sheared, silicified rock, ~30% quartz veining, <1" wide
CL-92-007	62	Buff Quartz from 4" wide vein, no apparent sulphides
CL-92-008	215	2% py as euhedral disseminations in light gray rock



L E G E N D

- Joints
- 624 Sample Location with Number
- Overburden
- QCV Quartz-Carbonate Vein
- Contact
- Crenulation Cleavage

1 Medium to dark green-gray interlaminated with dark gray to black siliceous to cherty mafic material, laminations are generally <0.5" wide; massive, fine-grained to aphanitic; weak to moderate linear subschistose fabric trends predominately at N85°E/SUBVERTICAL; minor quartz veining throughout; minor (<1%) fine grained, disseminated, subhedral pyrite, trace chalcopyrite; weathers green to buff with speckled appearance.

2 Light to dark gray interlaminated with gray to black siliceous, cherty mafic rock, laminations are generally <0.5" wide; massive, fine-grained to aphanitic; fabric and weathered appearance identical to UNIT 1 above;
- 10% to 20% irregular erratic quartz-carbonate veining; veins generally <2"
- quartz-carbonate fracture filling along NW jointing (<1/4" wide)
- minor chlorite associated with veining
- minor chlorite along narrow, low intensity shearing parallel to schistosity
- 2% to 3% subhedral, disseminated py <1/4" wide

Average depth ~3 feet

60+40E | 60+50E | 60+60E

N

2.14947

S C A L E
0 5 10 15 20
F E E T

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

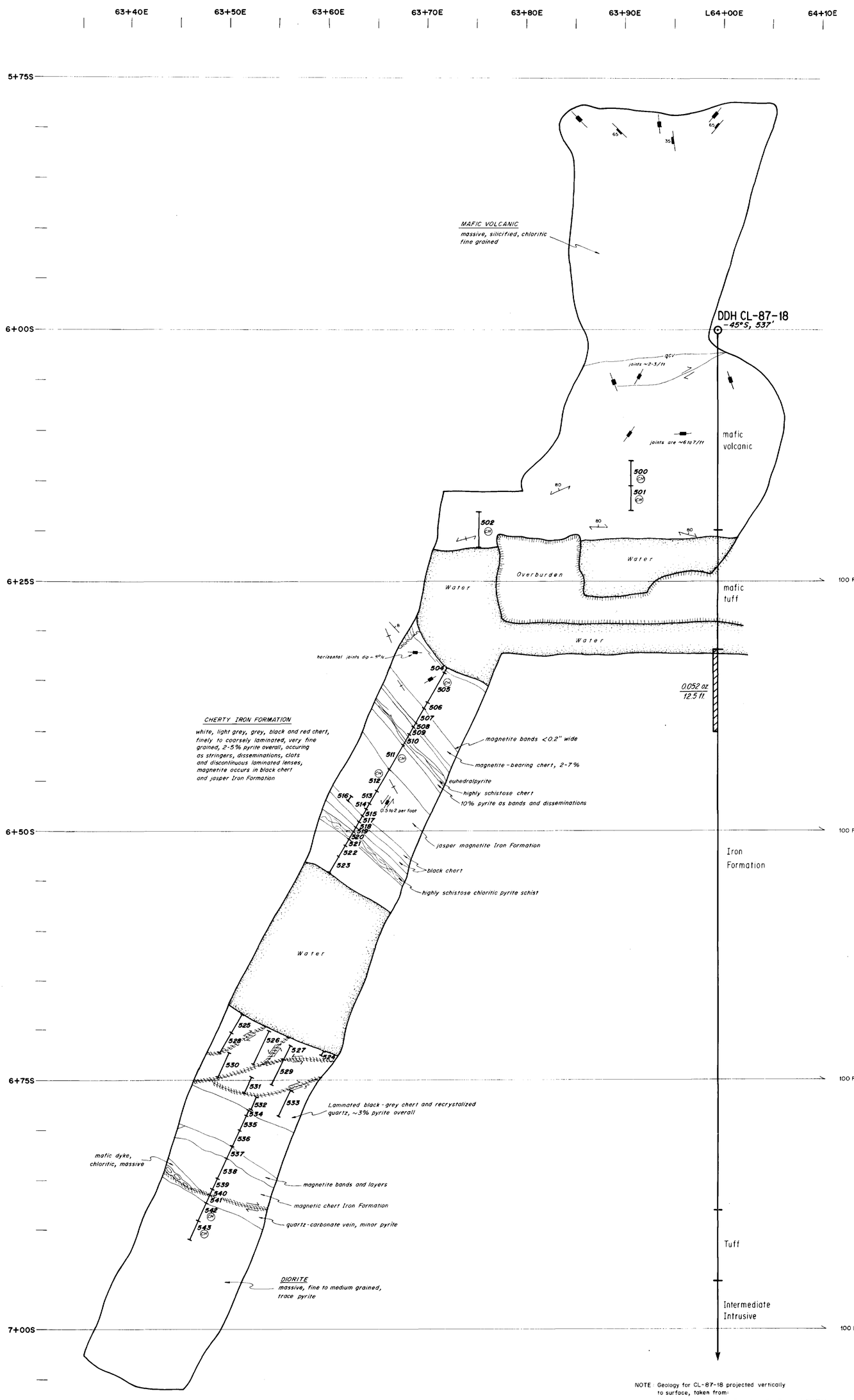
LINE 60+00E TRENCH

Project No: C-1448	By: A. Kamo, J. Hamilton
Scale: 1 Inch = 5 Feet	Drawn: A&N Cartographics
Drawing No: 8	Date: Dec. 1992

MPH Consulting Limited

290

760 feet
P740080
#3 Post
990 feet
59+50E



NOTE: Geology for CL-87-18 projected vertically to surface, taken from:

Dubeau, M.: Report on the Diamond Drilling Programme on the Cree Lake Property, Swayze Township, Ontario; Internal Report, Golden Rim Resources, 1987.

ASSAYS

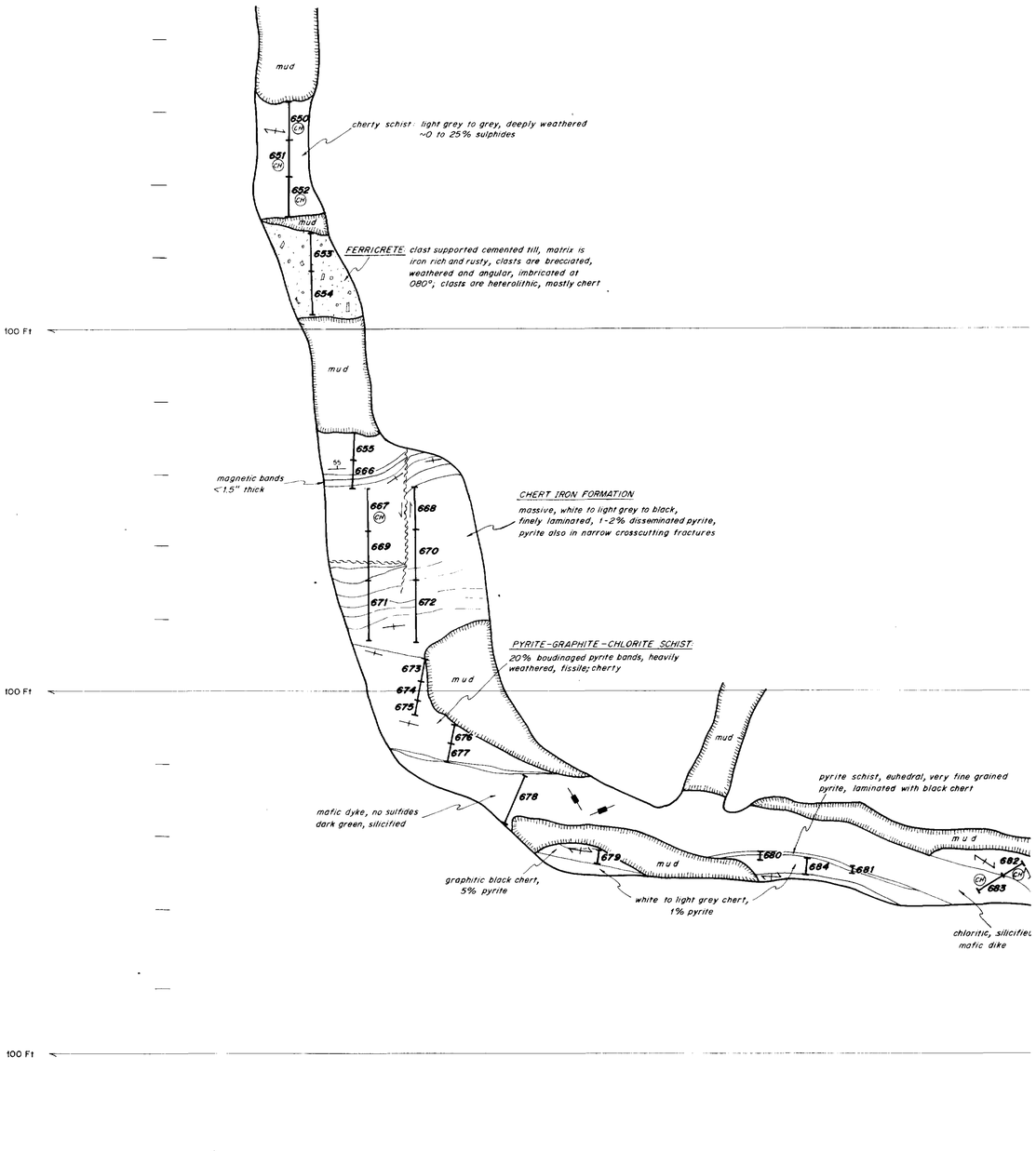
SAMPLE NUMBER	Au (ppb)
CL-92-500	2
CL-92-501	2
CL-92-502	7
CL-92-504	26
CL-92-505	5
CL-92-506	80
CL-92-507	17
CL-92-508	87
CL-92-509	9
CL-92-510	19
CL-92-511	17
CL-92-512	19
CL-92-513	5
CL-92-514	48
CL-92-515	105
CL-92-516	29
CL-92-517	9
CL-92-518	nd.
CL-92-519	293
CL-92-520	17
CL-92-521	117
CL-92-522	10
CL-92-523	33
CL-92-524	10
CL-92-525	26
CL-92-526	24
CL-92-527	10
CL-92-528	19
CL-92-529	9
CL-92-530	nd.
CL-92-531	nd.
CL-92-532	nd.
CL-92-533	17
CL-92-534	10
CL-92-535	9
CL-92-536	9
CL-92-537	9
CL-92-538	17
CL-92-539	5
CL-92-540	89
CL-92-541	nd.
CL-92-542	9
CL-92-543	3

nd - Not detected

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-650	10
CL-92-651	24
CL-92-652	17
CL-92-653	1076
CL-92-654	629
CL-92-655	65
CL-92-666	130
CL-92-667	nd.
CL-92-668	123
CL-92-669	50
CL-92-670	26
CL-92-671	22
CL-92-672	10
CL-92-673	86
CL-92-674	82
CL-92-675	154
CL-92-676	412
CL-92-677	87
CL-92-678	2
CL-92-679	nd.
CL-92-680	27
CL-92-681	48
CL-92-682	26
CL-92-683	12
CL-92-684	3

nd - Not detected



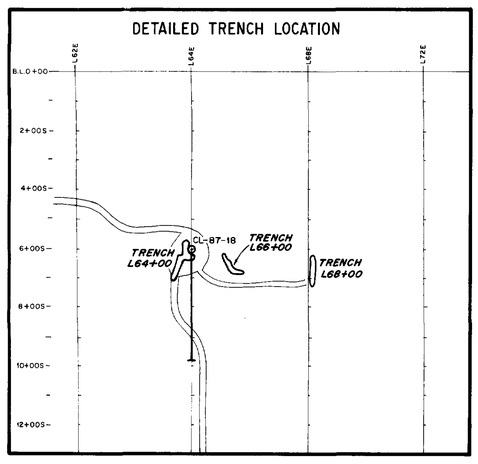
TRENCH L64+00E

Average depth ~3 feet

TRENCH 65+50E

Average depth ~4 feet

DETAILED TRENCH LOCATION



LEGEND

- Joints: inclined, vertical
- 678 — Sample Location with Number; CH Channel Sample
- Shear
- Foliation: inclined, vertical
- Strike and dip of bedding
- Contact

L64+00E 64+10E

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-500	2
CL-92-501	2
CL-92-502	7
CL-92-504	26
CL-92-505	5
CL-92-506	80
CL-92-507	17
CL-92-508	87
CL-92-509	9
CL-92-510	19
CL-92-511	17
CL-92-512	19
CL-92-513	5
CL-92-514	48
CL-92-515	105
CL-92-516	29
CL-92-517	9
CL-92-518	nd.
CL-92-519	293
CL-92-520	17
CL-92-521	117
CL-92-522	10
CL-92-523	33
CL-92-524	10
CL-92-525	26
CL-92-526	24
CL-92-527	10
CL-92-528	19
CL-92-529	9
CL-92-530	nd.
CL-92-531	nd.
CL-92-532	nd.
CL-92-533	17
CL-92-534	10
CL-92-535	9
CL-92-536	9
CL-92-537	9
CL-92-538	17
CL-92-539	5
CL-92-540	89
CL-92-541	nd.
CL-92-542	9
CL-92-543	3

nd - Not detected

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-650	10
CL-92-651	24
CL-92-652	17
CL-92-653	1076
CL-92-654	629
CL-92-655	65
CL-92-666	130
CL-92-667	nd.
CL-92-668	123
CL-92-669	50
CL-92-670	26
CL-92-671	22
CL-92-672	10
CL-92-673	86
CL-92-674	82
CL-92-675	154
CL-92-676	412
CL-92-677	87
CL-92-678	2
CL-92-679	nd.
CL-92-680	27
CL-92-681	48
CL-92-682	26
CL-92-683	12
CL-92-684	3

nd - Not detected

ASSAYS

SAMPLE NUMBER	Au (ppb)
CL-92-550	3
CL-92-551	3
CL-92-552	3
CL-92-553	2
CL-92-554	2
CL-92-555	nd.
CL-92-556	2
CL-92-557	163
CL-92-558	2
CL-92-559	7
CL-92-560	3
CL-92-561	2
CL-92-562	3
CL-92-563	3
CL-92-564	1
CL-92-565	2
CL-92-566	10
CL-92-567	nd.
CL-92-568	7
CL-92-569	nd.
CL-92-570	3
CL-92-571	2
CL-92-572	24
CL-92-573	34
CL-92-574	5
CL-92-575	3
CL-92-576	nd.
CL-92-577	14
CL-92-578	3
CL-92-579	18
CL-92-580	31
CL-92-581	26
CL-92-582	14
CL-92-583	33
CL-92-584	46
CL-92-585	83
CL-92-586	57
CL-92-587	74
CL-92-588	12

nd - Not detected

DDH CL-87-18
-45°S, 537'

mafic volcanic

mafic tuff

Iron Formation

Tuff

Intermediate Intrusive

87-18 projected vertically
from:
au, M.: Report on the Diamond Drilling Programme on the Cree Lake Property, Swayze Township, Ontario, Internal Report, Golden Rim Resources, 1987

65+20E 65+30E 65+40E 65+50E 65+60E 65+70E 65+80E 65+90E

100 Ft

mud
cherty schist: light grey to grey, deeply weathered ~0 to 25% sulphides
650 651 652 (CH)
FERRICRETE: clast supported cemented till, matrix is iron rich and rusty, clasts are brecciated, weathered and angular, imbricated at 080°; clasts are heterolithic, mostly chert
653 654
mud
magnetic bands <1.5" thick
50
655 656
CHERT IRON FORMATION
massive, white to light grey to black, finely laminated, 1-2% disseminated pyrite, pyrite also in narrow crosscutting fractures
667 668 669 670 671 672
PYRITE-GRAPHITE-CHLORITE SCHIST:
20% boudinaged pyrite bands, heavily weathered, fissile, cherty
673 674 675 676 677
mud
mafic dyke, no sulfides dark green, silicified
678
pyrite schist, euhedral, very fine grained pyrite, laminated with black chert
mud
679 680 684 681 682 683 (CH)
graphitic black chert, 5% pyrite
white to light grey chert, 1% pyrite
chloritic, silicified mafic dike
chert, 2% pyrite, dark grey and light grey laminations

190 Ft

IRON FORMATION:
highly schistose, weathers brown-red, predominately black chert with finely laminated grey chert, ~2% pyrite

588 587 586 585 584 583 582 581 580 579 578 577 576 575 574 573 572 571 570 569 568 567 566 565 564 563 562 561 560 559 558 557 556 555 554 552 551 550 (CH)
fractured at all angles, blocky
10% pyrite as laminations
graphitic laminations
20% disseminated pyrite
5% pyrite
20% pyrite as discontinuous, deformed lenses <0.25" wide
pyrite schist, up to 90% pyrite, finegrained to euhedral
dark grey chert with white, recrystallized quartz bands
brecciated chert lithified by black chert, trace pyrite
magnetite in black chert
magnetite Iron Formation
black chert, 15% finely disseminated to blebby pyrite with magnetite
DIORITE:
massive, fine grained, green, trace pyrite

6+25S 6+50S 6+75S 7+00S 7+25S

TRENCH 65+50E

Average depth ~4 feet

TRENCH L68+00E

Average depth ~5 feet

L68+00E 68+10E 68+20E 68+30E

610 feet
P740087 #1 Claim Post
1645 feet
6+15S

Bouldery Till
Water
mud blast rock

N

LEGEND

- Joints: inclined, verticle
- 678 (CH) Sample Location with Number Channel Sample
- Shear
- Foliation: inclined, vertical
- Strike and dip of bedding
- Contact

SCALE
0 5 10 15 20
FEET

2.14947

CREE LAKE RESOURCES CORP.

CREE LAKE PROPERTY

TRENCHES L64+00E, 65+50E, L68+00E

Project No. C-1448	By: J. Hamilton
Scale: 1 Inch = 5 Feet	Drawn: A&N Cartographics
Drawing No: 9	Date: Dec. 1992

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