010

ASSESSMENT REPORT
REVERSE CIRCULATION OVERBURDEN DRILLING PROGRAM
QUEBEC STURGEON RIVER MINES JOINT VENTURE
BLAKELOCK, HOBLITZELL, NOSEWORTHY, TOMLINSON AND HURTUBISE TOWNSHIPS, ONTARIO
NTS: 32-E-5

Inco Exploration and Technical Services, Inc./ Overburden Drilling Management Limited

November, 1990

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SUMMARY

The Quebec Sturgeon River Mines (QSR) Project area is located 80 km northeast of Cochrane, Ontario. The project comprises 447 contiguous mining claims in a joint venture agreement between QSR and Inco Limited. The property is situated in the northern part of the Precambrian Abitibi Subprovince and covers part of a volcanic-sedimentary sequence extending westward from a major supracrustal belt in western Quebec. The QSR property is underlain by a shallow-water submarine mafic to felsic volcanic and sedimentary sequence. The supracrustals are intruded by dykes, plugs and larger bodies of feldspar porphyry, granodiorite and quartz diorite.

This report describes a 1990 reverse circulation overburden drilling program totalling 647.5 m in 49 holes conducted by Inco Exploration and Technical Services, Inc. on the QSR joint venture property in Blakelock and Hoblitzell Townships in the Burntbush district of northeastern Ontario.

Forty-nine vertical holes were drilled to test two parallel, ENE trending, magnetic low trends representing potential auriferous shear zones. Bedrock was sampled to identify zones of deformation and alteration that could host gold mineralization. Overburden was sampled to test for glacially dispersed gold indicative of subcropping mineralization within these structural zones. The drill program showed that the eastern part of the northern magnetic low corridor is due to a weak shear zone in the Central Porphyry while the western part is due to a gabbro sill. The southern magnetic low trend is due to a magnetite-poor greywacke unit. Two new shear zones were identified near the north side of the Central Porphyry and near the south side of the West Porphyry. Weak gold anomalies are common in the bedrock samples but may be caused by an analytical problem because they show little relationship to shearing.

Significant overburden heavy mineral gold anomalies were not located in the 1990 QSR reverse circulation drilling program. Twelve of thirteen anomalies detected are due to visible gold grains which form the regional background and were amplified by the sampling procedure. The thirteenth anomaly was apparently created by drill bit milling of an auriferous clast high in the overburden section. Arsenic, antimony and nickel are not anomalous in the concentrates; zinc is weakly anomalous in one undersized concentrate and this is probably due to limitations of the analytical procedure.

1.0 INTRODUCTION

From January 31 to February 25, 1990, Inco Exploration and Technical Services, Inc. ("Inco") carried out a reverse circulation drilling program on the west half of its Quebec Sturgeon River Mines Limited (QSR) JV property in Blakelock, Hobiltzell, Noseworthy, Tomlinson and Hurtubise Townships in the Burntbush/Casa-Berardi region of the Abitibi Subprovince of northeastern Ontario. The program was undertaken to geochemically sample the Quaternary overburden and the Archean bedrock subcrop. Forty-nine (49) holes were drilled for a combined length of 647.5 metres. The JV property is situated 40 km west of Inco's gold deposits at Casa Berardi, Quebec. Gold occurrences are present on the property as well as immediately to the north and east on claims held by Cogema and Newmont.

2.0 LOCATION AND ACCESS

The QSR Project area (Fig. 1) is located in Blakelock, Hobiltzell, Noseworthy, Tomlinson and Hurtubise Townships in the Burntbush area, about 80 km northeast of Cochrane, Ontario. All season access to the property is achieved by helicopter or fixed wing aircraft from Cochrane. Winter access to the property is gained by travelling east from Cochrane on Highway 652 to Abitibi's Trans Limit forestry road then north on the Tomlinson road. A winter road continues north from the northern end of the Tomlinson road and provides access to the property during the winter months.

3.0 PROPERTY

The QSR joint venture property consists of 447 contiguous mining claims (Fig. 2) which are held:

336 claims - QSR/Inco 100%
24 claims - QSR/Inco 51%, International Interlake 49%
87 claims - QSR/Inco 50-70%, Glen Auden/Golden Dragon 50-30%

On the Glen Auden/Golden Dragon property, QSR/Inco has an option to earn a 50% interest by making cash payments and certain work expenditures. The QSR/Inco interest can increased to 70% by making additional expenditures.

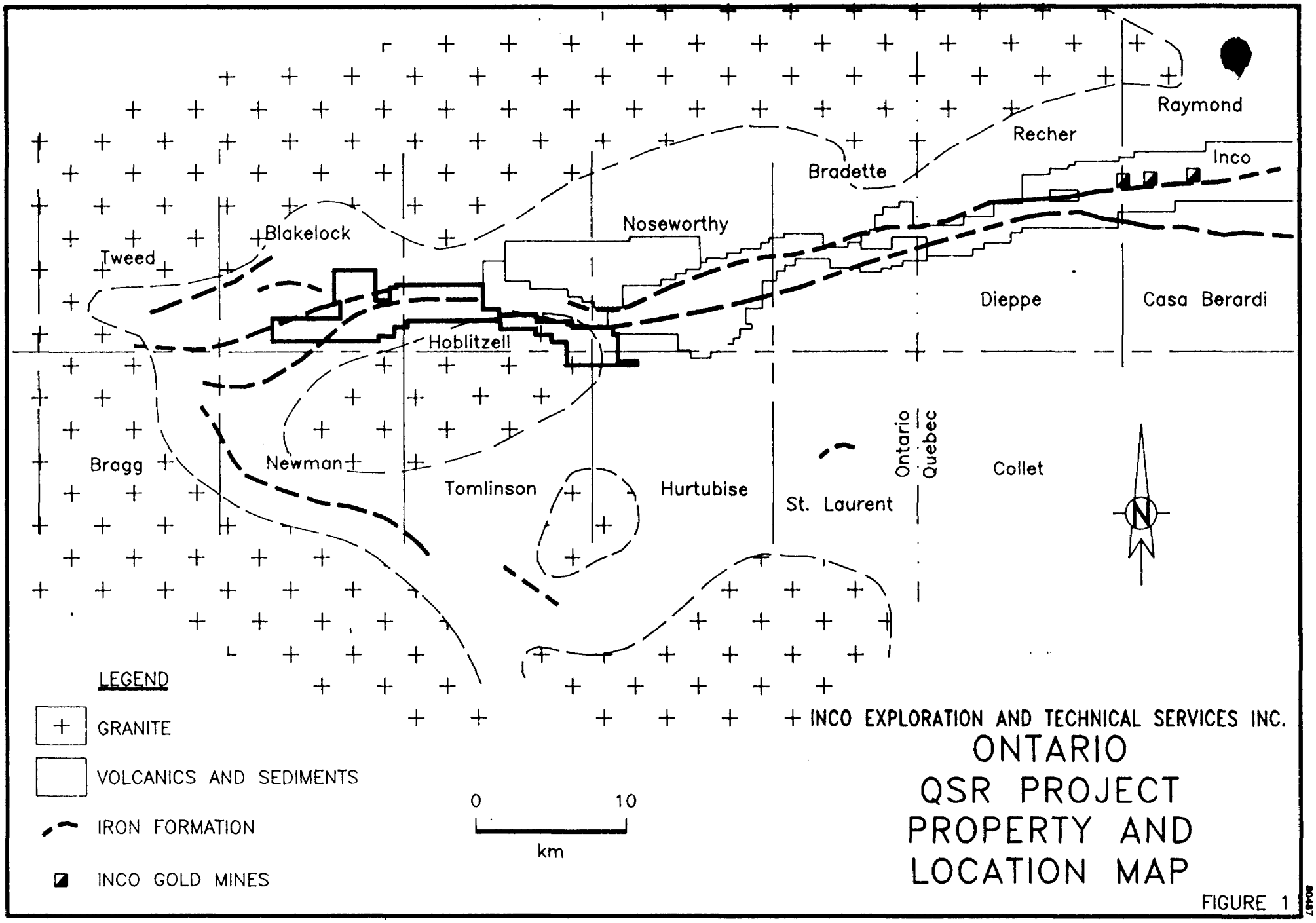
In 1989, Inco Exploration earned a 50% interest of QSR's interests and can increase its interest to 70% by making additional expenditures.

4.0 HISTORY

The discovery of copper-zinc mineralization at Normetal, Quebec, in 1925 led to sporadic prospecting activity in the area over the past 65 years. Exploration for gold increased with the discovery of gold at Detour Lake in 1974 by Amoco Canada Petroleum Company Limited and again in 1981 by the discovery of gold at Casa Berardi by Inco Limited.

1940: A property submission to Hollinger Mines indicated grab samples taken in the vicinity of West Porphyry Lake returned assays of 4.80 and 6.17 g/t gold.

1967: Texas Gulf Sulphur drilled two boreholes in the southwest corner of Blakelock Township. The holes intersected a series of dacitic to andesitic flows and tuffs with some quartz porphyries. Anomalous amounts of pyrrhotite and pyrite were located in andesitic and dacitic tuffs. No assays are available.


Raymond
Recher
Inco
Bradette
Noseworthy
Blakelock
Tweed
Dieppe
Casa Berardi
Hoblitzell
Ontario
Quebec
Bragg
Newman
Tomlinson
Hurtubise
St. Laurent
Collet
N
LEGEND
GRANITE
VOLCANICS AND SEDIMENTS
IRON FORMATION
INCO GOLD MINES
0
10
km
INCO EXPLORATION AND TECHNICAL SERVICES INC.
ONTARIO
QSR PROJECT
PROPERTY AND
LOCATION MAP
FIGURE 1
8048

Mikwam Lake

Mikwam River

QUEBEC STURGEON RIVER MINES LIMITED
GLEN AUDEN RESOURCES LIMITED
GOLDEN DRAGON RESOURCES LIMITED
MAUREX RESOURCES LIMITED

INCO LIMITED
QUEBEC STURGEON RIVER MINES LIMITE
INTERNATIONAL INTERLAKE IND. INC.
MAUREX RESOURCES LIMITED

BLAKELOCK TWP.

INCO LIMITED and
QUEBEC STURGEON RIVER
MINES LIMITED

Magiskan Lake

Mikwam River

Wasicho Lake

NEWMAN TWP.

Springer Lake

Sproule Lake

Twopeak Lake

Payntouk La

ITED

HOBLITZELL TWP.

NOTE:
le 805900 = L805900

49° 30'

INCO LIMITED and
QUEBEC STURGEON RIVER MINES LIMITED

Burntbush River

NOSEWORTHY TWP.

TOMLINSON TWP.

HURTUBISE TWP.

Lake

INCO EXPLORATION AND TECHNICAL SERVICES INC.

QSR PROJECT
ONTARIO
PROPERTY MAP

SCALE 1:50,000

42H/8,9
32E/5

Dec. 7/90

FIGURE 2

1974: Noranda Exploration conducted magnetometer and vertical loop EM surveys. A single hole was collared 800 metres west of the Tarzan block claim boundary; the hole intersected a 1 metre quartz feldspar porphyry dyke which assayed 1.03 g/t gold and 1.03 g/t silver.

1976: Hudson Bay Mining and Smelting conducted a HLEM survey in Hobiltzell Township northwest of West Porphyry Lake. A linear conductive trend was located but not tested.

1976: Geophysical Engineering conducted a VLF-EM survey east of Little Magiskan Lake in Blakelock Township. A conductor was located and drill tested. A 9.75 m zone with anomalous pyrite and pyrrhotite content was intersected but no anomalous gold assays were noted.

1985: Esso Minerals conducted an airborne magnetometer, EM and resistivity survey over the eastern half of the property. This was followed up by a 50 hole reverse circulation program. Several overburden anomalies were located in sandy gravels which yielded gold values ranging from 100 ppb to 1700 ppb gold.

1986: Esso Minerals conducted an airborne magnetometer, EM and resistivity survey over the western half of the property.

1987: Esso Minerals cut a large grid in the north-central part of the property and conducted an I.P. survey. This was followed by an 82 hole reverse circulation drill program and a 16 hole (2,104 metres) diamond drill program. Several overburden anomalies were located ranging from 100 ppb to 6765 ppb gold in till and sandy gravel.

1988: Esso Minerals extended the 1987 grid further west and carried out I.P., magnetometer and VLF-EM surveys. An 11 hole (1,932 metres) diamond drill program was carried out over the area to investigate geophysical targets.

4.1 Summary of Inco Exploration

1989: Inco Exploration acquired the property late in 1989. A property visit was made to check access for the 1990 RCD program. A compilation of all previous data was started.

5.0 REGIONAL GEOLOGY

The QSR property (Fig. 1) is situated in the northern part of the Precambrian Abitibi Subprovince. The property covers part of a metavolcanic-sedimentary sequence that forms a large tongue extending westward from a major supracrustal belt in western Quebec. The metavolcanic-sedimentary sequence in Ontario is surrounded by granitic rocks to the north, west and south and is intruded by several large granitic batholiths. The property covers the northwestern part of the tongue of supracrustals where east-west striking metavolcanic and metasedimentary rocks lie between granitic gneisses to the north and the Bateman Lake granodiorite pluton to the south. A pair of strong linear east-west oriented magnetic anomalies, that are associated with gold mineralization along the Casa Berardi Deformation Zone (CBDZ) in Quebec, can be traced westward through the metavolcanic-sedimentary supracrustal sequence of Ontario through the QSR property. The supracrustals are generally moderately to steeply dipping and tend to dip away from, and are probably domed by, the intrusive granitic bodies.

The metavolcanic and metasedimentary rocks within the property have undergone regional metamorphism from upper greenschist to middle amphibolite facies grade.

5.1 Property Geology

The QSR property is underlain by a shallow-water submarine mafic to felsic volcanic and sedimentary sequence that strikes east-west to east-northeast with foliation and bedding dipping 50 to 75 degrees to the north. The property can be divided into three main supracrustal units, a northern, middle and southern unit.

The northern unit is a mixed zone that consists dominantly of mafic volcanics with interdigitated horizons including intermediate volcanics and lesser waterlain hyaloclastite, pyroclastic and epiclastic interflow sediments. The western portion of the northern unit is dominated by massive and occasionally pillowed mafic volcanics.

The middle unit lies south of the northern unit and consists dominantly of waterlain felsic volcanic pyroclastics and fine grained argillaceous sediments. The main rock types include ash tuffs, feldspar and quartz feldspar crystal tuffs and lesser lapilli tuffs. Fine grained siltstones and argillites constitute the sedimentary sequence.

The southern unit consists dominantly of relatively mature, coarse clastic sediments comprised of thickly interbedded arenites and conglomerates.

The supracrustals are intruded by numerous thin dykes, plugs and larger bodies of feldspar porphyry, granodiorite to quartz diorite and lesser amounts of feldspar porphyry dykes. Later diabase dykes cut all of these units.

6.0 DRILLING AND SAMPLING

Inco contracted Bradley Bros. Ltd. of Timmins, Ontario to perform the drilling and provide ancillary support services including road clearing. Overburden Drilling Management Limited ("ODM") of Nepean, Ontario provided one geologist, P. Collins, for reverse circulation drill hole logging and training of Inco personnel. Inco personnel included geologists K. Hannila and D. Truscott and geotechnician C. Laamanen.

Forty-nine (49) vertical holes (Table 1) were drilled to test two parallel, ENE trending, magnetic low trends representing potential auriferous shear zones. Bedrock was sampled to identify zones of deformation and alteration that could host gold mineralization. Overburden was sampled to test for glacially dispersed gold indicative of subcropping mineralization within these structural zones.

6.1 Drilling Equipment

Bradley's drill rig employed an Acker MP drill head with a 3 metre feed cylinder. The drill, together with all its ancillary equipment including air compressor, water pump and logging and sampling facilities, was unitized and enclosed on the bed of a Nodwell Model 240 tracked carrier for all-terrain mobility and all-weather operation.

The rig employed an air compressor with a rated capacity of 300 cfm at 160 psi and a water pump with a capacity of 20 gpm at 600 psi. Water flow was normally restricted to 4 to 6 gpm to improve recovery of fines. The rig was equipped with a 110 volt generator and "Cool White" fluorescent fixtures that simulate natural sunlight for accurate sample logging. All equipment except the air compressor and Nodwell carrier was operated hydrostatically from a central diesel engine.

TABLE 1

QSR - REVERSE CIRCULATION DRILL SUMMARY

Hole Number	Coordinates	Dip	Depth to B/R (m)	Final Depth (m)
85101	3200E/ 460S	-90	29.1	31.0
85102	3600E/ 420S	-90	5.2	6.8
85103	4000E/ 400S	-90	20.7	22.0
85104	4400E/ 400S	-90	29.3	31.0
85105	4800E/ 400S	-90	40.7	42.0
85106	2700E/ 500S	-90	8.4	10.0
85107	2400E/ 780N	-90	14.2	15.5
85108	2800E/ 900N	-90	15.0	16.5
85109	3200E/1000N	-90	15.5	17.0
85110	3600E/1100N	-90	6.0	7.5
85111	1800E/ 500S	-90	11.5	13.0
85112	1400E/ 700S	-90	3.8	5.5
85113	1000E/ 800S	-90	2.1	3.6
85114	600E/ 870S	-90	0.2	1.5
85115	200E/ 900S	-90	2.0	3.5
85116	160W/1050S	-90	4.3	6.0
85117	600W/1220S	-90	15.0	16.5
85118	1000W/1235S	-90	9.7	11.7
85119	1400W/1250S	-90	16.2	18.0
85120	1600W/ 580S	-90	25.9	28.0
85121	2000W/ 690S	-90	15.1	17.1
85122	2400W/ 800S	-90	11.4	13.0
85123	2800W/ 905S	-90	14.5	16.5
85124	3200W/1100S	-90	11.6	13.0
85125	3400W/1800S	-90	15.8	17.2
85126	3600W/1900S	-90	5.8	7.5
85127	4000W/2000S	-90	9.3	10.5
85128	4200W/2000S	-90	18.4	19.5
85129	4400W/2100S	-90	10.0	11.5
85130	4800W/2200S	-90	7.8	9.0
85131	300W/ 500S	-90	3.3	4.8
85132	500W/ 300S	-90	7.5	9.5
85133	300W/ 300S	-90	1.6	3.0
85134	1800W/ 645S	-90	10.6	11.8
85135	2200W/ 790S	-90	15.0	16.5
85136	2600W/ 785S	-90	7.4	9.0
85137	3000W/1105S	-90	5.0	7.0
85138	3400W/1135S	-90	7.6	8.1
85139	3020W/1780S	-90	3.0	5.0
85140	4600W/2200S	-90	6.1	7.1
85141	5000W/2325S	-90	6.5	8.0
85142	5200W/2325S	-90	3.0	4.5
85143	6200W/2725S	-90	22.0	23.6
85144	6000W/2700S	-90	5.0	6.3
85145	5600W/2475S	-90	5.9	7.2
85146	5200W/1550S	-90	7.3	8.2
85147	5600W/1775S	-90	19.8	21.0
85148	6800W/1995S	-90	12.2	13.5
85149	6400W/2040S	-90	---	32.0 (Abnd)
			Total	647.5 m

6.2 Logging and Sampling

The QSR overburden samples were collected in two 20 litre buckets coupled with a plastic tube. This procedure ensures a quiet settling environment thus reducing the loss of fines encountered if only one bucket is used and allowed to overflow. Most of the clay is still lost but a research study made by (Dimock, 1985) showed that sand loss is insignificant and silt loss is reduced to 40 percent compared to 72 percent with the one-bucket system.

A 10-mesh (1700 micron) screen was employed over the first bucket to separate and discard the majority of rock cuttings and thereby increase the proportion of matrix material which is used to identify and trace dispersal trains. The +10 mesh rock cuttings were constantly monitored for any variations which could give clues to overburden stratigraphy, or for any clasts indicative of an environment suitable for gold or base metal mineralization. Approximately 20 percent of the cuttings were kept for future reference. The degree of sorting of the -10 mesh matrix was monitored to differentiate till from sand and gravel.

Till units were sampled continuously using an average sample interval of 1.5 metres. Glaciofluvial sand and gravel were sampled over longer, 3 to 6 metre intervals because they are far-travelled and thus generally ineffective for mineral tracing. Glaciolacustrine clay and silt were not sampled. Following collection, the overburden samples were reduced to 7-9 kilograms, packed in heavy plastic bags and shipped in 20-litre metal pails to ODM's processing laboratory in Nepean, Ontario.

Forty-nine holes (Fig. 4) were drilled. All but one of the holes penetrated the entire overburden section and extended approximately 1.5 metres into bedrock. In total, 145 overburden and 139 bedrock chip samples were collected. The detailed drill logs are included in Appendix A.

Heavy mineral concentrates were prepared from the overburden samples at ODM's laboratory in Nepean, Ontario. Gold particles (Appendix B) sighted during processing were measured to determine their individual contribution to the overall gold content of the concentrates and were classified according to their distance of glacial transport (Fig. 3).

Three 0.5 metre samples were taken from each 1.5 metre bedrock intersection. One representative sample from each hole was logged by ODM under a binocular microscope to establish the local bedrock lithologic, structural and alteration patterns. In a separate study, ODM evaluated the bedrock samples collected from two previous phases of drilling and concluded that pyritization of magnetite in sheared feldspar porphyry intrusions is the main control for gold mineralization on and near the property (Averill, 1990).

For the 1990 program, subsamples of all bedrock chip samples (Appendix C) and heavy mineral concentrates were analyzed for gold plus 33 elements (Appendix D) by instrumental neutron activation (INA) analysis. Subsequently the heavy mineral concentrates of some overburden samples that yielded anomalies were check panned and/or examined to determine the probable cause of the anomalies.

The two magnetic lows tested on the QSR property in 1990 trend roughly east-west and the preserved till is probably southward-transported (165 degrees), considering the modest overburden depth (average 12 metres). Consequently, apron-like dispersal trains are the most likely overburden target. The two magnetic lows were each tested with a single drill traverse oriented parallel to and positioned 100 m south of the target. Drill holes were typically spaced every 200 m, but this was increased to up to 400 m at the west end of the drill area where the formational magnetic lows are obscured by intrusive-related magnetic patterns.

6.3 Sample Processing

Overburden Drilling Management's processing procedures for overburden samples are illustrated in the flow sheet (Table 2) and can be divided into several stages.

A 250 gram character sample is extracted from the bulk sample using a tube-type sampler. This character sample is dried and stored for future reference. On some programs, its minus 250 mesh fraction is separated and analyzed to check for metals that are occluded in low density minerals and therefore not recovered in the heavy mineral concentrates. The remainder of the bulk sample is weighed wet and is sieved at 1700 microns (10 mesh) to separate the clasts from the matrix. The +1700 micron clasts are weighed wet and the -1700 micron matrix is processed on a shaking table to obtain a preconcentrate. The table concentrate and all fractions obtained from it are weighed dry. The sample weights are listed in Appendix B.

While the samples are being tabled, special procedures are used to effect the separation of gold grains from the other heavy minerals. These grains are picked from the deck, placed under a binocular microscope, measured to obtain an estimate of their contribution to the eventual assay of the concentrate and classified as delicate, irregular or abraded (Fig. 3) to determine their approximate distance of glacial transport. After the gold grains have been examined, they are recombined with the table concentrate. This concentrate is dried and a heavy liquid separation in methylene iodide (specific gravity 3.3) is performed. The light fraction (S.G. less than 3.3) is stored and the heavy fraction undergoes a magnetic separation to remove drill steel and magnetite. The magnetic separates are checked to ensure that they contain not more than five percent pyrrhotite.

6.4 Sample Analysis

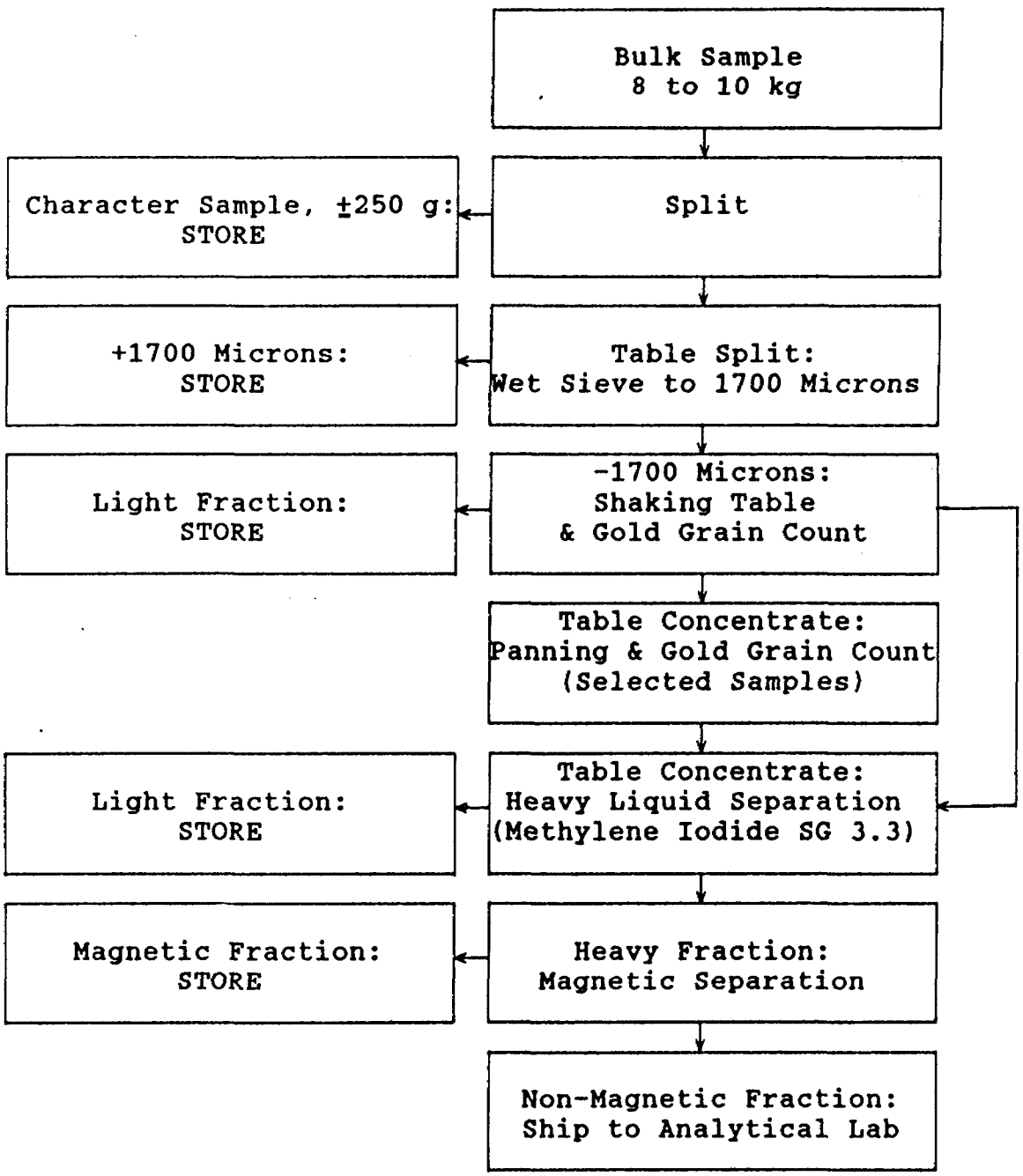
Subsamples of the bedrock chips (Appendix C) and whole non-magnetic overburden heavy mineral concentrates (Appendix D) were analyzed for gold + 33 elements (plus tin and potassium for bedrock samples) by instrumental neutron activation (INA) analysis at Activation Laboratories Ltd. in Ancaster, Ontario. Analytical specifications are shown in Table 3.

Using the INA procedure, the heavy mineral concentrates require no sample preparation (pulping) thus, the sample is preserved for additional geochemical or mineralogical work that may be required later. In contrast, the bedrock chips are pulped to -150 mesh and a one assay ton (30 gram) sample is analyzed. Essentially the same element suite is reported for both the bedrock and heavy minerals, but better detection limits are obtained for several of the bedrock elements (e.g. nickel and zinc detection limits are lowered to 50 ppm from 200 ppm).

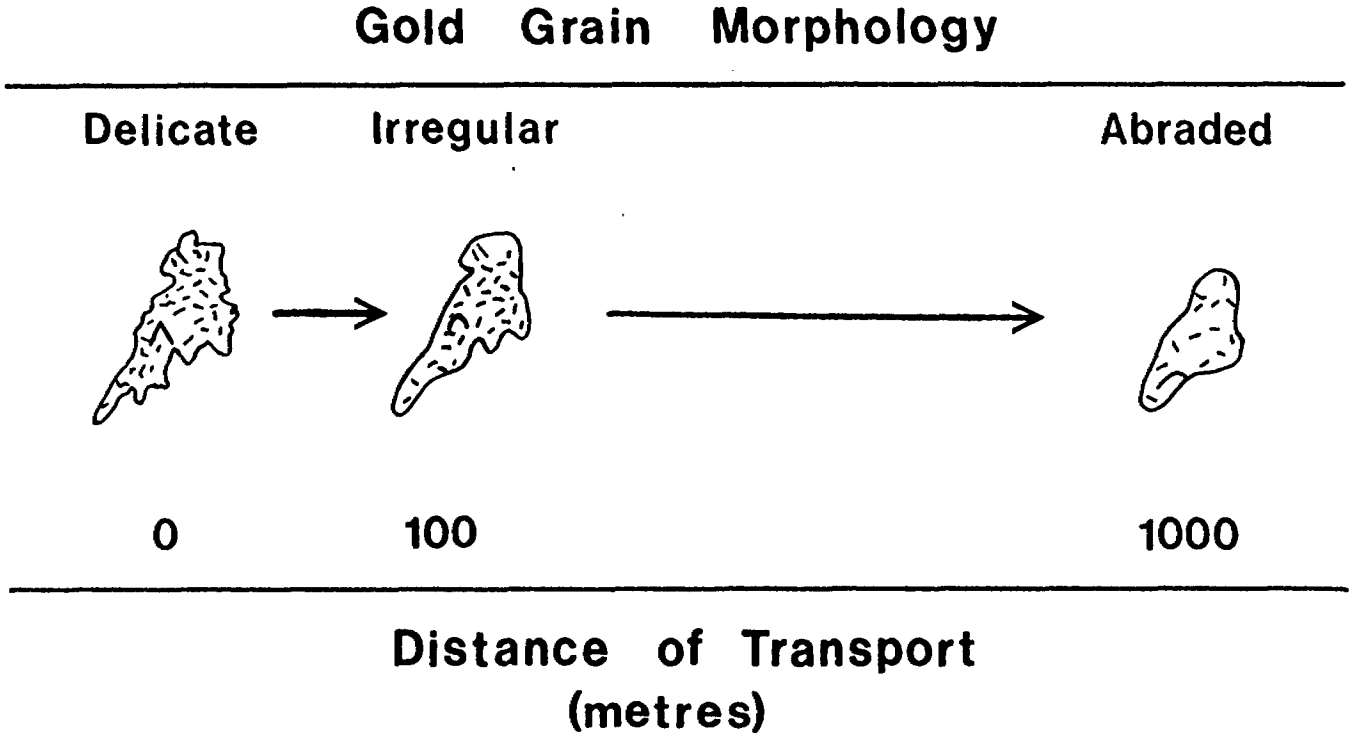
7.0 OVERBURDEN GEOLOGY

Tills from three major glaciations and sediments from two interglacial periods are present in area. The oldest (Kansan ?) till is so rarely preserved that it is not significant in exploration. The next till (Lower Till) was deposited by ice moving southwestward from New Quebec in Illinoian time. It is preserved in many buried valleys and contains the dispersal trains from any mineralization in these valleys. The youngest till was deposited by Late Wisconsinan ice of the Laurentide sheet that originally moved southwestward from New Quebec (Veillette et al., 1989) but during glacial recession split into a southeast-moving Hudson mass west of Longitude 78°W (Val d'Or and Joutel), where the QSR property is located, and a southwest moving New Quebec mass in the area east of this longitude. The esker-like Harricana Interlobate Moraine was deposited at the contact between the two ice masses. The till to the west is known as Matheson Till. The till to the east has been informally named the Chibougamau Till.

TABLE 2



Sample Processing Flow Sheet



Effects of Glacial Transport on Gold Particle Size and Shape

(Developed by Overburden Drilling Management Limited)

FIGURE 3

TABLE 3

Sample Type	Sample Preparation	Element		Lower Detection Limit HMC	Lower Detection Limit Bedrock	Unit of Measure	Method
Heavy mineral concentrates and Bedrock chips	None	Au	Gold	5	5	ppb	Neutron Activation
		Ag	Silver	5	5	ppm	Neutron Activation
	Pulverize to -150 mesh (30 g subsample)	As	Arsenic	2	2	ppm	Neutron Activation
		Ba	Barite	200	100	ppm	Neutron Activation
		Br	Bromine	5	1	ppm	Neutron Activation
		Ca	Calcium	1	1	percent	Neutron Activation
		Co	Cobalt	5	5	ppm	Neutron Activation
		Cr	Chromium	10	10	ppm	Neutron Activation
		Cs	Cesium	2	2	ppm	Neutron Activation
		Fe	Iron	0.02	0.02	percent	Neutron Activation
		Hf	Hafnium	1	1	ppm	Neutron Activation
		Hg	Mercury	5	1	ppm	Neutron Activation
		Ir	Iridium	40	5	ppb	Neutron Activation
		K	Potassium	NA	0.5	percent	Neutron Activation
		Mo	Molybdenum	20	5	ppm	Neutron Activation
		Na	Sodium	500	500	ppm	Neutron Activation
		Ni	Nickel	200	50	ppm	Neutron Activation
		Rb	Rubidium	50	30	ppm	Neutron Activation
		Sb	Antimony	0.2	0.2	ppm	Neutron Activation
		Sc	Scandium	0.1	0.1	ppm	Neutron Activation
		Se	Selenium	20	5	ppm	Neutron Activation
		Sn	Tin	NA	0.01	percent	Neutron Activation
		Sr	Strontium	0.2	0.05	percent	Neutron Activation
		Ta	Tantalum	1	1	ppm	Neutron Activation
		Th	Thorium	0.5	0.5	ppm	Neutron Activation
		U	Uranium	0.5	0.5	ppm	Neutron Activation
		W	Tungsten	4	4	ppm	Neutron Activation
		Zn	Zinc	200	50	ppm	Neutron Activation
		La	Lanthanum	1	1	ppm	Neutron Activation
		Ce	Cerium	3	3	ppm	Neutron Activation
		Nd	Neodymium	10	5	ppm	Neutron Activation
		Sm	Samarium	0.1	0.1	ppm	Neutron Activation
		Eu	Europium	0.2	0.2	ppm	Neutron Activation
		Tb	Terbium	2	0.5	ppm	Neutron Activation
		Yb	Ytterbium	0.2	0.05	ppm	Neutron Activation
		Lu	Lutetium	0.1	0.05	ppm	Neutron Activation

Activation Laboratories Analytical Specifications

During Early Wisconsinan ice advance 100,000 years ago and during Late Wisconsinan ice recession 10,000 years ago, the region was flooded by glacial Lakes Ojibway I and II, respectively, which drained southward over the Hudson Bay - St. Lawrence River divide. Varied clay, silt and fine sand sheets up to 30 metres thick were deposited in both lakes. The Ojibway I sediments conformably overlie the Sangamon interglacial sediments and the complete Sangamon/Early Wisconsinan package is known as the Missinabi Formation (Skinner, 1973). The Ojibway I sediments coarsen upward because they were deposited from a transgressive ice sheet that was pushing the lake southward. They were overridden for 90,000 years by the 3 to 4 km thick Wisconsinan ice sheet and are overconsolidated, dry and platy whereas the Ojibway II sediments, which were deposited from regressive ice, fine upward and are soft. Glaciofluvial esker/delta sands and gravels were deposited by the meltwater rivers that fed both lakes.

The final glacial event in the Abitibi region was a minor southeastward readvance of a thin lobe of ice from the Hudson mass into the northern part of Lake Ojibway II and over the northern part of the Harricana Moraine (Veillette et al., 1989), depositing Cochrane till which consists mainly of clay recycled from the soft lake bed. When the Cochrane ice melted, Lake Ojibway II drained northward, exposing the Late Wisconsinan esker ridges to considerable erosion by wave and wind action until they became stabilized by vegetation.

Quaternary units intersected in the 1990 QSR reverse circulation drill program include: (1) rare buried remnants of Illinoian-age Lower Till and Sangamon to Early Wisconsinan-age Missinabi Formation, (2) widespread sheets of Late Wisconsinan-age Matheson Till, Ojibway II glaciofluvial and glaciolacustrine sediments, Cochrane Till and coeval sand and gravel, and (3) a surface veneer of Holocene-age organic debris. The pre-Late Wisconsinan deposits were intersected in only two holes on the northern drill traverse on the Tarzan/Goldrock claim block. The holes are relatively deep (one was abandoned) because they intersected the bedrock depression associated with the roof pendant in the West Porphyry, and the deposits were sheltered by this depression from the erosive force of the Wisconsinan ice. Elsewhere a relatively thin layer of Matheson Till contacts the bedrock except in a few holes where it is supplanted by Ojibway II glaciofluvial sand and gravel or Cochrane Till. The Cochrane Till is continuous over most of the property. A veneer of Holocene peat or forest litter constitutes the surface horizon throughout the drill area.

The direction of ice flow for the Matheson Till was about 260 degrees, shifting sharply to 165 degrees during deglaciation (Veillette et al., 1989). The relatively flat bedrock topography in the QSR drill area, together with the poor preservation of pre-Wisconsinan deposits, suggests that most of the Matheson Till was deposited during the post-shift, 165 degree ice flow event. Well-developed flutings on the surface of the Cochrane Till throughout the Burntbush - Casa-Berardi region show that this till was deposited by 140 to 150 degree ice flow.

8.0 OVERBURDEN GEOCHEMISTRY

8.1 Heavy Mineral Concentrate Gold Anomalies

Of the one hundred and forty-five (145) heavy mineral concentrates, none exceeded the first anomaly threshold of ten or more gold grains. However, thirteen concentrates (9 percent of samples processed) produced measured and/or calculated gold assays greater than the second anomaly threshold of 1000 ppb gold. The thirteen heavy mineral anomalies were hosted in samples of Matheson Till (7), Ojibway II sand and gravel (2), Cochrane Till (2) and combinations of these media (2). The anomalies were found in eleven of the forty-nine QSR reverse circulation drill holes (Table 4).

Gold Anomalies				Grains V.G. (*Not Panned)	1st Stage Screening (Vert. Cont.)	2nd and 3rd Stage Screening		Remarks	Anomaly Group
Hole No.	Sample No.	Au Assay (ppb) Meas.	Calc.			Meas.:Calc. Assay Ratio	Nugget Effect		
85101	176003	3,470	0	0	No (Ojib. II gravel/ Matheson Till)	--	No	Check-panned conc.; found no V.G., 60% pyrite.	E
85105	176031	926	1,046	6	No (Matheson Till)	0.9	Observed	All gold grains reshaped. 68% of calc. assay contributed by one nugget.	A
85108	176049	5,930	13,235	1	No (Matheson Till)	0.4	Observed	Gold grain reshaped. See Table 12.	A
85118	176103	1,490	6,205	4	No (Cochrane Till)	0.2	Observed	All gold grains reshaped. 91% of calc. assay contributed by one nugget. See Table 12.	A
	176105	714	1,447	7	No (Ojib. II sand)	0.5	Observed	All gold grains reshaped. 73% of calc. assay contributed by one nugget. See Table 12.	A
85120	176117	1,010	1,651	*1	No (Matheson Till)	0.6	Observed	Gold grain reshaped.	A
85120	176119	2,160	2,262	3	No (Matheson Till)	1.0	Observed	All gold grains reshaped. 95% of calc. assay contributed by one nugget.	A
85121	176128	3,410	5,194	*1	Basal Sample (Cochrane Till/ Matheson Till)	0.7	Observed	Gold grain reshaped.	A
85123	176147	357	1,007	5	Vertical (Matheson Till)	0.4	Observed	All gold grains reshaped. 66% of calc. assay contributed by one nugget. See Table 12.	A
	176148	804	2,059	5	Vertical, Basal Sample (Matheson Till)	0.4	Observed	All gold grains reshaped. 72% of calc. assay contributed by one nugget. See Table 12.	A
85130	176181	512	1,050	3	Basal Sample (Matheson Till)	0.5	Observed	All gold grains reshaped. 60% of calc. assay contributed by one nugget. See Table 12.	A
85132	176189	1,410	2,543	2	Basal Sample (Cochrane Till)	0.6	Observed	Both gold grains reshaped. 75% of calc. assay contributed by one nugget.	A
85135	176203	1,190	1,891	4	No (Matheson Till)	0.6	Observed	Two gold grains reshaped and two modified. 60% of calc. assay contributed by one reshaped nugget.	A

Table 4 – Data Summary of Heavy Mineral Gold Anomaly Screening

A systematic three-stage screening process was applied to each of the thirteen anomalous samples (Table 4). The objective of eliminating background noise and isolating any dispersal train anomalies that may be present. The simplest stage in the screening process is to downgrade anomalies which have no vertical stratigraphic continuity; however, these anomalies are not completely eliminated until their cause is determined. To have true vertical stratigraphic continuity, a gold anomaly must extend through two or more consecutive samples of one till horizon and display dispersal train characteristics (e.g. delicate visible gold grains, occluded gold or pathfinder associations) in each sample. Sometimes two consecutive samples of the same till horizon are anomalous by coincidence as a result of background noise in one or both samples caused by the nugget effect or/and the cluster (particle sparsity) effect.

Second stage screening showed that twelve of the thirteen QSR heavy mineral gold anomalies are Group A nugget anomalies giving calculated assays compatible with the measured assays. Third stage screening has identified the other anomaly as a Group E anomaly caused by occluded gold. Seven of the eliminated anomalies were already downgraded in first stage screening by a lack of vertical stratigraphic continuity. The vertical continuity or basal position displayed by the other five eliminated anomalies is coincidental.

8.2 Heavy Mineral Concentrate Anomalies (Arsenic, Zinc, Nickel and Antimony)

The heavy mineral anomaly threshold for arsenic, zinc and nickel is 800 ppm. The threshold for antimony has not been established. Of the 145 QSR heavy mineral concentrates, only one produced an anomaly, RX 176084 (BH 85115) assayed 1200 ppm zinc. Elevated background results approaching the anomaly threshold are rare.

Arsenic values average around 30 ppm and none exceed 100 ppm. Zinc values range from less than the 200 ppm detection limit (80 percent of samples) to 450 ppm (excluding the anomaly). Because of the high detection limit, it is believed that the elevated results are more a reflection of detection limit variations than true increased concentrations of zinc in the overburden. This is supported by examination of the anomalous concentrate, which is very small (2.4 g), and not only lacks zinc minerals but also has a very low pyrite concentration (0.1 percent). Nickel values exceeded detection (200 ppm) in only three cases. Antimony values range from less than the 0.2 ppm detection limit (95 percent of samples) to 3 ppm, which is too low to be significant.

9.0 BEDROCK GEOLOGY - 1990 REVERSE CIRCULATION DRILLING

The supracrustal rocks drilled on the QSR property comprise abundant turbidites and minor basalt with subvolcanic gabbro sills and feldspar porphyry stocks. A younger granodiorite pluton is present in the south and related dykes occur in the southwest.

Feldspar porphyry is particularly abundant. It forms three major stocks, the East Porphyry, the Central Porphyry and the West Porphyry, and several smaller bodies. The feldspar porphyry is of intermediate composition and is nearly alkalic, i.e. quartz-poor and very albitic. It contains low and variable concentrations of magnetite, and therefore produces a very irregular magnetic pattern. The stocks are broadly sill-like but in detail display cross-cutting relationships with the turbidites and basalt. Most recognized shear zones on the property are hosted in the feldspar porphyry stocks. Alteration along these shear zones is characterized by pyritization. The best gold mineralization encountered is located in the West Porphyry and coincides with the zone of greatest pyrite enrichment. A younger shear zone that post-dates granodioritic plutonism is present south of the West Porphyry. This shear zone is characterized by pyrite-chlorite-silica alteration and is locally anomalous in gold.

The 1990 drilling provided more detail on the positions of some contacts. The same lithologic units were recognized with the addition of diabase. Where the geology is more diverse and the distribution of pre-1990 drill holes is patchy, a number of contacts were shifted, some were extended and some were added.

Shear deformation identified in the 1990 drill holes is largely restricted to the Central and West Porphyry drilling. A new east-west trending shear zone was intersected along the magnetic low target in the Central Porphyry. This shear zone could be the western extension of the Cogema Horizon (the host of the Cogema gold zone) although it occurs within rather than at the contact of the porphyry. Another new shear zone was intersected in the five drill holes in the southern part of the West Porphyry along a strike length of 1.5 km. This shear zone closes to the west against unsheared granodiorite but it may extend 2.5 km eastward to an area of moderate shearing identified in BH's 85117 and 85118. In BH's 85128 and 15129, the shearing is pronounced and obliterates the original texture of the rocks.

Alteration in the 1990 drill holes is commonly weak even in the well-sheared samples. The only strong pyritization observed was noted in BH 85138, which was drilled on the northern traverse at the east contact of the West Porphyry. The sample is a well brecciated siltstone which is also silicified and hematized.

10.0 BEDROCK GEOCHEMISTRY

The gold content of the bedrock samples is commonly less than 5 ppb; weak spikes of 10 to 50 ppb were obtained from twenty-three samples in fifteen holes throughout the drill area.

1) 10 to 31 ppb in six unsheared to weakly sheared turbidite samples from four holes along the east half of the southern traverse;

2) 12 to 27 ppb in four samples from three holes along the gabbro/turbidite contact;

3) 15 to 41 ppb in two unsheared greywacke samples from two holes at the southwest end of the Central Porphyry;

4) 17 to 48 ppb in three strongly sheared and altered siltstone samples from Hole 85138 on the eastern contact of the West Porphyry along the northern traverse;

5) 11 to 19 ppb in three weakly to strongly sheared samples from the West Porphyry;

6) 10 ppb in one weakly sheared greywacke at the eastern contact of the West Porphyry along the southern traverse;

7) 11 to 23 ppb in three unsheared diabase samples from Hole 85143 on the Tarzan/Goldrock claim block;

8) 18 ppb in one unsheared basalt sample from the Tarzan/Goldrock claim block.

The gold anomalies all lack pathfinder associations and are of limited significance. Arsenic values are very low, ranging from less than detection (2 ppm) to 22 ppm. Antimony occurs only in background concentrations (maximum 0.9 ppm). Zinc is the only other analyzed element of potential significance as a gold pathfinder. Zinc values range from less than the 50 ppm detection limit to 460 ppm.

11.0 CONCLUSIONS

The objectives of the QSR reverse circulation drilling/heavy mineral geochemical sampling program were to test the overburden (down-ice from two ENE-trending magnetic low zones) for glacially dispersed gold indicative of subcropping mineralization and to delineate zones of intense bedrock deformation and/or alteration that could host epigenetic gold mineralization.

Thirteen heavy mineral gold anomalies were identified. Twelve may be attributed to amplification of background concentrations of visible gold nuggets by the sampling procedure. The remaining anomaly could be attributed to contamination of the till matrix by clast-hosted occluded gold. The drilling yielded no positive results. The Matheson Till is well suited to geochemical sampling because it was intersected in 85 percent of the drill holes, is of a reasonable thickness (average 3 m) and is largely derived from local bedrock. No heavy mineral arsenic, antimony or nickel anomalies were encountered; one weak zinc anomaly was located.

With respect to the second objective, the drilling was partially successful. Previously unrecognized shear zones were identified crossing the northern part of the Central Porphyry and the south part of the West Porphyry, however, alteration is very weak in these shear zones.

12.0 REFERENCES

Averill, S.A.
1990: Bedrock Geology of 1986 and 1987 Esso Reverse Circulation Drill Holes: Quebec Sturgeon River Option, Blakelock, Hoblitzell, Noseworthy, Tomlinson and Hurtubise Townships, Ontario; unpublished report prepared by Overburden Drilling Management Limited for Inco Exploration and Technical Services, Inc., 31 p. and 1 plan at 1:20,000 scale.

1986: Advice for Juniors Following Dispersal Trains; The Northern Miner, Junior Mining Section, June 16, 1986, p. B2.

1978: Overburden Exploration and the New Glacial History of Northern Canada; Canadian Mining Journal, Vol. 99, No. 4, pp. 58-64.

Averill, S.A.,Graham, K.C.
1990: 1990 Reverse Circulation Overburden Drilling and Heavy Mineral Geochemical Sampling: Casa-Berardi Property; unpublished report prepared by Overburden Drilling Management for Inco Exploration and Technical Services, Inc., 75 p. and 1 plan at 1:5,000 scale.

Bates, M.P., Halls, H.C.
1990: Regional Variation in Paleomagnetic Polarity of the Matachewan Dyke Swarm Related to the Kapuskasing Structural Zone, Ontario; Canadian Journal of Earth Sciences, V. 27, No. 2, pp. 200-211.

Bostock, H.S.
1968: Physiographic Regions; Geology and Economic Minerals of Canada, 5th Edition (ed. by R.J.W. Douglas), Geological Survey of Canada, Economic Geology Report No. 1. 1 map at scale 1:1,000,000.

Deptuck, R., Squair, H.,Wierzbicki, V.
1982: Geology of the Detour Zinc-Copper Deposits, Brouillan Township, Quebec; Precambrian Sulphide Deposits, H.S. Robinson Memorial Volume, R.W. Hutchinson, C.D. Spence, and J.M. Franklin (eds.), Geological Association of Canada, Special Paper No. 25, pp. 319-342.

DiLabio, R.N.
In press: Classification of Shapes and Surface Textures of Gold Grains from Till on the Canadian Shield; Geological Survey of Canada, Current Research, Paper 90-1C.

DiLabio, R.N.,Miller, R.F.,Mott, R.J., Coker, W.B.
1988: The Quaternary Stratigraphy of the Timmins Area, Ontario, as an Aid to Mineral Exploration by Drift Prospecting; Current Research, Part C, Geological Survey of Canada, Paper 88-1C, pp. 61-65.

Dimock, B.K.
1985: A Comparative Study of Sample Recovery Systems in Glacial Overburden Exploration; student work report prepared for Overburden Drilling Management Limited and Faculty of Science, University of Waterloo, 32 p.

Johns, G.W.
1982: Geology of the Burntbush-Detour Lakes Area, District of Cochrane; Ontario Geological Survey Report 199, 82 p., accompanied by Map 2453, Scale 1:100,000.

Kurina, K.P.
1986: Modifications to the Two-Bucket System for Reverse Circulation Drill Hole Sampling: Effects on Fine Particle Retention; student work report prepared for Overburden Drilling Management Limited and Faculty of Science, University of Waterloo, 20 p.

Lacroix, S., Simard, A., Pilot, P., Dubé, L.-M.
1990: Regional Geologic Elements and Mineral Resources of the Harricana Turgeon Belt, Abitibi of NW Quebec; The Northwestern Quebec Polymetallic Belt (M. Rive, P. Verpaelst, Y. Gagnon, J.M. Lulin, G. Riverin and A. Simard, eds.), Canadian Institute of Mining and Metallurgy, Special Volume 43, pp. 313-326.

Lenters, M.H.
1987: Report on Geology and Diamond Drilling During March 1987: H-N Project, Hoblitzell, Noseworthy and Blakelock Townships, Larder Lake Mining Division, Ontario; unpublished in-house report prepared by Esso Minerals Canada, 24 p. plus two 1:10,000 scale plans and 11 sections.

Lourim, J.
1988: Letter (1 p.) and logs of bedrock chip samples HN-01 to 132 prepared by Jeannette Lourim and Associates for Esso Minerals Canada.

MacNeil, K.A., Averill, S.A.
1990a: Reverse Circulation Overburden Drilling and Heavy Mineral Geochemical Sampling: Medd-Cooper Property, Warden and Milligan Townships, Northeastern Ontario; unpublished report prepared by Overburden Drilling Management Limited for Inco Exploration and Technical Services, Inc., 62 p. and 1 plan at 1:5,000 scale.

1990b: Reverse Circulation Overburden Drilling and Heavy Mineral Geochemical Sampling: Biondel Property, Montgolfier and Orvilliers Townships, Northwestern Quebec; unpublished report prepared by Overburden Drilling Management Limited for Inco Exploration and Technical Services, Inc., 67 p. and 2 plans at 1:10,000 scale.

1989: Location and Gold Potential of the North Discordance, North Discordance Project, Casa-Berardi - Selbale Area, Northwestern Quebec and Northeastern Ontario; unpublished report prepared by Overburden Drilling Management Limited for Inco Gold, 29 p. plus one appendix, one 1:125,000 scale plan and three 1:50,000 scale plans.

MacPherson, J.A.
1986: Summary Report for a Reverse Circulation Drill Program: H-N Project, Hoblitzell, Noseworthy and Blakelock Townships; unpublished in-house report prepared by Esso Minerals Canada, 6 p., plus appendices and 1:10,000 scale plans and sections.

Mortenson, J.K., Theriault, R.J., Card, K.C.
1988: U-Pb and Rb-Sr Age Constraints for Plutonism and Metamorphism in the Pontiac Subprovince and Adjacent Grenville Subprovince; abstract published in St. John's 1988 GAC, MAC, GSPG Joint Annual Meeting, Program with Abstracts, p. A85.

Pattison, E.F., Sauerbrei, J.A., Hanhila, J.J., Church, J.F.
1986: Gold Mineralization in the Casa-Berardi Area, Quebec, Canada; Proceedings of Gold '86 an International Symposium on the Geology of Gold, Toronto, Ontario, 1986, MacDonald, A.J. (ed.), pp. 170-183.

Phillips, P.
1987: The Estrades Deposit; The Northern Miner Magazine, June 1987, pp.14-15.

Remick, J.H.
1969: Geology of Harricana - Turgeon Area, Abitibi-East and Abitibi-West Counties: Preliminary Report; Quebec Department of Natural Resources, Mines Branch, P.R. 564, p. 217, and maps Nos. 1354 to 1359 inclusive, scale of one inch to one mile.

Sado, E.V., Carswell, B.F
1987: Surficial Geology of Northern Ontario; Ontario Geological Survey, Map 2518, Scale 1:1,200,000.

Skinner, R.G.
1973: Quaternary Stratigraphy of the Moose River Basin, Ontario; Geological Survey of Canada, Bulletin 225.

Thomson, R.
1936: Geology of the Burntbush River Area; Ontario Department of Mines, Forty-fifth Annual Report, Vol. XLV, Part VI, pp. 49-63 accompanied by Map 45E, scale 1 inch to 2 miles.

Veillette, J.J., Averill, S.A., LaSalle, P., Vincent, J.S.
1989: Quaternary Geology of Abitibi - Temiskamingue and Mineral Exploration: A Guide Book; GAC-MAC Annual Meeting, Montreal, Quebec, May 1989, 112 p.

Vincent, J.S., Hardy, L.
1979: The Evolution of Glacial Lakes Barlow and Ojibway, Quebec and Ontario; Geological Survey of Canada Bulletin 316, 18 p.

Wilson, B.C.
1979: Geology of the Twopeak Lake Area, District of Cochrane; Ontario Geological Survey, Report 184, 38 p. accompanied by Map 2410, scale one inch to one half mile.

CERTIFICATE OF QUALIFICATIONS

I, Kalevi K. Hannila of 521 Byng Street, Sudbury, Ontario certify that:

1. I am a 1979 graduate of Laurentian University with a Bachelor of Science degree in Geology.

2. I have practised my profession in Saskatchewan and Ontario continuously since graduation from University.

3. I am currently employed by Inco Exploration and Technical Services, Inc.

4. The work described in the attached report was carried out under my supervision.

K. K. Hannila

Kalevi K. Hannila
November 16, 1990

Qual.
2.13778

13.0 CERTIFICATE OF QUALIFICATIONS

I, Kalevi K. Hannila of 521 Byng Street, Sudbury, Ontario certify that:

1. I am a 1979 graduate of Laurentian University with a Bachelor of Science degree in Geology.

2. I have practised my profession in Saskatchewan and Ontario continuously since graduation from University.

3. I am currently employed by Inco Exploration and Technical Services, Inc.

4. The work described in the attached report was carried out under my supervision.

K. K. Hannila

Kalevi K. Hannila
November 16, 1990

APPENDIX A

Reverse Circulation Drill Logs

** INCO **
DRILL LOG

BOREHOLE	:85101-0					PRINT DATE	:29-AUG-1990 14:09
PROJECT	: Q.S.R.						
Latitude	: 460.00S	Departure	: 3200.00E	Elevation	: 10000.00m	Hole length	: 31.00m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.02/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.03/90	BH bearing	:
Claim #	: 836620	Section	: 3200 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE BIT # B000200

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.30	HUMUS Organics.	0.00	0.30	0.30	NS					
0.30	8.50	CLAY 0.3 to 5.5 m is beige/ochre coloured (oxidized) to grey , slightly gritty , soft clay. 5.5 to 8.5 m is grey , non gritty , soft clay.	0.30	8.50	8.20	NS					
8.50	8.90	GRAVEL Clast supported , sorted , with a coarse sand matrix. Clasts are composed of	8.50	8.90	0.40	RX 176001	0.032	<10.000	19.0	<200.	160.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		approximately 40 % volcanics and sediments and 60 % granitoids.									
8.90	9.70	BOULDER									
		Granitic boulder.	8.90	9.70	0.80	NS					
9.70	10.40	GRAVEL									
		As to 8.9 m.	9.70	10.40	0.70	RX 176001	0.032	<10.000	19.0	<200.	160.00
10.40	14.30	GRAVEL									
		Similar to gravel at 8.5 to	10.40	13.50	3.10	RX 176002	0.143	<6.000	36.0	320.	150.00
		8.9 m with a coarse-biased , slightly	13.50	14.30	0.80	RX 176003	3.470	<5.000	21.0	<200.	21.00
		unsorted matrix between 10.4 to 10.8 m.									
14.30	29.10	TILL									
		Matheson till.	14.30	15.00	0.70	RX 176003	3.470	<5.000	21.0	<200.	21.00
		Grey / beige fine sand /	15.00	16.90	1.90	RX 176004	0.052	<6.000	27.0	<200.	44.00
		silt and grey gritty clay matrix.	16.90	18.30	1.40	RX 176005	0.090	<6.000	19.0	<200.	34.00
		Cobble sized clasts composed	18.30	19.60	1.30	RX 176006	0.071	<6.000	12.0	<200.	28.00
		of 50 % volcanics/sediments and 50%	19.60	21.30	1.70	RX 176007	0.062	<7.000	21.0	<200.	70.00
		granitoids.	21.30	22.60	1.30	RX 176008	<0.007	<5.000	17.0	<200.	42.00
		The till appears to matrix	22.60	24.00	1.40	RX 176009	0.152	<7.000	16.0	<200.	49.00
		supported.	24.00	25.50	1.50	RX 176010	0.043	<5.000	20.0	<200.	510.00
		Mineralized cobble at 14.0 m	25.50	27.00	1.50	RX 176011	0.060	<7.000	14.0	<200.	34.00
		, massive sulphides in a greywacke	27.00	28.10	1.10	RX 176012	0.055	<5.000	13.0	<200.	95.00
		host.	28.10	28.50	0.40	NS					
		Below 19.0 m grey gritty	28.50	29.10	0.60	RX 176012	0.055	<5.000	13.0	<200.	95.00
		clay matrix up to 10 % of the unit.									
		22.8 - 22.5 m grey soft non									
		gritty clay bed.									
		22.5 - 29.1 m similar to									
		till between 14.3 - 22.3 m , 10% grey									
		gritty clay with the sand component of									
		the matrix appearing sligthly sorted									
		(silt deficient in places).Till borders									
		on being clast supported.									
		28.1 - 28.5 granitic									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		boulder.									
29.10	31.00	BEDROCK Dark grey , fine grained , well foliated greywacke.Main mafic mineral is biotite. Trace to 1 % disseminated pyrite and 1 to 2 % quartz/carbonate stringers.	29.10	31.00	1.90	RX 176013	0.020	<5.000	<2.0	<50.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85102-0					PRINT DATE	:29-AUG-1990 14:09
PROJECT	: Q.S.R.						
Latitude	: 420.00S	Departure	: 3600.00E	Elevation	: 10000.00m	Hole length	: 6.80m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.03/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.03/90	BH bearing	:
Claim #	: 836621	Section	: 3600 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS Organics.	0.00	0.20	0.20	NS					
0.20	5.00	CLAY Ojibway II sediments from 0.2 to 5.0 m. Grey ,slightly gritty to non gritty clay with silt interbeds.	0.20	5.00	4.80	NS					
5.00	5.20	TILL Matheson till ? A very thin layer of what appears to be till lying directly over bedrock.Not enough material to sample.	5.00	5.20	0.20	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
5.20	6.80	BEDROCK									
		Dark grey , fine grained ,	5.20	5.60	0.40	RX 176014	0.005	<5.000	<2.0	98.	<4.00
		well foliated greywacke with 1% quartz	5.60	6.20	0.60	RX 176015	0.008	<5.000	<2.0	<50.	<4.00
		carbonate stringers and trace	6.20	6.80	0.60	RX 176016	<0.005	<5.000	<2.0	<50.	<4.00
		sulphides.									

** INCO **
DRILL LOG

BOREHOLE :85103-0 PRINT DATE :29-AUG-1990 14:09
PROJECT : Q.S.R.

Latitude	: 400.00S	Departure	: 4000.00E	Elevation	: 10000.00m	Hole length	: 22.00m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.03/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.03/90	BH bearing	:
Claim #	: 848115	Section	: 4000 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE
****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS Organics.	0.00	0.20	0.20	NS					
0.20	5.50	TILL Cochrane till. Beige/ochre gritty clay matrix.Granule size pebble clasts consisting of 80% volcanics and sediments and 20% granitoids.	0.20	5.50	5.30	NS					
5.50	11.30	CLAY Ojibway II sediments from 5.5 to 18.4 m.	5.50	11.30	5.80	NS					

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Clay is soft,grey and slightly gritty to non gritty.									
11.30	13.80	SAND									
		Grey , very fine sand and	11.30	13.20	1.90	NS					
		silt with thin clay interbeds.	13.20	13.80	0.60	RX 176017	0.072	<5.000	<2.0	260.	29.00
13.80	17.00	SAND									
		Interbedded beige fine ,	13.80	16.50	2.70	RX 176017	0.072	<5.000	<2.0	260.	29.00
		medium and coarse grained sands with	16.50	17.00	0.50	RX 176017	0.072	<5.000	<2.0	260.	29.00
		minor cobble beds. Probably glacial fluvial sediments.									
17.00	18.40	SAND									
		Beige very fine grained sand	17.00	18.40	1.40	RX 176018	0.055	<8.000	16.0	<200.	28.00
		with non gritty slightly compacted clay beds.									
18.40	20.70	TILL									
		Matheson till.	18.40	18.60	0.20	RX 176018	0.055	<8.000	16.0	<200.	28.00
		Grey/beige fine sand and	18.60	19.00	0.40	NS					
		grey gritty clay matrix (approximately	19.00	20.70	1.70	RX 176019	0.061	<8.000	14.0	<200.	90.00
		40% clay)									
		Clasts are mainly pebbles and small cobbles made up of 60% volcanics and sediments and 40% grantoids.									
		Greywacke boulder from 18.6 to 19.0 m.									
20.70	22.00	BEDROCK									
		Greenish dark grey , fine	20.70	21.20	0.50	RX 176020	<0.005	<5.000	<2.0	<50.	<4.00
		grained , moderately to well foliated	21.20	21.60	0.40	RX 176021	<0.005	<5.000	<2.0	<50.	<4.00
		greywacke.Locally silicified , 21.4 to	21.60	22.00	0.40	RX 176022	<0.005	<5.000	<2.0	<50.	<4.00
		22.0 m is almost exclusively quartz vein.Trace to 1% disseminated sulphides also noted.									

** INCO **
DRILL LOG

BOREHOLE	:85104-0					PRINT DATE	:29-AUG-1990 14:09
PROJECT	: Q.S.R.						
Latitude	: 400.00S	Departure	: 4400.00E	Elevation	: 10000.00m	Hole length	: 31.00m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.03/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.04/90	BH bearing	:
Claim #	: 836623	Section	: 4400 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS Organics / peat.	0.00	0.20	0.20	NS					
0.20	8.00	TILL Cochrane till. Beige/ochre gritty clay matrix (colour of matrix turns to grey downhole) Granule clasts are predominately metasediments.	0.20	8.00	7.80	NS					
8.00	21.00	CLAY Ojibway II sediments. Clay is grey,soft and gritty at the top of the unit to non gritty	8.00	21.00	13.00	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		downhole with occassional silt interbeds.									
21.00	26.50	SAND									
		Grey/beige very fine grained	21.00	26.50	5.50	NS					
		sand and silt beds with thin grey clay interbeds.									
26.50	29.30	TILL									
		Matheson till.	26.50	27.50	1.00	RX 176023	0.103	<7.000	34.0	400.	270.00
		Grey/beige fine sand and	27.50	27.70	0.20	NS					
		silt matrix,(matrix supported).Clasts	27.70	28.50	0.80	RX 176023	0.103	<7.000	34.0	400.	270.00
		are cobble sized and are composed of	28.50	29.30	0.80	RX 176024	0.184	<6.000	21.0	<200.	87.00
		70% volcanics/sediments and 30% granitoids.									
		27.5 - 27.7 m :granitic boulder,not sampled.									
29.30	31.00	BEDROCK									
		Dark grey,fine grained	29.30	29.80	0.50	RX 176025	<0.005	<5.000	<2.0	120.	<4.00
		greywacke.The rock is well foliated	29.80	30.20	0.40	RX 176026	0.016	<5.000	<2.0	<50.	<4.00
		with minor	30.20	31.00	0.80	RX 176027	0.031	<5.000	<2.0	<50.	<4.00
		Quartz veining (15% near bedrock surface,decreasing downhole).Minor granitic dike intersected at 29.7 m.									
		Trace FeO and hematite stain noted along with trace to 1% disseminated sulphides.									

** INCO **
DRILL LOG

BOREHOLE	:85105-0					PRINT DATE	:29-AUG-1990 14:09
PROJECT	: Q.S.R.						
Latitude	: 400.00S	Departure	: 4800.00E	Elevation	: 10000.00m	Hole length	: 42.00m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.04/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.04/90	BH bearing	:
Claim #	: 836637	Section	: 4800 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.30	HUMUS Organics.	0.00	0.30	0.30	NS					
0.30	11.00	SAND Ojibway II sediments from 0.3 to 37.0 m. Beige,sorted fine,medium and coarse sand interbeds with occassional thin granule beds.(Poor return on sample initially due to lack of seal around rods.	0.30	11.00	10.70	NS					
11.00	17.00	SAND Interbedded coarse and	11.00	17.00	6.00	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		granule sands with occasasional fine-medium grained sand beds.									
17.00	24.00	SAND									
		As above with pebble/granule gravel interbeds. Clast composition of gravel beds are 10% volcanics/sediments and 90% granitoids.	17.00	24.00	7.00	NS					
24.00	32.50	SAND									
		As to 17.0 m.(1.5 bags of drilling compound added to water at 28.5 m).	24.00	25.50	1.50	NS					
			25.50	28.50	3.00	RX 176028	0.809	<8.000	<2.0	<200.	26.00
			28.50	31.50	3.00	RX 176029	<0.011	<8.000	<2.0	<200.	<4.00
			31.50	32.50	1.00	RX 176030	0.045	<6.000	7.0	<200.	18.00
32.50	37.00	SAND									
		Predominantly sorted very fine grained sand with fine and medium grained sand interbeds.Silty lumps on seive due to drilling compound.	32.50	37.00	4.50	RX 176030	0.045	<6.000	7.0	<200.	18.00
37.00	40.70	TILL									
		Matheson till.	37.00	37.50	0.50	RX 176030	0.045	<6.000	7.0	<200.	18.00
		Beige to grey fine sand/silt	37.50	39.00	1.50	RX 176031	0.926	<6.000	7.0	<200.	35.00
		matrix.Cobble sized clasts made up of	39.00	40.00	1.00	NS					
		50% volcanics/sediments and 50% granitoids.	40.00	40.70	0.70	RX 176032	0.070	<7.000	77.0	<200.	130.00
		Granitoid boulders at 39.0 to 39.6 m and 39.6 to 40.0 m.									
		From 40.0 to 40.7 m the till becomes clay rich with 40 to 50% of unit being comprised of grey gritty clay.									
40.70	42.00	BEDROCK									
		Dark grey, fine grained	40.70	41.30	0.60	RX 176033	0.010	<5.000	<2.0	<50.	<4.00
		greywacke.The rock is strongly foliated	41.30	42.00	0.70	RX 176034	<0.005	<5.000	3.0	<50.	<4.00

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	AU	AG	AS	ZN	W
m	m		m	m	m		PPM	PPM	PPM	PPM	PPM

nearly schistose with 1-2%
quartz/carbonate stringers and < 1%
disseminated sulphides.

** INCO **
DRILL LOG

BOREHOLE	:85106-0					PRINT DATE	:29-AUG-1990 14:09
PROJECT	: Q.S.R.						
Latitude	: 500.00S	Departure	: 2700.00E	Elevation	: 10000.00m	Hole length	: 10.00m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.06/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.06/90	BH bearing	:
Claim #	: 836619	Section	: 2700 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS									
		Organics.	0.00	0.20	0.20	NS					
0.20	8.40	TILL									
		Cochrane till.	0.20	2.50	2.30	NS					
		Matrix is ochre to greyish	2.50	7.50	5.00	RX 176035	0.586	<8.000	5.0	<200.	46.00
		beige,soft gritty clay and minor fine	7.50	8.40	0.90	RX 176036	0.044	<6.000	48.0	<200.	480.00
		sand/silt.Clasts are mainly pebbles and									
		small cobbles made up of 50%									
		volcanics/sediments and 50% granitoids.									
		From 4.0 m to the bottom of									
		the unit there is an increase in the									

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		granitoid component(probably locally derived from feldspar porphyry units in the vicinity).Possible unnoticable contact with Matheson till.									
8.40	10.00	BEDROCK									
		Dark grey,very fine to fine grained siltstone/greywacke.The rock is well foliated with very fine grained fissile (silty) bands. Over all there is 3-5% quartz/carbonate stringers and trace to 1% disseminated sulphides.Below 9.0 m <1% FeO staining is present.	8.40	9.00	0.60	RX 176037	<0.005	<5.000	<2.0	<50.	<4.00
			9.00	9.60	0.60	RX 176038	<0.005	<5.000	<2.0	<50.	<4.00
			9.60	10.00	0.40	RX 176039	<0.005	<5.000	<2.0	<50.	330.00

** INCO **
DRILL LOG

BOREHOLE	:85107-0					PRINT DATE	:29-AUG-1990 14:09
PROJECT	: Q.S.R.						
Latitude	: 780.00N	Departure	: 2400.00E	Elevation	: 10000.00m	Hole length	: 15.50m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.06/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.06/90	BH bearing	:
Claim #	: 968384	Section	: 2400 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE
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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.50	HUMUS Organics.	0.00	0.50	0.50	NS					
0.50	13.00	CLAY Ojibway II sediments. Clay is grey,slightly gritty to non gritty with silt interbeds from 0.5 m to 12.0 m.A minor pebble bed is encountered between 12.0 and 12 m.Below 12.3 m the clay becomes beige/grey and gritty with no clasts.	0.50	13.00	12.50	NS					
13.00	14.20	TILL Beige/grey,gitty clay matrix	13.00	14.20	1.20	RX 176040	0.042	<5.000	10.0	<200.	200.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		with minor fine sand/silt.Few pebble And cobble clasts,(poor return),consisting of 60% volcanics/sediment and 40% granitoids.									
14.20	15.50	BEDROCK									
		Dark greenish/grey,fine	14.20	14.70	0.50	RX 176041	<0.005	<5.000	<2.0	180.	<4.00
		grained alkalic volcanic.The rock is	14.70	15.10	0.40	RX 176042	<0.005	<5.000	<2.0	<50.	<4.00
		strongly foliated/sheared,chloritc,with	15.10	15.50	0.40	RX 176043	<0.005	<5.000	<2.0	130.	<4.00
		5-7% quartz/carbonate stringers and <1% FeO staining.									

** INCO **
DRILL LOG

BOREHOLE	:85108-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 900.00N	Departure	: 2800.00E	Elevation	: 10000.00m	Hole length	: 16.50m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.03/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.07/90	BH bearing	:
Claim #	: 968386	Section	: 2800 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.30	HUMUS									
		Organics.	0.00	0.30	0.30	NS					
0.30	1.50	TILL									
		Cochrane till.	0.30	1.50	1.20	RX 176044	0.048	<7.000	<2.0	<200.	52.00
		Ochre gritty clay matrix									
		with very few sediment pebbles.									
1.50	15.00	TILL									
		Matheson till.	1.50	4.70	3.20	RX 176044	0.048	<7.000	<2.0	<200.	52.00
		Beige to grey beige fine	4.70	6.40	1.70	RX 176045	0.341	<8.000	19.0	<200.	34.00
		sand and silt matrix with 5% grey	6.40	8.40	2.00	RX 176046	0.529	<7.000	18.0	<200.	34.00
		gritty clay.Pebble and small cobble	8.40	9.60	1.20	RX 176047	0.148	<7.000	13.0	<200.	35.00
		clasts consist of 40% volcanics/ 60%	9.60	9.80	0.20	NS					

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		granitoids.NOTE:Sample RX176044 includes Cochrane till. Minor changes in the unit where observed as follows: 5.0 - 8.5 m;matrix of unit becomes grey gritty clay(up to 70% of the unit).Also an occasional non gritty clay seam is noted. 8.5 - 9.6 m;5-10% grey gritty clay in matrix.Clasts become more compacted,nearly clast supported.Cobbles are made up of 50% volcanics/sediments and 50% granitoids. 9.6 - 9.8 m;A small greywacke boulder,not sampled. 9.8 - 12.2 m;as to 9.6 m. 12.2 - 12.5 m;Beige fine grained sand bed. 12.5 - 15.0 m;as to 8.5 m.	9.80	11.40	1.60	RX 176048	0.059	<6.000	13.0	<200.	86.00
			11.40	13.50	2.10	RX 176049	5.930	<6.000	23.0	<200.	62.00
			13.50	15.00	1.50	RX 176050	0.216	<5.000	13.0	<200.	35.00
15.00	16.50	BEDROCK Dark grey to mottled white,coarse grained porphyry,(feldspar phenocrysts). The rock is foliated and moderately soft yielding about 15% rock powder.There is also 15% biotite and trace sulphides thoughout. TS C90-0215	15.00	15.60	0.60	RX 176051	0.007	<5.000	<2.0	<50.	<4.00
			15.60	16.00	0.40	RX 176052	<0.005	<5.000	<2.0	<50.	<4.00
			16.00	16.50	0.50	RX 176053	0.005	<5.000	<2.0	<50.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85109-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1000.00N	Departure	: 3200.00E	Elevation	: 10000.00m	Hole length	: 17.00m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.07/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.07/90	BH bearing	:
Claim #	: 968387	Section	: 3200 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS Organics.	0.00	0.20	0.20	NS					
0.20	3.20	TILL Cochrane till. Beige ochre,gritty clay and minor sand matrix.. Very few pebble clasts with an approximate composistion of 70% Sediments/volcanics and 30% granitoids.	0.20	3.20	3.00	NS					
3.20	6.50	CLAY Ojibway II sediments.	3.20	6.50	3.30	NS					

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Gradational contact Cochrane till into grey/beige,soft,slightly gritty to non gritty clay with occasional very fine sand interbeds.									
6.50	15.50	TILL									
		Matheson till.	6.50	9.00	2.50	RX 176054	0.161	<7.000	22.0	<200.	<4.00
		Beige/grey,slightly sorted	9.00	10.50	1.50	RX 176055	0.319	<7.000	15.0	<200.	120.00
		fine sand/silt matrix.Cobble clasts	10.50	12.00	1.50	RX 176056	0.197	<6.000	17.0	<200.	<4.00
		comprised of 25% volcanics/sediments	12.00	13.50	1.50	RX 176057	0.107	<5.000	<2.0	<200.	15.00
		and 75% granitoids.	13.50	14.00	0.50	RX 176058	0.082	<7.000	<2.0	<200.	110.00
		9.5 - 9.7 m;sorted fine sand	14.00	14.50	0.50	NS					
		bed.	14.50	15.50	1.00	RX 176058	0.082	<7.000	<2.0	<200.	110.00
		14.0 - 14.5 m;granitoid									
		boulder.									
15.50	17.00	BEDROCK									
		Dark grey and greyish	15.50	16.00	0.50	RX 176059	<0.005	<5.000	<2.0	<50.	<4.00
		white,coarse grained feldspar porphyry	16.00	16.50	0.50	RX 176060	<0.005	<5.000	<2.0	138.	<4.00
		(feldspar phenocrysts).The rock is	16.50	17.00	0.50	RX 176061	<0.005	<5.000	<2.0	<50.	<4.00
		weakly to moderately foliated with 3-5% quartz/carbonate veinlets,trace hematite stain and trace disseminated sulphides.TS C90-0216									

** INCO **
DRILL LOG

BOREHOLE	:85110-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1100.00N	Departure	: 3600.00E	Elevation	: 10000.00m	Hole length	: 7.50m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.07/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.07/90	BH bearing	:
Claim #	: 968389	Section	: 3600 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS									
		Organics.	0.00	0.20	0.20	NS					
0.20	2.00	TILL									
		Cochrane till.	0.20	2.00	1.80	NS					
		Beige/ochre gritty clay and minor fine sand/silt matrix. Scattered pebble clasts ; 80% volcanics/sediments and 20% granitoids.									
2.00	3.20	CLAY									
		Ojibway II sediments.	2.00	3.20	1.20	NS					
		Grey,soft,slightly gritty to									

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		non gritty,(downhole),clay.									
3.20	6.00	TILL									
		Matheson till.	3.20	4.50	1.30	RX 176062	0.244	<7.000	17.0	<200.	66.00
		Beige/grey , fine sand/silt	4.50	6.00	1.50	RX 176063	0.163	<8.000	9.0	<200.	<4.00
		and slightly gritty,beige,clay matrix (approximately 10%).									
		Cobble clasts with a composition of 30% volcanics/sediments and 70% granitoids.									
		Occassional thin,sorted sand bed of medium to coarse grains suggests that the hole may be proximinal to glacialfluvial sediments.									
6.00	7.50	BEDROCK									
		Dark grey and pinkish	6.00	6.50	0.50	RX 176064	<0.005	<5.000	<2.0	140.	<4.00
		brown,coarse grained,feldspar pophryry.	6.50	7.00	0.50	RX 176065	<0.005	<5.000	<2.0	150.	<4.00
		The rock is foliated with	7.00	7.50	0.50	RX 176066	<0.005	<5.000	<2.0	250.	11.00
		occasional chloritic bands trace hematite stain and trace sulphides.									
		TS C90-0217									

** INCO **
DRILL LOG

BOREHOLE	:85111-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 500.00S	Departure	: 1800.00E	Elevation	: 10000.00m	Hole length	: 13.00m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.08/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.07/90	BH bearing	:
Claim #	: 871999	Section	: 1800 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS									
		Organics.	0.00	0.20	0.20	NS					
0.20	7.00	CLAY									
		Ojibway II sediments from	0.20	7.00	6.80	NS					
		0.2 m to 11.0 m.									
		Grey/beige,soft,gritty clay									
		with very fine sand/silt interbeds.									
7.00	9.80	SAND									
		The top portion of the unit	7.00	9.00	2.00	RX 176067	0.635	<8.000	<2.0	<200.	<4.00
		down to 8.2 m is sorted,beige,fine and	9.00	9.80	0.80	RX 176068	0.194	<6.000	<2.0	<200.	27.00
		medium grained sand with a pebble bed									
		at 7.0 m.Probably glacial fluvial									

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		sediments. From 8.2 m to 9.8 m the sand becomes pebbly with interbeds of pebbles and beige,sorted fine grained sand and occasional medium and coarse grained sand beds.									
9.80	11.00	GRAVEL Cobble clast supported with very minimal matrix.Clasts are composed of 25% volcanics/sediments and 75% granitoids.	9.80	11.00	1.20	RX 176068	0.194	<6.000	<2.0	<200.	27.00
11.00	11.50	TILL Matheson till. Thin horizon of grey/beige fine sand/silt and grey gritty clay matrix with cobble clasts of composition 40% volcanics/sediments and 60% granitoids.	11.00	11.50	0.50	RX 176069	<0.006	<5.000	12.0	<200.	50.00
11.50	13.00	BEDROCK Medium and fine grained , grey and dark grey greywacke/siltstone.	11.50	12.00	0.50	RX 176070	<0.005	<5.000	10.0	310.	<4.00
			12.00	12.40	0.40	RX 176071	<0.005	<5.000	10.0	110.	<4.00
			12.40	13.00	0.60	RX 176072	<0.005	<5.000	7.0	<50.	<4.00
		Well developed foliation with an occasional chloritic band and 3% quartz/carbonate veinlets and trace sulphides.TS C90-0218									

** INCO **
DRILL LOG

BOREHOLE	:85112-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 700.00S	Departure	: 1400.00E	Elevation	: 10000.00m	Hole length	: 5.50m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.08/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.08/90	BH bearing	:
Claim #	: 871975	Section	: 1400 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.30	HUMUS Organics.	0.00	0.30	0.30	NS					
0.30	2.50	TILL Cochrane till. Beige/ochre,gritty clay and fine sand /silt matrix.Few scattered pebble clasts mainly sediments.	0.30	2.50	2.20	NS					
2.50	3.80	TILL Matheson till. Gradational contact between Cochrane till and Matheson till. The matrix is grey/beige	2.50	3.80	1.30	RX 176073	0.057	<9.000	<2.0	<200.	27.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		fine sand/silt with minor grey gritty clay. Cobble clasts of 40% volcanics/sediments and 60% granitoids.									
3.80	5.50	BEDROCK									
		Dark grey,fine to very fine grained siltstone/greywacke.Strongly foliated and fissile,moderately sheared with 5-7% quartz/carbonate veinlets and trace FeO staining along bedding slip planes. An increase in quartz/carbonate veining and FeO stain between 4.6 and 4.8 m.TS C90-0219	3.80	4.20	0.40	RX 176074	<0.005	<5.000	2.0	<50.	<4.00
			4.20	4.80	0.60	RX 176075	<0.005	<5.000	3.0	<50.	<4.00
			4.80	5.50	0.70	RX 176076	<0.005	<5.000	<2.0	<50.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85113-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 800.00S	Departure	: 1000.00E	Elevation	: 10000.00m	Hole length	: 3.60m
NTS/Quad	:	Logged by	: P.COLLINS	Assay req.	: AU 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.13/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.13/90	BH bearing	:
Claim #	: 872001	Section	: 1000 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS *Organics.*	0.00	0.20	0.20	NS					
0.20	0.80	TILL Cochrane till. Thin layer of till.Ochre gritty clay with minor fine sand matrix. Very few small pebble clasts,predominantly sediments.	0.20	0.80	0.60	NS					
0.80	2.10	TILL Matheson till. Abrupt contact into clast	0.80	2.10	1.30	RX 176077	0.606	<6.000	29.0	<200.	66.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		supported till.Beige/grey fine sand matrix ,slightly sorted and coarse biased.Cobble clasts of following composistion; 55% volcanics/sediments(3-5% limestone) and 45% granitoids.									
2.10	3.60	BEDROCK									
		Dark grey to black,fine	2.10	2.80	0.70	RX 176078	<0.005	<5.000	3.0	110.	<4.00
		grained greywacke.	2.80	3.20	0.40	RX 176079	0.016	<5.000	<2.0	<50.	<4.00
		3% relict quartz sand.	3.20	3.60	0.40	RX 176080	0.010	<5.000	2.0	<50.	<4.00
		Well foliated with 10% quartz veinlets and trace sulphides noted in quartz veinlets.TS C90-0220									

** INCO **
DRILL LOG

BOREHOLE	:85114-0					PRINT DATE	: 4-OCT-1990 16:03
PROJECT	: Q.S.R.						
Latitude	: 870.00S	Departure	: 600.00E	Elevation	: 10000.00m	Hole length	: 1.50m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.13/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.13/90	BH bearing	:
Claim #	: 872002	Section	: 600 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS									
		Organics.	0.00	0.20	0.20	NS					
0.20	1.50	BEDROCK									
		Dark greenish grey,fine	0.20	0.70	0.50	RX 176081	<0.005	<5.000	3.0	<50.	<4.00
		grained moderately to well foliated	0.70	1.20	0.50	RX 176082	<0.005	<5.000	5.0	130.	<4.00
		greywacke.	1.20	1.50	0.30	RX 176083	<0.005	<5.000	4.0	170.	5.00
		There is also up to 5%									
		quartz/plagioclase relict sand grains									
		locally.									
		2% of the sample is quartz									
		stringers with trace disseminated									
		carbonate and trace disseminated pyrite									

** INCO **
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	AU	AG	AS	ZN	W
m	m		m	m	m		PPM	PPM	PPM	PPM	PPM

with minor FeO stain overall.
TS C90-0221

** INCO **
DRILL LOG

BOREHOLE	:85115-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 900.00S	Departure	: 200.00E	Elevation	: 10000.00m	Hole length	: 3.50m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.13/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.13/90	BH bearing	:
Claim #	: 872003	Section	: 200 E	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.20	HUMUS									
		Organics.	0.00	0.20	0.20	NS					
0.20	2.00	TILL									
		Cochrane till.	0.20	2.00	1.80	RX 176084	<0.010	<8.000	35.0	1200.	100.00
		Ochre/beige gritty clay and fine sand/silt matrix (10% fine sand). Very few pebbles clasts;90% sediments(10% limestone). Small sample due to poor return at top of unit.									
2.00	3.50	BEDROCK									
		Dark grey(greenish grey	2.00	2.30	0.30	RX 176085	0.008	<5.000	18.0	150.	<4.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		locally),fine to very fine grained	2.30	3.00	0.70	RX 176086	<0.005	<5.000	22.0	130.	<4.00
		siltstone /greywacke;schishtose along	3.00	3.50	0.50	RX 176087	0.007	<5.000	6.0	<50.	<4.00
		bedding planes,fissile with a trace of									
		FeO stain.TS C90-0222									

** INCO **
DRILL LOG

BOREHOLE	:85116-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1050.00S	Departure	: 160.00W	Elevation	: 10000.00m	Hole length	: 6.00m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.13/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.13/90	BH bearing	:
Claim #	: 827004	Section	: 160 W (off section)	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.00	HUMUS Organics.	0.00	2.00	2.00	NS					
2.00	3.80	CLAY Ojibway II sediments. . Very slightly gritty to non gritty soft grey clay.	2.00	3.80	1.80	NS					
3.80	4.30	TILL Grey/beige fine sand/silt matrix with pebble and cobble clasts of 60% volcanics/sediments and 40% granitoid composition.	3.80	4.30	0.50	RX 176088	0.028	<5.000	24.0	<200.	<4.00
4.30	6.00	BEDROCK									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Dark grey,strongly	4.30	5.00	0.70	RX 176089	<0.005	<5.000	<2.0	<50.	<4.00
		foliated(schistose),fissile,very fine	5.00	5.60	0.60	RX 176090	<0.005	<5.000	<2.0	180.	<4.00
		grained to aphanitic	5.60	6.00	0.40	RX 176091	0.005	<5.000	3.0	170.	<4.00
		sediment?Moderately sheared with 10-15%									
		quartz/carbonate									
		Veinlets and trace hematite									
		stain.Main mafic mineral is biotite.									
		Rock becomes very soft below									
		4.8 m with strong fracturing and FeO									
		stain.TS C90-0223									

** INCO **
DRILL LOG

BOREHOLE	:85117-D					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1220.00S	Departure	: 600.00W	Elevation	: 10000.00m	Hole length	: 16.50m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.13/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.13/90	BH bearing	:
Claim #	: 872009	Section	: 600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.50	HUMUS									
		Organics.	0.00	0.50	0.50	NS					
0.50	1.30	TILL									
		Cochrane till.	0.50	1.30	0.80	RX 176092	<0.007	<5.000	5.0	<200.	14.00
		Beige/ochre gritty clay and									
		minor fine sand/silt matrix.Very few									
		pebble clasts mainly sediments.									
1.30	15.00	TILL									
		Matheson till.	1.30	3.00	1.70	RX 176092	<0.007	<5.000	5.0	<200.	14.00
		Slightly sorted beige fine	3.00	5.50	2.50	RX 176093	0.215	<6.000	<2.0	<200.	16.00
		sand/silt matrix.Pebble and cobble	5.50	7.50	2.00	RX 176094	0.054	<5.000	<2.0	<200.	<4.00
		clasts are comprised of 40%	7.50	9.00	1.50	RX 176095	0.111	<7.000	<2.0	<200.	72.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		volcanics/sediments and 60% granitoids.	9.00	10.50	1.50	RX 176096	0.037	<6.000	<2.0	<200.	29.00
			10.50	12.00	1.50	RX 176097	0.085	<5.000	9.0	<200.	43.00
		(till is matrix supported	12.00	13.50	1.50	RX 176098	<0.008	<6.000	23.0	<200.	86.00
		initially,very few clasts).	13.50	15.00	1.50	RX 176099	0.058	<5.000	11.0	<200.	77.00
		3.0 - 4.0 m;sorted,beige									
		fine grained sand.									
		6.0 - 10.0 m;10% beige grey									
		gritty clay in matrix;furthermore,there									
		is an increase in the amount of clasts									
		as till becomes cobblier.									
		10.0 - 14.0 m;up to 25%									
		gritty clay in matrix.Also an increase									
		in sediments/volcanics to 60%.									
		14.0 - 15.0 m;2-3% gritty									
		clay in matrix,also,till is clast									
		supported.									
15.00	16.50	BEDROCK									
		Dark reddish grey,(hematitic	15.00	15.60	0.60	RX 176100	0.009	<5.000	<2.0	110.	<4.00
		stain),coarse grained feldspar	15.60	16.00	0.40	RX 176101	<0.005	<5.000	<2.0	150.	<4.00
		porphyry.	16.00	16.50	0.50	RX 176102	<0.005	<5.000	2.0	<50.	<4.00
		(Porphyritic									
		texture,feldspar phenocrysts).									
		2-3% disseminated and									
		stringer FeMg carbonate.Well foliated									
		with moderate shearing and chloritic									
		along slip planes.TS C90-0224									

** INCO **
DRILL LOG

BOREHOLE	:85118-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1235.00S	Departure	: 1000.00W	Elevation	: 10000.00m	Hole length	: 11.70m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.14/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.14/90	BH bearing	:
Claim #	: 872010	Section	: 1000 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.20	HUMUS Organics.	0.00	1.20	1.20	NS					
1.20	2.00	CLAY Recent sediments. Soft,grey,nongritty,clay.	1.20	2.00	0.80	NS					
2.00	3.60	TILL Cochrane till. Initially beige,fine sand/silt matrix with pebble and small cobble clasts comprised of 70% volcanics/sediments and 30% granitoids ,locally 10% limestone.	2.00	3.60	1.60	RX 176103	1.490	<5.000	8.0	<200.	<4.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		2.5 - 3.6 m;matrix is clay rich(90% gritty clay)otherwise similar to 2.0 to 2.5 m.									
3.60	4.40	CLAY									
		Ojibway II sediments from 3.6 to 8.3 m.	3.60	4.40	0.80	NS					
		Gradational contact into grey soft,non gritty clay with silt interbeds.									
4.40	8.00	SAND									
		The top portion of the unit down to 5.8 m appears to be till but 4	4.40	5.80	1.40	RX 176104	0.347	<5.000	<2.0	<200.	14.00
			5.80	8.00	2.20	RX 176105	0.714	<9.000	14.0	410.	21.00
		Silt fraction of matrix is probably due to cave around the drill rods from the overlying sediments,basically a pebbly sand.									
		From 5.8 to 6.2 m the sand is more sorted,beige and fine grained suggesting glacial fluvial sediments.									
		The bottom portion of the unit consists of beds of fine,medium and coarse grain sands,with pebble/gravel interbeds.									
8.00	8.30	BOULDER									
		Granitic boulder.	8.00	8.30	0.30	NS					
8.30	9.70	TILL									
		Matheson till.	8.30	9.70	1.40	RX 176106	0.620	<5.000	35.0	<200.	160.00
		Matrix is made up of unsorted,fine grained,beige sand/silt(slightly coarse biased),2% grey gritty clay.It is a cobble clast supported unit with 40% volcanics/sediments and 60% granitoids.									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
9.70	11.70	BEDROCK									
		Reddish/medium	9.70	10.20	0.50	RX 176107	0.007	<5.000	<2.0	<50.	<4.00
		grey,(hematite stain),coarse	10.20	11.00	0.80	RX 176108	<0.005	<5.000	<2.0	<50.	<4.00
		grained,feldspar porphyry.	11.00	11.70	0.70	RX 176109	<0.005	<5.000	3.0	<50.	<4.00
		Strong porphyritic									
		texture(feldspar phenocrysts),well									
		foliated, weakly sheared and chloritic									
		along slip planes..									
		5% quartz veinlets below									
		10.8 m.TS C90-0225									

** INCO **
DRILL LOG

BOREHOLE	:85119-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1250.00S	Departure	: 1400.00W	Elevation	: 10000.00m	Hole length	: 18.00m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.14/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.14/90	BH bearing	:
Claim #	: 872011	Section	: 1400 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.00	HUMUS Organics.	0.00	2.00	2.00	NS					
2.00	5.00	TILL Cochrane till. Beige/grey gritty clay and fine sand/silt matrix.Initially the matrix is very sandy and slightly sorted.Pebble and small cobble clasts are made up of 70% volcanics/sediments and 30% granitoids.	2.00	5.00	3.00	NS					
5.00	5.50	SAND Ojibway II sediments from	5.00	5.50	0.50	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		5.0 to 13.5 m. Grey,very fine grained sand and silt with non gritty clay interbeds.									
5.50	7.80	CLAY Grey,soft,non gritty clay with a thin pebble bed at 6.3 m.	5.50	7.80	2.30	NS					
7.80	8.10	BOULDER Gabbroic boulder.	7.80	8.10	0.30	NS					
8.10	13.50	SAND Similar to sand at 5.0 to 5.5 m.	8.10	13.50	5.40	NS					
13.50	16.20	TILL Matheson till.	13.50	15.00	1.50	RX 176110	0.139	<5.000	11.0	260.	72.00
		Beige/grey fine sand/silt matrix,(matrix supported)..	15.00	16.20	1.20	RX 176111	0.072	<5.000	13.0	<200.	29.00
		Cobble clast are comprised of 30% volcanics/sediments and 70% granitoids.									
16.20	18.00	BEDROCK Medium grey,coarse grained	16.20	16.70	0.50	RX 176112	<0.005	<5.000	<2.0	<50.	<4.00
		feldspar porphyry,(porphyritic texture	16.70	17.40	0.70	RX 176113	0.019	<5.000	<2.0	<50.	<4.00
		[subhedral feldspar phenocrysts]).Rock	17.40	18.00	0.60	RX 176114	0.011	<5.000	3.0	<50.	<4.00
		is 30% biotite and is moerately sheared with trace disseminated carbonate and 5% quartz/carbonate veinlets below 17.0 m.TS C90-0226									

** INCO **
DRILL LOG

BOREHOLE	:85120-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 580.00S	Departure	: 1600.00W	Elevation	: 10000.00m	Hole length	: 28.00m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.14/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.15/90	BH bearing	:
Claim #	: 872030	Section	: 1600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.00	HUMUS									
		Organics.	0.00	1.00	1.00	NS					
1.00	4.00	SAND									
		Recent sediments.	1.00	4.00	3.00	NS					
		Fine grained,sorted beige sand with pebble interbeds(10-15% of the are limestone).The unit is capped with soft,slightly gritty,grey clay.									
4.00	8.00	TILL									
		Cochrane till.	4.00	6.80	2.80	NS					
		Beige/grey gritty grey clay with 10% fine sand/silt matrix.Very few	6.80	8.00	1.20	RX 176115	<0.005	<6.000	17.0	<200.	56.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		pebble clasts made up of 40% volcanics/sediments,30% limestone, and 30% granitoids. 7.0 - 8.0 m;less gritty clay in matrix (50%),increase in percentage of clasts.Clast composition changes to 40% volcanics/sediments,5% limestone,55% granitoids.Granite boulder from 7.5 to 7.8 m.									
8.00	10.20	CLAY									
		Grey,soft,non gritty,clay with beige/grey very fine sand interbeds. Occasional small pebble/granule bed.	8.00	10.20	2.20	NS					
10.20	25.90	TILL									
		Matheson till.	10.20	12.00	1.80	NS					
		Grey/beige fine sand/silt matrix (matrix supported),with pebble to cobble clasts of composition of 30% volcanics/sediments and 70% granitoids. Minor differences to the above theme are as follows: 11.8 - 12.5 m; 3% gritty grey clay in matrix. 12.5 - 12.8 m; granite boulder. 13.5 - 17.0 m; clay rich till:grey,compact,slightly gritty clay and minor fine sand/silt in matrix. Cobble clasts are composed of 50% volcanics/sediments and 50%	12.00	12.50	0.50	RX 176116	0.035	<8.000	13.0	<200.	16.00
			12.50	12.80	0.30	NS					
			12.80	13.50	0.70	RX 176116	0.035	<8.000	13.0	<200.	16.00
			13.50	15.00	1.50	RX 176117	1.010	<5.000	10.0	200.	23.00
			15.00	16.50	1.50	RX 176118	0.616	<6.000	29.0	580.	<4.00
			16.50	17.00	0.50	RX 176119	2.160	<5.000	18.0	250.	<4.00
			17.00	17.40	0.40	NS					
			17.40	19.50	2.10	RX 176120	<0.006	<5.000	12.0	<200.	120.00
			19.50	21.20	1.70	RX 176121	0.085	<5.000	17.0	<200.	28.00
			21.20	21.50	0.30	NS					
			21.50	23.70	2.20	RX 176122	0.254	<6.000	21.0	<200.	38.00
			23.70	25.90	2.20	RX 176123	<0.008	<6.000	32.0	<200.	22.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		granitoids.									
		17.0 - 17.4 m; greywacke boulder.									
		17.4 - 21.2 m; as to 17.0 m with approximately 10% limestone clasts.									
		21.2 - 21.5 m; granitite boulder.									
		21.5 - 24.8 m; as to 21.2 m.									
		24.8 - 25.1 m; mafic volcanic boulder.									
		25.1 - 25.9 m; as to 21.2 m.									
25.90	28.00	BEDROCK									
		25.9 - 26.4 m; dark greenish/grey,fine to medium grained greywacke ,well foliated with thin siliceous bands(2-3% of sample) and trace hematite and FeO stain.	25.90	26.40	0.50	RX 176124	<0.005	<5.000	6.0	300.	<4.00
			26.40	27.20	0.80	RX 176125	0.026	<5.000	5.0	460.	<4.00
			27.20	28.00	0.80	RX 176126	0.027	<5.000	4.0	330.	<4.00
		26.4 - 28.0 m; dark grey to black,aphanitic and fine grained greywacke and siltstone.Rock is fissile with 10% quartz/carbonate veinlets containing 1% sulphides.									
		Below 27.0 m there is 1-2% disseminated and veinlet sulphides with 1-2% disseminated and veinlet carbonate.TS C90-0227									

** INCO **
DRILL LOG

BOREHOLE	:85121-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 690.00S	Departure	: 2000.00W	Elevation	: 10000.00m	Hole length	: 17.10m
NTS/Quad	: 42 H 8	Logged by	: D.TRUSCOTT	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.15/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.15/90	BH bearing	:
Claim #	: 872255	Section	: 2000 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.30	HUMUS									
		Organics.	0.00	1.30	1.30	NS					
1.30	2.00	TILL									
		Cochrane till.	1.30	2.00	0.70	RX 176128	3.410	<5.000	12.0	<200.	29.00
		Greenish/grey to ochre coloured gritty clay with lesser fine sand matrix;rare small pebbly meta-volcanic/sedimentary clasts.									
2.00	15.10	TILL									
		Matheson till.	2.00	4.50	2.50	RX 176128	3.410	<5.000	12.0	<200.	29.00
		2.0 - 7.5 m; grey,fine	4.50	6.60	2.10	RX 176129	0.180	<5.000	11.0	<200.	62.00
		grained,silty matrix with very little	6.60	8.50	1.90	RX 176130	0.992	<6.000	14.0	<200.	74.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		clay; 70% granitic and 30%	8.50	10.50	2.00	RX 176131	0.123	<6.000	10.0	<200.	85.00
		volcanic/sedimentary clasts.Poor return	10.50	12.00	1.50	RX 176132	0.119	<5.000	20.0	270.	36.00
		on sample.Sharp upper contact.Possible	12.00	13.50	1.50	RX 176133	0.060	<5.000	17.0	300.	220.00
		granite cobbles at 2.6 m accounting for	13.50	15.10	1.60	RX 176134	0.197	<5.000	20.0	250.	90.00
		high granitic content of clasts.									
		7.5 - 9.0 m; clast supported									
		noticeably higher;sample return still									
		poor.									
		9.0 - 9.9 m; rare									
		granular,grey clay lumps < 0.5									
		cm;higher rate of return.									
		11.5 - 11.6 m; as 9.0 to 9.9									
		m with clay lumps to 45% of sample and									
		ranging up to 2.5 cm in diameter;5%									
		greenish/grey limestone clasts.									
		12.3 m ;quartz content of									
		clasts increasing.									
		12.8 - 12.9 m; mildly gritty									
		clay horizon.									
		13.0 - 13.6 m; return to									
		fine gritty clay lumps as 9.0 to 9.9 m									
		interval(up to 35% of sample);granitic									
		clasts comprise remainder.									
		13.6 - 13.9 m; clay clasts									
		as above to 85%									
		14.5 - 14.8 m; possible									
		gabbroic boulder.									
		14.8 - 14.9 m; return to									
		clast supported till with lesser gritty									
		clay lumps.									
		14.9 - 15.1 m; possible									
		gabbroic field with ground cobbles									
		comprising matrix.									

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		15.1 m; gritty clay lumps to 1.5 cm as 11.5 to 11.6 m,matrix finer-grained with mafic bias,poorly sorted,platy and medium to fine grained.									
15.10	17.10	BEDROCK Gabbro. Same fine grained,greenish/gray matrix and angular clasts(varisized) as 14.9 to 15.1 m ,noteable biotite crystals to 25% of clasts,40-50% plagioclase?(less in matrix);up to 5% accicular horneblende?,trace pyrrhotite,trace to 1% fine grained disseminated pyrite. Medium grained mafic intrusive with sulphide mineralization continued to lower half of sample. TS 90-0228	15.10	17.10	2.00	RX 176135	0.012	<5.000	<2.0	260.	230.00

** INCO **
DRILL LOG

BOREHOLE	:85122-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 800.00S	Departure	: 2400.00W	Elevation	: 10000.00m	Hole length	: 13.00m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.15/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.15/90	BH bearing	:
Claim #	: B72264	Section	: 2400 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.00	HUMUS Organics.	0.00	2.00	2.00	NS					
2.00	2.40	CLAY Cochrane sediments from 2.0 to 6.5 m. Grey soft gritty clay.	2.00	2.40	0.40	RX 176136	<0.010	<7.000	22.0	<200.	95.00
2.40	5.00	SAND Beds of beige fine,medium and coarse grained sand with pebbly interbeds. Also occasional thin,non gritty,soft,grey clay bed.	2.40	5.00	2.60	RX 176136	<0.010	<7.000	22.0	<200.	95.00

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
5.00	6.50	GRAVEL									
		Sorted coarse sand matrix.Pebble and small cobble clasts composed of 30% volcanics/sediments,30% limestone,40% granitoids.The unit is matrix supported.	5.00	6.50	1.50	RX 176136	<0.010	<7.000	22.0	<200.	95.00
6.50	7.50	TILL									
		Cochrane till?.	6.50	7.50	1.00	RX 176137	0.292	<5.000	23.0	<200.	33.00
		Beige/grey,gritty clay with approximately 10% fine sand/silt matrix.									
		Very few pebble clasts of similar composition as 5.0 to 6.5 m.									
7.50	9.50	CLAY									
		Ojibway II sediments from	7.50	8.70	1.20	RX 176137	0.292	<5.000	23.0	<200.	33.00
		7.5 to 11.4 m.	8.70	9.50	0.80	RX 176138	0.055	<6.000	24.0	<200.	68.00
		Gradational contact between 7.5 and 9.2 m.									
		The unit alternates between what appears like Cochrane till and beige sorted fine sand beds as well as thin non gritty clay beds.									
		9.2 - 9.5 m; grey/beige non gritty soft clay bed.									
9.50	11.40	SAND									
		Glacial fluvial sediments.	9.50	10.50	1.00	RX 176138	0.055	<6.000	24.0	<200.	68.00
		Beds of beige,fine,medium	10.50	11.40	0.90	RX 176139	0.010	<6.000	16.0	<200.	150.00
		and coarse grained sand with pebble interbeds.Clast composition as follows;25% volcanics/sediments and 75% granitoids.									
11.40	13.00	BEDROCK									
		Dark green,medium grained	11.40	12.00	0.60	RX 176140	<0.005	<5.000	<2.0	210.	<4.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		gabbro.	12.00	12.50	0.50	RX 176141	<0.005	<5.000	<2.0	340.	<4.00
		The rock is well	12.50	13.00	0.50	RX 176142	<0.005	<5.000	<2.0	260.	<4.00
		foliated,chloritic with 3%									
		quartz/carbonate veinlets,< 1%									
		sulphides (disseminated),minor									
		disseminated carbonate and trace									
		epidote.2 cm wide quartz veinlets noted									
		13.0 m.TS C90-0229									

** INCO **
DRILL LOG

BOREHOLE	:85123-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 905.00S	Departure	: 2800.00W	Elevation	: 10000.00m	Hole length	: 16.50m
NTS/Quad	: 42 H 8	Logged by	: D.TRUSCOTT	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.16/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.16/90	BH bearing	:
Claim #	: 872268	Section	: 2800 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.50	HUMUS									
		Organics.	0.00	1.50	1.50	NS					
1.50	1.90	TILL									
		Cochrane till.	1.50	1.90	0.40	RX 176143	0.084	<6.000	18.0	270.	160.00
		Fine,grey,gritty with a few mafic rock chips.									
1.90	14.50	TILL									
		Matheson till.	1.90	4.50	2.60	RX 176143	0.084	<6.000	18.0	270.	160.00
		1.9 - 2.0 m; < 1 cm rounded mafic pebbles in fine silty/sandy,grey matrix.	4.50	7.50	3.00	RX 176144	0.389	<6.000	9.0	<200.	64.00
			7.50	8.70	1.20	NS					
			8.70	10.60	1.90	RX 176145	0.101	<6.000	11.0	200.	45.00
		2.0 - 3.0 m; clast supported	10.60	12.00	1.40	RX 176146	0.064	<5.000	15.0	200.	82.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		till 50% sediments/volcanics and 50% granitoids with rare limestone clast. 3.9 m; increasingly matrix supported with locally rounded clasts; poorly sorted sill and sand matrix. 5.2 m; gritty grey cley lumpsw to 0.5 cm making up to 35% of the clast content. 7.1 - 7.2 m; matrix coarsening ;rapid loss of water and poor sample return. 8.5 m; clay lumps clast supported. 9.6 - 9.7 m; biotite schist cobble. 10.1 - 10.2 m; gritty grey clay lumps 0.5 cm.Clast composition is In favour of the sediments/volcanics over the granitoids. 10.5 m; biotite schist cobble. N.B. very poor return on sample due to poor seal around rods,sample taken over larger interval. 11.1 - 11.8 m; Matheson till as above with 20% biotite schist clasts and granitoid clasts to 70%. 14.1 - 14.2 m; granitic boulder;till generally cobbly here.	12.00	13.50	1.50	RX 176147	0.357	<5.000	19.0	260.	24.00
			13.50	14.50	1.00	RX 176148	0.804	<6.000	13.0	450.	88.00
14.50	16.50	BEDROCK Biotite/chlorite/muscovite	14.50	15.40	0.90	RX 176149	<0.005	<5.000	<2.0	210.	<4.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		schist.	15.40	15.80	0.40	RX 176150	<0.005	<5.000	<2.0	<50.	<4.00
		Greenish/grey weakly carbonatized,moderately to strongly foliated with biotite development parallel to foliation,(platy chips).	15.80	16.50	0.70	RX 176151	<0.005	<5.000	<2.0	230.	34.00
		16.4 - 16.5 m; slightly more massive (possible contact with shear).									
		TS C90-0230									

** INCO **
DRILL LOG

BOREHOLE	:85124-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1100.00S	Departure	: 3200.00W	Elevation	: 10000.00m	Hole length	: 13.00m
NTS/Quad	: 42 H 8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.16/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.16/90	BH bearing	:
Claim #	: 871904	Section	: 3200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.00	HUMUS									
		Organics.	0.00	1.00	1.00	NS					
1.00	5.00	TILL									
		Cochrane till.	1.00	5.00	4.00	NS					
		Grey/beige gritty clay and fine sand/silt matrix.									
		Scattered small pebble clasts predominantly metasediments.									
5.00	10.00	CLAY									
		Gradational contact into grey,soft non gritty clay.	5.00	10.00	5.00	NS					
10.00	11.60	TILL									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Grey/beige fine sand/silt matrix with 3% gritty clay lumps. Pebble and small cobble clasts comprised of 30% volcanics/sediments and 70% granitoids.The till is matrix supported.	10.00	11.60	1.60	RX 176152	0.262	<7.000	15.0	<200.	290.00
11.60	13.00	BEDROCK									
		Siltstone/greywacke.	11.60	12.00	0.40	RX 176153	<0.005	<5.000	<2.0	210.	250.00
		Dark grey,greenish in places,very fine grained,fissle,moderately to well foliated with 2-3% quartz/carbonate veinlets/stringers and trace disseminated sulphides.Rock is chloritic along bedding planes and hard to drill.	12.00	12.50	0.50	RX 176154	<0.005	<5.000	<2.0	270.	4.00
		Below 12.2 m; sulphides increase to 1% and the rock becomes fine grained the foliation is more pronounced and there is trace FeO stain,0.5% Fe/Mg carbonate and 40% biotite.TS C90-0231	12.50	13.00	0.50	RX 176155	<0.005	<5.000	3.0	260.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85125-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1800.00S	Departure	: 3400.00W	Elevation	: 10000.00m	Hole length	: 17.20m
NTS/Quad	:	Logged by	: D.TRUSCOTT	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.16/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.16/90	BH bearing	:
Claim #	: 871906	Section	: 3400 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.50	HUMUS Organics.	0.00	2.50	2.50	NS					
2.50	6.90	TILL Gritty grey clay with rare small pebbles in a sandy and lesser silty matrix.	2.50	6.90	4.40	NS					
6.90	14.40	CLAY Ojibway II sediments from 6.9 to 14.7 m. Pure grey clay with gradational upper contact;occasional gritty clay lumps to 0.5 cm ;rare <0.25	6.90	14.40	7.50	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		cm sedimentary/volcanic clasts.									
14.40	14.70	SAND									
		Fine grained sand and silt	14.40	14.70	0.30	NS					
		interbed.									
14.70	15.80	TILL									
		Matheson till.	14.70	15.80	1.10	RX 176156	<0.009	<6.000	12.0	260.	79.00
		Unsorted grey to tan									
		coloured sand and silt matrix;clast									
		supported 50% volcanics/sediments and									
		50% granitoids.									
15.80	17.20	BEDROCK									
		Very fine grained,black	15.80	16.10	0.30	RX 176157	0.010	<5.000	<2.0	260.	46.00
		siltstone;well foliated,locally	16.10	16.70	0.60	RX 176158	0.009	<5.000	4.0	180.	<4.00
		carbonate rich,rarely micaceous.	16.70	17.20	0.50	RX 176159	<0.005	<5.000	<2.0	180.	<4.00
		16.0 m;local pinkish/green									
		siliceous interbeds (<2 mm).									
		16.4 m;quartz/carbonate vein									
		with trace fine graied subhedral pyrite									
		And rare FeO staining.TS C90-0232									

** INCO **
DRILL LOG

BOREHOLE	:85126-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1900.00S	Departure	: 3600.00W	Elevation	: 10000.00m	Hole length	: 7.50m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.16/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.16/90	BH bearing	:
Claim #	: 871907	Section	: 3600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.50	HUMUS									
		Organics.	0.00	0.50	0.50	NS					
0.50	5.00	TILL									
		Cochrane Till.	0.50	5.00	4.50	NS					
		Initially ochre to grey-beige gritty clay with minor fine sand matrix. Very few small pebble clasts (predominantly metasediments)..									
5.00	5.80	TILL									
		Matheson Till	5.00	5.80	0.80	RX 176160	0.031	<5.000	8.0	<200.	210.00
		Abrupt upper contact. Approximately 5% grey-beige fine sand									

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		and silt with gritty clay lumps. Cobble clast-supported (70% granitoids, 30% volcanics and sediments.									
5.80	7.50	BEDROCK									
		Feldspar porphyry	5.80	6.20	0.40	RX 176161	0.007	<5.000	3.0	<50.	<4.00
		Reddish-pink and grey,	6.20	6.90	0.70	RX 176162	<0.005	<5.000	<2.0	<50.	<4.00
		coarse-grained, porphyritic in	6.90	7.50	0.60	RX 176163	<0.005	<5.000	<2.0	110.	<4.00
		feldspar. Well foliated, moderately sheared, hematite stained and chloritic along slip planes. 3-5% quartz-carbonate stringers. Less than 0.5% disseminated and stringer-hosted sulphides.TS C90-0233									

** INCO **
DRILL LOG

BOREHOLE	:85127-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2000.00S	Departure	: 4000.00W	Elevation	: 10000.00m	Hole length	: 10.50m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.17/90	BL azimuth	: 090
Twp/County	: Blakelock	Core size	:	Completed	: FEB.17/90	BH bearing	:
Claim #	: 871924	Section	: 4000 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.50	HUMUS									
		Organics.	0.00	0.50	0.50	NS					
0.50	7.00	TILL									
		Cochrane Till.	0.50	7.00	6.50	NS					
		Ochre to grey-beige gritty clay with minor fine sand and silt matrix..									
		Very few pebble clasts (predominantly metasediments).									
7.00	7.80	CLAY									
		Ojibway II Sediments.	7.00	7.80	0.80	NS					
		Gradational upper contact									

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		into non-gritty, soft grey clay.									
7.80	9.30	TILL									
		Matheson Till.	7.80	9.00	1.20	RX 176164	<0.008	<6.000	10.0	<200.	<4.00
		Grey-beige, slightly sorted	9.00	9.30	0.30	RX 176165	<0.009	<6.000	12.0	<200.	<4.00
		(silt deficient) with a fine sand matrix.									
		Matrix supported with cobble-sized clasts of composition: 75% granitoids, 25% sediments and volcanics..									
9.30	10.50	BEDROCK									
		Medium grey , fine grained ,	9.30	9.60	0.30	RX 176166	<0.005	<5.000	5.0	<50.	<4.00
		well foliated. 30% of chips appear to	9.60	10.00	0.40	RX 176167	0.005	<5.000	3.0	59.	<4.00
		have porphyritic texture (relict	10.00	10.50	0.50	RX 176168	0.011	<5.000	<2.0	170.	<4.00
		feldspars ?) and are hematite stained.									
		10.2 m.: 5-7% quartz-carbonate veinlets.									
		30% biotite, 1-2% disseminated carbonate.									
		10.5 m.TS C90-0234									

** INCO **
DRILL LOG

BOREHOLE	:85128-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2000.00S	Departure	: 4200.00W	Elevation	: 10000.00m	Hole length	: 19.50m
NTS/Quad	: 42 H/8	Logged by	: D. TRUSCOTT	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.17/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.17/90	BH bearing	:
Claim #	: 871925	Section	: 4200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.50	HUMUS Organics.	0.00	2.50	2.50	NS					
2.50	8.50	TILL Cochrane Till Gritty grey clay; rare fine,rounded pebbles to 2 cm. 4.8 m.: less gritty; gradational contact with Ojibway II sediments..	2.50	8.50	6.00	NS					
8.50	15.30	CLAY Ojibway II sediments.. Pure grey clay with lesser	8.50	15.30	6.80	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		silt; interbeds of fine grey- to tan-coloured sand and small rounded pebbles (<0.25 cm.).									
15.30	18.40	TILL									
		Matheson Till.	15.30	16.50	1.20	RX 176169	0.015	<6.000	18.0	<200.	<4.00
		Tan-coloured sandy and silty	16.50	17.80	1.30	RX 176170	0.159	<5.000	13.0	<200.	19.00
		unsorted matrix; 55% granitiod, 40%	17.80	18.40	0.60	RX 176171	0.032	<6.000	12.0	<200.	16.00
		sedimentary/volcanic and 5% varisized limestone clasts..									
		18.0-18.3 m.: siltstone cobble..									
18.40	19.50	BEDROCK									
		Siltstone.	18.40	18.80	0.40	RX 176172	<0.005	<5.000	3.0	<50.	<4.00
		Greenish-grey to black, very	18.80	19.10	0.30	RX 176173	<0.005	<5.000	<2.0	<50.	<4.00
		fine-grained, weakly to moderately	19.10	19.50	0.40	RX 176174	<0.005	<5.000	<2.0	220.	<4.00
		foliated, with numerous quartz-(carbonate) veinlets; even-spaced cleavage parallel to foliation with a 2mm. period; chloritic and locally micaceous along cleavage planes.TS C90-0235									
		19.5m.: FOOT OF HOLE..									

** INCO **
DRILL LOG

BOREHOLE	:85129-D					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2100.00S	Departure	: 4400.00W	Elevation	: 10000.00m	Hole length	: 11.50m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.17/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.17/90	BH bearing	:
Claim #	: 871925	Section	: 4200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.30	HUMUS									
		Organics.	0.00	0.30	0.30	NS					
0.30	5.30	TILL									
		Cochrane Till.	0.30	5.30	5.00	NS					
		Ochre to (downsection) grey-beige gritty clay with minor fine sand and silt matrix. Very few pebble clasts (predominantly metasediments)..									
5.30	10.00	TILL									
		Matheson Till.	5.30	6.90	1.60	RX 176175	0.457	<6.000	13.0	<200.	<4.00
		Abrupt contact with	6.90	9.00	2.10	RX 176176	<0.009	<6.000	13.0	<200.	28.00
		overlying till. Beige-grey fine	9.00	10.00	1.00	RX 176177	0.038	<7.000	9.0	<200.	31.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		sand/silt matrix (occasionally slightly sorted in apperance). Cobble clast composition:. 80% granitoid, 20% volcanics and sediments (matrix supported)..									
10.00	11.50	BEDROCK									
		Siltstone..	10.00	10.50	0.50	RX 176178	<0.005	<5.000	<2.0	230.	<4.00
		Dark grey to black,	10.50	11.00	0.50	RX 176179	<0.005	<5.000	<2.0	200.	<4.00
		aphanitic to very fine-grained. Fissile with a well developed foliation. 5% quartz veinlets. Main mafic minerals: biotite/chlorite. Trace disseminated sulphides..	11.00	11.50	0.50	RX 176180	0.009	<5.000	<2.0	310.	<4.00
		11.5 m.: E.O.H. TS C90-0236									

** INCO **
DRILL LOG

BOREHOLE	:85130-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2200.00S	Departure	: 4800.00W	Elevation	: 10000.00m	Hole length	: 9.00m
NTS/Quad	: 42 H/8	Logged by	: D. TRUSCOTT	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.17/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.17/90	BH bearing	:
Claim #	: 871930	Section	: 4800 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.50	HUMUS									
		Organics.	0.00	2.50	2.50	NS					
2.50	5.80	TILL									
		Cochrane Till..	2.50	5.80	3.30	NS					
		Ochre- to grey-coloured gritty clay with some silt and rare rounded pebbles..									
5.80	7.40	CLAY									
		Ojibway II Sediments..	5.80	7.40	1.60	NS					
		Pure grey clay; gradational upper contact..									
7.40	7.80	TILL									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Matheson Till. Unsorted silt and sand matrix; angular clasts (60% sedimentary/volcanic 40% granitic)..	7.40	7.80	0.40	RX 176181	0.512	<5.000	11.0	<200.	180.00
7.80	9.00	BEDROCK Chloritic intermediate volcanic..	7.80	8.40	0.60	RX 176182	<0.005	<5.000	<2.0	100.	<4.00
			8.40	8.70	0.30	RX 176183	<0.005	<5.000	<2.0	<50.	<4.00
		Greenish-grey to greenish-yellow, fine-grained , weakly to moderately foliated; weakly banded (feldspathic ?); less than 2% prismatic hornblende (?); micaceous along slip planes..	8.70	9.00	0.30	RX 176184	<0.005	<5.000	<2.0	160.	<4.00
		9.0 m.: FOOT OF HOLE.TS C90-0237									

** INCO **
DRILL LOG

BOREHOLE	:85131-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 500.00S	Departure	: 300.00W	Elevation	: 10000.00m	Hole length	: 4.80m
NTS/Quad	: 42 H/8	Logged by	: K. Hannila	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.18/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.18/90	BH bearing	:
Claim #	: 848110	Section	: 500 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.70	TILL Cochrane Till.. Minor organic layer (<5 cm.), poor return..	0.00	2.70	2.70	NS					
2.70	3.30	TILL Matheson Till.. Beige, fine sand/silt and minor beige gritty clay matrix. Pebble and small cobble clasts: 50% volcanics and sediments, 50% granite..	2.70	3.30	0.60	RX 176185	0.033	<6.000	<2.0	<200.	71.00
3.30	4.80	BEDROCK Dark grey , fine grained ,	3.30	3.70	0.40	RX 176186	<0.005	<5.000	<2.0	230.	<4.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		well foliated greywacke with 1% quartz	3.70	4.50	0.80	RX 176187	0.008	<5.000	3.0	260.	<4.00
		Granodiorite..	4.50	4.80	0.30	RX 176188	<0.005	<5.000	<2.0	<50.	<4.00
		Light pinkish-greenish-gray to brownish-gray, fine-grained, massive; 10 to 20% biotite, very slight gossan, weakly chloritic along possible shear planes or foliation. Sulphides <2% and minor quartz-carbonate veining..									
		4.8 m.: FOOT OF HOLE.TS C90-0238									

** INCO **
DRILL LOG

BOREHOLE	:85132-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 300.00S	Departure	: 500.00W	Elevation	: 10000.00m	Hole length	: 9.50m
NTS/Quad	: 42 H/8	Logged by	: K. HANNILA	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.18/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.18/90	BH bearing	:
Claim #	: 848108	Section	: 500 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE
****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	3.80	TILL									
		Cochrane Till.	0.00	1.00	1.00	NS					
		Light brown to ochre clay;	1.00	3.80	2.80	RX 176189	1.410	<6.000	6.0	<200.	69.00
		sand fraction < 10%; pebbles of limestone and intermediate volcanics in equal proportions. Unit displays a degree of reworking of the underlying Matheson Till with an increase of granitic clasts with depth.									
3.80	4.20	SILT									
		Ojibway II sediments.	3.80	4.20	0.40	NS					
		Grey-beige silt with a									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		lesser non-gritty clay fraction.									
4.20	7.50	TILL									
		Matheson Till.	4.20	7.50	3.30	RX 176190	0.093	<5.000	9.0	<200.	16.00
		Light beige, sandy, silty, unsorted matrix; pebble- to cobble-sized clasts with granitics predominating and lesser mafic volcanics.									
		4.4-4.8 m.: quartz-veined mafic intrusive boulder.									
7.50	9.50	BEDROCK									
		Mafic volcanic.	7.50	8.00	0.50	RX 176191	<0.005	<5.000	<2.0	420.	440.00
		Dark greenish-grey,	8.00	9.00	1.00	RX 176192	<0.005	<5.000	<2.0	300.	<4.00
		fine-grained with 20 to 30% quartz veining.	9.00	9.50	0.50	RX 176193	0.015	<5.000	<2.0	310.	<4.00
		Sulphides <1%, slightly chloritic, foliated of sheared; minor limonite.									
		9.5 m.: FOOT OF HOLE.TS C90-0239									

** INCO **
DRILL LOG

BOREHOLE	:85133-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 300.00S	Departure	: 300.00W	Elevation	: 10000.00m	Hole length	: 3.00m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.18/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.18/90	BH bearing	:
Claim #	: 848111	Section	: 300 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.60	TILL									
		Cochrane Till.	0.00	1.60	1.60	NS					
		Ochre gritty clay with minor sand/silt (approximately 10%). Very few small pebble clasts (predominantly metasediments- not enough return to sample..									
1.60	3.00	BEDROCK									
		Mafic volcanic ?.	1.60	2.00	0.40	RX 176194	0.041	<5.000	3.0	360.	<4.00
		Dark greenish-grey,	2.00	2.50	0.50	RX 176195	<0.005	<5.000	<2.0	400.	<4.00
		fine-grained, moderately to well foliated. 10-15% quartz-carbonate	2.50	3.00	0.50	RX 176196	0.006	<5.000	<2.0	250.	<4.00

** INCO **
DRILL LOG

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	AU	AG	AS	ZN	W
m	m		m	m	m		PPM	PPM	PPM	PPM	PPM

veinlets; coarse muscovite flakes; 1-2
% disseminated sulphides..
TS C90-0240

** INCO **
DRILL LOG

BOREHOLE	:85134-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 645.00S	Departure	: 1800.00W	Elevation	: 10000.00m	Hole length	: 11.80m
NTS/Quad	: 42 H/8	Logged by	: D. TRUSCOTT	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.18/90	BL azimuth	: 090
Twp/County	: HOBLITZELL	Core size	:	Completed	: FEB.18/90	BH bearing	:
Claim #	: 872030	Section	: 1800 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.30	HUMUS									
		Organics.	0.00	1.30	1.30	NS					
1.30	2.10	TILL									
		Cochrane Till.	1.30	2.10	0.80	NS					
		Ochre to grey gritty clay and lesser silt with rare rounde pebbles..									
2.10	10.60	TILL									
		Matheson Till.	2.10	4.50	2.40	RX 176197	0.199	<6.000	12.0	<200.	50.00
		Unsorted silt and sand	4.50	6.00	1.50	RX 176198	0.211	<6.000	14.0	<200.	17.00
		matrix with 30% sedimentary/volcanic and 70% granitic clasts. Locally gritty	6.00	10.60	4.60	RX 176199	0.248	<5.000	7.0	<200.	63.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		clay lumps throughout section to 20% of clasts; occasional grey pure clay lumps. 3.3-3.4 m.: siltstone boulder. 4.8 m.: narrow, grey, pure clay horizon. 7.7-7.8 m.: biotite schist cobble field; poor return and extended sample interval. 9.3-9.9 m.: matrix increasingly silty with grey, platy, pure clay lumps (Missinabi ? rip-up clasts).									
10.60	11.80	BEDROCK Mafic volcanic. Grey to black, fine- to medium-grained, moderately foliated; rare py- (po)-mineralized quartz-carbonate stringers throughout; biotite crystals to 1.5 mm. disseminated throughout; sulphides trace to 1% accicular hornblende (?) to 4 mm. comprises 10% of unit with biotite to 5 %. 11.8 m.; FOOT OF HOLE.TS C90-0241	10.60	10.80	0.20	RX 176200	0.009	<5.000	<2.0	<50.	<4.00
			10.80	11.50	0.70	RX 176201	<0.005	<5.000	<2.0	<50.	<4.00
			11.50	11.80	0.30	RX 176202	<0.005	<5.000	<2.0	<50.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85135-D					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 790.00S	Departure	: 2200.00W	Elevation	: 10000.00m	Hole length	: 16.50m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.18/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.19/90	BH bearing	:
Claim #	: 872260	Section	: 2200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.00	HUMUS									
		Organics.	0.00	1.00	1.00	NS					
1.00	5.00	TILL									
		Cochrane Till.	1.00	5.00	4.00	NS					
		Grey-beige gritty clay with minor fine sand and silt (approximately 10%) matrix. Very few small pebble clasts (predominantly metasediments)..									
5.00	6.20	CLAY									
		Ojibway II sediments..	5.00	6.20	1.20	NS					
		Gradational contact into grey, soft, non-gritty clay with silt									

** INCO **
DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		interbeds..									
6.20	15.00	TILL									
		Matheson Till..	6.20	9.00	2.80	RX 176203	1.190	<6.000	12.0	<200.	50.00
		Slightly sorted, silt	9.00	10.50	1.50	RX 176204	0.240	<5.000	15.0	440.	230.00
		deficient, grey-beige, fine sand/silt	10.50	12.00	1.50	RX 176205	0.087	<5.000	16.0	<200.	48.00
		with minor grey, gritty clay matrix.	12.00	13.50	1.50	RX 176206	0.112	<5.000	22.0	<200.	34.00
		Cobble clasts of composition: 80%	13.50	15.00	1.50	RX 176207	<0.009	<6.000	14.0	<200.	18.00
		granitoids, 20% sediments/volcanics..									
		7.2-7.5 m.: boulder-									
		granite.									
		7.5-11.5 m.: similar to									
		6.4-7.2 with occasional thin, beige,									
		sorted fine-grained sand beds..									
		11.5-15.0 m.: up to 25%									
		grey, gritty clay matrix. Increase in									
		percentage of metasediment cobble									
		clasts to 60% (E.O.H. 13.5 m., Feb.									
		18.)..									
15.00	16.50	BEDROCK									
		Diorite..	15.00	15.50	0.50	RX 176208	<0.005	<5.000	<2.0	<50.	<4.00
		Medium grey , medium-grained	15.50	16.00	0.50	RX 176209	0.014	<5.000	<2.0	<50.	<4.00
		, well foliated, slightly sheared with	16.00	16.50	0.50	RX 176210	<0.005	<5.000	<2.0	138.	<4.00
		development of chlorite along slip									
		planes. 5% quartz-carbonate veinlets;									
		no visible sulphides..									
		16.5 m.: E.O.H. TS C90-0242									

** INCO **
DRILL LOG

BOREHOLE	:85136-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 785.00S	Departure	: 2600.00W	Elevation	: 10000.00m	Hole length	: 9.00m
NTS/Quad	: 42 H/8	Logged by	: K. HANNILA	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.19/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.19/90	BH bearing	:
Claim #	: 872264	Section	: 2600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	2.50	TILL Cochrane Till. Very thin organic layer. Light beige to ochre, sandy clay. Sand 20%, minor silt, clast poor; 90-95% matrix..	0.00	2.50	2.50	NS					
2.50	5.10	TILL Matheson Till. Light beige sandy, silty matrix; pebble to cobble clasts predominantly granitoid, with 30% volcanics and sediments, 2-3% gritty	2.50	5.10	2.60	RX 176211	<0.011	<7.000	12.0	<200.	28.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		clay matrix in sections; 3.9-5.1 m.: granitic cobbles predominate (>90%)..									
5.10	7.40	VOLCANIC									
		Sedimentary with lesser	5.10	6.00	0.90	RX 176212	0.055	<16.000	<3.0	<200.	49.00
		quartz diorite pebbles and cobbles..	6.00	7.40	1.40	RX 176213	<0.008	<6.000	5.0	<200.	58.00
7.40	9.00	BEDROCK									
		Dark greenish-grey,	7.40	8.00	0.60	RX 176214	<0.005	<5.000	<2.0	<50.	<4.00
		fine-grained, slightly chloritic with	8.00	8.50	0.50	RX 176215	<0.005	<5.000	<2.0	144.	<4.00
		minor quartz-carbonate veining,	8.50	9.00	0.50	RX 176216	<0.005	<5.000	<2.0	<50.	<4.00
		sulphides <1%. Marked increase in quartz- carbonate veining after 8.6..									
		9.0 m.: FOOT OF HOLE.TS C90-0243									

** INCO **
DRILL LOG

BOREHOLE	:85137-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1105.00S	Departure	: 3000.00W	Elevation	: 10000.00m	Hole length	: 7.00m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.19/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.19/90	BH bearing	:
Claim #	: 872268	Section	: 3000 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE
New bit # B000194.
****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	1.00	HUMUS Organics.	0.00	1.00	1.00	NS					
1.00	3.00	TILL Cochrane Till. Grey-beige gritty clay with minor fine sand/silt matrix. Very few small pebble clasts (predominantly metasediments)..	1.00	3.00	2.00	NS					
3.00	5.00	TILL Matheson Till.. Abrupt contact with overlying till. Grey-beige fine	3.00	5.00	2.00	RX 176217	<0.009	<6.000	<2.0	<200.	260.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		sand/silt matrix. Cobble-sized clasts of composition: 70% volcanics and sediments, 30% granitoids..									
5.00	7.00	BEDROCK									
		Dark greenish-grey ,	5.00	5.50	0.50	RX 176218	<0.005	<5.000	<2.0	<50.	<4.00
		fine-grained , moderate to well	5.50	6.10	0.60	RX 176219	<0.005	<5.000	<2.0	105.	<4.00
		foliated, mildly chloritic; 2-3%	6.10	7.00	0.90	RX 176220	0.009	<5.000	<2.0	111.	<4.00
		quartz/carbonate veinlets..									
		7.0 m.: E.O.H.TS C90-0244									

** INCO **
DRILL LOG

BOREHOLE :85138-0 PRINT DATE : 4-OCT-1990 15:46
PROJECT : Q.S.R.

Latitude	: 1135.00S	Departure	: 3400.00W	Elevation	: 10000.00m	Hole length	: 8.10m
NTS/Quad	: 42 H/8	Logged by	: K. HANNILA	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.19/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.19/90	BH bearing	:
Claim #	: 871904	Section	: 3400 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	6.00	CLAY									
		Ojibway II sediments..	0.00	1.50	1.50	NS					
		Light grey ,sandy, gritty clay non gritty clay ..	1.50	6.00	4.50	NS					
6.00	6.60	TILL									
		Matheson Till..	6.00	6.60	0.60	RX 176221	0.322	<7.000	<2.0	<200.	360.00
		Light beige, sandy silty matrix; pebbles to cobbles; 50% granitoid, 50% sediments and volcanics..									
6.60	8.10	BEDROCK									
		Light to dark greenish-grey,	6.60	7.10	0.50	RX 176222	0.017	<5.000	<2.0	87.	9.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		fine-grained, weakly chloritic; pyrite 1-2%..	7.10	7.60	0.50	RX 176223	0.037	<5.000	<2.0	213.	82.00
			7.60	8.10	0.50	RX 176224	0.048	<5.000	<2.0	252.	80.00
		7.6-8.1 m.: fresh quartz diorite with muscovite and chlorite; slightly higher quartz content due to increase in quartz veining; pyrite 2-3% throughout as disseminations and along quartz veins..									
		8.1 m.: FOOT OF HOLE.TS C90-0245									

** INCO **
DRILL LOG

BOREHOLE	:85139-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1780.00S	Departure	: 3020.00W	Elevation	: 10000.00m	Hole length	: 5.00m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.19/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.19/90	BH bearing	:
Claim #	: 872270	Section	: 3020 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	3.00	TILL									
		Cochrane Till.	0.00	3.00	3.00	NS					
		Ochre gritty clay matrix with minor fine sand/silt matrix. Very few small pebble clasts (predominantely metasediments- 10% limestone. Not enough return for sample..									
3.00	5.00	BEDROCK									
		Granodiorite..	3.00	3.80	0.80	RX 176225	<0.005	<5.000	<2.0	<50.	<4.00
		Medium-grey and pinkish-red, coarse-grained, hematite-stained, well foliated, slightly chloritic along slip	3.80	4.60	0.80	RX 176226	<0.005	<5.000	2.0	<50.	<4.00
			4.60	5.00	0.40	RX 176227	<0.005	<5.000	<2.0	<50.	<4.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM

planes; weakly sheared. 0.5% Fe-Mg carbonate along slip planes. <1% disseminated sulphides..

5.0 m.: FOOT OF HOLE.TS C90-0246

** INCO **
DRILL LOG

BOREHOLE	:85140-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2200.00S	Departure	: 4600.00W	Elevation	: 10000.00m	Hole length	: 7.10m
NTS/Quad	: 42 H/8	Logged by	: K. HANNILA	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.20/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.20/90	BH bearing	:
Claim #	: 871925	Section	: 4600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	4.20	TILL Light brown to ochre sandy to silty clay with occasional limestone clasts..	0.00	4.20	4.20	NS					
4.20	4.80	CLAY Ojibway II sediments.. Light grey ,silty clay, non-gritty..	4.20	4.80	0.60	NS					
4.80	6.10	TILL Matheson Till.. Light brown sandy, silty matrix with pebbles and cobbles	4.80	6.10	1.30	RX 176228	<0.009	26.000	10.0	<200.	110.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		predominantly granitic with lesser sedimentary and volcnic clasts. Granitic boulder at 6.0 m...									
6.10	7.10	BEDROCK									
		Granodiorite..	6.10	6.60	0.50	RX 176229	<0.005	<5.000	<2.0	<50.	250.00
		Weakly bleached at	6.60	7.10	0.50	RX 176230	<0.005	<5.000	<2.0	<50.	390.00
		overburden interface for a few inches; slightly slightly chloritic, occasional quartz chips as probable veining.									
		Sulphides < 1%. Bit played out..									
		7.1 m.: FOOT OF HOLE.TS C90-0247									

** INCO **
DRILL LOG

BOREHOLE	:85141-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2325.00S	Departure	: 5000.00W	Elevation	: 10000.00m	Hole length	: 8.00m
NTS/Quad	: 42 H/8	Logged by	: P.COLLINS	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.20/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.20/90	BH bearing	:
Claim #	: 871930	Section	: 5000 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE
new bit (B000197)/new sub
****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.50	HUMUS Organics.	0.00	0.50	0.50	NS					
0.50	2.50	TILL Cochrane Till. Ochre to grey-beige (downsection) gritty clay with minor fine sand/silt matrix. Very few pebble clasts; 70% volcanics and sediments, 30% granitoids.	0.50	2.50	2.00	NS					
2.50	6.50	TILL Matheson till. 2.5-2.7 m.: boulder-	2.50	4.50	2.00	RX 176231	0.186	<6.000	8.0	<200.	460.00
			4.50	6.00	1.50	RX 176232	0.059	<5.000	8.0	260.	43.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		granite.	6.00	6.50	0.50	RX 176233	<0.009	<6.000	11.0	<200.	64.00
		2.7-4.0 m.: grey-beige fine sand/silt matrix with 30-40% grey, gritty clay lumps. Cobble clasts of composition: 70% granitoids, 30% sediments/ volcanics. Till is cobble clast supported.									
		4.0-6.5 m.: 3-5% gritty clay in matrix, otherwise similar to 2.7-4.0.									
6.50	8.00	BEDROCK									
		Granodiorite.	6.50	7.00	0.50	RX 176234	<0.005	<5.000	<2.0	227.	<4.00
		Medium-grey, coarse-grained	7.00	7.50	0.50	RX 176235	0.008	<5.000	<2.0	370.	12.00
		(quartz, feldspar grains);weakly to moderately foliated. 20-30% biotite (groundmass), < 1% disseminated sulphides.	7.50	8.00	0.50	RX 176236	<0.005	<5.000	<2.0	290.	<4.00
		8.0 m.: E.O.H.TS C90-0248									

** INCO **
DRILL LOG

BOREHOLE	:85142-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2325.00S	Departure	: 5200.00W	Elevation	: 10000.00m	Hole length	: 4.50m
NTS/Quad	: 42 H/8	Logged by	: C. LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.20/90	BL-azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.20/90	BH bearing	:
Claim #	: 877178	Section	: 5200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS Organics.	0.00	0.40	0.40	NS					
0.40	1.70	TILL Cochrane till. Brown/ochre, gritty clay with fine- to medium-grained sand matrix. Very few pebble clasts, mainly volcanics/sediments.	0.40	1.70	1.30	NS					
1.70	3.00	TILL Matheson till. Gradational contact from	1.70	3.00	1.30	RX 176237	<0.010	<7.000	<2.0	<200.	30.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Cochrane Till into: beige/brown, fine- to medium-grained sand matrix (unsorted appearance). clasts are 70% granitoids, 30% volcanics/sediments. Apparent clast size ranges from pebbles to cobbles. Clasts support till.									
3.00	4.50	BEDROCK									
		Diorite (?): fine- to	3.00	3.40	0.40	RX 176238	<0.005	<5.000	<2.0	<50.	<4.00
		medium-grained mafic to intermediate	3.40	4.00	0.60	RX 176239	<0.005	<5.000	<2.0	<50.	<4.00
		intrusive.	4.00	4.50	0.50	RX 176240	0.008	<5.000	2.0	<50.	<4.00
		Dark green to dark grey, medium-grained, hard/siliceous; appears locally silicified; occasional quartz eye (blue); moderately foliated.									
		1-2% very fine-grained pyrite,locally (overall < 1% sulphides). Minor quartz-carbonate stringers.									
		4.5 m.: FOOT OF HOLE.TS C90-0249									

** INCO **
DRILL LOG

BOREHOLE	:85143-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2725.00S	Departure	: 6200.00W	Elevation	: 10000.00m	Hole length	: 23.60m
NTS/Quad	: 42 H/8	Logged by	: C. LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.20/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.20/90	BH bearing	:
Claim #	: 877122	Section	: 6200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS Organics.	0.00	0.40	0.40	NS					
0.40	3.00	TILL Cochrane till. Beige/ochre,gritty clay and minor sand matrix.. Very few volcanic/sedimentary clasts..	0.40	3.00	2.60	NS					
3.00	4.80	CLAY Ojibway II Sediments. 3.0-3.2: minor sand bed. Gritty, grey, strongly	3.00	4.80	1.80	NS					

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		compacted.									
4.80	6.20	SAND Ojibway II Sediments. Gradational contact into glaciofluvial/lacustrinal sediments. Beige, fine- to medium-grained sand with pure grey clay interbeds. Minor pebbles and cobbles at the top of the unit.	4.80	6.20	1.40	NS					
6.20	12.40	CLAY Ojibway II Sediments. 6.2-8.0 m.: grey, slightly gritty clay with fine-grained sand interbeds. 8.0-9.4 m.: pure (silky) clay bed. 9.4-12.4 m.: as to 8.0 m..	6.20	12.40	6.20	NS					
12.40	16.00	SAND Ojibway II Sediments. Fine, medium and coarse sand beds (beige/grey) with silt interbeds.	12.40	16.00	3.60	NS					
16.00	22.00	GRAVEL Beige, medium-grained sand matrix (very few fines); clasts are comprised of mainly pebbles with occasional cobbles. Composition 60-70% granitoids and 30% sediments/volcanics, and occasional limestone. pebbles are sub-rounded to well rounded. Interbeds of fine-, medium-, and coarse-grained sand beds. Total absence of clay. 19.9-20.0 m.: fine-grained	16.00	19.50	3.50	RX 176241	<0.010	<6.000	22.0	<200.	28.00
			19.50	22.00	2.50	RX 176242	0.060	<5.000	8.0	<200.	150.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		sand bed. 20.8-22.0 m.: increase in cobbles; appears less sorted than above.									
22.00	23.60	BEDROCK									
		Diabase (green, medium-grained intermediate intrusive). Diabase texture. 10% hornblende (FeMg) crystals against green groundmass. Hematite along slippage planes; moderately sheared. Talcous-appearing mineral along slippage planes (green to kahki-green, greasy lustre,soft)- possible serpentine. 23.6 m.: FOOT OF HOLE.TS C90-0250	22.00	22.50	0.50	RX 176243	0.015	<5.000	<2.0	142.	<4.00
			22.50	23.00	0.50	RX 176244	0.023	<5.000	<2.0	139.	<4.00
			23.00	23.60	0.60	RX 176245	0.011	<5.000	<2.0	112.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85144-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2700.00S	Departure	: 6000.00W	Elevation	: 10000.00m	Hole length	: 6.30m
NTS/Quad	: 42 H/8	Logged by	: C. LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.22/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.22/90	BH bearing	:
Claim #	: 877123	Section	: 6000 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS Organics.	0.00	0.40	0.40	NS					
0.40	4.60	TILL Cochrane till. Brown/ochre, gritty clay with a few scattered pebble clasts (mainly volcanics/sediments). Minor fine-grained sand bed at lower contact of unit.	0.40	4.60	4.20	NS					
4.60	5.00	TILL Matheson till. Beige, fine- to	4.60	5.00	0.40	RX 176246	0.065	<5.000	<2.0	<200.	31.00

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		medium-grained sand matrix with minor silty grey clay. Pebble- to cobble-sized clasts. Clast composition: 70-80% volcanics/sediments, 20-30% granitoids; occasional limestone.									
5.00	6.30	BEDROCK									
		Mafic volcanic/fine-grained intrusive.	5.00	5.50	0.50	RX 176247	<0.005	<5.000	<2.0	122.	<4.00
		Dark green (chloritic), fine-grained, very hard (siliceous).	5.50	6.00	0.50	RX 176248	0.018	<5.000	<2.0	139.	47.00
		Numerous crystal faces.	6.00	6.30	0.30	RX 176249	<0.005	<5.000	<2.0	<50.	500.00
		Slightly coarser-grained downhole. Fracture at 6.2 m..									
		6.3 m.: FOOT OF HOLE.TS C90-0251									

** INCO **
DRILL LOG

BOREHOLE	:85145-D					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 2475.00S	Departure	: 5600.00W	Elevation	: 10000.00m	Hole length	: 7.20m
NTS/Quad	: 42 H/8	Logged by	: C. LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.22/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.22/90	BH bearing	:
Claim #	: 877179	Section	: 5600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	4.00	GRAVEL									
		Cochrane Sediments.	0.00	1.70	1.70	NS					
		0.0-1.7 m.: no return.	1.70	4.00	2.30	NS					
		Beige/brown medium- to coarse-grained sand matrix (possible thin beds). Clasts are comprised of: 40% granitoids, 30% volcanics/sediments, 30% limestone (well rounded).									
4.00	5.50	TILL									
		Cochrane till.	4.00	5.50	1.50	NS					
		Beige/ochre, gritty clay									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		matrix; strongly compacted. Occasional volcanic/sedimentary clasts (sub-angular). Clay matrix turns to grey colour at 4.8 m.. 5.1-5.5 m.: granite boulders.									
5.50	5.90	TILL									
		Matheson till.	5.50	5.90	0.40	RX 176250	0.345	<5.000	12.0	<200.	<4.00
		Thin unit over bedrock. Grey, gritty clay with beige, fine- to medium-grained sand. Clasts are mainly volcanics and sediments . Poor return, small sample.									
5.90	7.20	BEDROCK									
		Sediment (siltstone ?).	5.90	6.20	0.30	RX 176251	<0.005	<5.000	<2.0	<50.	<4.00
		Dark grey,fine-grained,	6.20	6.60	0.40	RX 176252	0.011	<5.000	<2.0	119.	220.00
		hard/siliceous, moderately foliated. Texture does not appear intrusive. Minor fracture at 7.1 m., with FeO stain along fracture faces. 7.9 m.: FOOT OF HOLE.TS C90-0252	6.60	7.20	0.60	RX 176253	<0.005	<5.000	<2.0	124.	<4.00

** INCO **
DRILL LOG

BOREHOLE	:85146-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1550.00S	Departure	: 5200.00W	Elevation	: 10000.00m	Hole length	: 8.20m
NTS/Quad	: 42 H/8	Logged by	: C. LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.23/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.23/90	BH bearing	:
Claim #	: 877167	Section	: 5200 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS Organics.	0.00	0.40	0.40	NS					
0.40	5.60	TILL Cochrane till. Beige/ochre, slightly gritty clay matrix. Minor clasts mainly. volcanics/sediments. Matrix changes to grey, gritty clay at 3.0 to 5.6 m..	0.40	5.60	5.20	NS					
5.60	7.30	TILL Matheson till. Beige, fine- to medium-grained sand matrix with minor	5.60	7.30	1.70	RX 176254	0.848	<5.000	12.0	200.	39.00

FROM	TO	DESCRIPTION	FROM	TO	LENGTH	SAMPLE#	AU	AG	AS	ZN	W
m	m		m	m	m		PPM	PPM	PPM	PPM	PPM
		pasty/gritty clay. Matrix is unsorted and is less than 25% of the unit. Clasts are 70% volcanics and sediments, 30% granitoids, with an occasional limestone; numerous cobbles and boulders. Clast supported till. Clay smeared on pebbles.									
		5.8-6.1 m.: granite boulder.									
		6.8-7.2 m.: poor return.									
7.30	8.20	BEDROCK									
		Quartz diabase.	7.30	7.70	0.40	RX 176255	<0.005	<5.000	<2.0	<50.	<4.00
		Black and white plagioclase phenocrysts (anhedral) against dark grey groundmass; siliceous;1-2% very fine-grained, subhedral pyrite.	7.70	8.20	0.50	RX 176256	<0.005	<5.000	<2.0	<50.	<4.00
		Occasional quartz-carbonate stringers.									
		8.2 m.: FOOT OF HOLE.TS C90-0253									

** INCO **
DRILL LOG

BOREHOLE	:85147-0					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1775.00S	Departure	: 5600.00W	Elevation	: 10000.00m	Hole length	: 21.00m
NTS/Quad	: 42 H/8	Logged by	: C. LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.23/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.23/90	BH bearing	:
Claim #	: 877169	Section	: 5600 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS									
		Organics.	0.00	0.40	0.40	NS					
0.40	5.00	TILL									
		Cochrane till.	0.40	5.00	4.60	NS					
		Beige, compact, gritty clay; few small clasts, mainly volcanics/ sediments. Matrix turns to grey at 3.7 to 5.0 m..									
5.00	19.80	TILL									
		Matheson till.	5.00	7.50	2.50	RX 176257	0.053	<5.000	14.0	<200.	<4.00
		Fine- to medium-grained	7.50	9.00	1.50	RX 176258	<0.008	<5.000	11.0	<200.	<4.00
		beige/grey sand and minor grey, pasty	9.00	10.50	1.50	RX 176259	0.221	<6.000	10.0	<200.	16.00

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		/gritty clay matrix. Matrix supported	10.50	12.00	1.50	RX 176260	0.031	<6.000	19.0	<200.	<4.00
		till. Clasts are 40-50%volcanics	12.00	13.50	1.50	RX 176261	0.079	<5.000	14.0	<200.	<4.00
		sediments and 50-60% granitoids;	13.50	15.00	1.50	RX 176262	<0.011	<7.000	19.0	<200.	<4.00
		occasional limestone pebble (well	15.00	16.60	1.60	RX 176263	0.309	<5.000	14.0	<200.	17.00
		rounded) . Clay on clasts; few cobbles.	16.60	18.00	1.40	RX 176264	0.172	<5.000	16.0	240.	110.00
			18.00	19.80	1.80	RX 176265	<0.007	<5.000	17.0	<200.	<4.00
		7.5-10.5 m.: matrix changes to 75% grey, gritty clay; less clasts than above.									
		10.5-11.4 m.: as to 7.5 m..									
		11.4-16.0 m.: increase in cobbles; minor pasty clay above 15.6 m..									
		16.6-17.1 m.: Possible Missinabi Sediments. Grey, smooth, compacted clay. (possible rip-up clast of Ojibway II clay.									
		17.1-19.8 m.: Lower Till (?). Beige/grey fine- to medium-grained sand matrix (<25%). Minor gritty grey clay. Clast supported; clasts are 60-70% volcanics/sediments. Clay on clasts locally. Numerous granite cobbles.									
		19.2-19.3 m.: grey, gritty clay up to 70% of the unit.									
19.80	21.00	BEDROCK									
		Siltstone.	19.80	20.20	0.40	RX 176266	<0.005	<5.000	18.0	146.	<4.00
		Dark grey to grey	20.20	20.60	0.40	RX 176267	<0.005	<5.000	6.0	110.	<4.00
		fine-grained; soft (25% rock flour);	20.60	21.00	0.40	RX 176268	<0.005	<5.000	7.0	<50.	<4.00
		well foliated, slatey cleavage.									
		Kahki/green discolouration (stain) near									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM

bedrock surfaces.

21.0 m: FOOT OF HOLE.TS C90-0254

** INCO **
DRILL LOG

BOREHOLE	:85148-D					PRINT DATE	: 4-OCT-1990 15:46
PROJECT	: Q.S.R.						
Latitude	: 1995.00S	Departure	: 6800.00W	Elevation	: 10000.00m	Hole length	: 13.50m
NTS/Quad	: 42 H 8	Logged by	: C.LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.24/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.24/90	BH bearing	:
Claim #	: 877173	Section	: 6800 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE

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FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS Organics.	0.00	0.40	0.40	NS					
0.40	1.50	TILL Cochrane till? Brown gritty clay matrix with few volcanics/sediments pebble clasts.	0.40	1.50	1.10	NS					
1.50	6.50	SILT Glacial lacustrine sediment;fine grained beige/grey sand and silt.	1.50	6.50	5.00	NS					
6.50	10.00	SAND									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Glacial fluvial sediments;fine,medium,and coarse grained sands (well sorted) coarsening downhole. Pebble bed intersected at 9.0-9.3 m.	6.50	10.00	3.50	NS					
10.00	10.50	BOULDER									
		Feldspar porphyry boulder;85% orthoclase,10% quartz, 5% biotite.	10.00	10.50	0.50	NS					
10.50	12.20	GRAVEL									
		Beige,sorted,medium and coarse sand matrix and occasional fine grained sand matrix.Over all <10% of the unit is matrix. Clasts are mainly granitoids and range from pebbles to cobbles (mainly cobbles) with total absence of clay on clasts.	10.50	12.20	1.70	RX 176269	<0.011	<7.000	9.0	<200.	520.00
12.20	13.50	BEDROCK									
		Siltstone.	12.20	12.40	0.20	RX 176270	N/A	N/A	N/A	N/A	N/A
		Dark grey,fine	12.40	13.00	0.60	RX 176271	N/A	N/A	N/A	N/A	N/A
		grained,moderately soft and weakly sheared with rare pyrite/pyrohtite smeared along slippage planes. TS C90-0505	13.00	13.50	0.50	RX 176272	N/A	N/A	N/A	N/A	N/A

** INCO **
DRILL LOG

BOREHOLE	:85149-0					PRINT DATE	:29-AUG-1990 14:37
PROJECT	: Q.S.R.						
Latitude	: 2040.00S	Departure	: 6400.00W	Elevation	: 10000.00m	Hole length	: 32.00m
NTS/Quad	: 42 H 8	Logged by	: C.LAAMANEN	Assay req.	: AU + 33 others	Level	:
Country	: CANADA	Drilled by	: BRADLEY BROTHERS	Test Method	:	Dip	:
Prov./state	: ONTARIO	Drill type	: NODWELL MOUNTED ACKER	Started	: FEB.24/90	BL azimuth	: 090
Twp/County	: BLAKELOCK	Core size	:	Completed	: FEB.24/90	BH bearing	:
Claim #	: 877174	Section	: 6400 W	Grid name	:	Heading	:

** DEVIATION RECORDS **

depth	azm	dip	depth	azm	dip	depth	azm	dip	depth	azm	dip
0.00	0.00	-90.00									

COMMENTS : **********
LEFT IN HOLE
Hole stopped in overburden due to diffic
ult drilling conditions,
1 bit,1 sub and 2 rods ruined in attempt
to reach bedrock.
****

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
0.00	0.40	HUMUS Organics.	0.00	0.40	0.40	NS					
0.40	6.20	TILL Cochrane till. 0.4 - 4.5 ;little return,(minor brown gritty clay with some silty sand). 4.5 - 6.2 ;grey,gritty(slightly) clay with a few sediment clasts.	0.40	6.20	5.80	NS					

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		Minor silt bed at lower contact of unit,probably top of Ojibway II sediments.									
6.20	7.00	GRAVEL Ojibway II sediments from 6.2 to 12.0 m..	6.20	7.00	0.80	NS					
		Interbedding of glacial fluvial and glacial lacustrine sediments.									
		Gradational contact from Cochrane till.									
		The unit appears till-like,consisting of a beige fine grained matrix with minor grey gritty clay,numerous pebble clasts having clay smeared on them.									
7.00	7.60	CLAY Grey,soft,non gritty(pure) clay.	7.00	7.60	0.60	NS					
7.60	8.00	GRAVEL Sorted clasts,mainly pebble size,no clay on clasts and very minimal matrix.	7.60	8.00	0.40	NS					
8.00	9.00	CLAY Grey,compacted,smooth(pure) clay with minor silt.	8.00	9.00	1.00	NS					
9.00	10.00	SAND Sorted,fine,medium,and coarse grained sand beds occasionally grading into pebble beds.	9.00	10.00	1.00	NS					
10.00	10.30	GRAVEL Clasts with no clay,very little fines.	10.00	10.30	0.30	NS					

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
10.30	11.00	SAND									
		Sorted sand beds.Top bed is fine grained with sands coarsening downhole to pebble beds.	10.30	11.00	0.70	NS					
11.00	12.00	CLAY									
		Grey,soft non gritty clay.	11.00	12.00	1.00	NS					
12.00	28.00	TILL									
		Beige/grey,fine to medium with minor coarse grained sand in matrix (unsorted).	12.00	13.50	1.50	RX 176273	0.097	<6.000	<2.0	<200.	110.00
			13.50	15.20	1.70	RX 176274	0.101	<7.000	20.0	430.	110.00
			15.20	15.50	0.30	NS					
		Clast compostion is generally ;70% granitoids/intrusives,30% volcanics and sediments with occasional limestone clasts.Size is variable with cobbles appearing to make up a higher percentage of the clasts By volume.	15.50	16.30	0.80	RX 176275	0.196	<6.000	19.0	<200.	84.00
			16.30	18.00	1.70	RX 176276	0.604	<5.000	14.0	<200.	70.00
			18.00	19.50	1.50	RX 176277	0.351	<6.000	15.0	<200.	52.00
			19.50	21.00	1.50	RX 176278	0.218	<5.000	15.0	<200.	36.00
			21.00	22.50	1.50	RX 176279	0.058	<6.000	12.0	220.	47.00
			22.50	24.00	1.50	RX 176280	<0.010	<7.000	16.0	430.	72.00
			24.00	25.50	1.50	RX 176281	<0.011	<7.000	16.0	<200.	280.00
			25.50	28.00	2.50	RX 176282	0.216	<8.000	18.0	<200.	49.00
		Clay is present on a large number of the clasts.									
		Details in addition to the above discription are as follows.									
		12.4 - 12.6 m ;gabroic boulder.									
		13.8 m ;limestone cobble.									
		14.0 - 16.3 m ;numereous intermediate to felsic intrusive cobbles.									
		(15.3 - 15.5 m ;feldspar porphyry boulder:85% k-spar,10% quartz and 5% biotite/hornblende.15.3 - 16.3 ;numerous feldspar pophryry cobbles similar to above boulder).									

** INCO **

DRILL LOG

FROM m	TO m	DESCRIPTION	FROM m	TO m	LENGTH m	SAMPLE#	AU PPM	AG PPM	AS PPM	ZN PPM	W PPM
		21.2 - 21.6 m ;minor grey,gritty clay,<20% of the matrix. 23.5 - 25.2 m ;numerous granitoid cobbles to boulders. 25.2 - 18.0 m ;up to 75% grey,gritty clay matrix,locally stongly compacted.Possible gradational contact with Missinaibi sediments below.									
28.00	28.80	CLAY Missinaibi sediments? 28.0 to 32.0 m. Strongly compacted,grey pure(non gritty) clay.	28.00	28.80	0.80	NS					
28.80	30.20	SAND 28.8 - 29.0 m ;very fine grained sand/silt. 29.0 - 30.2 m ;interbedded fine,medium,and coarse grained sands with compacted,grey,non gritty clay seams.	28.80	29.00	0.20	NS					
			29.00	30.20	1.20	NS					
30.20	32.00	CLAY Grey,strongly compacted clay with minor fine sand/silt interbeds. F.O.H. 32.0 m due to difficult drilling problems making it unfeasable to continue.	30.20	32.00	1.80	NS					

APPENDIX B

Gold Grain Summary Sheets

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

inrx1apr.wr1

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
85100									
176001	0	0	0	0	16.1	0	0	0	0
176002	1	1	0	0	15.4	2	2	0	0
176003	0	0	0	0	41.8	0	0	0	0
176004	0	0	0	0	17.5	0	0	0	0
176005	0	0	0	0	21.6	0	0	0	0
176006	0	0	0	0	16.0	0	0	0	0
176007	0	0	0	0	14.4	0	0	0	0
176008	0	0	0	0	10.9	0	0	0	0
176009	1	1	0	0	11.9	22	22	0	0
176010	0	0	0	0	8.5	0	0	0	0
176011	0	0	0	0	14.5	0	0	0	0
176012	0	0	0	0	9.8	0	0	0	0
176017	0	0	0	0	8.8	0	0	0	0
176018	0	0	0	0	9.9	0	0	0	0
176019	0	0	0	0	9.6	0	0	0	0
176023	2	2	0	0	13.0	127	127	0	0
176024	3	1	2	0	19.0	128	99	30	0
176028	0	0	0	0	11.9	0	0	0	0
176029	0	0	0	0	12.1	0	0	0	0
176030	0	0	0	0	8.3	0	0	0	0
176031	6	6	0	0	19.2	1046	1046	0	0
176032	0	0	0	0	11.3	0	0	0	0
176035	4	4	0	0	10.3	405	405	0	0
176036	0	0	0	0	7.1	0	0	0	0
176040	1	1	0	0	7.4	11	11	0	0
176044	0	0	0	0	7.1	0	0	0	0
176045	2	2	0	0	11.6	432	432	0	0
176046	0	0	0	0	7.2	0	0	0	0
176047	4	4	0	0	14.4	103	103	0	0
176048	1	1	0	0	17.7	11	11	0	0
176049	1	1	0	0	13.6	13235	13235	0	0
176050	2	2	0	0	18.7	316	316	0	0
176054	0	0	0	0	14.9	0	0	0	0
176055	1	1	0	0	17.2	170	170	0	0
176056	1	1	0	0	23.0	308	308	0	0
176057	0	0	0	0	24.9	0	0	0	0
176058	1	1	0	0	13.6	14	14	0	0
176062	3	3	0	0	15.7	468	468	0	0
176063	0	0	0	0	11.6	0	0	0	0
176067	3	3	0	0	18.9	640	640	0	0

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

INQS1MAY.WR1

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
85100									
176068	3	3	0	0	21.2	219	219	0	0
176069	0	0	0	0	3.5	0	0	0	0
176073	0	0	0	0	15.4	0	0	0	0
176077	2	0	0	2	14.4	218	0	0	218
176084	2	0	0	2	2.4	401	0	0	401
176088	0	0	0	0	27.5	0	0	0	0
176092	0	0	0	0	13.2	0	0	0	0
176093	1	1	0	0	8.7	244	244	0	0
176094	3	1	0	2	12.6	124	80	0	44
176095	0	0	0	0	8.0	0	0	0	0
176096	1	1	0	0	10.7	60	60	0	0
176097	1	1	0	0	12.7	50	50	0	0
176098	0	0	0	0	10.2	0	0	0	0
176099	2	1	0	1	13.6	56	47	0	9
176103	4	4	0	0	15.0	6205	6205	0	0
176104	2	2	0	0	13.3	336	336	0	0
176105	7	7	0	0	21.2	1474	1474	0	0
176106	0	0	0	0	17.0	0	0	0	0
176110	1	0	1	0	17.1	168	0	168	0
176111	1	1	0	0	17.3	83	83	0	0
176115	0	0	0	0	15.3	0	0	0	0
176116	0	0	0	0	15.4	0	0	0	0
176117	1	1	0	0	11.5	1651	1651	0	0
176118	0	0	0	0	10.8	0	0	0	0
176119	3	3	0	0	9.8	2262	2262	0	0
176120	0	0	0	0	7.2	0	0	0	0
176121	1	1	0	0	9.3	40	40	0	0
176122	0	0	0	0	11.5	0	0	0	0
176123	0	0	0	0	10.2	0	0	0	0
176128	1	1	0	0	14.1	5194	5194	0	0
176129	0	0	0	0	12.7	0	0	0	0
176130	0	0	0	0	11.6	0	0	0	0
176131	0	0	0	0	12.3	0	0	0	0
176132	0	0	0	0	18.2	0	0	0	0
176133	3	3	0	0	16.2	528	528	0	0
176134	3	3	0	0	23.7	122	122	0	0
176136	0	0	0	0	10.6	0	0	0	0
176137	3	3	0	0	15.4	323	323	0	0
176138	0	0	0	0	14.8	0	0	0	0
176139	0	0	0	0	14.8	0	0	0	0

INCO EXPLORATION AND TECHNICAL SERVICES INC.

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

INQS2MAY.WR1

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
85000									
176143	1	1	0	0	12.8	50	50	0	0
144	1	1	0	0	12.3	305	305	0	0
145	1	1	0	0	21.4	9	0	0	0
146	1	1	0	0	16.5	23	23	0	0
147	5	5	0	0	15.3	1007	1007	0	0
148	5	5	0	0	19.2	2059	2059	0	0
152	3	3	0	0	12.1	244	244	0	0
156	1	1	0	0	12.6	15	15	0	0
160	1	1	0	0	14.2	149	149	0	0
164	0	0	0	0	16.6	0	0	0	0
165	0	0	0	0	13.3	0	0	0	0
169	0	0	0	0	14.3	0	0	0	0
170	2	2	0	0	17.6	141	141	0	0
171	0	0	0	0	19.0	0	0	0	0
175	0	0	0	0	14.9	0	0	0	0
176	1	1	0	0	14.1	72	72	0	0
177	0	0	0	0	12.2	0	0	0	0
181	3	3	0	0	15.3	1050	1050	0	0
185	1	0	1	0	14.9	5	0	5	0
189	2	2	0	0	13.5	2543	2543	0	0
190	2	2	0	0	18.3	123	123	0	0
197	4	1	3	0	14.0	266	19	247	0
198	2	1	1	0	13.8	159	6	153	0
199	1	1	0	0	16.2	62	62	0	0
203	4	2	2	0	12.1	1891	1438	453	0
204	3	3	0	0	16.5	509	509	0	0
205	1	1	0	0	16.6	90	90	0	0
206	0	0	0	0	16.7	0	0	0	0
207	1	1	0	0	13.1	15	15	0	0
211	1	1	0	0	18.8	1	1	0	0
212	0	0	0	0	15.4	0	0	0	0
213	0	0	0	0	13.8	0	0	0	0
217	0	0	0	0	14.2	0	0	0	0
221	0	0	0	0	11.6	0	0	0	0
228	0	0	0	0	14.2	0	0	0	0
231	4	4	0	0	14.4	224	224	0	0
232	2	2	0	0	17.6	41	41	0	0
233	1	1	0	0	13.1	15	15	0	0
237	0	0	0	0	9.6	0	0	0	0
241	0	0	0	0	19.3	0	0	0	0

IP EXPLORATION AND TECHNICAL SERVICES INC.

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

INQS3MAY.WR1

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
85100									
176246	0	0	0	0	15.3	0	0	0	0
176250	0	0	0	0	2.9	0	0	0	0
176254	1	0	1	0	17.8	26	0	26	0
176257	0	0	0	0	15.7	0	0	0	0
176258	1	1	0	0	13.6	620	620	0	0
176259	3	0	3	0	13.0	14	0	14	0
176260	0	0	0	0	13.7	0	0	0	0
176261	0	0	0	0	16.2	0	0	0	0
176262	2	2	0	0	11.4	40	40	0	0
176263	1	1	0	0	14.8	195	195	0	0
176264	0	0	0	0	13.6	0	0	0	0
176265	0	0	0	0	15.1	0	0	0	0
176269	0	0	0	0	19.3	0	0	0	0
176273	1	1	0	0	21.3	223	223	0	0
176274	0	0	0	0	9.8	0	0	0	0
176275	1	1	0	0	15.0	25	25	0	0
176276	2	2	0	0	15.8	822	822	0	0
176277	1	1	0	0	12.7	461	461	0	0
176278	0	0	0	0	15.0	0	0	0	0
176279	0	0	0	0	14.7	0	0	0	0
176280	0	0	0	0	11.2	0	0	0	0
176281	0	0	0	0	10.6	0	0	0	0
176282	1	1	0	0	9.3	69	69	0	0

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

inrx1apr.wr1
TOTAL # OF PANNINGS 17

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85100													
176001	N	NO VISIBLE GOLD											
176002	Y	25 X 25	5 C	1						1			
										1	15.4	2	
176003	N	NO VISIBLE GOLD											
176004	N	NO VISIBLE GOLD											
176005	N	NO VISIBLE GOLD											
176006	N	NO VISIBLE GOLD											
176007	N	NO VISIBLE GOLD											
176008	N	NO VISIBLE GOLD											
176009	Y	25 X 50	25 M	1						1			
										1	11.9	22	
176010	N	NO VISIBLE GOLD											
176011	N	NO VISIBLE GOLD											
176012	N	NO VISIBLE GOLD											
176017	N	NO VISIBLE GOLD											
176018	N	NO VISIBLE GOLD											
176019	N	NO VISIBLE GOLD											
176023	Y	50 X 100	15 C	1						1			EST. 4% PYRITE
		75 X 100	18 C	1						1			
										2	13	127	
176024	Y	25 X 75	10 C					1		1			EST. 2% PYRITE
		50 X 75	13 C			1				1			
		75 X 125	25 M	1						1			
										3	19	129	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

inrx1apr.wr1

TOTAL # OF PANNINGS 17

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY FPB	REMARKS
B5100													
176028	N	NO VISIBLE GOLD											
176029	N	NO VISIBLE GOLD											
176030	N	NO VISIBLE GOLD											
176031	Y	75 X 100	18 C	2						2			EST. .05% PYRRHOTITE
		75 X 125	20 C	2						2			
		75 X 125	25 M		1					1			
		175 X 200	50 M	1						1			
										6	19.2	1046	
176032	N	NO VISIBLE GOLD											
176035	Y	25 X 75	25 M	1						1			EST. .01% PYRITE
		25 X 50	8 C		1					1			
		50 X 75	25 M	1						1			
		100 X 150	25 C	1						1			
										4	10.3	405	
176036	N	NO VISIBLE GOLD											
176040	Y	25 X 50	8 C	1						1			
										1	7.4	11	
176044	N	NO VISIBLE GOLD											
176045	Y	25 X 50	25 M	1						1			EST. 0.1% PYRITE
		100 X 125	50 M	1						1			
										2	11.6	432	
176046	N	NO VISIBLE GOLD											
176047	Y	25 X 25	5 C	1						1			EST. 0.5% PYRITE
		25 X 50	8 C	1						1			
		50 X 75	13 C	1						1			
		75 X 100	18 C	1						1			
										4	14.4	103	
176048	Y	50 X 50	19 C	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

inrxlapr.wr1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 17

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85100													
										1	17.7	11	
176049	Y	300 X 500	150 M	1						1			
										1	13.6	13235	
176050	Y	100 X 125	25 M	1						1			EST. 0.5% PYRITE
		125 X 150	25 M	1						1			
										2	18.7	316	
176054	N	NO VISIBLE GOLD											
176055	Y	100 X 150	25 M	1						1			
										1	17.2	170	
176056	Y	100 X 175	50 M	1						1			
										1	23	308	
176057	N	NO VISIBLE GOLD											
176058	Y	25 X 75	10 C	1						1			
										1	13.6	14	
176062	Y	75 X 75	50 M	1						1			EST. 0.2% PYRITE
		75 X 100	50 M	1						1			
		100 X 125	25 M		1					1			
										3	15.7	468	
176063	N	NO VISIBLE GOLD											
176067	Y	25 X 50	8 C	1						1			NO SULFIDES
		75 X 100	25 M	1						1			
		200 X 275	25 M	1						1			
										3	18.9	640	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INQSIMAY.WRI

TOTAL # OF PANNINGS 11

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
B5100													
RX176068	Y	50 X 175	22 C	1						1			EST. 0.1%PRYITE
		75 X 100	18 C		1					1			
		100 X 100	20 C	1						1			
										3	21.2	219	
69	N	NO VISIBLE GOLD											
73	N	NO VISIBLE GOLD											
77	Y	25 X 50	25 M						1	1			EST. 0.1% PYRITE
		75 X 100	50 M					1		1			
										2	14.4	218	
84	Y	25 X 25	5 C						1	1			EST. 0.1% PYRITE
		50 X 50	50 M					1		1			
										2	2.4	401	
88	N	NO VISIBLE GOLD											
92	N	NO VISIBLE GOLD											
93	Y	100 X 125	22 C	1						1			
										1	8.7	244	
94	Y	25 X 50	8 C						1	1			
		25 X 75	25 M					1		1			
		75 X 100	18 C	1						1			
										3	12.6	124	
95	N	NO VISIBLE GOLD											
96	Y	50 X 100	15 C	1						1			
										1	10.7	60	
97	N	50 X 100	15 C	1						1			
										1	12.7	50	
98	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INQSIMAY.WRI

TOTAL # OF PANNINGS 11

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
B5100													
99	Y	50 X 100	15 C	1						1			EST. 0.5% PYRITE
		25 X 25	25 M					1		1			
										2	13.6	56	
103	Y	25 X 25	25 M	1						1			NO SULPHIDES
		50 X 75	13 C	1						1			
		150 X 250	25 M	1						1			
		275 X 275	150 M	1						1			
										4	15	6205	
104	Y	75 X 75	15 C	1						1			EST. 0.1% PYRITE
		125 X 150	27 C	1						1			
										2	13.3	336	
105	Y	50 X 75	13 C		2					2			
		75 X 100	18 C	1						1			
		100 X 175	27 C	1						1			
		125 X 150	50 M	2						2			
		125 X 225	50 M	1						1			
										7	21.2	1474	
106	N	NO VISIBLE GOLD											
110	N	75 X 100	50 M			1				1			
										1	17.1	168	
111	N	50 X 125	25 M	1						1			
										1	17.3	83	
115	N	NO VISIBLE GOLD											
116	N	NO VISIBLE GOLD											
117	N	175 X 275	50 M	1						1			
										1	11.5	1651	
118	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INDS1MAY.WR1
TOTAL # OF PANNINGS 11

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85100													
119	Y	50 X 75	13 C		1					1			
		50 X 100	15 C	1						1			
		200 X 275	50 M	1						1			
										3	9.8	2262	
120	N	NO VISIBLE GOLD											
121	N	50 X 75	13 C	1						1			
										1	9.3	40	
122	N	NO VISIBLE GOLD											
123	N	NO VISIBLE GOLD											
128	N	250 X 375	100 M	1						1			
										1	14.1	5194	
129	N	NO VISIBLE GOLD											
130	N	NO VISIBLE GOLD											
131	N	NO VISIBLE GOLD											
132	N	NO VISIBLE GOLD											EST. 10% PYRITE
133	N	50 X 75	25 M	1	1					2			EST. 4% PYRITE
		100 X 175	50 M	1						1			
										3	16.2	528	
134		50 X 75	13 C		1					1			EST. 6% PYRITE
		75 X 100	18 C	1						1			
		75 X 125	20 C	1						1			
										3	23.7	122	
136	N	NO VISIBLE GOLD											
137	N	50 X 75	13 C		1					1			EST. 0.2% PYRITE
		75 X 75	25 M	1						1			
		125 X 150	25 M	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING.

INQS1MAY.WR1
TOTAL # OF PANNINGS 11

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS: PESHAPED T	PESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85100													
										3	15.4	323	
138	N	NO VISIBLE GOLD											
139	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INOS2MAY.WR1
TOTAL # OF PANNINGS 15

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85000 RX176143	N	50 X 100	15 C	1						1			
										1	12.8	50	
144	N	75 X 125	50 M	1						1			
										1	12.3	305	
145	N	50 X 50	10 C	1						1			
										1	21.4	9	
146	N	50 X 75	13 C	1						1			
										1	16.5	23	
147	Y	50 X 50	10 C	1	1					2			EST. 2% PYRITE
		50 X 75	13 C		1					1			
		100 X 125	50 M	1						1			
		150 X 175	50 M	1						1			
										5	15.3	1007	
148	Y	25 X 50	25 M	1						1			EST. 2% PYRITE
		50 X 75	25 M	1						1			
		75 X 100	18 C	1						1			
		100 X 125	25 M	1						1			
		175 X 325	75 M	1						1			
										5	19.2	2059	
152	Y	25 X 50	8 C	1						1			EST. 0.2% PYRITE
		75 X 100	25 C	1	1					2			
										3	12.1	244	
156	N	50 X 50	10 C	1						1			
										1	12.6	15	
160	Y	100 X 125	22 C	1						1			
										1	14.2	149	

161 NO VISIBLE GOLD

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INQS2MAY.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 15

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
B5000												
165	N	NO VISIBLE GOLD										
169	N	NO VISIBLE GOLD										
170	Y	50 X 100	25 M	1						1		
		75 X 100	25 M	1						1		
										2	17.6	141
171	N	NO VISIBLE GOLD										
175	N	NO VISIBLE GOLD										
176	N	75 X 100	18 C	1						1		
										1	14.1	72
177	N	NO VISIBLE GOLD										
181	Y	50 X 75	13 C		1					1		EST. 2% PYRITE
		150 X 175	31 C	1						1		
		175 X 200	36 C	1						1		
										3	15.3	1050
185	N	25 X 50	8 C				1			1		
										1	14.9	5
189	Y	100 X 150	50 M	1						1		EST. 0.2% PYRITE
		175 X 225	75 M	1						1		
										2	13.5	2543
190	Y	50 X 75	13 C	1						1		EST. 0.7% PYRITE
		75 X 125	25 M	1						1		
										2	18.3	123
197	Y	25 X 50	25 M		1					1		EST. 0.1% PYRITE
		50 X 125	25 M				1			1		
		75 X 100	18 C				2			2		
										4	14	266

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INDS2MAY.WR1

TOTAL # OF PANNINGS 15

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS: RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85000													
198	Y	25 X 50	8 C	1						1			EST. 1% PYRITE
		75 X 75	50 M			1				1			
										2	13.8	159	
199	Y	75 X 100	18 C	1						1			
										1	16.2	62.41748	
203	Y	50 X 50	25 M	1						1			EST. 0.3% PYRITE
		50 X 75	25 M			1				1			
		100 X 125	50 M				1			1			
		200 X 225	50 M	1						1			
										4	12.1	1891	
204	Y	25 X 50	25 M	1						1			EST. 1% PYRITE
		75 X 100	18 C	1						1			
		100 X 125	75 M	1						1			
										3	16.5	509	
205	N	75 X 125	20 C	1						1			
										1	16.6	90	
206	N	NO VISIBLE GOLD											
207	N	50 X 50	10 C	1						1			
										1	13.1	15	
211	N	25 X 25	5 C	1						1			
										1	18.8	1	
212	N	NO VISIBLE GOLD											
213	N	NO VISIBLE GOLD											
217	N	NO VISIBLE GOLD											
221	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INQS2MAY.WR1 NUMBER OF GRAINS

TOTAL # OF PANNINGS 15

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85000													
228	N	NO VISIBLE GOLD											
231	Y	25 X 25	5 C	1						1			EST. 2% PYRITE
		25 X 50	8 C	1						1			
		50 X 50	10 C		1					1			
		100 X 150	25 M	1						1			
										4	14.4	224	
232	Y	25 X 50	8 C	1						1			EST. 0.7% PYRITE
		75 X 75	15 C	1						1			
										2	17.6	41	
233	N	50 X 50	10 C	1						1			
										1	13.1	15	
237	N	NO VISIBLE GOLD											
241	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INQS3MAY.WR1

TOTAL # OF PANNINGS 6

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
B5100													
RX176242	Y	25 X 50	B C	1						1			EST. 0.4% PYRITE
		50 X 75	13 C	1						1			
		75 X 100	18 C	1						1			
										3	17.5	84	
246	N	NO VISIBLE GOLD											
250	N	NO VISIBLE GOLD											
254	Y	25 X 75	25 M				1			1			EST. 10% PYRITE3
										1	17.8	26	
257	N	NO VISIBLE GOLD											
258	Y	100 X 200	50 M	1						1			
										1	13.6	620	
259	Y	25 X 25	5 C			1				1			EST. 0.1% PYRITE
		25 X 50	B C			2				2			
										3	13	14	
260	N	NO VISIBLE GOLD											
261	N	NO VISIBLE GOLD											
262	Y	25 X 50	B C	1						1			
		50 X 75	13 C	1						1			
										2	11.4	40	
263	N	100 X 150	25 C	1						1			EST. 1% PYRITE
										1	14.8	195	
264	N	NO VISIBLE GOLD											
265	N	NO VISIBLE GOLD											
269	N	NO VISIBLE GOLD											
273	N	100 X 125	50 M	1						1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

INQS3MAY.WR1

TOTAL # OF PANNINGS 6

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	NON MAG GMS	CALC V.G. ASSAY PPB	REMARKS
85100													
										1	21.3	223	
274	N	NO VISIBLE GOLD											
275	N	50 X 75	13 C	1						1			
										1	15	25	
276	Y	100 X 100	20 C	1						1			EST. 1% PYRITE
		150 X 200	50 M	1						1			
										2	15.8	822	
277	N	100 X 150	50 M	1						1			
										1	12.7	461	
278	N	NO VISIBLE GOLD											
279	N	NO VISIBLE GOLD											
280	N	NO VISIBLE GOLD											
281	N	NO VISIBLE GOLD											
282	N	75 X 75	15 C	1						1			
										1	9.3	69	

APPENDIX C

Bedrock Chip Assays

Sample description	SN %	SR %	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM
RX 176220	<0.02	0.12	<1	<0.5	<0.5	<4	111	9	18	9	2.5	0.9	<0.5	1.93	0.34
RX 176222	<0.02	<0.05	<1	<0.5	<0.5	9	87	10	17	8	2.6	0.9	<0.5	2.11	0.33
RX 176223	<0.02	<0.05	<1	1.1	<0.5	82	213	10	16	14	2.5	0.9	<0.5	1.81	0.29
RX 176224	<0.02	<0.05	<1	<0.5	<0.5	80	252	10	18	9	2.5	0.8	<0.5	1.98	0.33
RX 176225	<0.02	0.22	<1	2.6	1.7	<4	<50	24	31	19	2.6	0.7	<0.5	0.81	0.12
RX 176226	<0.02	0.13	3	3.1	1.3	<4	<50	26	36	25	3.1	0.9	<0.5	0.59	0.13
RX 176227	<0.02	0.14	<1	3.2	1.7	<4	<50	24	37	20	3.1	0.9	<0.5	<0.09	0.11
RX 176229	<0.03	<0.05	<1	2.6	2.0	250	<50	24	38	18	3.3	1.3	0.6	<0.09	0.11
RX 176230	<0.03	<0.05	<1	2.0	<0.5	390	<50	23	39	32	3.0	0.9	<0.5	0.82	0.13
RX 176234	<0.02	<0.05	<1	2.2	<0.5	<4	227	19	32	19	2.5	0.9	<0.5	0.93	0.16
RX 176235	<0.01	0.17	<1	1.6	<0.5	12	370	17	26	17	2.3	0.7	<0.5	0.80	0.17
RX 176236	<0.01	0.21	<1	1.8	<0.5	<4	290	16	25	16	2.1	0.7	<0.5	0.76	0.11
RX 176238	<0.02	<0.05	<1	3.3	<0.5	<4	<50	30	46	28	4.2	1.1	<0.5	0.82	0.19
RX 176239	<0.02	0.15	<1	2.8	<0.5	<4	<50	31	51	23	4.2	1.3	<0.5	0.88	0.19
RX 176240	<0.02	0.19	<1	2.8	<0.5	<4	<50	29	46	17	3.8	1.1	<0.5	0.96	0.21
RX 176243	<0.01	0.07	<1	0.6	<0.5	<4	142	9	14	8	2.0	0.7	<0.5	1.14	0.20
RX 176244	<0.01	<0.05	<1	1.0	<0.5	<4	139	17	26	13	2.7	0.9	<0.5	1.15	0.19
RX 176245	<0.01	<0.05	<1	0.6	<0.5	<4	112	11	20	12	2.2	0.8	<0.5	0.87	0.19
RX 176247	<0.02	<0.05	<1	<0.5	<0.5	<4	122	3	6	<5	1.3	<0.2	<0.5	1.68	0.33
RX 176248	<0.02	<0.05	<1	1.0	<0.5	47	139	3	7	<5	1.2	0.5	<0.5	1.65	0.37
RX 176249	<0.03	<0.05	<1	<0.5	<0.5	500	<50	5	8	<5	1.7	0.6	<0.5	2.04	0.35
RX 176251	<0.01	<0.05	<1	0.9	<0.5	<4	<50	11	18	8	1.9	0.7	<0.5	0.67	0.14
RX 176252	<0.02	<0.05	<1	1.1	1.7	220	119	13	24	12	2.2	0.6	<0.5	0.97	0.15
RX 176253	<0.01	<0.05	<1	0.9	<0.5	<4	124	11	19	8	1.9	0.6	<0.5	0.81	0.16
RX 176255	<0.01	0.15	<1	2.5	1.6	<4	<50	25	38	19	3.3	0.9	<0.5	0.57	0.09
RX 176256	<0.01	0.16	<1	3.0	1.4	<4	<50	25	40	20	3.5	1.0	<0.5	0.46	0.09
RX 176266	<0.01	<0.05	<1	6.4	1.4	<4	146	39	59	29	4.5	1.2	0.8	1.49	0.20
RX 176267	<0.01	<0.05	2	4.1	1.8	<4	110	27	41	19	3.4	0.9	<0.5	1.07	0.20
RX 176268	<0.02	0.08	2	5.1	1.6	<4	<50	32	46	18	3.9	1.3	1.3	1.23	0.25

APPENDIX D

Overburden HMC Assays

74

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	S %
RX 176001	32	<10	19	<310	<5	<5	80	190	<2	14.0	120	<6	<40	INT	2440	<270	<50	<0.3	63	<20	<0.2
RX 176002	143	<6	36	<200	<5	<3	120	350	<2	20.9	74	<5	<40	<20	1780	<200	<50	<0.2	69	<20	<0.2
RX 176003	3470	<5	21	<200	<5	<2	80	140	3	29.1	43	<5	<40	<20	1170	<200	<50	<0.2	31	<20	<0.2
RX 176004	52	<6	27	<200	<5	<3	140	490	<2	20.9	160	<5	<40	<20	1680	<200	<50	<0.2	91	<20	<0.2
RX 176005	90	<6	19	<200	<5	<3	100	470	<2	20.9	160	<5	<40	<20	2360	<200	<50	<0.2	95	<20	<0.2
RX 176006	71	<6	12	<200	<5	<3	90	460	<2	18.4	170	<5	<40	<20	1520	<200	150	<0.2	87	<20	<0.2
RX 176007	62	<7	21	<200	<5	<3	70	490	<2	19.8	170	<5	<40	<20	1670	<200	<50	<0.2	97	<20	<0.2
RX 176008	<7	<5	17	<200	<5	<3	83	440	<2	18.5	150	<5	<40	<20	1350	<200	<50	<0.2	83	<20	<0.2
RX 176009	152	<7	16	<200	<5	<3	68	520	<2	18.1	200	<5	<40	<20	1450	<200	<50	0.6	87	<20	<0.2
RX 176010	43	<5	20	<200	<5	<4	130	450	<2	19.8	170	<5	<40	<20	1870	<220	<50	<0.3	84	<20	<0.2
RX 176011	60	<7	14	<200	<5	<3	98	470	<2	18.8	110	<5	<40	INT	1320	<200	<50	<0.2	93	<20	<0.2
RX 176012	55	<5	13	<220	<5	<3	210	530	<2	23.2	230	<5	<40	<20	1930	<210	<50	<0.3	98	<20	<0.2
RX 176017	72	<5	<2	<210	<5	<4	58	420	<2	16.3	240	<5	<40	<20	2750	<200	<50	<0.3	81	<20	<0.2
RX 176018	55	<8	16	<210	<5	<4	75	490	<2	19.9	250	<5	<40	<20	1780	<200	<50	<0.3	93	<20	<0.2
RX 176019	61	<8	14	<200	<5	<4	130	420	<2	18.7	170	<5	<40	<20	1840	<200	<50	<0.2	82	<20	<0.2
RX 176023	103	<7	34	<200	<5	<3	220	380	<2	18.3	200	<5	<40	INT	2270	<200	<50	<0.2	68	<20	<0.2
RX 176024	184	<6	21	<200	<5	<3	110	480	<2	20.9	320	<5	<40	<20	4050	<200	<50	1.2	78	<20	<0.2
RX 176028	809	<8	<2	<210	<5	<4	28	510	<2	17.0	170	<5	<40	<20	1380	<200	<50	<0.2	93	<20	<0.2
RX 176029	<11	<8	<2	<210	<5	<4	30	490	9	18.4	110	<5	<40	<20	1310	<200	<50	<0.2	100	<20	<0.2
RX 176030	45	<6	7	<200	<5	<3	23	500	<2	16.8	160	<5	<40	<20	2100	<200	<50	1.3	88	<20	<0.2
RX 176031	926	<6	7	<200	<5	<3	57	430	<2	18.1	150	<5	<40	<20	2350	<200	<50	<0.2	84	<20	<0.2
RX 176032	70	<7	77	<200	<5	<4	230	410	<2	18.8	110	<5	<40	<20	1910	<200	<50	1.6	77	<20	<0.2
RX 176035	586	<8	5	<220	<5	<4	49	450	<2	14.9	190	<5	<40	<20	2100	<200	<50	<0.2	85	<20	<0.2
RX 176036	44	<6	48	500	<5	<6	410	410	<2	19.5	140	<5	<40	<20	2240	<200	<50	<0.2	59	<20	<0.2
RX 176040	42	<5	10	<200	<5	<3	82	370	<2	30.3	170	<5	<40	INT	2360	<200	<50	3.3	35	<20	<0.2
RX 176044	48	<7	<2	<200	<5	<3	35	480	<2	17.5	230	<5	<40	<20	2040	<200	<50	1.0	92	<20	0.3
RX 176045	341	<8	19	<220	<5	<4	72	540	<2	20.5	240	<5	<40	INT	1320	<200	<50	<0.3	100	<20	<0.2
RX 176046	529	<7	18	<200	<5	<3	61	540	<2	18.6	320	<5	<40	<20	1830	<200	<50	<0.2	95	<20	<0.2
RX 176047	148	<7	13	<200	<5	<3	94	480	<2	19.2	180	<5	<40	<20	1440	<200	<50	<0.2	94	<20	<0.2
RX 176048	59	<6	13	<200	<5	<3	86	450	3	18.6	170	<5	<40	<20	1600	<200	<50	<0.2	92	<20	<0.2
RX 176049	5930	<6	23	<200	<5	<3	84	480	<2	18.8	200	<5	<40	<20	1440	<200	<50	<0.2	94	<20	<0.2
RX 176050	216	<5	13	<200	<5	<3	59	420	<2	31.7	130	<5	<40	<20	4020	<200	<50	2.1	42	<20	<0.2
RX 176054	161	<7	22	<200	<5	<3	58	440	<2	19.2	170	<5	<40	<20	1980	<200	<50	<0.2	92	<20	<0.2
RX 176055	319	<7	15	<200	<5	<3	50	440	<2	17.3	160	<5	<40	<20	1660	<200	<50	<0.2	92	<20	<0.2
RX 176056	197	<6	17	<200	<5	<3	36	480	<2	17.7	180	<5	<40	<20	1840	<200	<50	<0.2	85	<20	<0.2

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	S %
RX 176057	107	<5	<2	<200	<5	<3	18	440	<2	15.9	140	<5	<40	INT	1450	<200	<50	<0.2	85	<20	<0.2
RX 176058	82	<7	<2	<200	<5	<4	25	430	<2	23.6	200	<5	<40	<20	2410	<200	<50	<0.2	79	<20	<0.2
RX 176062	244	<7	17	<200	<5	<3	65	470	<2	18.5	220	<5	<40	<20	2130	<200	<50	<0.2	89	<20	<0.2
RX 176063	163	<8	9	820	<5	<4	67	430	<2	20.7	210	<5	<40	<20	1800	920	<50	<0.3	93	<20	<0.2
RX 176067	635	<8	<2	<230	<5	<4	28	570	<2	21.0	290	<5	<40	INT	1990	<200	<50	1.2	110	<20	<0.2
RX 176068	194	<6	<2	<200	<5	<3	31	450	<2	19.6	190	<5	<40	INT	1490	<200	<50	<0.2	86	<20	<0.2
RX 176069	<6	<5	12	<200	<5	<2	100	300	<2	14.6	140	<5	<40	<20	1620	<200	<50	<0.2	66	<20	<0.2
RX 176073	57	<9	<2	<200	<5	<4	50	560	<2	21.9	210	<5	<40	INT	1700	<200	<50	<0.3	110	<20	<0.2
RX 176077	606	<6	29	<270	<5	<5	71	510	<2	21.3	120	<5	<40	INT	1620	<200	<50	<0.3	99	<20	<0.2
RX 176084	<10	<8	35	<200	<5	<3	130	560	<2	22.9	210	<5	<40	<20	2660	<200	<50	1.2	120	<20	<0.2
RX 176088	28	<5	24	<200	<5	<3	62	540	<2	18.8	160	<5	<40	<20	1650	<200	<50	1.0	85	<20	<0.2
RX 176092	<7	<5	5	<200	<5	<3	25	470	<2	16.6	190	<5	<40	<20	1870	<200	<50	<0.2	89	<20	<0.2
RX 176093	215	<6	<2	<200	<5	<3	23	480	<2	16.2	210	<5	<40	INT	2180	<200	<50	<0.2	90	<20	0.4
RX 176094	54	<5	<2	<200	<5	<3	24	490	<2	16.3	230	<5	<40	<20	1860	<200	<50	<0.2	86	<20	<0.2
RX 176095	111	<7	<2	<220	<5	<4	35	510	<2	19.0	240	<5	<40	<20	2600	<210	<50	<0.3	110	<20	<0.2
RX 176096	37	<6	<2	<200	<5	<3	34	530	<2	18.3	230	<5	<40	20	2130	<200	<50	<0.2	93	<20	<0.2
RX 176097	85	<5	9	<200	<5	<2	68	450	<2	17.2	160	<5	<40	<20	2090	<200	<50	<0.2	83	<20	<0.2
RX 176098	<8	<6	23	920	<5	<3	110	470	<2	18.1	190	<5	<40	<20	1670	<200	<50	<0.2	83	<20	<0.2
RX 176099	58	<5	11	<200	<5	<2	89	440	<2	17.2	170	<5	<40	<20	2000	<200	<50	<0.2	82	<20	<0.2
RX 176103	1490	<5	8	<200	<5	<3	33	560	<2	17.3	310	<5	<40	<20	1850	<200	<50	<0.2	92	<20	<0.2
RX 176104	347	<5	<2	<200	<5	<3	47	440	<2	16.3	230	<5	<40	INT	1760	<200	<50	<0.2	82	<20	<0.2
RX 176105	714	<9	14	<260	<5	<5	40	600	<2	22.9	200	<5	<40	<20	2080	<200	<50	<0.3	96	<20	<0.2
RX 176106	620	<5	35	<200	<5	<2	87	340	<2	18.3	98	<5	<40	<20	2010	<200	<50	0.8	77	<20	<0.2
RX 176110	139	<5	11	<200	<5	10	59	370	<2	15.2	170	<5	<40	<20	2060	640	<50	<0.2	70	<20	<0.2
RX 176111	72	<5	13	<200	<5	<2	56	370	<2	14.3	150	<5	<40	<20	1950	<200	<50	0.9	75	<20	<0.2
RX 176115	<5	<6	17	<260	<5	<4	40	400	8	18.4	180	<5	<40	INT	2620	<200	<50	<0.3	72	<20	<0.2
RX 176116	35	<8	13	<230	<5	<4	57	400	<2	17.0	240	<5	<40	<20	2940	<200	<50	<0.2	77	<20	<0.2
RX 176117	1010	<5	10	<200	<5	<3	110	360	<2	16.5	160	<5	<40	<20	2270	<200	<50	1.1	78	<20	<0.2
RX 176118	616	<6	29	<200	<5	9	140	450	<2	22.3	190	<5	<40	<20	2130	<200	<50	<0.2	93	<20	<0.2
RX 176119	2160	<5	18	<200	<5	<3	150	420	<2	22.8	150	<5	<40	<20	2410	<200	<50	<0.2	94	<20	<0.2
RX 176120	<6	<5	12	<200	<5	<2	97	420	<2	18.9	170	<5	<40	<20	1760	<200	<50	<0.2	85	<20	<0.2
RX 176121	85	<5	17	<200	<5	<3	51	540	<2	20.3	240	<5	<40	INT	2000	<200	<50	0.3	98	<20	0.2
RX 176122	254	<6	21	<200	<5	<3	49	550	<2	21.3	220	<5	<40	<20	1810	<200	<50	0.9	95	<20	<0.2
RX 176123	<8	<6	32	<200	<5	<3	90	480	<2	25.6	210	<5	<40	<20	1590	<200	<50	<0.2	98	<20	<0.2
RX 176128	3410	<5	12	<200	<5	<3	63	480	<2	18.6	310	<5	<40	INT	1990	<200	<50	<0.2	88	<20	<0.2

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR %
RX 176129	180	<5	11	<200	<5	<3	69	480	<2	18.1	260	<5	<40	INT	2610	<200	<50	<0.2	88	<20	<0.2
RX 176130	992	<6	14	<200	<5	<3	75	500	<2	19.2	210	<5	<40	<20	2040	<200	<50	<0.2	98	<20	<0.2
RX 176131	123	<6	10	<200	<5	<3	82	490	<2	19.3	260	<5	<40	INT	2400	<200	<50	<0.2	93	<20	<0.2
RX 176132	119	<5	20	590	<5	<2	160	410	<2	22.6	180	<5	<40	<20	1840	<200	<50	<0.2	89	<20	<0.2
RX 176133	60	<5	17	<200	<5	7	120	440	<2	20.1	170	<5	<40	<20	2680	<200	<50	<0.2	84	<20	<0.2
RX 176134	197	<5	20	<200	<5	8	190	290	<2	20.3	100	<5	<40	<20	2510	<200	<50	<0.2	74	<20	<0.2
RX 176136	<10	<7	22	<200	<5	<3	83	630	10	25.3	120	<5	<40	INT	1410	<200	<50	<0.2	110	<20	<0.2
RX 176137	292	<5	23	<200	<5	<3	60	670	<2	21.7	150	<5	<40	<20	1380	<200	<50	<0.2	110	<20	<0.2
RX 176138	55	<6	24	<200	<5	<3	96	470	<2	19.6	120	<5	<40	<20	1550	<200	<50	<0.2	92	<20	<0.2
RX 176139	10	<6	16	<200	<5	<3	100	420	<2	18.0	150	<5	<40	<20	1930	<200	<50	0.2	85	<20	<0.2
RX 176143	84	<6	18	<200	<5	<3	68	500	<2	17.2	180	<5	<40	INT	2310	<200	<50	<0.2	87	<20	0.2
RX 176144	389	<6	9	<200	<5	12	84	400	<2	16.0	180	<5	<40	<20	2430	<200	<50	<0.2	75	<20	<0.2
RX 176145	101	<6	11	<200	<5	<3	78	460	<2	18.8	140	<5	<40	<20	2140	<200	<50	<0.2	83	<20	<0.2
RX 176146	64	<5	15	<200	<5	<2	84	350	<2	15.3	140	<5	<40	<20	1820	<200	<50	<0.2	75	<20	<0.2
RX 176147	357	<5	19	<200	<5	<3	77	390	<2	15.8	150	<5	<40	INT	1890	<200	<50	<0.2	77	<20	<0.2
RX 176148	804	<6	13	<200	<5	<3	120	480	<2	21.2	190	<5	<40	INT	2220	<200	<50	<0.2	89	<20	<0.2
RX 176152	262	<7	15	750	<5	<3	57	450	<2	15.8	180	<5	<40	INT	1570	<200	<50	<0.2	83	<20	<0.2
RX 176156	<9	<6	12	<200	<5	<3	66	410	<2	18.9	210	<5	<40	<20	1520	<200	130	<0.2	77	<20	0.2
RX 176160	31	<5	8	680	<5	<3	120	300	<2	17.1	130	<5	<40	<20	1540	<200	<50	<0.2	63	<20	<0.2
RX 176164	<8	<6	10	<200	<5	<3	50	420	<2	16.1	150	<5	<40	20	1370	<200	<50	<0.2	86	<20	<0.2
RX 176165	<9	<6	12	<200	<5	<3	64	470	<2	17.1	230	<5	<40	<20	1440	<200	<50	<0.2	85	<20	<0.2
RX 176169	15	<6	18	<200	<5	<3	57	430	7	15.8	170	<5	<40	<20	1930	780	<50	<0.2	77	<20	<0.2
RX 176170	159	<5	13	<200	<5	<3	58	400	<2	15.5	140	<5	<40	<20	1650	<200	<50	<0.2	81	<20	<0.2
RX 176171	32	<6	12	<200	<5	<3	55	430	<2	18.3	190	<5	<40	<20	1830	<200	<50	<0.2	93	<20	<0.2
RX 176175	457	<6	13	<200	<5	<3	53	440	<2	17.3	200	<5	<40	<20	2180	<200	<50	<0.2	90	<20	<0.2
RX 176176	<9	<6	13	240	<5	<3	50	470	<2	16.6	190	<5	<40	INT	1550	<200	<50	<0.2	88	<20	<0.2
RX 176177	38	<7	9	<200	<5	<3	96	460	<2	18.2	200	<5	<40	<20	2100	<200	<50	<0.2	93	<20	<0.2
RX 176181	512	<5	11	<200	<5	9	68	340	<2	15.8	150	<5	<40	INT	1480	<200	<50	<0.2	68	<20	<0.2
RX 176185	33	<6	<2	<200	<5	<3	34	440	<2	15.2	110	<5	<40	<20	1380	<200	<50	<0.2	89	<20	<0.2
RX 176189	1410	<6	6	<200	<5	10	35	450	<2	15.7	200	<5	<40	<20	1870	<200	<50	<0.2	82	<20	<0.2
RX 176190	93	<5	9	<200	<5	<2	47	370	<2	14.0	170	<5	<40	<20	1320	<200	<50	0.9	70	<20	<0.2
RX 176197	199	<6	12	<200	<5	<3	51	450	<2	15.2	200	<5	<40	<20	1430	<200	<50	<0.2	78	<20	<0.2
RX 176198	211	<6	14	<200	<5	<3	45	440	<2	15.0	230	<5	<40	<20	2180	<200	<50	<0.2	75	<20	<0.2
RX 176199	248	<5	7	<200	<5	11	83	440	<2	15.6	230	<5	<40	INT	1670	<200	<50	<0.2	76	<20	<0.2
RX 176203	1190	<6	12	<200	<5	<3	57	460	<2	16.5	240	<5	<40	<20	2470	<200	<50	<0.2	80	<20	<0.2

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR %
RX 176204	240	<5	15	<200	<5	<3	110	410	<2	17.1	150	<5	<40	<20	1360	<200	<50	<0.2	77	<20	<0.2
RX 176205	87	<5	16	<200	<5	<3	140	390	<2	19.0	140	<5	<40	INT	1870	<200	<50	<0.2	82	<20	<0.2
RX 176206	112	<5	22	<200	<5	<3	180	380	<2	19.8	160	<5	<40	<20	1680	<200	<50	<0.2	77	<20	<0.2
RX 176207	<9	<6	14	<200	<5	<3	110	430	<2	19.0	160	<5	<40	<20	1490	<200	<50	<0.2	84	<20	<0.2
RX 176211	<11	<7	12	<200	<5	<3	65	480	<2	19.1	220	<5	<40	<20	1930	<200	<50	<0.2	87	<20	<0.2
RX 176212	55	<16	<3	<480	<5	<8	55	460	14	17.6	220	<9	<40	28	2100	<410	<76	<0.6	93	<24	<0.2
RX 176213	<8	<6	5	<200	<5	9	66	390	<2	16.0	180	<5	<40	<20	2150	<200	<50	<0.2	80	<20	<0.2
RX 176217	<9	<6	<2	<200	<5	<3	50	500	<2	16.8	220	<5	<40	<20	2040	<200	<50	<0.2	90	<20	0.2
RX 176221	322	<7	<2	<200	<5	<4	170	460	<2	20.3	250	<5	<40	INT	1510	<200	<50	<0.2	83	<20	<0.2
RX 176228	<9	26	10	<200	<5	<3	76	390	<2	16.3	190	<5	<40	<20	1590	<200	<50	<0.2	78	<20	<0.2
RX 176231	186	<6	8	<200	<5	<3	130	350	<2	16.8	220	<5	<40	INT	1860	<200	<50	<0.2	78	<20	<0.2
RX 176232	59	<5	8	<200	<5	<3	58	420	6	18.1	180	<5	<40	INT	1530	<200	<50	0.8	90	<20	<0.2
RX 176233	<9	<6	11	<200	<5	<3	96	440	<2	17.5	170	<5	<40	INT	1570	<200	<50	1.1	89	<20	<0.2
RX 176237	<10	<7	<2	<210	<5	11	30	640	<2	20.0	280	<5	<40	<20	2500	<200	<50	<0.3	110	<20	<0.2
RX 176241	<10	<6	22	<200	<5	<3	53	440	<2	19.5	130	<5	<40	<20	1620	<200	<50	0.9	88	<20	<0.2
RX 176242	60	<5	8	<200	<5	<2	48	340	<2	16.0	160	<5	<40	INT	1490	<200	<50	<0.2	90	<20	<0.2
RX 176246	65	<5	<2	<200	<5	<3	26	490	<2	16.0	310	<5	<40	<20	1970	650	<50	<0.2	84	<20	<0.2
RX 176250	345	<5	12	<200	<5	<2	47	360	<2	12.6	140	<5	<40	<20	1400	<200	<50	<0.2	77	<20	0.2
RX 176254	848	<5	12	<200	<5	<3	240	250	<2	25.9	130	<5	<40	<20	1550	<200	<50	<0.2	56	<20	<0.2
RX 176257	53	<5	14	<200	<5	<3	51	440	<2	16.0	200	<5	<40	INT	1470	<200	<50	<0.2	83	<20	<0.2
RX 176258	<8	<5	11	<200	<5	<3	47	430	<2	16.5	260	<5	<40	INT	1940	<200	<50	<0.2	81	<20	<0.2
RX 176259	221	<6	10	<200	<5	<3	54	400	<2	16.1	240	<5	<40	INT	1950	<200	<50	<0.2	82	<20	<0.2
RX 176260	31	<6	19	<200	<5	<3	63	450	<2	16.7	260	<5	<40	<20	1900	<200	<50	1.0	82	<20	<0.2
RX 176261	79	<5	14	<200	<5	<3	45	440	<2	17.3	240	<5	<40	INT	2130	<200	<50	<0.2	84	<20	<0.2
RX 176262	<11	<7	19	<210	6	<4	70	390	<2	17.4	160	<5	<40	<20	1960	<200	<50	1.3	77	<20	<0.2
RX 176263	309	<5	14	<200	<5	<3	180	420	<2	22.3	130	<5	<40	<20	2220	<200	<50	<0.2	79	<20	0.2
RX 176264	172	<5	16	<200	<5	<3	110	420	7	19.1	140	<5	<40	<20	2390	<200	<50	<0.2	78	<20	<0.2
RX 176265	<7	<5	17	<200	<5	<3	140	360	<2	16.3	140	<5	<40	<20	1960	<200	<50	<0.2	76	<20	<0.2
RX 176269	<11	<7	9	<200	<5	<3	29	550	<2	20.0	190	<5	<40	<20	2130	<200	<50	<0.2	95	<20	<0.2
RX 176273	97	<6	<2	<200	<5	<3	85	330	<2	17.7	150	<5	<40	<20	2950	<200	<50	<0.2	85	<20	<0.2
RX 176274	101	<7	20	<210	<5	<4	120	500	<2	23.6	180	<5	<40	<20	3120	<200	<50	<0.3	92	<20	<0.2
RX 176275	196	<6	19	<200	<5	<3	84	450	<2	19.1	180	<5	<40	INT	1970	<200	<50	<0.2	90	<20	<0.2
RX 176276	604	<5	14	<200	<5	<3	84	470	<2	19.5	210	<5	<40	<20	1710	<200	<50	<0.2	90	<20	<0.2
RX 176277	351	<6	15	<200	<5	<3	73	480	<2	20.6	180	<5	<40	<20	2080	<200	<50	<0.2	96	<20	<0.2
RX 176278	218	<5	15	<200	<5	<3	63	400	<2	16.3	170	<5	<40	INT	1240	<200	<50	<0.2	73	<20	<0.2

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR %
RX 176279	58	<6	12	<200	<5	<3	78	460	<2	19.3	220	<5	<40	INT	1860	<200	<50	1.1	92	<20	<0.2
RX 176280	<10	<7	16	<200	<5	<4	87	510	<2	19.7	270	<5	<40	INT	1350	<200	<50	<0.2	85	<20	<0.2
RX 176281	<11	<7	16	<200	<5	<3	54	420	<2	18.8	220	<5	<40	INT	1630	<200	<50	<0.2	92	<20	<0.2
RX 176282	216	<8	18	860	<5	<5	64	620	<2	21.2	350	<5	<40	INT	1760	<220	<50	<0.3	100	<20	<0.2

Sample description	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 176001	28	120	19	160	<200	960	1700	730	120	32.0	10	20.2	3.1	16.10
RX 176002	13	160	16	150	320	470	820	360	61	11.9	8	27.0	3.6	15.40
RX 176003	10	72	9.4	21	<200	250	420	220	35	8.2	4	12.1	2.2	41.80
RX 176004	14	120	15	44	<200	320	530	190	37	7.1	5	30.6	4.4	17.50
RX 176005	17	110	13	34	<200	370	590	270	49	10.3	8	32.2	6.7	21.60
RX 176006	11	190	13	28	<200	440	680	250	46	8.1	9	31.4	4.1	16.00
RX 176007	15	190	15	70	<200	510	830	280	53	9.9	9	33.1	5.3	14.40
RX 176008	15	140	15	42	<200	380	660	270	49	9.1	6	31.0	4.6	10.90
RX 176009	22	220	23	49	<200	500	820	290	51	7.0	8	34.1	5.5	11.90
RX 176010	12	190	20	510	<200	430	800	330	59	13.2	8	33.4	4.2	8.500
RX 176011	19	140	15	34	<200	390	670	260	48	9.0	5	34.4	5.1	14.50
RX 176012	19	150	14	95	<200	410	730	300	51	10.8	5	35.2	4.9	9.800
RX 176017	9	110	16	29	260	320	570	220	44	9.9	4	28.9	3.8	8.800
RX 176018	10	150	18	28	<200	370	610	220	40	7.2	4	43.0	5.9	9.900
RX 176019	16	110	12	90	<200	270	470	160	33	7.2	5	36.2	5.2	9.600
RX 176023	12	190	20	270	400	460	780	270	53	9.9	8	30.4	4.7	13.00
RX 176024	21	200	20	87	<200	560	890	430	68	13.0	9	34.3	6.8	19.00
RX 176028	15	220	20	26	<200	540	880	310	61	9.8	5	36.5	4.3	11.90
RX 176029	16	220	14	<4	<200	510	870	310	62	10.3	11	40.7	5.8	12.10
RX 176030	19	200	16	18	<200	450	780	320	58	8.6	10	33.5	5.1	8.300
RX 176031	25	180	17	35	<200	510	840	420	75	13.7	9	31.9	7.0	19.20
RX 176032	12	110	16	130	<200	350	620	220	43	9.6	5	26.6	2.8	11.30
RX 176035	16	140	20	46	<200	430	800	330	58	12.7	9	29.1	3.0	10.30
RX 176036	7	110	12	480	<200	290	610	220	46	9.8	7	20.6	2.1	7.100
RX 176040	7	75	14	200	<200	200	400	160	27	5.8	5	12.4	1.8	7.400
RX 176044	15	160	16	52	<200	480	940	400	71	14.1	9	34.4	3.9	7.100
RX 176045	16	190	17	34	<200	530	960	400	65	12.9	5	39.4	5.6	11.60
RX 176046	19	190	25	34	<200	510	940	370	67	12.5	11	39.4	5.2	7.200
RX 176047	13	150	17	35	<200	370	630	260	43	8.3	8	33.6	4.2	14.40
RX 176048	17	130	14	86	<200	380	650	220	51	10.7	4	33.2	4.8	17.70
RX 176049	17	150	17	62	<200	390	630	220	43	8.4	4	34.2	4.9	13.60
RX 176050	10	65	6.5	35	<200	190	320	120	22	5.2	4	13.3	2.1	18.70
RX 176054	11	200	18	<4	<200	540	930	340	64	12.3	12	34.8	4.1	14.90
RX 176055	8	190	15	120	<200	540	890	340	65	13.4	9	30.6	4.7	17.20
RX 176056	23	180	23	<4	<200	590	1000	500	87	17.7	10	34.4	5.2	23.00

Sample description	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 176057	15	150	20	15	<200	540	920	460	81	16.7	7	33.1	6.4	24.90
RX 176058	15	160	22	110	<200	490	890	360	64	15.0	9	29.9	3.1	13.60
RX 176062	16	190	17	66	<200	530	880	330	59	11.7	5	32.6	4.9	15.70
RX 176063	20	160	25	<4	<200	540	1000	390	75	16.9	5	33.6	4.8	11.60
RX 176067	26	230	36	<4	<200	660	1000	390	80	15.6	13	45.0	8.7	18.90
RX 176068	36	240	21	27	<200	620	990	440	75	12.2	9	34.9	7.6	21.20
RX 176069	12	130	14	50	<200	370	620	250	47	9.5	8	19.5	3.9	3.500
RX 176073	32	210	32	27	<200	600	1000	460	83	16.2	9	43.7	8.7	15.40
RX 176077	29	280	33	66	<200	750	1300	590	110	20.7	12	38.8	7.6	14.40
RX 176084	23	180	23	100	1200	540	830	360	65	14.9	13	34.2	6.9	2.400
RX 176088	15	170	24	<4	<200	450	650	290	46	7.3	8	27.6	5.6	27.50
RX 176092	12	190	15	14	<200	510	840	330	63	11.2	5	31.6	3.9	13.20
RX 176093	23	190	22	16	<200	520	920	390	65	10.9	8	33.6	4.5	8.700
RX 176094	18	200	23	<4	<200	510	840	340	59	10.4	8	35.4	5.3	12.60
RX 176095	21	230	20	72	<200	640	1100	520	85	16.7	10	39.7	6.3	8.000
RX 176096	15	210	22	29	<200	550	910	380	66	10.8	8	33.4	5.4	10.70
RX 176097	10	120	13	43	<200	350	610	260	46	9.2	6	29.5	4.5	12.70
RX 176098	13	140	17	86	<200	460	800	350	62	13.1	7	29.3	4.5	10.20
RX 176099	8	120	13	77	<200	330	560	240	42	8.6	5	30.0	4.4	13.60
RX 176103	13	190	23	<4	<200	510	800	290	54	9.7	4	31.7	5.1	15.00
RX 176104	16	190	16	14	<200	500	840	310	58	9.6	8	31.0	5.3	13.30
RX 176105	29	320	28	21	410	760	1200	490	76	13.5	9	41.4	8.2	21.20
RX 176106	9	140	11	160	<200	350	570	230	42	7.2	7	24.9	3.4	17.00
RX 176110	15	150	17	72	260	380	610	250	45	8.0	4	24.2	3.7	17.10
RX 176111	14	120	14	29	<200	360	630	260	48	10.0	7	24.2	3.7	17.30
RX 176115	30	220	35	56	<200	810	1500	940	170	45.1	14	35.0	6.7	15.30
RX 176116	25	180	28	16	<200	550	950	470	87	18.6	13	35.4	6.6	15.40
RX 176117	11	100	14	23	200	320	570	250	47	10.6	4	23.9	3.7	11.50
RX 176118	11	120	13	<4	580	370	650	260	48	9.7	5	31.9	5.3	10.80
RX 176119	2	120	13	<4	250	430	790	330	60	11.7	8	31.1	4.4	9.800
RX 176120	10	120	14	120	<200	350	650	280	50	9.2	6	31.3	4.7	7.200
RX 176121	15	160	15	28	<200	460	790	300	56	9.2	7	33.8	4.5	9.300
RX 176122	10	150	20	38	<200	440	750	360	53	10.1	7	31.7	4.9	11.50
RX 176123	11	150	13	22	<200	420	760	280	54	10.9	6	34.5	5.3	10.20
RX 176128	19	190	25	29	<200	500	800	350	55	10.2	6	32.0	4.8	14.10

Sample description	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 176129	12	160	15	62	<200	470	810	350	58	12.1	8	33.7	5.5	12.70
RX 176130	20	150	19	74	<200	500	930	420	70	14.9	7	33.2	5.1	11.60
RX 176131	21	160	18	85	<200	470	820	360	62	11.9	10	35.3	5.5	12.30
RX 176132	15	130	12	36	270	360	590	210	41	7.9	7	26.5	4.1	18.20
RX 176133	13	120	13	220	300	370	660	290	51	10.0	7	26.1	4.3	16.20
RX 176134	9	82	8.2	90	250	240	380	150	29	5.6	6	17.6	3.7	23.70
RX 176136	20	270	27	95	<200	650	1000	440	71	9.7	5	36.3	5.7	10.60
RX 176137	10	230	21	33	<200	520	810	280	52	7.3	8	34.0	4.2	15.40
RX 176138	33	200	16	68	<200	460	720	250	49	7.8	9	31.3	3.5	14.80
RX 176139	16	170	16	150	<200	420	710	260	47	8.2	7	28.8	4.1	14.80
RX 176143	10	160	18	160	270	440	740	260	51	10.2	5	32.8	3.7	12.80
RX 176144	8	120	14	64	<200	320	530	220	41	9.2	6	26.2	2.9	12.30
RX 176145	13	120	14	45	200	390	640	330	52	10.1	7	30.1	6.3	21.40
RX 176146	12	100	10	82	200	290	480	160	32	6.9	4	23.7	3.6	16.50
RX 176147	9	120	14	24	260	310	540	210	36	6.9	4	25.8	3.1	15.30
RX 176148	15	140	17	88	450	420	700	350	56	11.4	8	34.3	6.5	19.20
RX 176152	21	190	23	290	<200	430	730	290	51	8.8	11	31.9	3.8	12.10
RX 176156	22	190	18	79	260	440	720	230	46	7.1	4	29.1	4.3	12.60
RX 176160	11	120	15	210	<200	320	540	180	39	7.0	8	22.2	3.5	14.20
RX 176164	12	180	14	<4	<200	450	700	260	47	8.6	3	28.9	4.5	16.60
RX 176165	17	210	21	<4	<200	490	840	310	53	8.5	4	33.7	4.2	13.30
RX 176169	15	190	18	<4	<200	430	690	250	45	7.3	5	28.8	4.1	14.30
RX 176170	22	150	9.6	19	<200	400	610	210	44	8.5	7	27.1	4.1	17.60
RX 176171	<2	170	19	16	<200	520	870	410	71	14.6	9	35.2	7.5	19.00
RX 176175	26	190	17	<4	<200	470	760	260	50	9.1	9	33.8	4.6	14.90
RX 176176	14	180	17	28	<200	470	780	270	52	9.5	12	32.0	4.7	14.10
RX 176177	17	190	15	31	<200	490	840	360	59	11.2	9	36.7	5.1	12.20
RX 176181	15	140	16	180	<200	360	570	210	39	7.6	7	24.5	2.9	15.30
RX 176185	16	140	17	71	<200	360	600	250	44	7.9	7	27.4	3.7	14.90
RX 176189	11	160	16	69	<200	380	650	240	41	7.6	6	27.5	3.5	13.50
RX 176190	16	160	17	16	<200	380	590	180	38	6.9	7	24.4	3.2	18.30
RX 176197	14	190	20	50	<200	420	650	200	44	7.8	8	28.0	4.4	14.00
RX 176198	15	180	20	17	<200	410	680	230	45	8.1	6	29.1	4.5	13.80
RX 176199	17	170	21	63	<200	420	670	240	47	9.0	10	30.9	3.7	16.20
RX 176203	17	170	17	50	<200	420	720	260	48	8.6	5	31.7	4.9	12.10

Sample description	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 176204	15	120	14	230	440	300	490	170	34	6.2	6	27.5	4.1	16.50
RX 176205	9	120	11	48	<200	310	500	170	34	6.7	5	26.2	3.1	16.60
RX 176206	9	120	12	34	<200	320	530	160	34	7.2	4	25.8	3.8	16.70
RX 176207	15	130	11	18	<200	360	630	260	43	8.4	7	28.5	3.2	13.10
RX 176211	20	260	27	28	<200	760	1200	550	90	16.3	5	35.3	7.3	18.80
RX 176212	22	760	34	49	<200	1600	2200	670	110	15.2	3	34.8	5.2	15.40
RX 176213	16	140	11	58	<200	390	670	280	49	9.7	8	28.8	3.6	13.80
RX 176217	16	180	17	260	<200	440	710	240	47	9.2	8	31.6	3.7	14.20
RX 176221	19	200	25	360	<200	480	780	290	53	9.5	5	30.8	3.8	11.00
RX 176228	13	160	19	110	<200	460	780	380	63	14.6	9	28.6	4.5	14.20
RX 176231	12	150	22	460	<200	600	1100	590	93	24.8	12	31.5	4.6	14.40
RX 176232	20	200	20	43	260	510	850	340	58	9.4	8	31.9	4.2	17.60
RX 176233	17	230	21	64	<200	590	960	420	71	12.9	4	32.8	4.5	13.10
RX 176237	19	230	22	30	<200	620	1000	410	70	13.5	4	40.0	6.3	9.600
RX 176241	19	180	18	28	<200	520	830	430	69	13.8	8	35.2	7.1	19.30
RX 176242	16	150	14	150	<200	410	730	290	52	10.4	7	26.4	4.3	17.50
RX 176246	19	210	18	31	<200	550	910	360	60	10.7	8	32.3	5.1	15.30
RX 176250	11	110	15	<4	<200	330	540	230	44	10.1	7	19.1	3.8	2.900
RX 176254	10	92	13	39	200	310	520	230	40	9.1	6	19.1	3.1	17.80
RX 176257	11	170	22	<4	<200	470	770	290	55	10.3	7	32.5	4.9	15.70
RX 176258	15	200	24	<4	<200	540	890	360	60	10.4	7	33.8	5.1	13.60
RX 176259	15	190	22	16	<200	500	830	320	59	10.8	6	31.4	4.9	13.00
RX 176260	21	210	22	<4	<200	580	1000	390	70	12.6	8	30.7	4.6	13.70
RX 176261	19	200	24	<4	<200	540	910	400	65	13.0	5	34.1	5.1	16.20
RX 176262	21	420	26	<4	<200	900	1400	500	85	10.6	10	31.2	4.8	11.40
RX 176263	12	130	14	17	<200	380	650	270	48	9.2	6	27.5	4.2	14.80
RX 176264	12	150	13	110	240	410	700	280	49	9.1	7	27.9	4.5	13.60
RX 176265	12	160	17	<4	<200	460	790	330	57	11.7	8	27.2	4.3	15.10
RX 176269	12	230	23	520	<200	610	940	380	69	10.4	10	33.8	6.9	19.30
RX 176273	19	160	25	110	<200	580	940	380	75	13.4	9	30.7	6.2	21.30
RX 176274	16	270	23	110	430	660	1100	450	71	10.6	8	33.4	4.9	9.800
RX 176275	19	250	19	84	<200	590	990	410	74	11.6	9	33.4	5.0	15.00
RX 176276	19	220	19	70	<200	580	940	380	67	11.9	8	35.2	5.4	15.80
RX 176277	14	240	19	52	<200	620	1000	390	72	12.4	7	35.5	5.4	12.70
RX 176278	13	180	15	36	<200	460	800	360	55	9.6	9	31.2	4.5	15.00

Sample description	TA PPM	TH PPM	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX 176279	19	230	24.	47	220	590	990	370	68	12.2	9	37.2	5.6	14.70
RX 176280	25	300	25	72	430	790	1300	460	79	11.4	9	34.4	5.3	11.20
RX 176281	26	270	23	280	<200	660	1100	470	76	12.2	11	35.9	5.8	10.60
RX 176282	23	370	34	49	<200	880	1500	600	93	13.3	10	45.0	7.5	9.300

M.L.

Ministry of Northern Development and Mines

Ontario

DOCUMENT No. W9003.00749

42H09SE0002 2.13778 HOBLITZELL

900

Report of Work
Mining Act (Expenditures, Subsection 77(19))

Type of Work Performed	Mining Division	Township or Area
Reverse Circulation Drilling	Larder Lake	Noseworthy, Hurtubise, Blakelock, Hoblitzell

Recorded Holder	Prospector's Licence No.
Inco LImited 2.13778	A 19231
Address	**Telephone No.**
c/o Inco Exploration and Technical Services, Hwy. 17 W, Copper Cliff, Ontario POM 1NO	(705) 682-8439
Work Performed By	
Inco Exploration/Bradley Bros.	
Name and Address of Author (of Submission)	**Date When Work was Performed** From: 01 02 90 To: 24 02 90 (Day / Mo. / Yr.)
K.K. Hannila c/o Inco Expl. & Tech. Services, Inc. Copper Cliff, Ontario POM 1NO	

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side

Work previously reported on Oct. 30, 1990 (W9008.00644).

Utilize credits from L872004 through L877169. The excess credits (1957 days) should remain on L877169 through L968389 for future use.

Instructions
Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits: Total Expenditures $ ÷ 15 = Total Days Credits (see W9008.00644 attached)

Total Number of Mining Claims Covered by this Report of Work: 120

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	See Schedule 'A'										

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MINING LANDS SECTION

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
10,416	4859 W9008.00644 3600 W9008.00749	1957

Certification of Beneficial Interest *See Note No. 2 on reverse side

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

Date: December 7, 1990 — Recorded Holder or Agent (Signature): I. McCaskill

Certification Verifying Report of Work

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

Name and Address of Person Certifying: Ian McCaskill c/o Inco Expl. & Tech. Serv. Inc., Hwy. 17 West

Copper Cliff, Ontario POM 1NO	Telephone No. (705) 682-8439	Date Dec. 7, 1990	Certified By (Signature) I. McCaskill

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
3600	Dec 13/90	J. Bettinger
	Date Approved as Recorded	**Provincial Manager, Mining Lands**
	Feb 25, 1991	Ian McCaskill

Received Stamp: RECEIVED LARDER LAKE MINING DIVISION DEC 13 1990 TIME 10.29 am

378 (89/06)

SCHEDULE "A" W9008.00644.

Work Performed on Mining Claims

Mining Claims	No. of Days	Mining Claims	No. of Days	Mining Claims	No. of Days
L 836619	161	L 871930	278	L 872268	381
L 836620	498	L 871975	88	L 872270	83
L 836621	112	L 871999	205	L 877122	381
L 836623	498	L 872001	54	L 877123	112
L 836637	683	L 872002	24	L 877167	132
L 848108	151	L 872003	54	L 877169	342
L 848110	78	L 872004	98	L 877173	220
L 848111	49	L 872009	268	L 877174	512
L 848115	351	L 872010	190	L 877178	73
L 871904	342	L 872011	288	L 877179	117
L 871906	229	L 872030	644	L 968384	264
L 871907	122	L 872255	273	L 968386	268
L 871924	171	L 872260	268	L 968387	278
L 871925	615	L 872264	361	L 968389	100

W9008 00749 (L 872004 – L 872264)

W9008 00749 (L 872268 – L 877169)

remaining for future use.

Apply credits from L 836619 through L 872004 as indicated on Schedule "B" (4859 days). The remaining credits (5557 days) should remain on L 872009 through L 968389 for future use.

~~872007~~

[signature]

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LARDER LAKE
MINING DIVISION
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TIME 8.55am

of assessment

ecify the claim(s) that

Schedule 'A'

Distribution of Credits

Claim No.	Expend. Days Cr.	Claim No.	Expend. Days Cr.	Claim No.	Expend. Days Cr.	Claim No.	Expend. Days Cr.
L 834493	20	L 836604	20	L 836634	20	L 878463	60
L 834494	20	L 836605	20	L 836635	20	L 878464	60
L 834499	20	L 836606	20	L 836636	20	L 1031198	40
L 834500	20	L 836607	20	L 836637	20	L 1031199	40
L 834501	20	L 836608	20	L 836638	20	L 1031200	40
L 834502	20	L 836609	20	L 836639	20	L 1031201	40
L 834503	20	L 836610	20	L 836640	20	L 1031204	40
L 834504	20	L 836611	20	L 836641	20	L 1031205	40
L 834505	20	L 836612	20	L 836642	20	L 1031206	40
L 834506	20	L 836613	20	L 836643	20	L 1031207	40
L 834507	20	L 836614	20	L 836644	20	L 1031209	40
L 834508	20	L 836615	20	L 836645	20	L 1031210	40
L 834509	20	L 836616	20	L 836646	20	L 1031211	40
L 834510	20	L 836617	20	L 836647	20	L 1031212	40
L 834511	20	L 836618	20	L 836648	20	L 1031213	40
L 834512	20	L 836619	20	L 836649	20	L 1031214	40
L 834513	20	L 836620	20	L 876363	60	L 1031969	40
L 834514	20	L 836621	20	L 876364	60	L 1031970	40
L 834515	20	L 836622	20	L 876365	60	L 1031971	40
L 834516	20	L 836623	20	L 876366	60	L 1031972	40
L 834517	20	L 836624	20	L 876367	60	L 1031975	40
L 834518	20	L 836625	20	L 876368	60	L 1031976	40
L 834519	20	L 836626	20	L 876369	60	L 1031977	40
L 834520	20	L 836627	20	L 876370	60	L 1031978	40
L 834521	20	L 836628	20	L 876371	60	L 1031981	40
L 834522	20	L 836629	20	L 876372	60	L 1031982	40
L 834600	20	L 836630	20	L 876373	60	L 1031983	40
L 836601	20	L 836631	20	L 876374	60	L 1031984	40
L 836602	20	L 836632	20	L 878461	60	L 1031987	40
L 836603	20	L 836633	20	L 878462	60	L 1032002	40

Total Claims = 120
Total Credits Claimed = 3,600 days

IM:cb
Dec. 7/90

ML

2.13778 ~~DEC. 9~~ JAN 7

Ministry of Northern Development and Mines

Ontario

DOCUMENT No. W9008.00644

Instructions
- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Mining Act

Report of Work
(Expenditures, Subsection 77(19))

Type of Work Performed	Mining Division	Township or Area
Reverse Circulation Drilling	Larder Lake	Blakelock & Hoblitzell

Recorded Holder: Inco Limited

Prospector's Licence No.: A 19231

Address: c/o Inco Exploration and Technical Services, Inc. Copper CLiff, Ont. POM 1NO

Telephone No.: (705) 682-8439

Work Performed By: Inco Exploration & Technical Services, Inc./Bradley Bros. Ltd.

Name and Address of Author (of Submission): Kalevi Hannila c/o Inco Exploration and Technical Services, Inc. Copper Cliff, Ontario POM 1NO

Date When Work was Performed: From: 01 02 90 (Day, Mo., Yr.) To: 24 02 90 (Day, Mo., Yr.)

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
See separate list (Schedule "A")							

Instructions
Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits

Total Expenditures $ 156,251.75 ÷ 15 = Total Days Credits 10,416

Total Number of Mining Claims Covered by this Report of Work: 110

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
See Schedule "B"											

RECEIVED
DEC 03 1990
MINING LANDS SECTION

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days to be Claimed at a Future Date
10,416	4859	5557

Certification of Beneficial Interest *See Note No. 2 on reverse side

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

Date: October 30, 1990

Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Address of Person Certifying: Ian McCaskill c/o Inco Exploration and Technical Services, Inc. Copper Cliff, Ontario POM 1NO

Telephone No.: (705) 682-8439

Date: October 30, 1990

Certified by (Signature): [signature]

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
4859	Nov 2/90	[signature]
	Date Approved as Recorded	Provincial Manager, Mining Lands
	Feb 25, 1991	[signature]

Received Stamp

RECEIVED
LARDER LAKE
MINING DIVISION
NOV 2 1990
TIME 8:55am

DM

SCHEDULE "A"

Work Performed on Mining Claims

Mining Claims	No. of Days	Mining Claims	No. of Days	Mining Claims	No. of Days
L 836619	161	L 871930	278	L 872268	381
L 836620	498	L 871975	88	L 872270	83
L 836621	112	L 871999	205	L 877122	381
L 836623	498	L 872001	54	L 877123	112
L 836637	683	L 872002	24	L 877167	132
L 848108	151	L 872003	54	L 877169	342
L 848110	78	L 872004	98	L 877173	220
L 848111	49	L 872009	268	L 877174	512
L 848115	351	L 872010	190	L 877178	73
L 871904	342	L 872011	288	L 877179	117
L 871906	229	L 872030	644	L 968384	264
L 871907	122	L 872255	273	L 968386	268
L 871924	171	L 872260	268	L 968387	278
L 871925	615	L 872264	361	L 968389	100

Apply credits from L 836619 through L 872004 as indicated on Schedule "B" (4859 days). The remaining credits (5557 days) should remain on L 872009 through L 968389 for future use.

nts, memorandum

dicate the number of assessme

guous claims, specify the claim(s) that

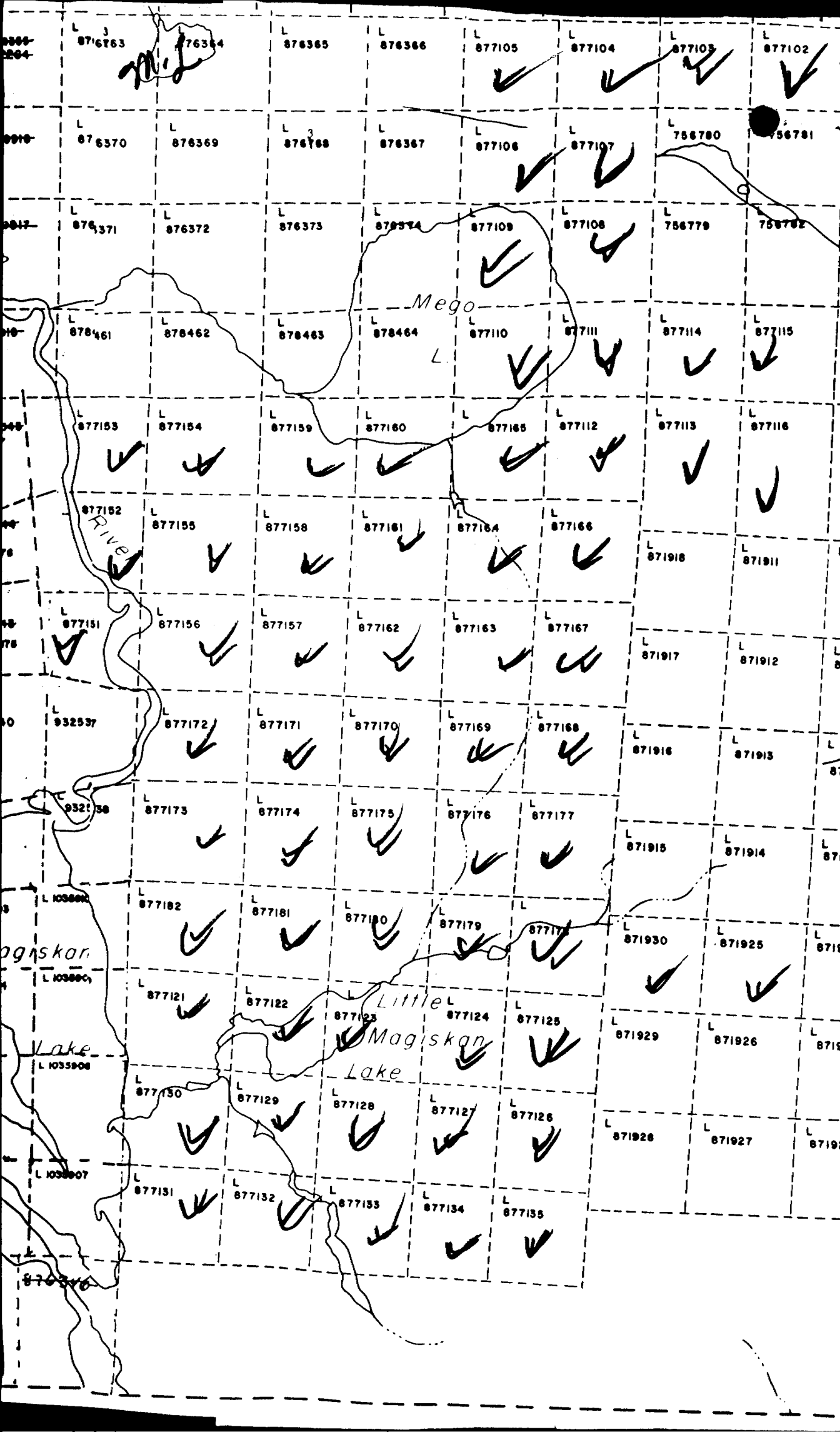
SCHEDULE "B"

Distribution of Credits

Claim No.	Expend Days Cr.	Claim No.	Expend Days Cr.	Claim No.	Expend Days Cr.	Claim No.	Expend Days Cr.
L 871799	14	L 872017	20	L 877114	60	L 877156	60
L 871975	20	L 872018	20	L 877115	60	L 877157	60
L 871976	20	L 872019	20	L 877116	60	L 877158	60
L 871977	17	L 872020	20	L 877117	60	L 877159	60
L 871978	17	L 872021	20	L 877118	60	L 877160	60
L 871979	17	L 872022	20	L 877119	60	L 877161	60
L 871980	17	L 872023	20	L 877120	60	L 877162	60
L 871996	17	L 872024	20	L 877121	60	L 877163	60
L 871997	20	L 872025	20	L 877122	60	L 877164	60
L 871998	20	L 872026	20	L 877123	60	L 877165	60
L 871999	20	L 872027	20	L 877124	60	L 877166	60
L 872000	20	L 872028	20	L 877125	60	L 877167	60
L 872001	20	L 872029	20	L 877126	60	L 877168	60
L 872002	20	L 872030	20	L 877127	60	L 877169	60
L 872003	20	L 872031	20	L 877128	60	L 877170	60
L 872004	20	L 877101	60	L 877129	60	L 877171	60
L 872005	20	L 877102	60	L 877130	60	L 877172	60
L 872006	20	L 877103	60	L 877131	60	L 877173	60
L 872007	20	L 877104	60	L 877132	60	L 877174	60
L 872008	20	L 877105	60	L 877133	60	L 877175	60
L 872009	20	L 877106	60	L 877134	60	L 877176	60
L 872010	20	L 877107	60	L 877135	60	L 877177	60
L 872011	20	L 877108	60	L 877151	60	L 877178	60
L 872012	20	L 877109	60	L 877152	60	L 877179	60
L 872013	20	L 877110	60	L 877153	60	L 877180	60
L 872014	20	L 877111	60	L 877154	60	L 877181	60
L 872015	20	L 877112	60	L 877155	60	L 877182	60
L 872016	20	L 877113	60				

Total Claims = 110

Total Credits Claimed = 4859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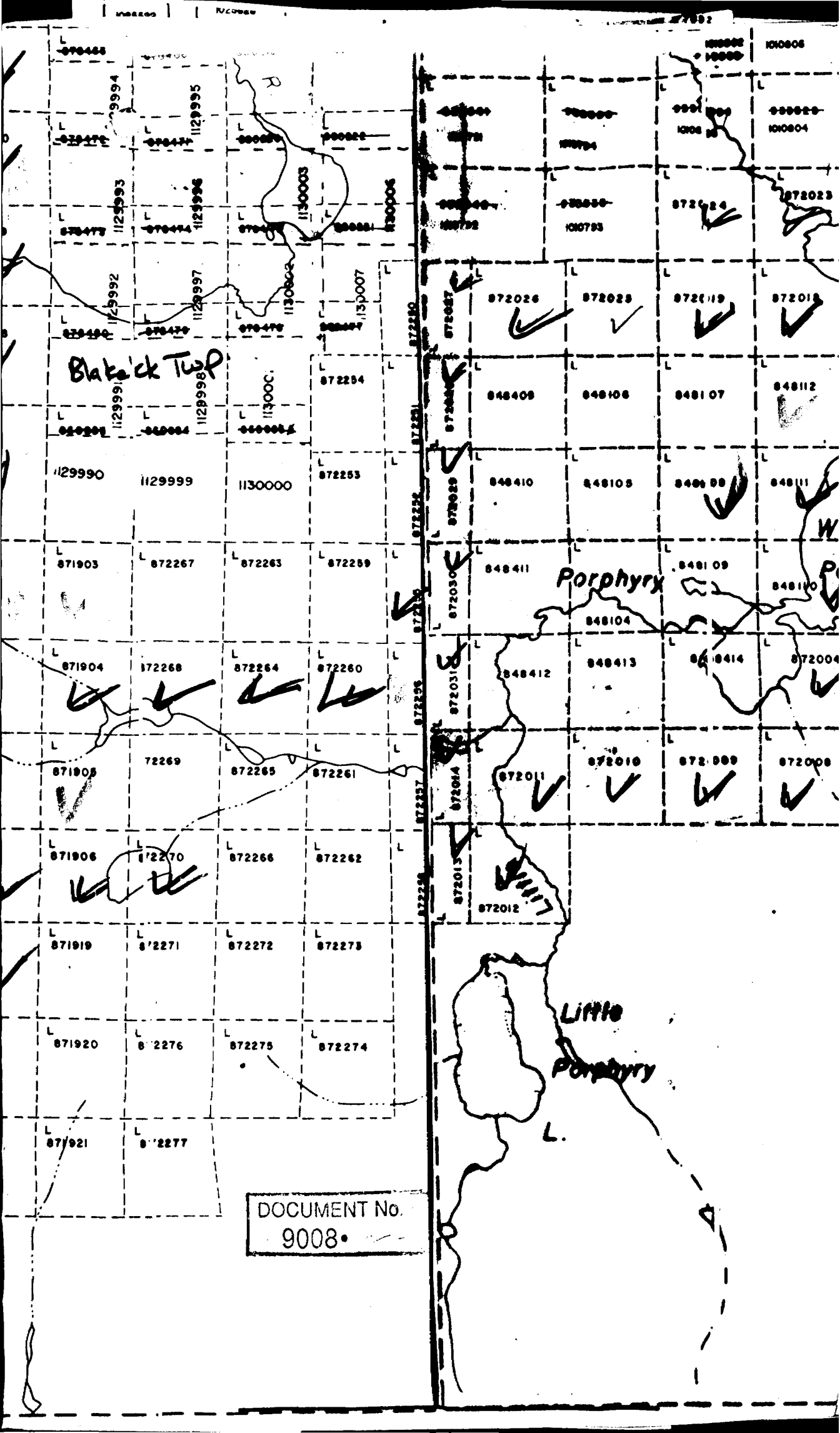
Magiskan
Lake
Lake
River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Porphyry
Little
Porphyry
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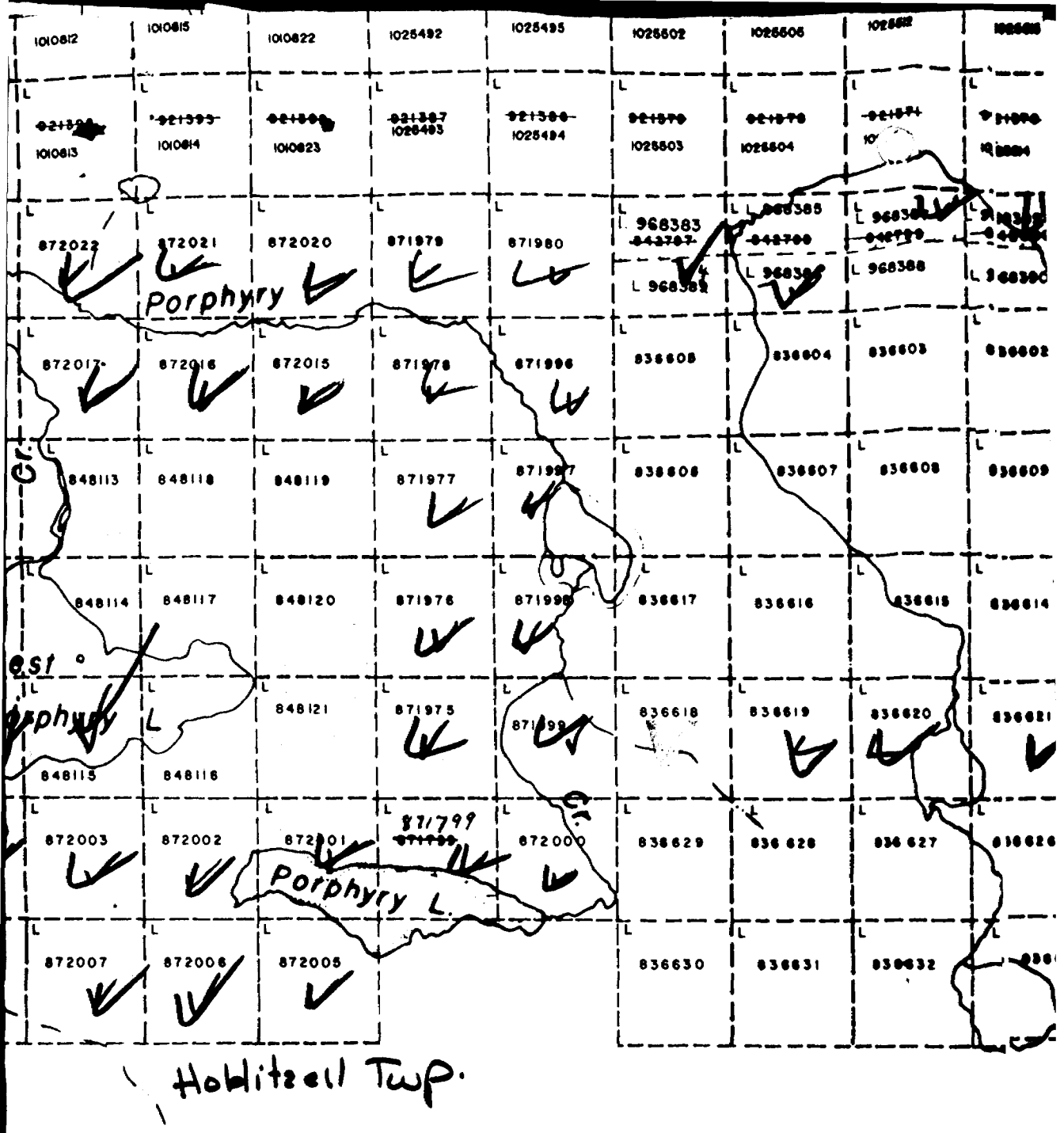
DOCUMENT No.
9008



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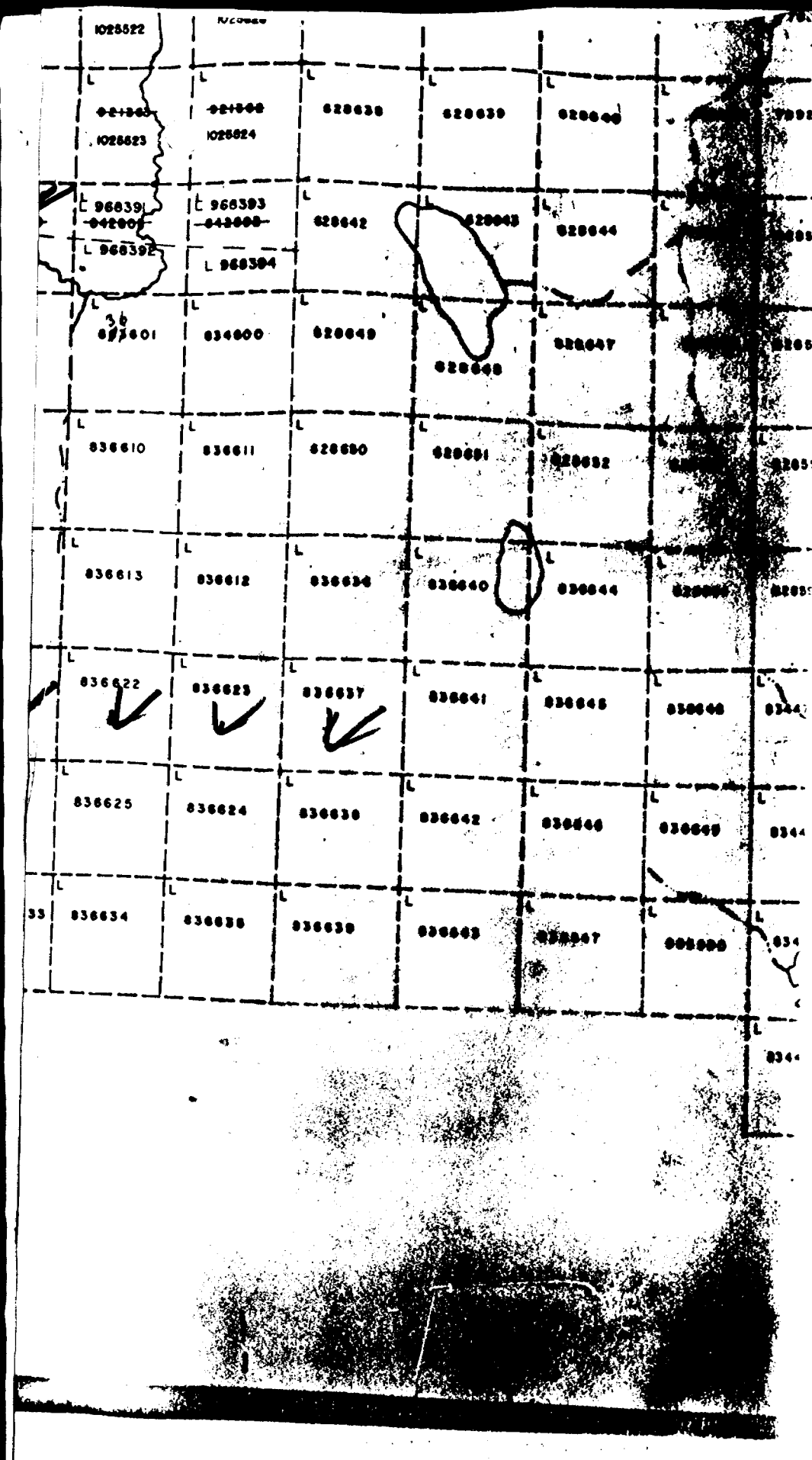
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Mega

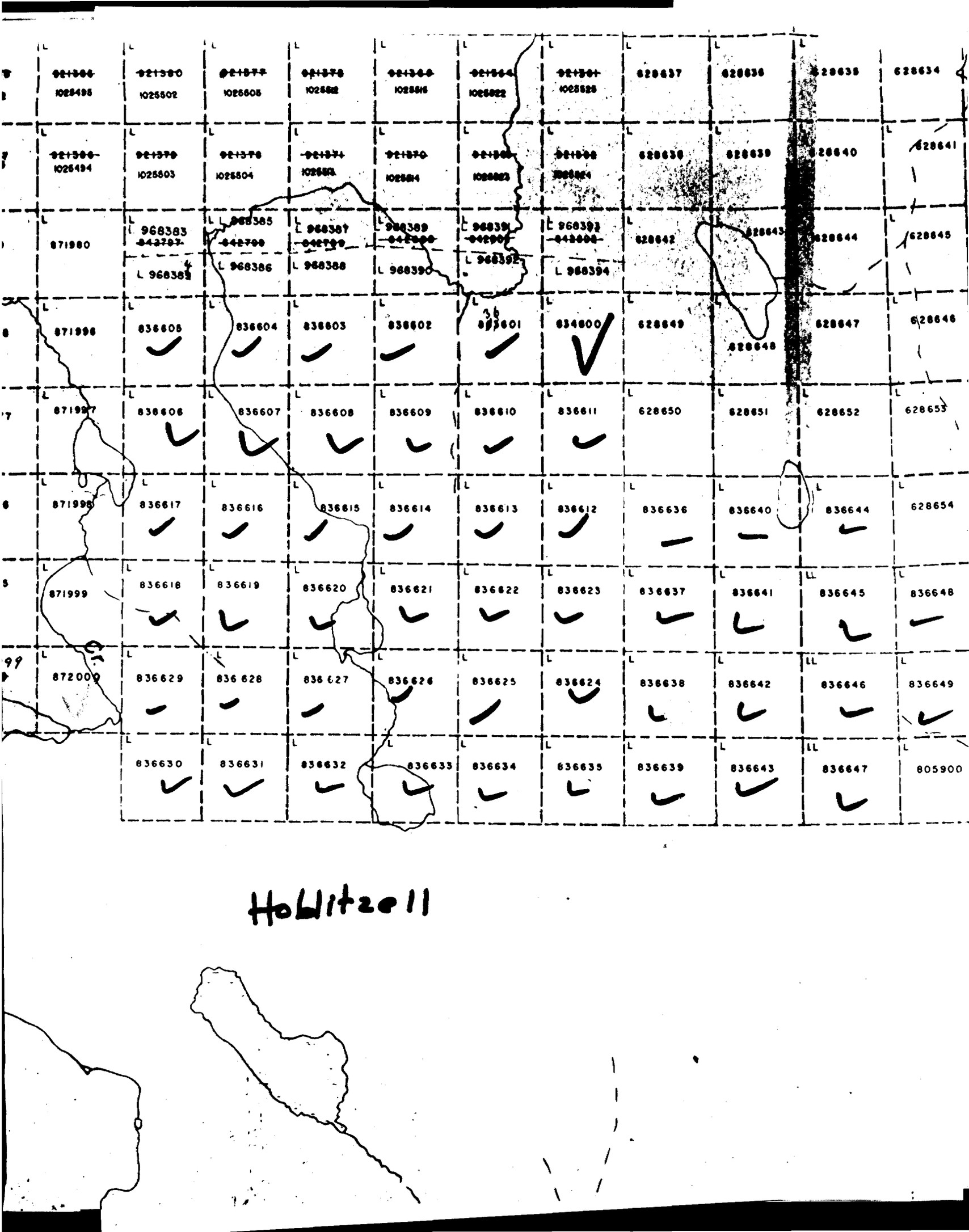
Little Magiskan Lake

Porphyry

West Porphyry

Little Porphyry

Blaklock.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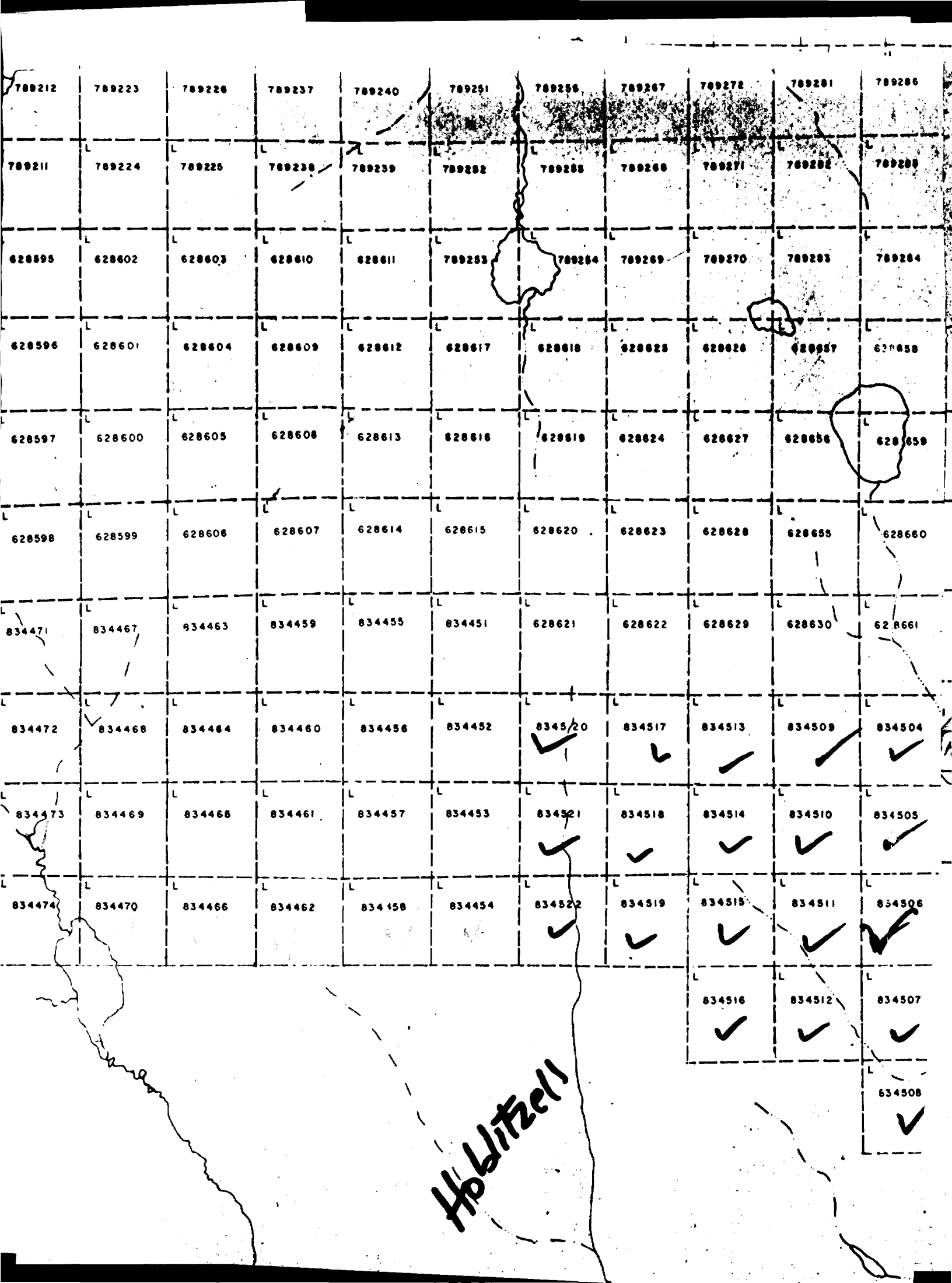
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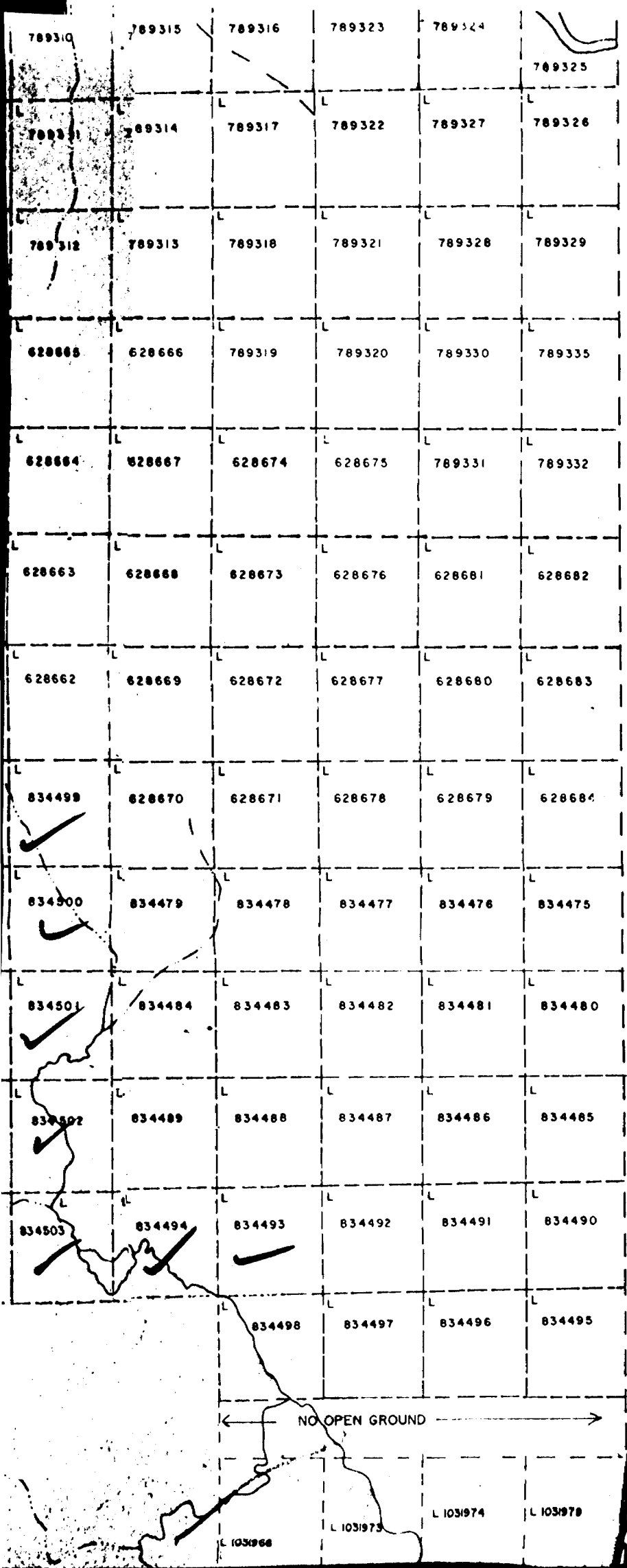
Hblitzell

M.L.

[redacted]

✓claims on W9008.00[illegible]

✓[illegible]



TOWNSHIP

HOBLITZELL

M.N.R. ADMINISTRATIVE DISTRICT

COCHRANE

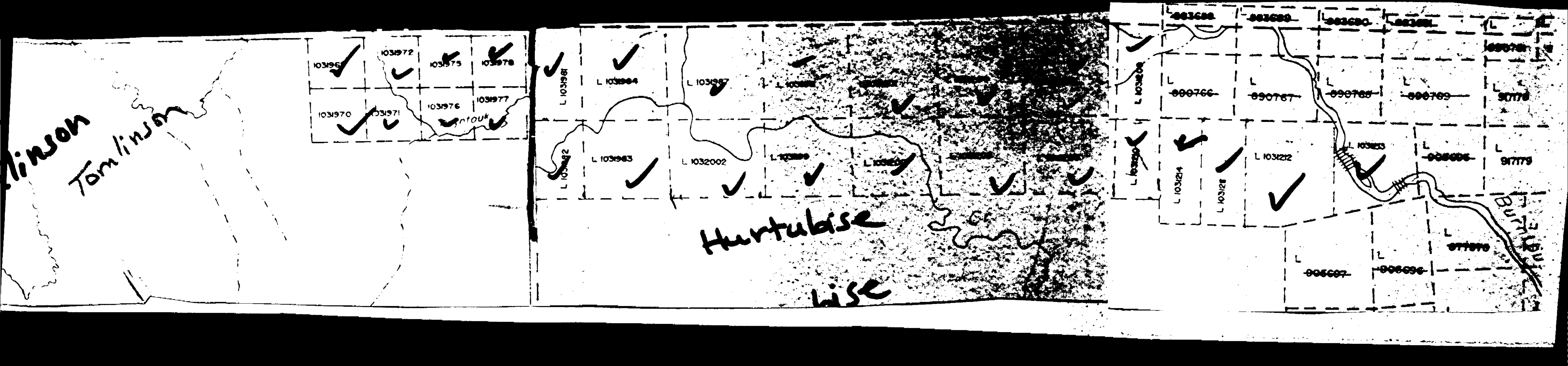
MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources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Hurtubise
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BRADLEY BROS. LIMITED

December 9, 1990

CONTRACT DIAMOND DRILLING

Inco Exploration & Technical Services Inc.
Field Exploration Office
Highway 17 West
Copper Cliff, Ontario

Invoice No. _____

January 26, 1990 to February 28, 1990

Hoblitzell and Blakelock Townships

Reverse Circulation -
Holes 85101 to 85149 inclusive

$88,516.75

Received payment in
full by March 15, 1990

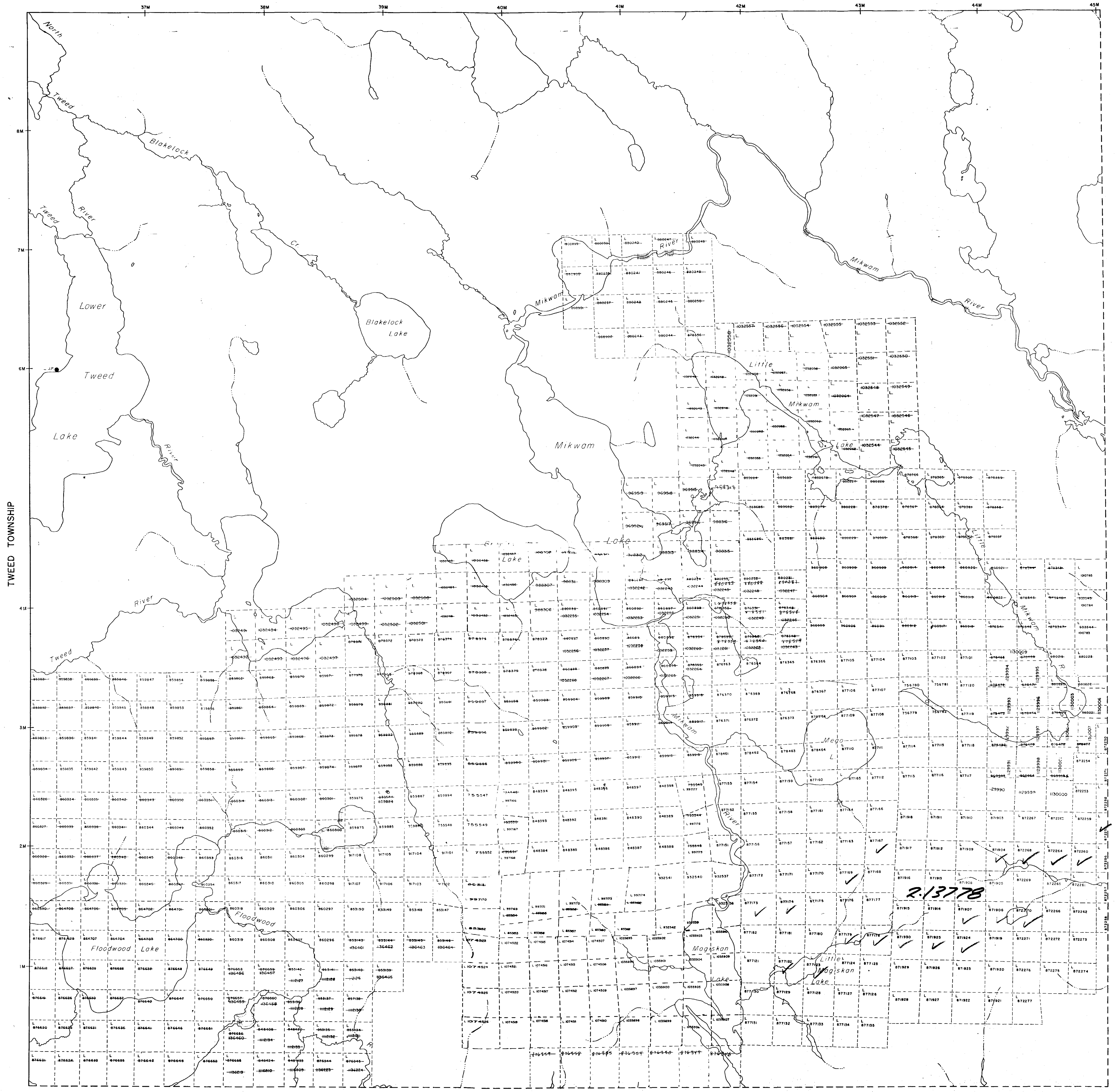
Bradley Bros.Limited

98, 14th STREET • P.O. BOX 2367 ROUYN-NORANDA (QUEBEC) J9X 5A9 • TEL.: (819) 797-0755 FAX: (819) 797-0916

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



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
RESERVATION
CANCELLED
SAND & GRAVEL

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 1:20 000

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.

TOWNSHIP SUBJECT TO FORESTRY OPERATIONS

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE IROQUOIS FALLS MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 730, 2 THIRD AVE., COCHRANE, ONT. P0L 1C0 (705)272-4365

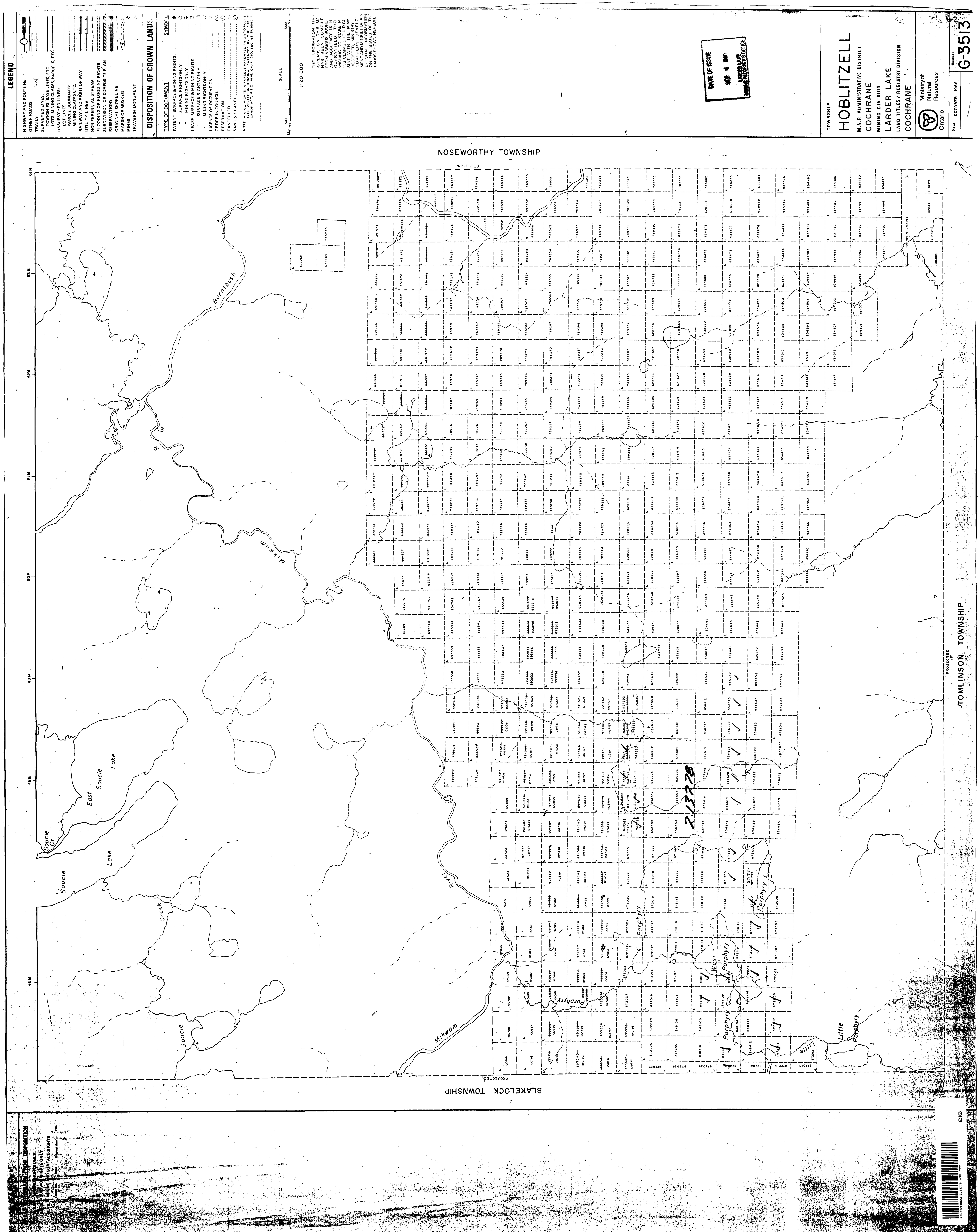
DATE OF ISSUE
OCT 15 1990
LARDER LAKE
MINING RECORDER'S OFFICE

TOWNSHIP
BLAKELOCK
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
LARDER LAKE
LAND TITLES / REGISTRY DIVISION
COCHRANE

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

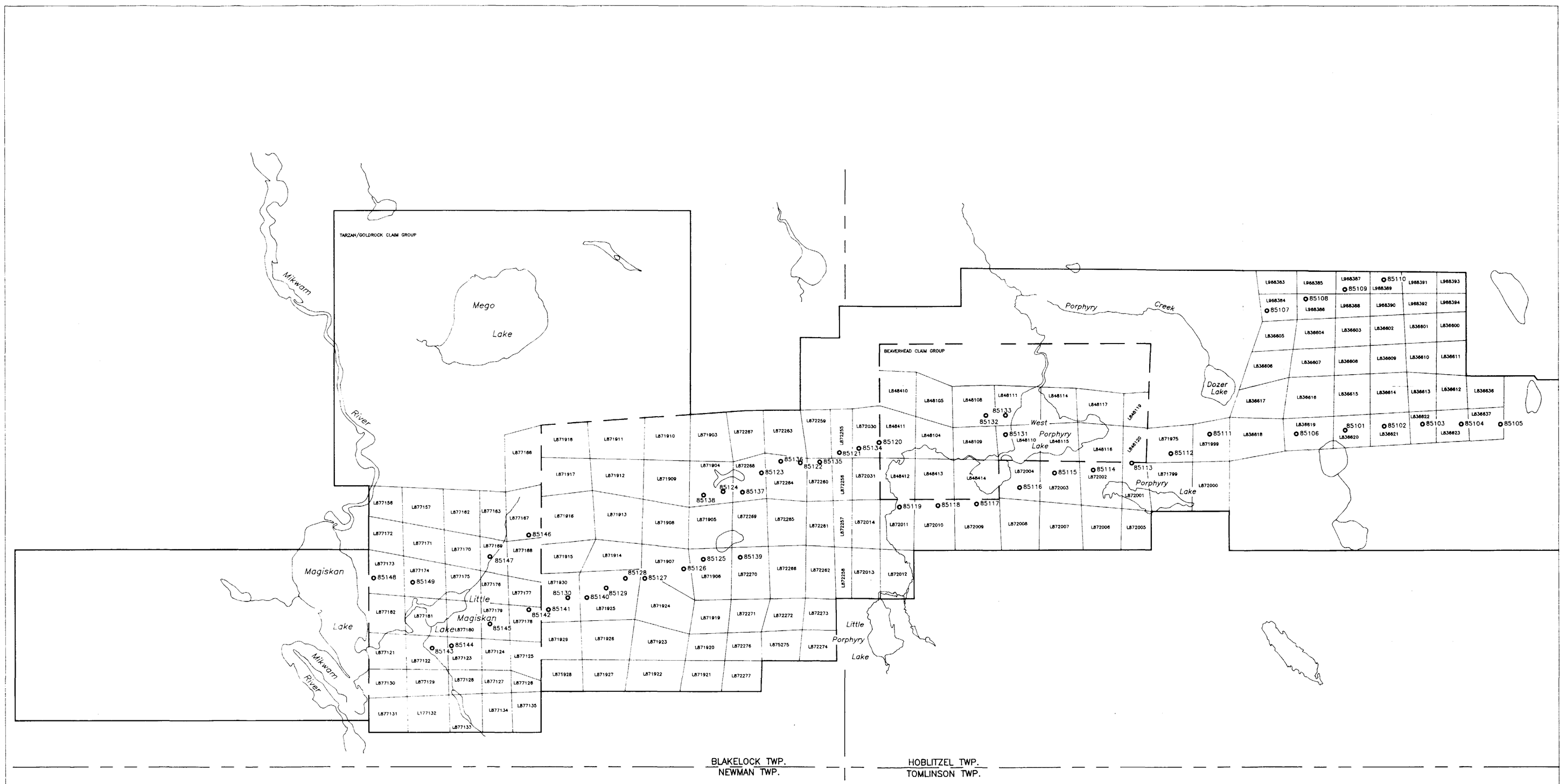
Date OCTOBER/1986 — Number G-3474

200



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
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
RESERVATION
CANCELLED
SAND & GRAVEL
SCALE
1:20 000
DATE OF ISSUE
SEP 4 1990
LARDER LAKE
MINING RECORDER'S OFFICE
TOWNSHIP
HOBLITZELL
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
LARDER LAKE
LAND TITLES / REGISTRY DIVISION
COCHRANE
Ministry of Natural Resources
Ontario
Date OCTOBER 1986
Number G-3513
NOSEWORTHY TOWNSHIP
TOMLINSON TOWNSHIP
BLAKELOCK TOWNSHIP
Burntbush
Mikwam
River
East Soucie Lake
Soucie Lake
Soucie Creek
Porphyry
West Porphyry
Little Porphyry L.

QSRDHLM.DWG



SYMBOLS

- Property Boundary
- L871925 Claim Line and Number
- Magnetic High Trend
- 85120 1990 Reverse Circulation Drill Hole

2.13778

0 500 1000 1500 2000 2500
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: QSR	Area: Cochrane District, Ontario		
DRILL HOLE LOCATION MAP		SHEET 1	FIGURE 4
Supervisor: J. Perry	Instrument:	Survey date:	
Compiled by: K. Hannila	Drawn by: L. J. Valade	Date drawn: 04/27/909	Revised:
Scale: 1:20000	File: QSRDHLM.DWG	N.T.S. 42 H 8,9/32 E 5,12	

220