010

ASSESSMENT REPORT

ON THE 2.15777

1993/1994

REVERSE CIRCULATION DRILLING PROGRAM

THE DIAMOND LAKE OPTION - SKEAD HOLDINGS INC.

LARDER LAKE, ONTARIO

****

PREPARED BY

W. A. HUBACHECK CONSULTANTS LTD.

FILE: AGE\SC\185\5-2DLO94
DEC 10, 1994

D. R. JAMIESON, B.Sc.

W.A. HUBACHECK CONSULTING LTD.

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SUMMARY

Sudbury Contact Mines Ltd. is involved in the exploration of a large group of claims near Larder Lake Ontario, called "The Diamond Lake Project". The property covers parts of Gauthier, McVittie, Arnold, Katrine, McElroy, and Hearst Townships totalling 267 claims and 22,920 acres. The Skead Holdings option is part of this project. The exploration projects carried out are oriented towards diamonds and gold.

Since Sudbury Contact Mines Ltd. acquired the rights to the above stated property through an option agreement with Skead Holdings, a multifaceted program has been executed on the claims.

In late 1991 after ground geophysics confirmed anomalies from a previously flown airborne survey, targets were selected for diamond drilling. Diamond drilling was completed intersecting a kimberlite pipe referred to as the "Diamond Lake Pipe #1".

From the results of the heavy mineral analysis and Dr. Moore and Dr. Gurney's conclusions about the "Diamond Lake Pipe #1", the decision was made to expand our search across the rest of the properties before proceeding with any further work on this pipe.

A reconnaissance 9 hole Reverse Circulation Drilling program was initiated in February, 1993, on claims optioned from Skead Holdings in Gauthier, McVittie, McElroy and Hearst townships.

In general, holes were laid out at approximately 500 metre intervals, in an east-west direction, across the claim group. The purpose of the program was to aid in evaluating gold and kimberlite potential of the property.

Results of this program indicated that several gold dispersal trains could exist on the property, as well as a kimberlite indicator mineral dispersal train.

Five additional Reverse Circulation holes were drilled in 1993. Results indicated that a kimberlite indicator mineral dispersal train with an unknown transport direction exists on the southern portion of the claims.

A third phase of Reverse Circulation drilling was completed in March 1994. Both follow-up and reconnaissance drilling was done. No new discrete targets were generated from reconnaissance drilling. Follow-up drilling in the DLO-93-9 area does confirm the presence of gold grain dispersal in this area, although poor preservation of till hinders the definition of the train or its general direction.

INTRODUCTION

The Skead Holdings Option originally known as the "Diamond Lake Property", comprises 49 claims totalling 1960 acres in Gauthier, McVittie, Hearst and McElroy Townships.

These claims form part of a claim block assembled by Sudbury Contact Mines Ltd. in Gauthier, McVittie, McElroy, Katrine, Arnold & Hearst Townships, of the Larder Lake Mining Division, in northeastern Ontario.

From 1986 to 1991, exploration programs in these townships have been focused on known auriferous targets along the Larder Lake Break as well as identifying new targets along other structures for drill testing. These programs utilized the extensive data base acquired in the Larder Lake Gold Camp by Sudbury Contact Mines Ltd. since 1972.

In 1987, Sudbury Contact aquired the "Diamond Lake Properties", which were known to host gravel deposits containing kimberlite float boulders. By 1989, a kimberlite dyke discovery was made by Reverse Circulation drilling on the Diamond Lake Option (Skead Holdings Inc.) in McVittie Township. The discovery was later confirmed by diamond drilling. In 1990, diamond drilling discovered a Kimberlite Pipe ("Diamond Lake Pipe #1") on this same property. These discoveries led Sudbury Contact to acquire the surrounding lands, and initiate a reconnaissance gold and diamond exploration strategy.

Nine reconnaissance Reverse Circulation holes were drilled on the Skead Holdings option during the winter of 1993. Five follow-up holes were drilled in the summer of 1993, with an additional 16 reconnaissance and follow-up holes drilled during the winter of 1994. This report describes the gold grain and kimberlite indicator mineral results of these Reverse Circulation drilling programmes.

Samples were taken of till and gravel material, as well as some glaciofluvial sand. Processing to recover sand and silt size gold and kimberlite indicator minerals from these samples was done by Overburden Drilling Management.

The coordination and implementation of the various technical tasks was conducted by W. A. Hubacheck Consultants Ltd. under the supervision of P. Hubacheck, D. Christie and D. Jamieson.

PROPERTY AND PROJECT AREA DESCRIPTION

The Skead Holdings (Diamond Lake) option consists of 49 claims totalling 1960 acres straddling the boundaries of southern Gauthier and McVittie Townships and the northern sections of Hearst and McElroy Townships, Larder Lake Mining Division), and are numbered as follows:

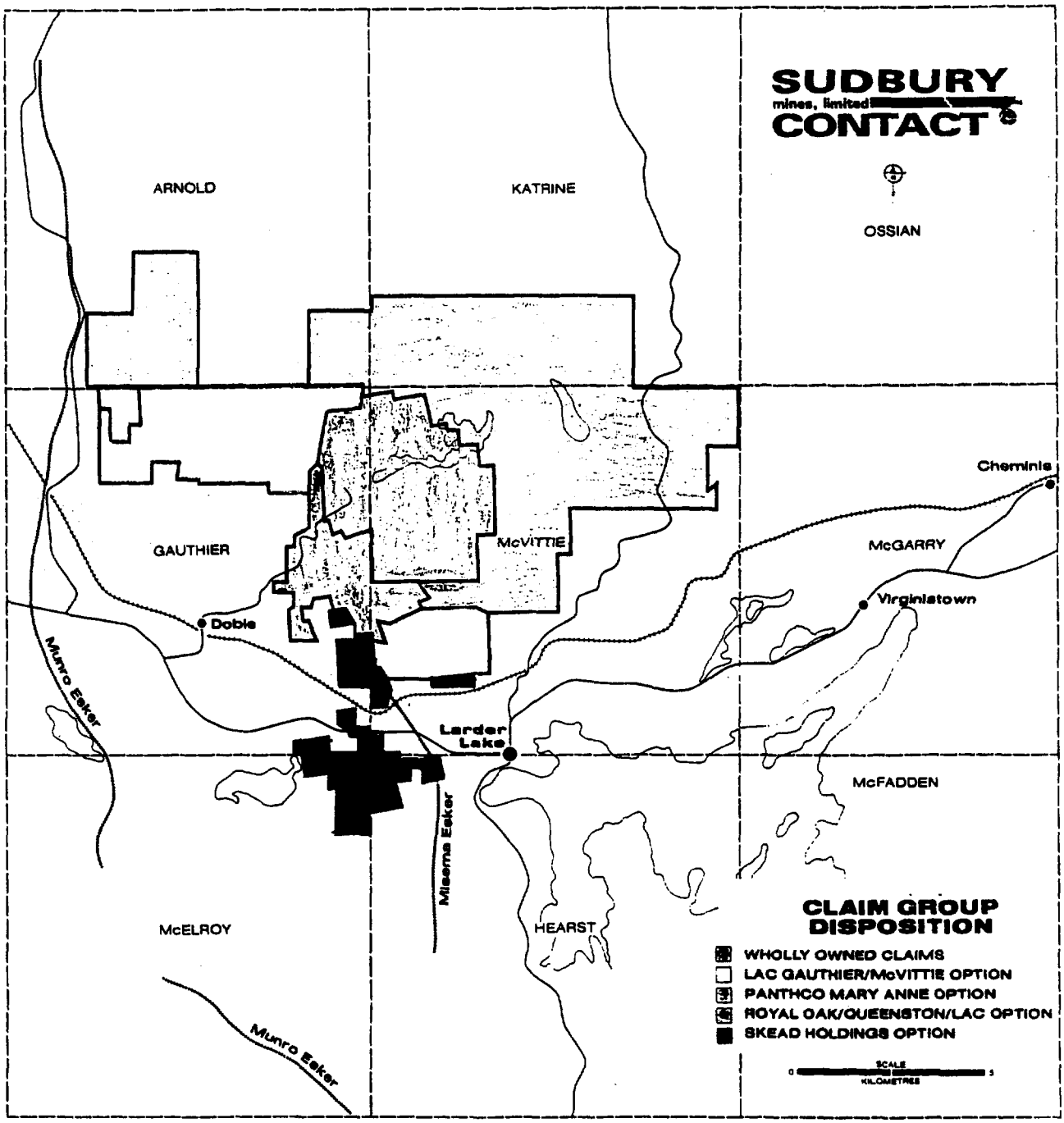
L667832, L736729, L736730, L737731, L736732, L760496, L800064, L821928, L893730, L893731, L981875, L981993, L1111211, L1014694, L1045614, L1096947, L667833, L821910, L1151867, L1151868, L1151869, L892020, L892246, L917318, L919853, L1146425, L11515117, L919854, L919855, L919919, L982373, L919850, L919851, L919920, L9080319, L981385, L981386, L919921, L919922, L919923, L982757, L980387, L980395, L980396, L859823, L23463, L19280, L23462, L979566.

LOCATION AND ACCESS

The claims commonly adjoin the Gauthier / McVittie / Hearst / McElroy Township four corner junction and extend to the north and south of this junction straddling the township boundaries. The claim group lies 3 km west of Larder Lake along Highway 66, and is accessible to the north from the Fork Lake access road, and to the south via an old logging road and the Cheminis Lumber road. The Misema River, flanked on the east by a south treading esker ridge is the dominant geographic feature. A separate block of claims east of Marjorie Lake can be accessed by trails just north of Larder Station.

The northwestern portion of the property can be accessed from the Little Larder-Lake Road from the Village of Dobie crossing the Ontario Hydro line two miles west of claim 1111211.

DIAMOND LAKE PROJECT AREA



PROJECT MANAGEMENT : W.A.HUBACHECK CONSULTANTS LTD.
TORONTO,ONTARIO,CANADA

FIGURE 1

LOGISTICS

Reverse Circulation Drilling:	Heath and Sherwood Drilling Kirkland Lake, Ontario
Mineral Processing:	Overburden Drilling Management Nepean, Ontario
Senior Geologist:	Peter C. Hubacheck, P. Geol. 2401 Pyramid Cres. Mississauga, Ontario L5K 1E1
Project Geologist:	David W. Christie, B.Sc. 1412 - 88 Redpath Ave. Toronto, Ontario M4S 2J8
Contract Geologist:	David Jamieson, B.Sc. 2004 Maniece Ave R.R. #8 Peterborough, Ontario K9J 6X9

REGIONAL GEOLOGY

The area is dominated by the Archean Upper Super groups; Kinojevis, Temiskaming and Blake River.

The Kinojevis Group comprises Mg-rich and Fe-rich tholeittic basalts, and minor andesite, dacite and rhyodacite flows and tuffs with associated thin interflow argillites and cherts.

The Blake River Group comprises calc-alkalic basalts, andesite, dacite and rhyolite flows and tuffs, and minor related volcaniclastics. Both groups contain sills and stocks of gabbroic and dioritic affinity.

The Temiskaming Group comprises K-rich alkalic and calc-alkalic volcanics, (Mafic, intermediate, plus trachytic types and minor dacites and rhyolites), and related conglomerates, wackes and argillites.

Pyroclastic deposits are quite common, and are likely related to the various volcanic phases. The Temiskaming Group was localized within a graben between the Kinojevis/Blake River Groups located mainly to the north and the Larder Lake and Skead Groups to the south.

Eruptive and depositional litho-tectonic facies appear to be disconformable within these groups, with some localization of volcanics along shears and fractures possibly related to rifting and graben formation.

This active faulting along a probable rift margin was likely related to activity which produced or at least reactivated the Kirkland-Larder Lake Fault Zone. (KLLFZ).

The region is dominated by this "break" with the Temiskaming Group lying immediately to the north or straddling the discontinuity. The other major structural feature in the region is the Blake River Synclinorium, with the area under discussion being located on it's south limb.

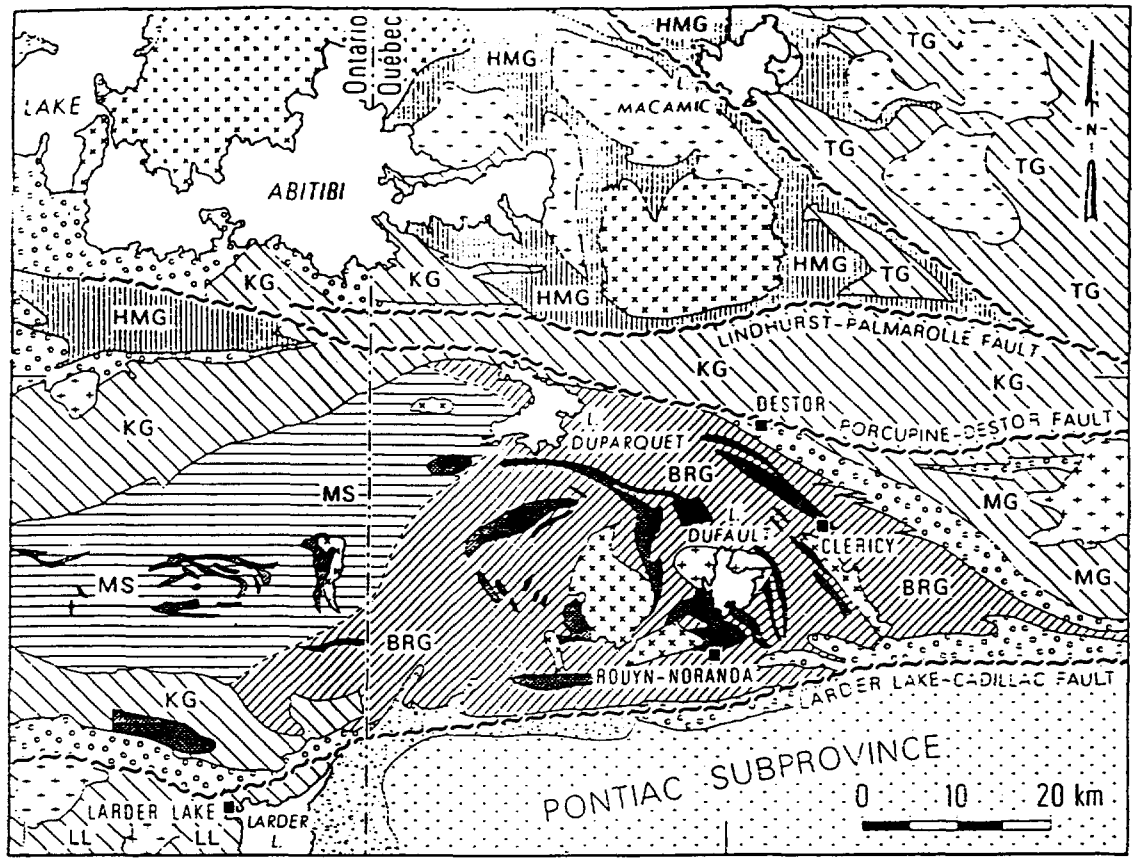
In most general terms, mineralization in the area and on a semi-regional scale occurs at or proximal to the Temiskaming-Larder Lake Group boundaries/time stratigraphic datums.

QUATERNARY GEOLOGY

The landforms visible in the Kirkland Lake area today are largely the result of the latest glacial event. At least two earlier glacial events are locally preserved. Glacial striae indicate that the oldest ice sheet movement vector is approximately 240 degrees, the second oldest approximately 180 degrees and the latest approximately 165 degrees. Glacial drift from this last event is termed the Matheson Till.

Several north-south trending esker systems occur in the Kirkland Lake area, noteably the Munroe, Misema, Boundary, and Airport Eskers. These systems are composed of poorly- to well- sorted glaciofluvial sands and gravels. It is important to note that these systems can rework and remove till sheets down to bedrock near the cores of the esker, and rework and intercalate with till sheets along esker margins.

Glaciolaucustrine sediments of clay, silt and fine sand cover till and glaciofluvial sequences in low-lying areas. Large areas of fine- to medium-grained, well-sorted sand cover has developed from laucustrine wave action along esker systems with subsequent local sand dune formation.



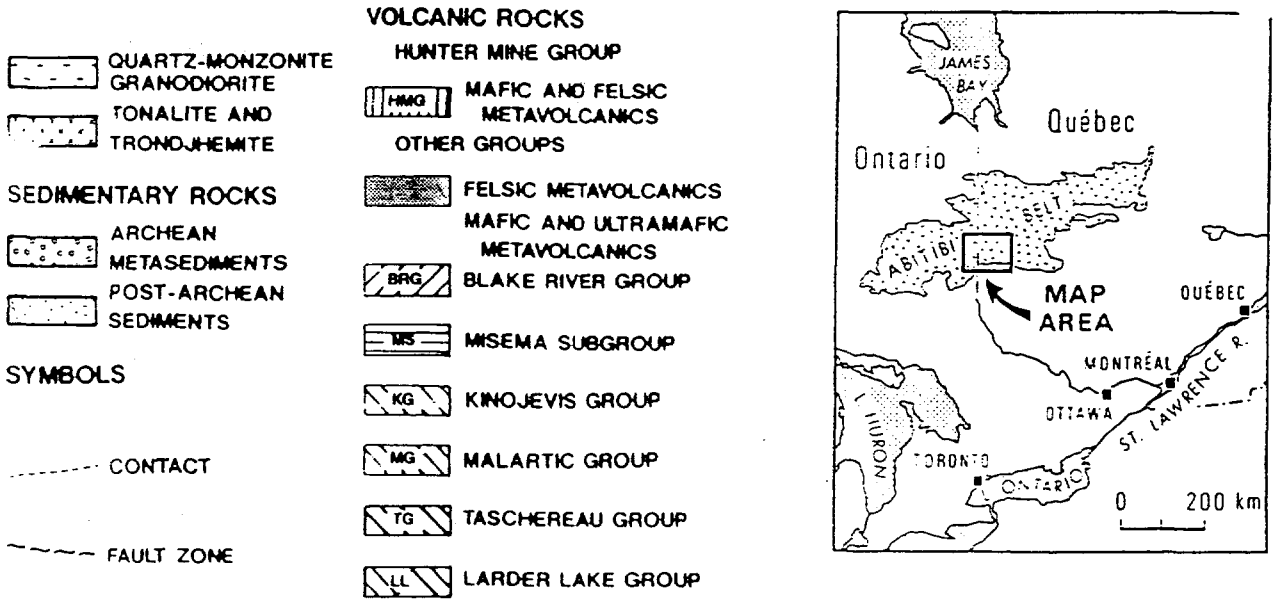


FIG. 1. Simplified geological map of the southern Abitibi belt and the Pontiac Subprovince (modified after OGS–MERQ 1984). Insert: location of the map area.

REVERSE CIRCULATION DRILLING

METHODOLOGY

The following figures help to illustrate the methodology of the Reverse Circulation Drilling technique. The purpose of sampling certain glacial materials is to locate the portions of ore-bodies that have been eroded by glaciation and distributed in a "train" down-ice of the ore-body.

Glacial action has reduced much of the material to sand and silt size, and it is grains of this size fraction which are examined in a laboratory for gold, sulphides and other minerals indicative of potentially economic deposits. Coarser material (gravel size and boulder chip material) can be examined and described at the drill by a geologist.

Case histories, Quaternary geological studies, and glacial studies all provide a data base which can be used to interpret the mineralogical results from a reverse circulation drilling program.

The most important material to sample during a reverse circulation program is commonly termed till. Till is poorly sorted debris which in most situations has travelled directly down-ice along the bottom of the glacier and has been smeared along bedrock surfaces, filling depressions and valleys. Basal till is the till lying directly on bedrock. Minerals found in this type of material can, theoretically, be traced by their relative abundance and morphology directly back up-ice to their source.

Unfortunately, till can be reworked or redeposited by water as well as rafted by ice flows, and caused to flow along paleoslopes, causing misinterpretations. Thus a large database is important for defining patterns based on numerous data points rather than single "spot highs".

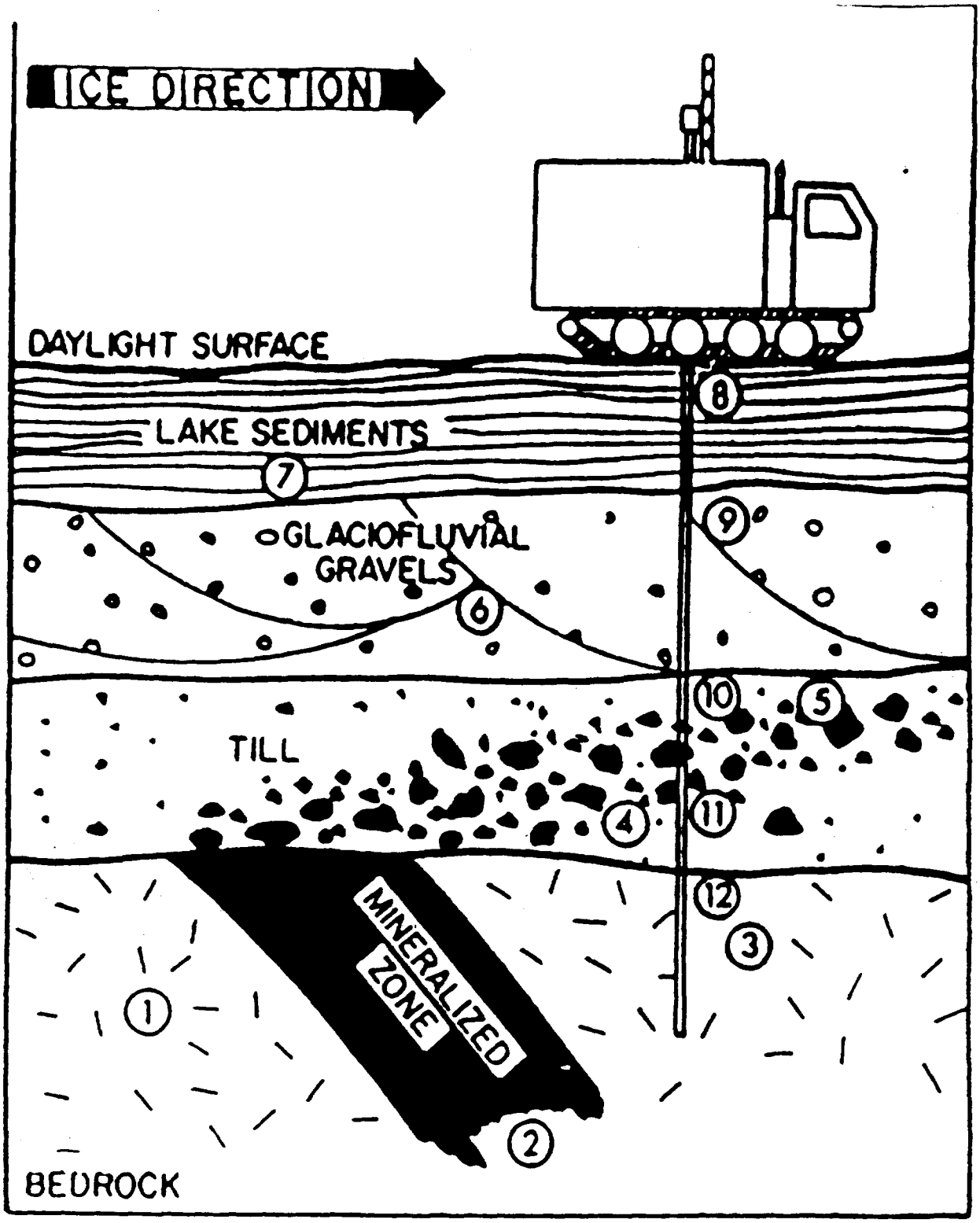
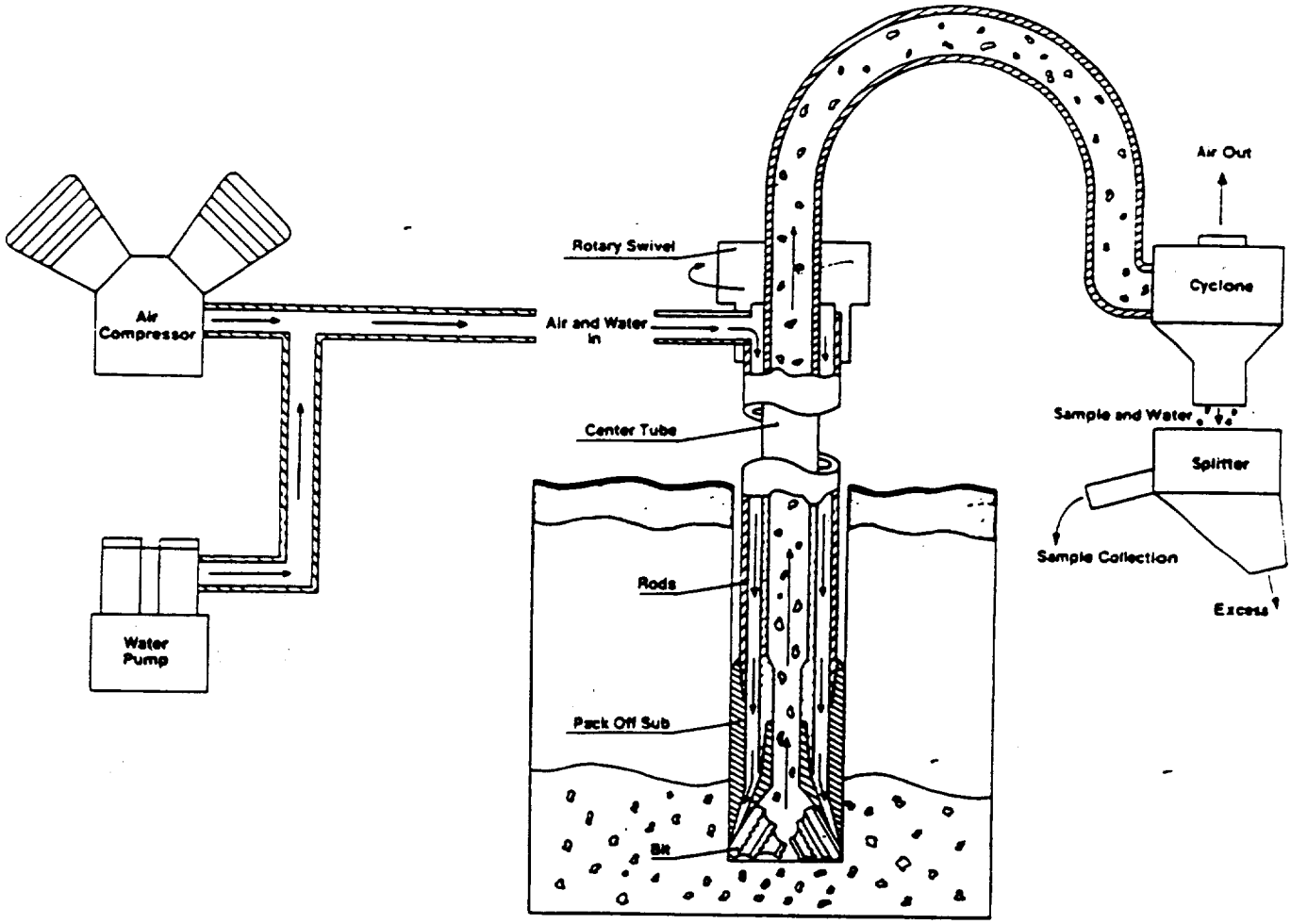
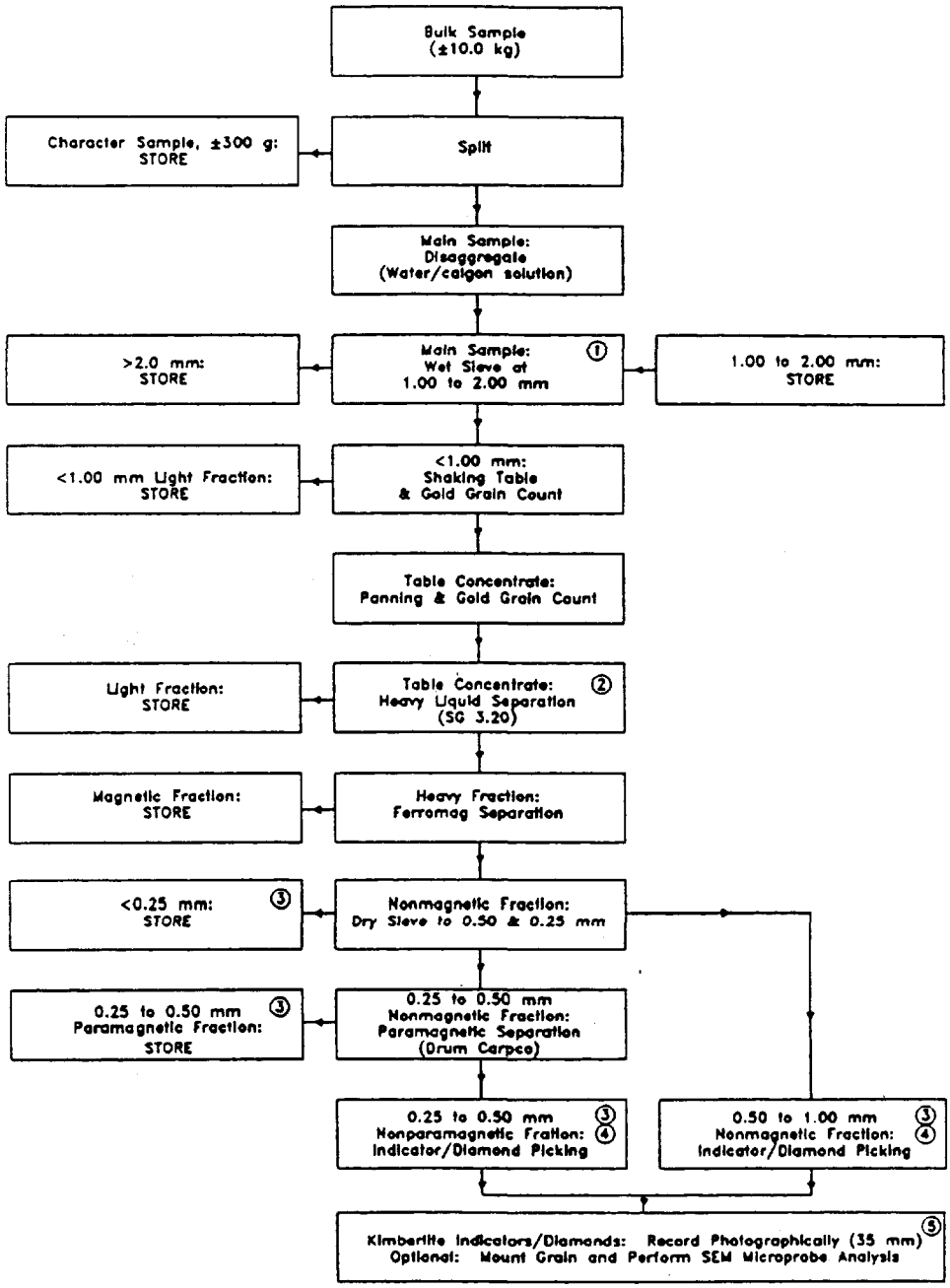


Figure 3. Idealized conceptual model illustrating the use of basal till as a prospecting medium in glacial terrain, using reverse circulation drilling as a sampling technique.


Air Out
Rotary Swivel
Cyclone
Air Compressor
Air and Water In
Center Tube
Sample and Water
Splitter
Sample Collection
Rods
Excess
Water Pump
Pack Off Sub
Bit

OVERBURDEN DRILLING MANAGEMENT LIMITED

FLOW SHEET 1
UNWEATHERED TILL:
DIAMOND PLUS GOLD EXPLORATION PACKAGE



Footnotes: Optional Procedures

Footnote 1 May also wet sieve at 0.50 mm followed by direct heavy liquid separation on 0.50 to 1.00 mm fraction. The <0.50 mm is tabled.

Footnote 2 Methylene Iodide may be diluted to customer specification to obtain any specific gravity <3.32.

Footnote 3 These fraction may be recombined after indicator picking and submitted for gold analysis.

Footnote 4 Indicator minerals to be picked out: Cr-diopside
purple peridotitic pyrope garnet
orange peridotitic and eclogitic garnet
picroilmenite
chromite
} >0.50 mm fraction only

Footnote 5 SEM and probe work performed at extra cost.

TOPOGRAPHY

The western portion of the property has good bedrock exposure, with glacial till preserved in swamps or stream valleys. The eastern portion of the property is dominated by the Misema Esker system. Sand and gravel deposits related to this system reach thicknesses of up to 45 metres. Preservation of till beneath the esker is generally poor, especially in the central "spillway" portions of the esker system. This presents some problems in terms of gathering good basal till information.

SAMPLING RESULTS

A brief description of hole stratigraphy is given below. In general, only material interpreted to be till or esker gravel were sampled during this program. Material weights and grain counts indicate the amount of sample processed and subsequent recovery of gold grains. Several consecutive samples may be included in these numbers. Individual sample results are found in the RC drill log and processing data sheet appendices. A brief interpretation of gold grain counts is offered for each hole.

DLO-93-1

A 4.2 metre thickness of dark brown oxidized gravel overlies 1 metre of boulders and minor sand. The gravel consists of mainly locally derived iron-carbonate-sericite schist. Eight gold grains (one modified) were recovered from 7.3kg of material (2 samples). These results reflect background levels of gold grains.

DLO-93-2

Five metres of poorly sorted basal sand and gravel, including a 1 metre diameter boulder, was intersected beneath 5 metres of organics and glaciofluvial sand. Four gold grains (one modified) were returned from 15.0 kg of material, indicative of background levels.

DLO-93-4

A 2.3 metre unit of basal till and gravel occurs beneath 1.5 metres of organic material and sand. Three gold grains (two modified) were recovered from 9.5 kg of material. The overall low gold grain counts are indicative of background gold grain levels.

DLO-93-5

A 2.5 metre unit of basal till occurs beneath 13 metres of glaciolacustrine clay, silt, and sand. Three round gold grains were recovered from 5.6 kg of sample, reflecting background levels of gold grains.

DLO-93-6

A 2.0 metre thickness of basal till occurs beneath 18 metres of glaciolacustrine clay, silt and sand. 10 gold grains (3 modified) were recovered from 10.5kg of material. This result may reflect the presence of a weak dispersal train from a gold source 500 to 1000 metres up-ice.

DLO-93-7

One metre of basal till occurs beneath 5 metres of glaciolaucustrine sand. 1 gold grain was recovered from 1.9 kg of material, reflecting low background levels of gold grains.

DLO-93-8

A thin veneer of basal till may have been intersected beneath 18.5 metres of glaciolacustrine sand and clay. A sample was taken of the basal portion of the sand, a small boulder and small amount of bedrock. Two gold grains, one of which was pristine was returned from 2.8kg of sample. The lack of an adequate sampling horizon in this hole make interpretation of this result difficult, but probably indicates background gold grain levels.

DLO-93-9

A 7.0 metre thickness of till and gravel occurs beneath 42 metres of glaciofluvial sand and glaciolacustrine clay. Significant kimberlite indicator mineral counts occur toward the base of the till section.

DLO-93-10

A 1.5 metre thickness of basal boulder till occurs beneath a thin veneer of soil. No gold grains were recovered from 2.2 kg of sample.

DLO-93-11,11A

Hole DLO-93-11A was drilled 3 metres south of DLO-93-11 after failing to reach bedrock on several attempts. 3 metres of till occurs beneath 40 metres of glaciolacustine clay, silt and sand, as well as glaciofluvial sand and gravel. Significant kimberlite indicator mineral counts occur in this till section.

DLO-93-12

One metre of gravel occurs beneath 44 metres of glaciolacustrine clay, silt and sand. No gold grains were returned from 1.7 kg of material.

DLO-93-13

A 48.5 metre thickness of glaciofluvial sand and gravel overlie bedrock. No till was intersected and only 4 gold grains were returned from the entire section.

DLO-93-14

A 28.5 metre thickness of glaciofluvial sand and gravel occur beneath 14.5 meters of glaciolacustrine clay, silt and sand. No till was intersected and only background levels of gold grains were recovered from sand and gravel samples.

DLO-93-15

A 16 metre thickness of glaciofluvial sand and gravel occur beneath 9 metres of glaciolacustrine silt and clay. No till was intersected and only background levels of gold grains were recovered from sand and gravel samples.

DLO-94-16

A 0.3 metre thickness of gravel, boulders and sand occur beneath 33 metres of glaciolacustrine clay, silt and sand. No gold grains were recovered.

DLO-94-17

A 1.0 metre thickness of well-sorted gravel occurs beneath 42.4 metres of glaciolaucustrine clay silt and sand and glaciofluvial sand and gravel. Three round and one modified grain were returned from 2.3 kg of sample. These results are higher than background, but transport distance may be long due to the fluvioglacial nature of the sample.

DLO-94-18

No samples were taken, as the overburden section consisted entirely of glaciolaucustrine clay and well sorted sand.

DLO-94-19

A 0.6 metre thickness of reworked till or poorly sorted sand and gravel is perched within bouldery glaciofluvial sand. The glaciofluvial sand layer is 29 metres thick and extends to bedrock beneath 16.5 metres of glaciolacustrine clay and sand. Three round gold grains were recovered, indicating only background gold grain levels are present.

DLO-94-20

A 0.7 metre thickness of cobbly, bouldery till occur beneath 47.8 metres of glaciolacustrine clay, silt and sand. Two round gold grains were returned from 4.75 kg of sample, indicating background levels of gold grains.

DLO-94-21

A 4.0 metre thickness of reworked till occurs beneath 55 metres of glaciolacustrine clay, silt and sand. Significant kimberlite indicator mineral counts occur throughout this till section.

Holes 22 to 24A were drilled along the south boundary of the Skead Holdings property in McVittie township, directly south of the Lac McVittie option.

DLO-94-22

A 0.7 metre thickness of sandy till was intersected beneath 10.5 metres of glaciolacustrine clay. Eleven round gold grains were recovered from 5.2 kg of sample, indicating the presence of a distal gold grain source (>10 km).

DLO-94-22A

A 0.4 metre thickness of of sandy till occurs beneath 7 metres of glaciolacustrine clay. Nine round and 3 modified gold grains were recovered from 4 kg. of sample. These results indicate the presence of a moderately distal gold source, possibly between 1 and 5 km up-ice.

DLO-94-23

A 0.2 metre thickness of gravel or washed till occurs beneath 8.6 metres of glaciolacustrine clay and silt. Two round gold grains were recovered from1.75 kg of sample, which indicates background gold grain levels.

DLO-94-23A

A one metre thickness of sandy till was intersected beneath 8.5 metres of glaciolacustrine silt and clay. Three round gold grains were recovered from 3.85 kg of sample, which indicates background gold grain levels.

DLO-94-24

A 0.2 metre thickness of gravel or washed till occurs beneath 9.0 metres of organics and glaciolacustrine clay and silt. No gold grains were recovered from 0.95 kg of sample.

DLO-94-24A

A 0.5 metre thickness of oxidized sandy till was intersected beneath one metre of organics and brown clay. Two round gold grains were recovered from 1.85 kg of sample, indicating background gold grain levels.

Holes 25 and 26 were drilled in McElroy township, on the western portion of the claim group.

DLO-94-25

A 2.7 metre thickness of reworked till was intersected beneath 4.5 metres of bouldery sand and gravel. Two modified and 21 round gold grains were recovered from kg of sample. This is indicative of a gold source between 5 and 10 kilometers up-ice.

DLO-94-26

A 1.4 metre thickness of reworked till occurs beneath 2.0 metres of gravel, clay and boulders. Three round gold grains were recovered from kg of sample, indicative of background gold grain levels.

DLO-94-27

A 0.6 metre thickness of moderately sorted gravel occurs beneath 5.8 metres of organics and fine sand. Four round and one modified gold grain was recovered from 2.2 kg of sample. The glaciofluvial nature of this sample indicates a distal source.

DLO-94-28

A 2.0 metre thickness of moderately sorted gravel occurs beneath 16.5 metres of clay and glaciofluvial sand. One round and one modified gold grain was recovered from 4.4 kg of sample, indicative of background gold grain levels.

CONCLUSIONS/DISCUSSION

1. High kimberlite indicator mineral grain counts were encountered in a basal till unit partially outlined by reverse circulation holes DLO-93-9, DLO-93-11,11A., and DLO-94-21. Till is poorly preserved north of these holes, making it difficult to define the glacial dispersal train direction and shape. The basal till unit intersected appears to be a preserved "pocket" and may be older than the Matheson till event, adding further uncertainty to possible up-ice directions. The known Diamond Lake pipes are probably the source for these elevated grain counts.

2. A weak proximal gold dispersal train was intersected by DLO-93-6. This dispersal train may be related to the presence of the Larder Lake Break, approximately 2 kilometers to the north.

RECOMMENDATIONS

1. The weak gold dispersal train intersected in DLO-93-6 should be followed up by more detailed mapping in the area. Recent logging has provided better access and may have produced bedrock and till exposures that could be mapped and sampled easily. Four or five reverse circulation holes along swamps or depressions within 1 kilometer north of DLO-93-6 should be given moderate priority for a winter program.

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CERTIFICATE

I, David R. Jamieson, of the City of Peterborough, in the Province of Ontario, Canada, do hereby certify that:

(1) I am an Exploration Geologist, residing at R.R. # 8 Peterborough, Ontario contracted to W.A. Hubacheck Consultants Ltd., 141 Adelaide St. West, Suite 1401 Toronto, Ontario.

(2) I am a graduate of the University of Waterloo and received my Bachelor of Science degree in Earth Sciences in 1984, and have been practising my profession as an Exploration Geologist continuously since graduation.

(3) I am member of The Prospector and Developers Association of Canada, The Association of Quebec Prospectors, and The Canadian Institute of Mining and Metallurgy-Kirkland Lake Branch.

(4) This report is based on personal examination of the properties between January 1993, and March 1994.

(5) I have no direct interest in the properties or securities of Sudbury Contact.

Toronto, Ontario
December 10, 1994

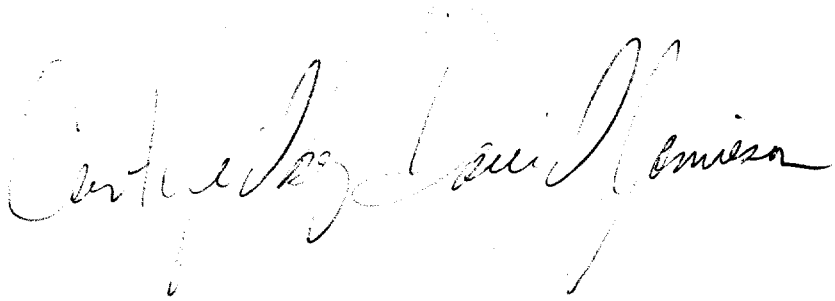
David R. Jamieson, B.Sc.

W.A. HUBACHECK CONSULTANTS LTD.

APPENDIX A
CERTIFIED STATEMENT OF EXPENDITURES

APPENDIX A **Expenditures**

Senior Geologist	2 days @ $344 =	$ 688
Project Geologist	6 days @ $242 =	$ 1452
Contract Geologist	32 days @ $206 =	$ 6592
Geological Assistant	9 days @$110 =	$ 990
Drilling Contractor -	31 RC holes Drilling Water Haulage Road Making	$44058.58
Mineral Processing-	83 samples averaging $110.36/sample =	$ 9159.88
Field Supplies		$ 600
Gas/Oil		$ 350
Truck/ATV/Snowmobile Rental		$ 750
Shipping/Pails		$ 275
Food/Lodging/Field Office		$ 1300
GPS/Radio Rental		$ 200
Mob/Demob		$ 700
ONR track crossing		$ 600
Drafting		$ 200
Printing/copying/binding		$ 200
TOTAL	$68115.46	



APPENDIX B
REVERSE CIRCULATION OVERBURDEN DRILL LOGS

W.A.H.UBACHECK CONSULTANTS LTD.
TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT HOLE No. DLO-1
CONTRACTOR HEATH & SHERWOOD LOCATION 5328900N 591660E
DRILLER KARI LIPASTI BIT No. CB 70691 BIT FOOTAGE 12.0 - 19.0m
MOVE TO HOLE FLOAT FROM DLO-2 1:32 - 4:15
DRILL 4:15 - 5:00 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 9/93
OTHER CLAIM 981875 GAUTHIER TWP SHIFT 2:00 TO 5:00PM
MOVE TO NEXT HOLE LEAVE MACHINES ON HOLE TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER C. ROUTERY CONTRACT HOURS

Dave Jamieson

DEPTH ☐ Feet ☒ Metres	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	INDICATORS DC	GP	GO
1		18916	0 - 4.2m dark brown (oxidized) gravel pebbles: 70% subangular to subrounded rusty iron carbonate - sericite schist	3	0	0	0	3	0
3		18917	30% subround to subangular volcanics	4	1	0	9	8	0
		18918							
5		18919	4.2 - 5.5m boulders with sand and gravel; iron carbonate - sericite quartz schist and coarse grained black gabbro with pulses of sand						
7		18610							
9			5.5 - 7.0m bedrock - dark green weakly silicified mafic volcanic; 1-2% pyrite; non-magnetic; very weak reaction of -10 mesh to 10% HCl						
			7.0m E.O.H						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT HOLE No. DLO-2
CONTRACTOR HEATH & SHERWOOD LOCATION 5328530N 592310E (UTM)
DRILLER KARI LIPASTI BIT No. CB 70691 BIT FOOTAGE 0 - 12.0m
MOVE TO HOLE 11:30 - 12:45
DRILL 12:45 - 1:32 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR9/93
OTHER CLAIM B59823 GAUTHIER TWP SHIFT 7:00 TO 5:00
MOVE TO NEXT HOLE 1:30 - 4:15 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER C. POUTFRY CONTRACT HOURS

Dave Jamieson

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	GOLD GRAINS Mod	GOLD GRAINS Def	INDICATORS DC	INDICATORS GP	INDICATORS GO
0			0 - 1.5m organics						
			1.5 - 5.0m f.g. - m.g. well sorted sand						
3			5.0 - 6.5m poorly sorted sand and gravel 50% m.g. - c.g. sand pebbles: 50% subround mafic volcanics						
5		18913	35% subangular brown carbonate - green carbonate - qtz - sericite schist 15% granitics 1 small Kimberlite pebble?	2	0	0	3	8	0
7		18914	6.5 - 7.2m gravel to sandy lenses pebbles: similar to 5.0 - 6.5	0	1	0	1	3	0
9		18915	7.2 - 8.4m boulder - poor seal	1	0	0	1	4	0
11		18611	8.4 - 10.0m poorly sorted, cobbly sand and gravel; 30% m.g. sand pebbles: similar to 5.0 - 6.5						
13			10.0 - 12.0m bedrock - pyritic pink orange, f.g. syenite, gradually changing to purple red colour down-hole						
			12.0m E.O.H.						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY: SUDBURY CONTACT — HOLE No.: DLO-93-4

CONTRACTOR: HEATH & SHERWOOD — LOCATION: 5327700 N 591050E (UTM)

DRILLER: KARI LIPASTI — BIT No.: CB70695 — BIT FOOTAGE: 73.5-80.0m

MOVE TO HOLE: FLOAT FROM HOLE DLO-9 6:45-9:45

DRILL: 9:45-10:45 — MECHANICAL DOWN TIME:

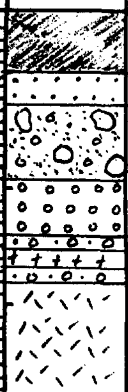
DRILLING PROBLEMS: — DATE: MAR 9/93

OTHER: CLAIM 980387 McELROY TWP — SHIFT: 2:00 TO 5:00PM

MOVE TO NEXT HOLE: 10:45-11:15 — TOTAL HOURS:

GEOLOGIST: D. JAMIESON — SAMPLER: C. ROUTERY — CONTRACT HOURS:

DEPTH: Feet ☐ Metres ☑



DEPTH	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Del
		0-1.0m organics			
1	18908	1.0-1.5m dark brown coarse grained sand	0	0	0
	18909	1.5-2.8m dk grey sandy till: 25% pebbles, 75% fg. to m.g. sand; pebbles: 65% subangular (redond?) grey syenites and diorite; 35% subround to subangular volcanics	0	2	0
3	18910	2.8-2.9m boulder	1	0	0
	18911	2.9-3.8m moderate to well sorted gravel; 10-15% fg. to m.g. sand; pebbles: 50% subangular to subround volcanics, 50% subangular to subround granitics	8	1	0
5	18612	3.8-4.6m granitic + gabbro boulders with 10-25% sand + gravel			
		4.6-6.5m bedrock - gabbro, moderately magnetic; no reaction of (-10 mesh?) to 10% HCl			
7		6.5m E.O.H.			

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT HOLE No. DLO-5
CONTRACTOR HEATH & SHERIDAN LOCATION 5327480N 592785E (UTM)
DRILLER KERRY LAPOSTA BIT No. C870696 BIT FOOTAGE 51.5-67.0m
MOVE TO HOLE 1:15 - 2:00
DRILL 2:00 - 2:45 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 7/85
OTHER CLAIM 919854 HEARST TOWNSHIP SHIFT 7:30 TO 5:30
MOVE TO NEXT HOLE 2:45 - 5:00 POLLMONE TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER C BOUTERY CONTRACT HOURS

Doug Jamieson

DEPTH Ft / Metres	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	INDICATORS DC	GP	GO
1			0-1.0m brown clay/overburden						
			1.0-10.5m grey clay with silt						
3									
5									
7									
9			10.5m - 13.0m V.f.g. sand - well sorted						
			13.0 - 14.5 silty-till 25% pebbles 10% sand						
11			pebbles: 50% subangular to subrounded mafic volcanics 10% black felsitic subangular meta sediments 10% purple-black angular biotite syenite						
			30% glomeroporphyroblastic, subround-subangular						
13		18890	14.5-15.5 silty stoney till 50% pebbles 10% sand	0	0	0	0	1	0
			pebbles: 50% subangular-subround mafic volcanics 20% black metasediments						
15		18891	5% subangular slaty red felsic volcanics 20% subround granitics	3	0	0	2	3	0
		18613	minor subround pyritic red to grey syenite porphyrys						
17			15.5-16.5 bedrock - dark green mafic volcanic; non-magnetic - no reaction to 10% HCl						
19									
			16.5m E.O.H.						
21									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY: SUDBURY CONTACT — HOLE No. DLO-6
CONTRACTOR: HEATH & SHERWOOD — LOCATION: 5327000N 592440 E (UTM)
DRILLER: KERRY LAPOSTI — BIT No. CB70696 — BIT FOOTAGE: 29.0m - 51.5
MOVE TO HOLE: 11:45 - 12:30
DRILL: 12:30 - 1:15 — MECHANICAL DOWN TIME:
DRILLING PROBLEMS: — DATE: MAR 7/93
OTHER: CLAIM 919919 McELROY TOWNSHIP — SHIFT: 7:00 TO 5:00
MOVE TO NEXT HOLE: 1:15 - 2:00 PULL/MOVE/S.U. — TOTAL HOURS:
GEOLOGIST: D. JAMIESON — SAMPLER: C. ROUTERY — CONTRACT HOURS:

(signature)

DEPTH: Feet ☐ Metres ☑ — GRAPHIC LOG — SAMPLE No. — DESCRIPTIVE LOG

0 - 3.0 grey clay

3.0 - 5.0 silt w vfg sand and clay beds

5.0 - 8.5 silt/v.f.g. sand

8.5 - 12.5 massive grey clay

12.5 - 18.0 f.g. sand/silt

18.0 - 18.5 silty till - 15% pebbles
pebbles: 90-95% angular to subangular mafic & ultramafic
very minor red syenite porphyry

18.5 - 19.0 ultramafic boulder

19.0 - 19.5 silty sand till 30% pebbles
30% green f.g. sand 40% silt
pebbles: 90% subangular mafic and ultramafics; abundant pyritic pebbles

19.5 - 20.0 stony till/gravel; 10% f.g. green sand matrix; poor definition of bedrock interface due to soft weathered bedrock

20.0 - 22.5 bedrock - aphanitic dark green to black pyritic ultramafic? non-magnetic no reaction to 10% HCl; possibly a sediment

22.5m E.O.H.

Sample No.		Gold Grains Rad	Gold Grains Mod	Gold Grains Del	Indicator DC	Indicator GP	Indicator GO
18887	*	5	0	0	0	0	0
18888	*	1	2	0	3	3	0
18889	*	1	1	0	0	0	0
18614							

* >50% PY IN CONC WITH MINOR GALENA AND/OR CHALCOPYRITE

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT HOLE No. DLO-7

CONTRACTOR HEATH & SHERWOOD LOCATION 5326760N 592220E (UTM)

DRILLER KARI LIPASTI BIT No. CR 70696 BIT FOOTAGE 14.5m - 29.0m

MOVE TO HOLE 8:00 AM - 10:20

DRILL 10:20 - 11:00 MECHANICAL DOWN TIME

DRILLING PROBLEMS LOST SEAL ON BEDROCK / PULL / MOVE 5' / REDRILL DATE MAR 7/93

OTHER CLAIM 919919 HEARST TOWNSHIP SHIFT 7:00 TO 5:00

MOVE TO NEXT HOLE 11:45 - 12:30 TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER C. ROUTERY CONTRACT HOURS

David Jamieson

DEPTH Feet / Metres	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Def	INDICATORS DC	GP	GO
1			0 - 1.5 no return 1.5 - 4.5 brown sand and silt, minor clay 4.5 - 5.0 f.g., grey, well sorted sand						
3									
5		18885* 18886	5.0 - 6.0 poorly sorted sand and gravel possibly till? ** 30% m.g. sand 30% c.g. sand 30% pebbles 10% f.g. sand	1	0	0	0	0	0
7		18615	6.0 - 6.4 mafic volcanic boulder 6.4 - 6.5 pyrite-rich gravel? 6.5 - 7.5 bedrock - m.g. mafic volcanic with milky white quartz veins non-magnetic ; no reaction to 10% HCl 7.5 E.O.H. * 18885 is from lost hole 5' from this hole						
9			** > 60% PY IN CONC WITH MINOR GALENA						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY: SUDBURY CONTACT HOLE No.: DLO-08
CONTRACTOR: HEATH & SHERWOOD LOCATION: 5327880N 593400E (UTM)
DRILLER: KERRY LAPASTI BIT No.: CB 70695 BIT FOOTAGE: 0m - 22.5m
MOVE TO HOLE: MAR 7
DRILL: 7:30 - 9:45 MECHANICAL DOWN TIME:
DRILLING PROBLEMS: PLUGGED BIT IN CLAYSEAMS IN BEDROCK DATE: MAR 8/93
OTHER: CLAIM 919853 HEARST TOWNSHIP SHIFT: 7:00 TO 5:00
MOVE TO NEXT HOLE: 9:45 - 11:15 PULL/MOVE/SU. TOTAL HOURS:
GEOLOGIST: D. JAMIESON SAMPLER: C. ROUTERY CONTRACT HOURS:

(signature)

DEPTH (Metres)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	GOLD GRAINS Mod	GOLD GRAINS Def	INDICATORS DC	INDICATORS GP	INDICATORS GO
1–5			0 - 2.0m brown clay 2.0 - 5.5m grey clay 5.5 - 7.0m - brown silt - poor return due to clay plugging hoses						
7			7.0m - 18.5m well sorted f.g. grey sand; very minor pebble + clay beds						
9–11			11.5m 1" - 2" sand hardpan possible thin layer of till on bedrock surface						
13–17			18.5 - 18.8 orange f.g. pyritic boulder 18.8 - 22.5 bedrock with numerous clay seams - f.g. to m.g. gabbroic						
17–19		18892	mafic volcanic with minor qtz vein - no reaction of chips to 10% HCl - weakly magnetic 22.5 E.O.H.	* 1	0	1	0	1	0
21		18616	* 25% PY IN CONC						

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REVERSE CIRCULATION DRILL HOLE LOG Pg 1

COMPANY SUDBURY CONTACT HOLE No. DLO-9
CONTRACTOR HEATH & SHERWOOD LOCATION 5327380N 594200E (UTM)
DRILLER KARI LIPASTI BIT No. CB 70695 BIT FOOTAGE 22.5m - 73.5m
MOVE TO HOLE 9:45 - 11:15
DRILL 11:15 - 4:00 MECHANICAL DOWN TIME
DRILLING PROBLEMS RODS TIGHT/POOR RETURN; ADD POLYDRILL AND DATE MAR 8/93
OTHER PULL RODS AT 50.0m CLAIM 1146425 HEARST TWP SHIFT 7:00 TO 5:00
MOVE TO NEXT HOLE LEAVE MACHINE ON HOLE TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER C. POWERY CONTRACT HOURS

David Jamieson

DEPTH (metres)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	INDICATORS					
							DC	GP	GO
1			0 - 1.5m organic; minor brown clay						
			1.5 - 11.0m grey clay; minor sand						
3			11.0 - 14.0m v.f.g sand/silt; minor clay beds						
5									
7									
9			14.0 - 18.0m f.g. - m.g well sorted sand						
			18.0 - 21.0m f.g. - c.g sand; moderately sorted; stratified						
11									
13			21.0 - 22.5m m.g moderately sorted sand; minor pebbles						
15			22.5 - 25.5m stratified f.g. to m.g. sand with several pebble layers						
17			pebbles: 50% volcanics 50% granitics generally subrounded to subangular				4	4	0
19		18893	25.5 - 28.5m m.g. sand well sorted no pebbles						
21									
23		18894	28.5 - 31.5m f.g - m.g. sand; very minor pebbles; stratified with v.f.g to f.g. sand.				3	12	0

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY _____ HOLE No. DLO-9

CONTRACTOR _____ LOCATION _____

DRILLER _____ BIT No. _____ BIT FOOTAGE _____

MOVE TO HOLE _____

DRILL _____ MECHANICAL DOWN TIME _____

DRILLING PROBLEMS _____ DATE _____

OTHER _____ SHIFT _____ TO _____

MOVE TO NEXT HOLE _____ TOTAL HOURS _____

GEOLOGIST _____ SAMPLER _____ CONTRACT HOURS _____

DEPTH Feet ☐ Metres ☑	GRAPHIC LOG	SAMPLE No.	DESCTRIPTIVE LOG	INDICATORS					
							DC	GP	GO
23		18893					4	4	0
		18894					3	12	0
25									
27		18895	31.5 - 42.0m f.g. well sorted sand; very minor pebbles				0	5	0
29		18896					0	1	0
31									
33		18897					0	0	0
35		18898					1	0	0
37									
39		18899					0	0	0
41		18900					2	1	0
43		18901	42.0 - 43.5m gravel w/ FL sand lenses; cobbly; pebbles 75% volcanics; pebble sample 18901; several py cubes				1	0	0
		18902					5	5	0
45		18903					2	5	0

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY _____ HOLE No. DLO-9

CONTRACTOR _____ LOCATION _____

DRILLER _____ BIT No. _____ BIT FOOTAGE _____

MOVE TO HOLE _____

DRILL _____ MECHANICAL DOWN TIME _____

DRILLING PROBLEMS _____ DATE _____

OTHER _____ SHIFT _____ TO _____

MOVE TO NEXT HOLE _____ TOTAL HOURS _____

GEOLOGIST _____ SAMPLER _____ CONTRACT HOURS _____

DEPTH Metres	GRAPHIC LOG	SAMPLE No.	DESCTRIPTIVE LOG	INDICATORS DC	GP	GO
		18902	43.5 - 44.5m poorly sorted sand and gravel; 70% pebbles; cobbly; 30% f.g - m.g sand pebble sample 18902 several py cubes	5	3	0
45		18903		4	10	0
		18904		19	25	0
		18905				
47		18906				
		18907	44.5 - 45.5m boulder - f.g pinkish red syenite?	1	4	0
49		18617	45.5 - 46.2m sandy till; fg-m.g. grey gre. sand matrix (60%) pebbles: 70% subangular mafic volcanics 20% granitics 10% red syenite, porphyry, schists			
51			46.2 - 47.0m intermediate volcanic boulder			
53			47.0 - 48.4m sandy till - 10% pebbles, minor silt. pebble sample 18906			
			48.4 - 49.2m very sandy till (stratified?) <5% pebbles; 10-15% c.g. sand 50% m.g. sand 10% f.g. sand			
55			49.2 - 51.0m bedrock - gtz - chlorite alteration with 10-15% pyrite; small sample due to lack of return altered diorite?			

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT HOLE No. DLO-10
CONTRACTOR HEATH & SHERWOOD LOCATION 5327680N 591660E (UTM)
DRILLER KERRY LAPASTI BIT No. CB 20695 BIT FOOTAGE 80.0-84.5m
MOVE TO HOLE 10:45 - 11:15
DRILL 11:15 - 11:30 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 9/93
OTHER CLAIM 979566 McELROY TOWNSHIP SHIFT 7:00 TO 5:00
MOVE TO NEXT HOLE 11:30 - 12:45 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER C. ROWERY CONTRACT HOURS

Dave Jamieson

DEPTH Feet ☐ Metres ☑	GRAPHIC LOG	SAMPLE No.	DESCTRIPTIVE LOG	Gold GRAINS Rnd	Mod	Def	INDICATORS DC	GP	GO
1		18912	0-1.5 gravelly bouldery till	0	0	0	0	0	0
3		18618	1.5-4.5 soft, carbonatized dark green [illegible]; moderately magnetic; moderate reaction of -18mesh to 10% HCl						
5									
7									
9									
11									
13									
15									
17									
19									
21									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT HOLE No. DLO-93-11
CONTRACTOR HEATH & SHERWOOD LOCATION 5327420N 597080E
DRILLER GEORGE DUDGEON BIT No. CB70770 BIT FOOTAGE 0m-44.0m
MOVE TO HOLE 7:30 - 8:30
DRILL 8:30-12:00 MECHANICAL DOWN TIME
DRILLING PROBLEMS DID NOT ACHIEVE BEDROCK DUE TO SQUEEZING SAND DATE July 8/93
OTHER CLAIM 1146425 HEARST TOWNSHIP SHIFT 7:30 TO 5:30
MOVE TO NEXT HOLE MOVE 10' + DRILL DLO-11A 12:00 - 12:45 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER G. WHYTE CONTRACT HOURS

David Jamieson

DEPTH (Metres)	SAMPLE No.	DESCRIPTIVE LOG	DC	GP	GO
23	17572	0-0.5m organics 0.5m-3.0m v.f.g. sand 3.0-21.5m grey clay/v.f.g. sand/silt			
25		21.5-28.0m 10-30% m.g. to c.g. sand 70-90% v.f.g. sand/silt/clay			
27		balls of v.f.g. silt - rods easily plugged with packing sand			
29	17573	28.0-32.0m 30-40% m.g.-c.g. sand 25% fine pebbles			
31		30% v.f.g.-f.g. sand 32.0-37.0m 70-90% v.f.g. sand/silt 10-30% f.g.-m.g. sand	1	1	1
33		37.0-38.0m stratified silt/v.f.g. sand with m.g. sand lenses + minor pebbles			
35		38.0-39.5m rusty dark brown boulder hornblende syenite? sample chips			
37	NO SAMPLE	39.5-43.0m cobbly, bouldery till 10-15% dark grey green			
39	BOULDER	sand; sample pebble/chips (8017) pebbles: 65% pink, black, grey ultramafics/syenites/diorites (pyritic)			
41	17574	25% green volcanics 10% granitics	0	0	0
43	17575 18700	43.0-44.0 clay gravel? poor return - pull rods - plugged burned bit in clay/bedrock Attempt to redrill hole unsuccessfully 44.0m E.O.H.	3	18	0
45					

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact HOLE No. DLO-93-12
CONTRACTOR Heath & Sherwood LOCATION 5327450N 593800E
DRILLER George Dudgeon BIT No. QD BIT FOOTAGE
MOVE TO HOLE 7:30 - 8:30
DRILL 8:30 - 10:30 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE July 10/93
OTHER Claim 1146425 Hearst Township SHIFT 7:30 TO 5:30
MOVE TO NEXT HOLE 10:30 walk machines to Moose Head/Roto TOTAL HOURS
GEOLOGIST D. Jamieson SAMPLER G. White CONTRACT HOURS

Dawn Jamieson

DEPTH in Metres	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Pmd	Md	Del	INDICATORS DC	GP	GO
31			0 - 7.5m firm, grey clay						
			7.5 - 15.5m silt/clay						
33			15.5 - 16.5m tan-brown clay with minor pebbles						
			16.5 - 44.0m grey silt/clay/ v-f.g. sand; minor f.g to m.g. sand.						
35									
37									
39									
41									
43			44.0 - 45.0m angular gravel, mainly bedrock, with 10-15% grey black sand.						
		17591		0	0	0	0	4	1
45			45.0 - 49.0m dark green black f.g.-m.g.						
47		18693	ultramafic; strongly magnetic, no reaction to 10% HCl.						
49			49.0m E.O.H						
51									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact HOLE No. DLO-93-11A
CONTRACTOR Heath & Sherwood LOCATION 5327410N 597080E
DRILLER George Dudgeon BIT No. CB70770 BIT FOOTAGE 43.0-92.0m
MOVE TO HOLE 12:00 - 12:45
DRILL 12:45 - 3:15 MECHANICAL DOWN TIME
DRILLING PROBLEMS Slow drilling through vfg. sand/silt material DATE July 8/1993
OTHER Claim 1146425 Hearst Township SHIFT 7:30 TO 5:30
MOVE TO NEXT HOLE Move off hole toward Cheminis Lumber TOTAL HOURS
GEOLOGIST D. Jamieson SAMPLER G. White CONTRACT HOURS

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	INDICATORS DC	GP	CO
31			0-5.0m silty clay			
33			5.0-22.0m silt/vf.g. sand; balls of vfg sand when using polydrill			
			22.0-38.0m silt/vfg sand with minor m.g. to c.g. sand; clay seams			
35			38.0-40.0m c.g. sand with minor pebbles and clay seams			
37			40.0-45.5m stoney, reworked? till 10-15% f.g.-m.g. dk grey sand; minor boulders + clay seams			
39			pebbles: 60-70% mafic intermediate volcanics (Blake River + Fingerrib?) 20% granitics/gabbros 10% pyritic orange syenites 10% pyritic purple-black syenite?			
41		17576		0	10	3
43		17577	45.5-49.0m purple-black syenite 2-3% pyrite gives way to green, chloritized syenite; soft, altered.	9	13	1
45		17578	49.0 E.O.H	2	7	2
47		18692				
49						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact HOLE No. DLO-93-13
CONTRACTOR Heath & Sherwood LOCATION 5327600N 597140E
DRILLER George Dudgeon BIT No. CB 70762 CB 70763 BIT FOOTAGE 0-37.4m 0-15.1m
MOVE TO HOLE 7:30-10:30
DRILL 10:30-3:45 MECHANICAL DOWN TIME REPAIR AIR BRAKES 3:45-5:30
DRILLING PROBLEMS USE POLY DRILL FROM TOP OF HOLE TO 9.5m DATE July 7, 1993
OTHER CLAIM 1146425 HEARST TOWNSHIP SHIFT 7:30 TO 5:30
MOVE TO NEXT HOLE PULL RODS & REPLACE BIT AT 37.4m TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER G. WHYTE CONTRACT HOURS

D. Jamieson

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	GOLD GRAINS Mod	GOLD GRAINS Ang	INDICATORS DC	INDICATORS GP	INDICATORS GO
0			0-0.5m road bed						
			0.5-5.5m f.g.-m.g. well sorted sand						
			5.5-9.5m cobbly gravel; v.f.g. sand balls (rusty!) pebbles: 30% black mafic volcanics						
			30% intermediate volcanics 15% rusty chips (pyritic alt- ered syenite?) 20% granitics 5% white quartz						
		17560	9.5-13.5m m.g.-c.g. moderately sorted sand with layers of cobbly gravel; abundant rusty syenite chips with quartz	2	0	0	2	4	0
			13.5-15.0m m.g. to c.g. sand						
		17561	15.0-18.0m m.g. sand with pebble layers						
			18.0-22.5m clean, well sorted gravel with m.g.-c.g. sand layers						
		17562	22.5-28.5m poorly sorted sand and gravel with m.g. sand lenses. 15-25% altered volcanic schist and intrusive pebbles						
		17563		0	0	1	6	12	3

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY _____ HOLE No. DLO-93-13 pg 2

CONTRACTOR _____ LOCATION _____

DRILLER _____ BIT No. _____ BIT FOOTAGE _____

MOVE TO HOLE _____

DRILL _____ MECHANICAL DOWN TIME _____

DRILLING PROBLEMS _____ DATE _____

OTHER _____ SHIFT _____ TO _____

MOVE TO NEXT HOLE _____ TOTAL HOURS _____

GEOLOGIST _____ SAMPLER _____ CONTRACT HOURS _____

DEPTH (metres)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS: Rnd	Mod	Ang	INDICATORS: PC	GP	GO
23		17563							
25		17564	28.5 - 34.5 poorly sorted sandy gravel with m.g - c.g. sand lenses; abundant mafic to intermediate cobbles between 28.5 - 31.5m; well rounded	0	0	0	2	4	1
27			Clean gravel between 33.5 - 34.5m						
29		17565	34.5 - 36.0 m boulders + cobbles in f.g. 5-10% sand; mafic to intermediate volcanics, gabbro and rusty syenite boulders	0	0	1	0	2	0
31			36.0 - 38.7m clean bouldery moderately sorted gravel. abundant gabbro/ syenite chips including red and grey syenite porphyry, diorite and epidotized ultramafic boulders	0	0	0	5	5	1
33		17566							
35		17567	38.7 - 40.5m m.g. - c.g. sand w/ f.g. gravel / cobble layers; well sorted						
37		17568	40.5 - 47.5m poor return, plugging rods	0	0	0	1	1	1
		17569	Silty v.f.g. to f.g. sand with minor grey clay balls	0	0	0	2	1	0
39		17570		* 0	0	0	3	5	0
41									
43									
45									

* 5-10 ang grains

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY _____ HOLE No. DLO-93-13 pg 3

CONTRACTOR _____ LOCATION _____

DRILLER _____ BIT No. _____ BIT FOOTAGE _____

MOVE TO HOLE _____

DRILL _____ MECHANICAL DOWN TIME _____

DRILLING PROBLEMS _____ DATE _____

OTHER _____ SHIFT _____ TO _____

MOVE TO NEXT HOLE _____ TOTAL HOURS _____

GEOLOGIST _____ SAMPLER _____ CONTRACT HOURS _____

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Red	GOLD GRAINS Mod	GOLD GRAINS Def	INDICATORS DC	INDICATORS GP	INDICATORS GO
45			47.5 - 48.5m m.g. sand lenses with minor pebbles in f.g. sand 48.0 - 48.5 pyritic, sheared gabbro pebbles and gravel (pebble sample)						
47		17571		C	C	C	C	2	C
49		18694	48.5 - 52.5m BEDROCK - dark green to black f.g. massive mafic volcanic clay seams with local shearing (serpentine) and quartz veining; minor py moderate to strong reaction to 10% HCl						
51									
53			52.5m E.O.H.						
55									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY: SUDBURY CONTACT HOLE No.: DLO-93-14
CONTRACTOR: HEATH & SHERWOOD LOCATION: 5327600 N 597000 E
DRILLER: GEORGE DUDGEON BIT No.: CR 70772 BIT FOOTAGE: 0m - 46.5m
MOVE TO HOLE: 7:30 - 8:00
DRILL: 8:00 - 11.00 MECHANICAL DOWN TIME:
DRILLING PROBLEMS: DATE: July 9/93
OTHER: CLAIM 1146425 HEARST TOWNSHIP SHIFT: 7:30 TO 5:30
MOVE TO NEXT HOLE: 11:10 - 11:45 TOTAL HOURS:
GEOLOGIST: D. JAMIESON SAMPLER: G. WHITE CONTRACT HOURS:

DEPTH (Metres)	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rd	GOLD GRAINS Md	GOLD GRAINS Dl	INDICATORS DC	INDICATORS GP	INDICATORS GO
13		0 - 12.0m grey-brown clay/silt 12.0 - 14.5m silt/v.f.g. sand; minor pebbles/c.g. sand						
15	17579	14.5 - 16.5m moderately sorted, stratified sand and gravel; several mafic + granitic boulders	1	0	0	2	7	2
17	17580	16.5 - 18.5m as above with fewer boulders	0	0	0	2	3	0
19	17581	18.5 - 21.0m m.g.-c.g. moderately sorted sand with pebble layers 21.0 - 22.5m stratified sand and gravel	0	0	0	0	6	1
21	17582	m.g.-c.g. sand with 5% rusty qtz-carb pebbles + 5% syenite? pebbles ? 22.5 - 28.5m cobbly c.g. sand and gravel	5	2	1	3	12	0
23–25	17583	with felsic, granitic + gabbroic cobbles	1	0	0	2	0	0
27	17584	28.5 - 29.5m boulders 29.5 - 30.0m c.g. sand 30.0 - 37.5 m.g.-c.g. well sorted sand with? pebble layers and cobbles	0	0	0	0	7	0
29–31								
31–35	17585		0	0	1	0	2	0

Depth scale: 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35 (graphic log column shows gravel, sand and boulder symbols).

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY ______ HOLE No. DLO-93-14 pg 2

CONTRACTOR ______ LOCATION ______

DRILLER ______ BIT No. ______ BIT FOOTAGE ______

MOVE TO HOLE ______

DRILL ______ MECHANICAL DOWN TIME ______

DRILLING PROBLEMS ______ DATE ______

OTHER ______ SHIFT ______ TO ______

MOVE TO NEXT HOLE ______ TOTAL HOURS ______

GEOLOGIST ______ SAMPLER ______ CONTRACT HOURS ______

DEPTH Feet ☐ Metres ☐	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	GOLD GRAINS Mod	GOLD GRAINS Del	INDICATORS DC	INDICATORS GP	INDICATORS GO
35		37.5-42.5m vfg. sand/silt with minor pebbles						
37	17585	42.5-43.0m bouldery sand and gravel mainly purple-black ultramafic syenite with minor pyrite; pink granite/syenite possibly moly along fractures; pebble sample						
39–41		43.0-46.5m BEDROCK purple-black ultramafic syenite; strong reaction to 10% HCl; trace to 5% sulphides. qtz vein at 46.0m; separate sample of quartz vein - no visible sulphides. minor to moderate chlorite alteration of bedrock						
43	17586	46.5m E.O.H.	2	0	0	0	1	0
	18695							
45	18696							
	18697							
47								

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY: Sudbury Contact
HOLE No.: DLO-93-15
CONTRACTOR: Heath & Sherwood
LOCATION: 5327760N 593840E
DRILLER: George Dudgeon
BIT No.: CB70772 / CB70773 (2nd hole)
BIT FOOTAGE: 46.5 - 74.0m / 0 - 28.0
MOVE TO HOLE: 11:00 - 11:45
DRILL: 11:45 - 3:30
MECHANICAL DOWN TIME:
DRILLING PROBLEMS:
DATE: July 9, 1993
OTHER: Claim 1151517 Hearst Township
SHIFT: 7:30 TO 5:30
MOVE TO NEXT HOLE: Pull Rods Move off hole
TOTAL HOURS:
GEOLOGIST:
SAMPLER:
CONTRACT HOURS:

[signature]

DEPTH (Metres)	GRAPHIC LOG	SAMPLE No.	DESCTRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Del	INDICATORS DC	GP	GO
7, 9			0 - 9.0m vfg sand/silt 9.0 - 13.5m f.g. to c.g. sand with minor pebbles. % pebbles increasing with depth pebbles: generally small, rounded to subangular 40% volcanics (mafic to intermediate)						
11, 13		17587	40% granitics/gabbros 20% syenites/brown schists/seds/qtz-carbonate 13.5 - 24.0m m.g.-c.g. sand 25% pebbles poorly sorted						
15, 17		17588	pebbles: 50% felsic to mafic volcanics (Blake River?) 30% granites/gabbros 20% brown altered schists/seds; grey & red syenite, porphyry 24.0 - 25.0 f.g.-m.g. well sorted sand	1	0	0	2	8	3
19		17589	25.0 - 27.5m f.g pink granite/syenite boulder/bedrock; minor py. green to red staining locally. hard - slow drilling 27.5 Abandon hole due to loss of bit; move forward 15' to redrill possibly	1	0	0	2	7	1
21, 23		17590	avoiding boulder Hole 15A 24.5m - 25.0m red syenite porphyry boulder						
25		18698	25.0 - 27.0m Bedrock - purple black						
27, 29		18699	syenite, 1-2% py, moderate reaction to HCl 27 - 28m light green qtz-chlorite shear zone; 1-2% f.g. py; no reaction to 10% HCl						

28.0m E.O.H.

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT MINES LTD HOLE No. DLO-94-16

CONTRACTOR HEATH & SHERWOOD LOCATION 5327383N 597235E

DRILLER DWIGHT GIBSON BIT No. CB 70824 NEW SDS BIT FOOTAGE 0 - 36.0m

MOVE TO HOLE 7.00 - 7:45

DRILL 7:45 - 11:30 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE FEB 27/94

OTHER CLAIM 1146425 HEARST TWP SHIFT 7:00 AM TO 5:00 PM

MOVE TO NEXT HOLE 11:30 - 12:30 TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

DEPTH M	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Del	KIMBERLITE INDICATORS DC	GP	GO
21			0 - 1.0m organics 1.0 - 2.0m brown clay						
23									
25			2.0 - 10.5m grey clay 10.5m - 13.5m silt with clay layers						
27									
29			13.5 - 32.5m f.g. - m.g. sand, moderately sorted; local layers of c.g. sand						
31									
33		3794 19725	32.5 - 33.0m boulder - mafic volcanic 33.0 - 33.3m gravel/boulders - minor sand	0	0	0	0	0	0
35			33.3 - 36.0m Bedrock - alternating layers of pyritic, altered syenite or f.g. granite and pyritic chloritic ultramafic flows/schists						
37			36.0m E.O.H.						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd HOLE No. DLO-94-17
CONTRACTOR Heath & Sherwood LOCATION 5327438N 597221E
DRILLER Dwight Gibson BIT No. CB 70875 BIT FOOTAGE 46.8 - 92.3
MOVE TO HOLE 7:00 - 12:15 Float from LLO-94-22
DRILL 12:15 - 5:30 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE FEB 26/94
OTHER Claim 1146425 Hearst Twp SHIFT 7:00 AM TO 5:00 PM
MOVE TO NEXT HOLE TOTAL HOURS
GEOLOGIST D. Jamieson SAMPLER J. Nickling CONTRACT HOURS

Dave Jamieson

DEPTH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Def	KIMBERLITE INDICATORS DC	GP	GO
			0 - 1.5m organics						
13			1.5 - 9.0m grey clay						
25			9.0 - 12.0m silt with minor v.f.g. sand and minor clay						
27			12.0 - 28.5m m.g. well sorted grey sand with minor clay and pea gravel; c.g. sand layers with minor pebbles at 16.0m, 17.5m, 19.5m, and from 20.0m to 21.2m						
31			28.5 - 42.4m c.g. sand with pebble layers and stratified with minor f.g. - m.g. sand layers; well to moderately sorted.						
33									
35			42.4 - 43.4m gravel - well sorted with up to 5% sand locally pebbles: 50% intermediate to mafic volcanics						
37			30% granitics						
39			15% purple-black pyritic syenite						
			5% felsic volcanics						
41			43.4 - 45.5m Bedrock - dark green very chloritic mafic to ultra mafic volcanic: 1-2% f.g. pyrite						
43		3793	local zones of m.g. euhedral pyrite mins albite/K-spar veinlets; non-magnetic.	3	1	0	0	3	0
		19749							
45		19750	45.5 E.O.H.						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd. HOLE No. DLO-94-18

CONTRACTOR Heath & Sherwood LOCATION 5327473N 597174E

DRILLER Dwight Gibson BIT No. CR70825 BIT FOOTAGE 49.7-98.7m

MOVE TO HOLE 12:30-1:15

DRILL 1:15-4:30 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE FEB 28/94

OTHER CLAIM 1146425 HEARST TWP SHIFT 7:00AM TO 5:00PM

MOVE TO NEXT HOLE 4:30-5:00 TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

Dave Jamieson

GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG
		0-1.5m organics
		1.5-12.0m grey clay
		12.0-45.6m f.g. grey sand; well sorted
		45.6-49.0m - Bedrock - several rock types present 75% f.g. dark green to black chloritic ultramafic moderately magnetic ultramafic flow; moderate reaction to 10% HCl 15% medium green mafic volcanic 5% salmon orange f.g. granite 5% dk red-purple syenite with 1-2% py
		NO SAMPLES
	19732	49.0m E.O.H.

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT MINES HOLE No. DLO-94-19

CONTRACTOR HEATH & SHERWOOD LOCATION 5327511N 597130E

DRILLER DWIGHT GIBSON BIT No. CB70825 BIT FOOTAGE 98.7 - 144.2m

MOVE TO HOLE 4:30 - 5:00 FEB 28

DRILL 7:15 - 12:00 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE MAR 1/94

OTHER CLAIM 1146425 HEARST TWP SHIFT 7:00AM TO 5:00 PM

MOVE TO NEXT HOLE FLOAT TO MISEMA WEST TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

Darcy Jamieson

DEPTH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	KIMBERLITE INDICATORS DC	GP	GO
31			0 - 1.5m organics 1.5 - 10.5m clay 10.5 - 16.5m silt with clay layers						
33									
35			16.5 - 40.8m m.g. sand, minor pebbles with c.g. sand lenses and pebble lenses at 22.5m 32.0m						
37									
39			40.8 - 41.4m reworked till 30-40% m.g. to c.g. sand						
41		3803	41.4 - 41.8m volcanic boulder 41.8 - 42.2m C.g. sand and cobbles 42.2 - 44.4m V.f.g. - f.g. sand	3	0	0	1	2	1
43			44.4 - 44.8m volcanic boulder 44.8 - 45.4m m.g. sand						
45		19748	45.4 - 46.5m Bedrock - f.g. ultramafic Hbl; strongly magnetic; moderate to strong reaction to 10% HCl.						
47			46.5 E.O.H.						
49									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd HOLE No. DLO-94-20
CONTRACTOR Heath & Sherwood LOCATION 5327496N 597046E
DRILLER Dwight Gibson BIT No. CB 70825 BIT FOOTAGE 0 - 49.7m
MOVE TO HOLE 8:00 - 9:00
DRILL 10:00 - 12:30 MECHANICAL DOWN TIME 9:00-9:30; 9:30-10:00 WAIT FOR WATER
DRILLING PROBLEMS DATE FEB 28/94
OTHER CLAIM 1146425 HEARST TWP SHIFT 7:00AM TO 5:00PM
MOVE TO NEXT HOLE 12:30 - 1:15 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

Dawn Jamieson

DEPTH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Prd	Mod	Del	KIMBERLITE INDICATORS DC	GP	GO
			0-1.5m organics						
31			1.0-5.5m grey clay						
			5.5-7.5m silt with m.g. sand						
33			7.5-12.0m m.g. sand with minor clay seams and pebble beds.						
35			12.0-47.8m m.g.-c.g. sand with minor pebbles.						
37			47.8-48.5m bouldery/cobbly till; 40% grey medium grained sand						
39			pebbles: 30% mafic volcanics						
41			20% granites						
			20% salmon orange felsic intrusive						
43			30% purple-black to grey pyritic syenite.						
45			48.5-49.7m Bedrock - dark green chloritic ultramafic, strongly magnetic						
47			massive; trace pyrite; moderate reaction to 10% HCl.						
		3802							
49		19733 19734	49.7m E.O.H.	2	0	0	*0	1	0
51			* 2 ilmenites						
53									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd HOLE No. DLO-94-21
CONTRACTOR Heath & Sherwood LOCATION 5327461N 597019E
DRILLER Dwight Gibson BIT No. CB 70824 BIT FOOTAGE 36.0-
MOVE TO HOLE 11:30 - 12:30
DRILL 12:30 - 4:45 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE FEB 27/94
OTHER CLAIM 1146425 HEARST TWP SHIFT 7:00AM TO 5:00PM
MOVE TO NEXT HOLE TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

D. Jamieson

GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	KIMBERLITE INDICATORS DC	GP	GO
		0-4.5m grey clay						
		4.5-7.5m silt w/ 1% min clay and f.g. sand						
		7.5-53.5m m.g. sand; well sorted with minor clay layers and pebbles						
		53.5-55.0m boulder - mafic volcanic 1-2% py						
		55.0-59.0 stratified reworked till possibly poorly sorted sand and gravel layers; local heavy sand return						
		50% f.g.-c.g. sand						
		pebbles: 40% mafic volcanics						
		40% granitics						
		20% orange to purple-black						
	3795	Porphyritic syenite (pyritic)	7	0	1	3	4	0
	3796	minor red syenite porphyry	5	5	0	*12	23	0
	3797		5	0	0	7	10	0
	3798	59.0-61.5m Bedrock - salmon	10	0	1	10	12	0
	3799	orange felsic intrusive; trace to	3	0	1	1	5	0
	3800	1% m.g. pyrite, chloritic fractures	7	0	0	7	5	0
	3801		10	2	1	11	18	0
	19747							
		61.5m E.O.H.						
		* 1 ilmenite						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd HOLE No. DLO-94-22
CONTRACTOR Heath & Sherwood LOCATION 5330125N 595000E
DRILLER Dwight Gibson BIT No. CB 70845 BIT FOOTAGE 83.7-96.7m
MOVE TO HOLE 1:00-1:15
DRILL 1:15-2:00 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 22/94
OTHER CLAIM L-1151867 McVittie Twp SHIFT TO
MOVE TO NEXT HOLE 2:00- TOTAL HOURS
GEOLOGIST D. Jamieson SAMPLER J. Nickling CONTRACT HOURS

Dave Jamieson

DEPTH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	KIMBERLITE INDICATORS DC	GP	GO
1			0-7.5m clay						
3									
5			10.5-11.2m sandy till 60% f.g. sand pebbles: 75% mafic volcanics 15% granitics 10% yellow sericite schist						
7									
9			11.2-13.0m Bedrock - yellow quartz-sericite schist; moderately sheared; 20% interminthat white to grey quartz veining; trace v.f.g. pyrite; non magnetic; no reaction to 10% HCl.						
11		3942		11	0	0	1	1	0
13		19769	13.0m E.O.H.						
15									
17									

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd. HOLE No. DLO-94-22A
CONTRACTOR Heath & Sherwood LOCATION 5329950N 595025E
DRILLER Dwight Gibson BIT No. CB 70045 BIT FOOTAGE 74.7-83.7m
MOVE TO HOLE 12:15 - 12:25
DRILL 12:25 - 1:00 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 22/94
OTHER CLAIM L. 1151867 M'Vittie Twp. SHIFT 7:00AM TO 5:00PM
MOVE TO NEXT HOLE 1:00 - 1:15 TOTAL HOURS
GEOLOGIST D. Jamieson SAMPLER J. Nickling CONTRACT HOURS

Dave Jamieson

DEPTH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Del	KIMBERLITE INDICATORS DC	GP	GO
			0 - 1.0m organics						
1			1.0 - 7.0m grey clay						
3									
			7.0 - 7.4m sandy till						
5			30% f.g. sand						
			40% m.g. - c.g. sand						
7		3941	30% pebbles						
			pebbles: 60% matic volcanics	9	3	0	2	2	0
			20% granitics						
		19768	10% yellow sericite schist						
9			10% brown schist						
			7.4 - 9.0m Bedrock - yellow quartz - sericite schist with 20% grey quartz with trace to 1% v.f.g. PY; molybdenite -						
11			graphite in quartz; non-magnetic;						
13			no reaction to 10% HCl.						
			9.0m E.O.H.						

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REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd HOLE No. DLO-94-23A

CONTRACTOR Heath & Sherwood LOCATION 5329950N 59[illegible]775E

DRILLER Dwight Gibson BIT No. CB 70845 BIT FOOTAGE 64.2-74.7m

MOVE TO HOLE 11:30-11:45

DRILL 11:45-12:15 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE MAR 22/94

OTHER CLAIM L. 115867 McVittie Twp SHIFT 7.00 AM TO 5:00 PM

MOVE TO NEXT HOLE 12:15-12:25 TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

Dave Jamieson

SPOON	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS			KIMBERLITE INDICATORS		
				Rnd	Mod	Ang	DC	GP	GO
			0-5.0m brown-grey clay						
			5.0-8.5m silt with minor clay						
		3940	8.5-9.5m sandy till	3	0	0	0	2	0
		19770	70% f.g.-m.g. grey sand pebbles: 30% yellow sericite schist 30% grey schists 20% graphitic quartz 15% mafic volcanics 5% felsic volcanics						
			9.5-10.5m Bedrock - yellowish quartz sericite schist, minor quartz trace py; non-magnetic; no reaction to 10% HCl.						
			10.5m E.O.H						

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TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines HOLE No. DLO-94-23
CONTRACTOR Heath & Sherwood LOCATION 5329950N 594500E
DRILLER Dwight Gibson BIT No. CR 70845 BIT FOOTAGE 53.7-64.2m
MOVE TO HOLE 10:30 - 10:45
DRILL 10:45 - 11:30 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 22/94
OTHER Claim L. 1151868 McVittie Twp. SHIFT 7:00AM TO 5:00PM
MOVE TO NEXT HOLE 11:30 - 11:45 TOTAL HOURS
GEOLOGIST D. Jamieson SAMPLER J. Nickling CONTRACT HOURS

David Jamieson

DEPTH (et str)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	KIMBERLITE INDICATORS DC	GP	GO
			0 - 1.0 m organics						
1			1.0 - 2.0m clay						
3			2.0 - 8.6m silt						
5			8.6 - 8.8m gravel/washed till - mica sand						
7			8.8 - 10.5m Bedrock - yellow sericite schist with stringers of grey quartz (chlorite-graphite inclusions) trace f.g. Py; non-magnetic	2	0	0	0	0	0
9		3939							
		19771	10.5m E.O.H.						
11									
13									

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TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines HOLE No. DLO-94-24

CONTRACTOR Heath & Sherwood LOCATION 5329950 N 594200E

DRILLER Dwight Gibson BIT No. CB70845 BIT FOOTAGE 43.2-53.7

MOVE TO HOLE 9:15-9:30

DRILL 9:30-10:30 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE MAR 22/94

OTHER CLAIM L. 1151869 McVittie TWP SHIFT 7:00 AM TO 5:00 PM

MOVE TO NEXT HOLE 10:30-10:45 TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

Dave Jamieson

FRESH	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mach	Del	KIMBERLITE INDICATORS DX	GP	GO
			0-2.0m organics						
			2.0-5.0m light brown clay						
			5.0-9.0m silt with minor clay						
			9.0-9.2m gravel or washed till unit						
			9.2-10.5m Bedrock - moderately sheared, weakly sericitized intermediate volcanic; heavily quartz veined with grey chloritic alteration; malachite? along slips.						
			10.5m E.O.H.						
		3938		0	0	0	0	0	0
		19773							

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TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT MINES LTD HOLE No. DLO-94-24A
CONTRACTOR HEATH & SHERWOOD LOCATION 5329950N 594075E
DRILLER DWIGHT GIBSON BIT No. CR 70845 BIT FOOTAGE 40.2-43.2
MOVE TO HOLE 7:00-8:30
DRILL 8:30-9:15 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 22/94
OTHER CLAIM L.1151869 McVITTIE TWP SHIFT 7:00 AM TO 5:00 PM
MOVE TO NEXT HOLE 9:15-9:30 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

Dave Jamieson

DEPTH of Strip	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang	KIMBERLITE INDICATORS DC	GP	GO
			0-0.5m topsoil/pebbles						
1		3937	0.5-1.0 brown clay	2	0	0	0	0	0
		19772	1.0-1.5 brown oxidized sandy till						
3			pebbles: 75% brown carbonate schist, 20% qtz/granitics, 5% mafic volcanics						
5			1.5-3.0m Bedrock - sericite schist, silver grey, aphanitic (siltstone?) minor quartz, rusty weathering; trace sulphides: non-magnetic no reaction to 10% HCl.						
			3.0m E.O.H.						

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TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines HOLE No. DLO-94-25

CONTRACTOR Heath & Sherwood LOCATION 5327575N 590740E

DRILLER Dwight Gibson BIT No. OLD BIT BIT FOOTAGE

MOVE TO HOLE Float 7:00-8:30; walk machines 8:30-11:00

DRILL 11:00 - 1:15 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE MAR 3/94

OTHER Claim L. 980387 McElroy Twp SHIFT 7:00 AM TO 5.00 PM

MOVE TO NEXT HOLE 1:15 - 2:00 TOTAL HOURS

GEOLOGIST D. Jamieson SAMPLER J. Nickling CONTRACT HOURS

Dave Jamieson

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Del
			0-1.0m no return			
1		3806	1.0-3.0m gravel-bouldery 15-20% f.g.-c.g. grey brown sand; c.g. gabbro, granite chips	1	8	1
3	V V V V	NO SAMPLE		11	1	0
		3807	3.0-3.4m boulder			
5		3808	3.4-4.5m stratified sand; m.g to c.g., moderately sorted 10% gravel	21	2	0
7						
9			4.5-7.2m reworked till - 60-75% grey green sand; f.g. to c.g. weakly stratified cobbly toward 7.2m minor clay balls. pebbles: 40% mafic volcanics 25% granitics 25% gabbro; 10% syenite/felsics	13	0	0
11		3809				
13			7.2-15.0m boulders - purple-red syenites, gabbro, granite cobbles and boulders; numerous clay and sand seams.			
15						
		19774	15.0-16.8m Bedrock - c.g. black gabbro; weakly magnetic; no visible sulphides.			
17						
			16.8m E.O.H.			
19						
21						
23						

W.A.H.UBACHECK CONSULTANTS LTD.
TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY Sudbury Contact Mines Ltd HOLE No. DLO-94-76
CONTRACTOR Heath & Sherwood LOCATION 5327975N 590850E
DRILLER Dwight Gibson BIT No. CB 70878 BIT FOOTAGE 0-4.5m
MOVE TO HOLE 1:15-2:00
DRILL 2:00-3:30 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 3/94
OTHER CLAIM L. 980387 McELROY TWP. SHIFT 7:00 TO 5:00
MOVE TO NEXT HOLE WALK OUT TO HI-WAY 5:30-5:00 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

D. Jamieson

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Ang
1			0-1.0m cobbly gravel ± brown sand			
			1.0-1.5m brown clay with minor sand			
			1.5-2.0m boulders			
3		3810	2.0-3.4m cobbly reworked till?	3	0	0
		19775	10-30% f.g. sand			
			Clasts: 40% mafic volcanics			
			30% granitics			
5			25% red-purple syenite (K-rich) red syenite porphyry and grey syenite porphyry			
			5% felsic volcanics			
9			3.4-4.5m Bedrock - black+white m.g.-c.g. gabbro; very weakly magnetic; weak			
			4.5m E.O.H.			
11						
13						
15						
17						
19						
21						
23						

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TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT MINES HOLE No. DLO-94-27

CONTRACTOR HEATH & SHERWOOD LOCATION 5331140N 591642E 4TM

DRILLER DWIGHT GIBSON BIT No. CR70826 BIT FOOTAGE 30.0 - 37.5m

MOVE TO HOLE 10:30 - 10:45

DRILL 10:45 - 12:00 MECHANICAL DOWN TIME

DRILLING PROBLEMS DATE MAR 2/94

OTHER CLAIM L. 736729 GAUTHIER TWP. SHIFT 7:00 TO 5:00

MOVE TO NEXT HOLE 12:00 - 3:00 WALKCAT OUT (ONR CROSSING) TOTAL HOURS

GEOLOGIST D. JAMIESON SAMPLER J. MCCLUSKY CONTRACT HOURS

David Jamieson

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS			KIMBERLITE INDICATORS		
				Rnd	Mid	Del	DC	GP	GO
1			0 - 3.5m organics 3.5 - 5.8m f.g. grey sand						
3			5.8 - 6.4m gravel - moderately to poorly sorted; 20-25% grey-black f.g. - c.g. sand pebbles: 50% grey schist 20% sericitic felsic volcanic 15% medium green mafic volcanics						
5									
		3805		4	1	0	2	0	0
7		19746	15% granites/quartz						
9			6.4 - 7.5m Bedrock - grey green chlorite, moderately sheared mafic volcanic; mainly grey clay saturated; several milky white quartz veins; mm - magnetic						
11									
13			E.O.H. 7.5m						

W.A.H.UBACHECK CONSULTANTS LTD.
TORONTO, ONTARIO, CANADA

REVERSE CIRCULATION DRILL HOLE LOG

COMPANY SUDBURY CONTACT MINES LTD HOLE No. DLD-94-28
CONTRACTOR HEATH & SHERWOOD LOCATION 5330140N 591642E
DRILLER DUNCAN GIBSON BIT No. C870826 BIT FOOTAGE 7.5-30.0m
MOVE TO HOLE FLOAT 12:30-1:30; WALK-IN 1:30-4:30 MAR1 (CNR CROSSING)
DRILL 8:00-10:30 MECHANICAL DOWN TIME
DRILLING PROBLEMS DATE MAR 2/94
OTHER CLAIM L. 736729 GAUTHIER TWP. SHIFT 7:00 TO 5:00
MOVE TO NEXT HOLE 10:30-10:45 TOTAL HOURS
GEOLOGIST D. JAMIESON SAMPLER J. NICKLING CONTRACT HOURS

D. Jamieson

DEPTH (m)	GRAPHIC LOG	SAMPLE No.	DESCRIPTIVE LOG	GOLD GRAINS Rnd	Mod	Del	KIMBERLITE INDICATORS Dc	GP	GO
1			0-1.5m no return 1.5-2.0m organics 2.0-5.5m grey clay with f.g. sand layers						
3									
5			5.5-16.5m f.g. well sorted grey sand pebble layer at 11.5m; increase in silt after pebble layer						
7									
9			16.5-18.5m moderately sorted gravel 5-10% m.g. to c.g. sand pebbles: 50% grey schist 20% sericitic felsic volcanic or sediments 20% granitics 10% medium green mafic volcanics						
11									
13									
15			18.5-22.5m Bedrock - grey clay balls and grey green rock chips; sample milky white quartz vein material which did not weather to clay; bedrock is a chlorite-sericite schist with deep clay weathering.						
17		3804		1	1	0	*1	4	0
19			22.5m E.O.H						
21		19745	* 1 ilmenite						
23									

APPENDIX C
OVERBURDEN DRILLING MANAGEMENT RESULTS

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

05/09/94
PROJECT: 185
TOTAL OF 24 SAMPLES.
FILENAME: H185TOTK.WR1

SAMPLE DESCRIPTION

SAMPLE NUMBER	WEIGHT (KILOGRAMS) BULK REC'VED	TABLE SPLIT	+2 mm CLASTS	1-2 mm CLASTS	TABLE FEED	SIZE	CLASTS >2.0 mm PERCENTAGE V/S	GR	LS	OT	MATRIX <1.0 mm GRAIN SIZE DISTRIBUTION S/U	SD	ST	CY	COLOUR SAND	CLAY	ORG.	CLASS
185																		
3793	2.70	2.70	0.20	0.20	2.30	C	60	40	0	0	U	Y	Y	Y	GY	GY	N	TILL
3794	0.90	0.90	0.05	0.10	0.75	C	60	40	0	0	& MI SEP.; NO DESCRIPTION							
3795	18.50	10.00	0.15	0.15	9.70	C	100	0	0	0	S	F,M	Y	-	GB	GB	N	SAND
3796	6.30	6.30	0.10	0.70	5.50	C	100	0	0	0	U	+	Y	Y	GB	GB	N	TILL
3797	11.85	10.00	1.10	1.00	7.90	C	85	15	0	0	U	+	Y	-	GB	GB	N	TILL
3798	10.10	10.10	0.75	1.10	8.25	C	90	10	0	0	U	+	Y	Y	B	B	N	TILL
3799	4.95	4.95	0.75	0.50	3.70	C	85	15	0	0	U	+	Y	-	GB	GB	N	TILL
3800	5.15	5.15	0.10	0.55	4.50	C	85	15	0	0	U	+	Y	-	GB	GB	N	TILL
3801	12.00	10.00	0.70	0.85	8.45	C	85	15	0	0	U	+	Y	-	GB	GB	N	TILL
3802	4.95	4.95	0.00	0.20	4.75	NA	NA	NA	NA	NA	U	+	Y	Y	B	B	N	TILL
3803	9.50	9.50	0.00	0.75	8.75	NA	NA	NA	NA	NA	U	Y	Y	Y	B	B	N	TILL
3804	6.10	6.10	0.75	0.95	4.40	C	100	0	0	0	U	Y	Y	Y	B	B	N	TILL
3805	2.90	2.90	0.35	0.35	2.20	C	100	0	0	0	U	Y	Y	Y	GB	GB	N	TILL
3806	4.70	4.70	0.00	0.40	4.30	NA	NA	NA	NA	NA	U	Y	Y	Y	LOC	LOC	N	TILL
3807	3.60	3.60	0.15	0.20	3.25	C	85	15	0	0	U	Y	Y	Y	LOC	LOC	N	TILL
3808	10.95	10.95	0.55	0.70	9.70	C	85	15	0	0	U	Y	Y	Y	GB	GB	N	TILL
3809	13.45	10.00	0.00	0.40	9.60	NA	NA	NA	NA	NA	S	F	-	N	B	NA	N	SAND
3810	2.70	2.70	0.00	0.20	2.50	NA	NA	NA	NA	NA	S	F	-	N	B	NA	N	SAND
3937	2.40	2.40	0.15	0.40	1.85	C	100	TR	TR	0	U	Y	Y	Y	LOC	LOC	N	TILL
3938	1.50	1.50	0.25	0.30	0.95	C	100	0	0	0	& MI SEP.; NO DESCRIPTION							
3939	3.10	3.10	0.75	0.60	1.75	C	100	0	0	0	U	Y	Y	Y	LGN	B	N	TILL
3940	6.10	6.10	1.25	1.00	3.85	C	100	0	0	0	U	Y	Y	Y	LGN	B	N	TILL
3941	5.45	5.45	0.65	0.75	4.05	C	100	0	0	0	U	Y	Y	Y	LOC	LOC	N	TILL
3942	6.60	6.60	0.55	0.85	5.20	C	100	0	0	0	U	Y	Y	Y	GB	GB	N	TILL

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KG.WET)			WEIGHT (GRAMS DRY)					AU		DESCRIPTION													CLASS
						M. I. CONC.	CONC					CLAST					MATRIX							
	TABLE SPLIT	+10 CHIPS	TABLE FEED	TABLE CONC	M.I. LIGHTS	TOTAL	NON MAG	MAG	NO. V.G.	CALC PPB	SIZE	% V/S	% GR	% LS	% OT	S/U	SD	ST	CY	COLOR SD	R CY	OR	
18885	0.3	0.0	0.3	55.1	53.7	1.4	0.4	1.0	0	0	NA	NA	NA	NA	NA	S	F	+	N	B	NA	N	SAND
18886	1.9	0.0	1.9	132.2	110.1	22.1	17.5	4.6	1	11	P	95	5	NA	NA	U	Y	Y	-	GB	NA	N	TILL
18887	3.0	0.1	2.9	230.9	214.3	16.6	11.4	5.2	5	225	C	100	TR	NA	NA	U	Y	Y	-	GB	NA	N	TILL
18888	5.6	0.3	5.3	278.2	189.9	88.3	69.1	19.2	3	228	P	95	5	NA	NA	U	Y	Y	-	GG	NA	N	TILL
18889	2.3	0.0	2.3	216.9	187.0	29.9	26.3	3.6	2	32	P	95	5	NA	NA	U	Y	Y	-	GG	NA	N	TILL
18890	1.7	0.0	1.7	194.6	182.2	12.4	8.6	3.8	0	0	C	20	80	NA	NA	U	Y	Y	Y	GY	GY	N	TILL
18891	4.3	0.4	4.0	326.1	300.4	25.7	21.2	4.5	3	57	P	80	20	NA	NA	U	+	Y	N	GY	NA	N	TILL
18892	2.8	0.0	2.8	220.5	206.1	14.4	9.9	4.5	2	140	P	75	25	NA	NA	U	+	Y	N	GB	NA	N	TILL
18893	7.4	0.0	7.4	359.3	300.6	58.7	50.1	8.6	1	498	NA	NA	NA	NA	NA	U	+	Y	N	GB	NA	Y	TILL
18894	9.0	0.0	9.0	527.9	453.4	74.5	65.2	9.3	2	0	NA	NA	NA	NA	NA	U	Y	-	Y	GB	GB	Y	TILL
18895	8.6	0.0	8.6	473.3	391.3	82.0	71.3	10.7	2	78	NA	NA	NA	NA	NA	S	M	-	N	B	NA	N	SAND
18896	6.4	0.0	6.4	382.1	329.5	52.6	45.7	6.9	1	8	NA	NA	NA	NA	NA	S	M,C	-	N	B	NA	N	SAND
18897	6.4	0.0	6.4	268.7	211.8	56.9	50.3	6.6	1	0	NA	NA	NA	NA	NA	S	F	-	N	B	NA	N	SAND
18898	10.0	0.0	10.0	549.4	456.2	93.2	82.4	10.8	7	54	NA	NA	NA	NA	NA	S	M	-	N	B	NA	N	SAND
18899	10.0	0.0	10.0	530.9	433.2	97.7	88.2	9.5	1	4	NA	NA	NA	NA	NA	S	M	-	N	B	NA	N	SAND
18900	8.7	0.0	8.7	543.6	443.1	100.5	88.7	11.8	3	89	NA	NA	NA	NA	NA	S	M,C	-	N	B	NA	N	SAND
18901	8.8	0.1	8.7	318.7	200.6	118.1	92.1	26.0	1	0	P	90	10	TR	NA	U	+	-	-	GB	GB	N	TILL
18902	4.6	0.1	4.5	297.5	218.3	79.2	54.2	25.0	8	398	P	75	25	TR	NA	U	+	-	-	GG	GG	N	TILL
18903	6.7	0.1	6.7	440.0	335.8	104.2	62.7	41.5	5	96	P	95	5	NA	NA	S	F,M	-	-	GY	GY	N	SAND
18904	2.8	0.1	2.7	337.3	298.5	38.8	29.6	9.2	5	601	C	95	5	NA	NA	S	M	-	N	GB	NA	N	SAND
18905	8.0	0.1	8.0	414.8	319.6	95.2	69.5	25.7	7	130	C	100	TR	NA	NA	S	M	-	-	GB	GB	N	SAND
18906	9.6	0.1	9.6	667.7	571.3	96.4	80.2	16.2	4	48	C	95	5	NA	NA	S	M,C	-	N	GB	NA	N	SAND
18907	2.8	0.0	2.8	382.2	348.4	33.8	29.2	4.6	1	16	NA	NA	NA	NA	NA	S	F	Y	-	GB	GB	N	SAND
18908	4.4	0.1	4.3	494.2	452.0	42.2	34.7	7.5	0	0	C	40	60	NA	NA	S	F,M	-	-	BN	B	N	SAND
18909	3.3	0.1	3.2	379.1	339.9	39.2	31.5	7.7	2	201	C	40	60	NA	NA	S	F,M	-	N	GB	NA	N	SAND
18910	7.3	1.0	6.3	455.8	379.9	75.9	59.2	16.7	1	83	C	60	40	NA	NA	U	+	-	Y	GB	GG	N	TILL
18911	10.9	0.2	10.8	605.3	463.7	141.6	114.1	27.5	9	58	C	80	20	0	NA	U	+	-	Y	GG	GG	N	TILL
18912	2.2	0.0	2.2	479.4	460.7	18.7	6.0	12.7	0	0	NA	NA	NA	NA	NA	S	F	-	-	GN	GG	N	SAND
18913	7.3	0.4	7.0	404.7	343.0	61.7	53.2	8.5	2	73	P	100	TR	0	NA	S	M	N	N	LOC	NA	N	SAND
18914	4.0	0.3	3.7	575.7	544.1	31.6	26.9	4.7	1	3	C	95	5	0	NA	S	F,M	N	-	LOC	LOC	N	SAND
18915	4.4	0.1	4.3	379.0	331.5	47.5	41.6	5.9	1	9	C	100	TR	0	NA	S	M	-	-	B	LOC	N	SAND
18916	0.9	0.1	0.8	215.4	202.9	12.5	10.4	2.1	3	242	P	100	TR	0	NA	S	F	-	-	MOC	MOC	N	SAND
18917	6.6	0.1	6.5	643.0	564.0	79.0	69.8	9.2	5	37	P	95	5	0	NA	U	Y	Y	Y	LOC	LOC	N	TILL

OVERBURDEN DRILLING MANAGEMENT LIMITED

LABORATORY SAMPLE LOG

SAMPLE NO.	WEIGHT (KILOGRAMS)				WEIGHT (GRAMS)				DESCRIPTION													CLASS
						M. CONC.	I. CON NON	C MAG		CLAST %						MATRIX						
	TABLE SPLIT *	+2 MM CHIPS	1-2 MM	TABLE FEED	M.I. LIGHTS	TOTAL	MAG		SIZE	V/S	GR	LS	OT	S/U		SD	ST	CY	COLO SD	R CY	OR	
17560	8.2	0.6	1.3	6.4	291.7	34.6	27.5	7.1	P	85	15	0	NA	S		M,C	-	-	LOC	LOC	N	SAND
17563	10.0	0.2	0.9	9.0	568.6	47.7	39.3	8.4	C	85	15	0	NA	S		M,C	-	-	LOC	LOC	N	SAND
17564	10.0	0.6	1.4	8.1	177.6	50.7	43.0	7.7	C	95	5	0	NA	S		M,C	-	-	LOC	LOC	N	SAND
17565	10.0	0.3	1.0	8.8	191.9	40.8	33.6	7.2	C	95	5	0	NA	S		M,C	-	-	GB	LOC	N	SAND
17566	10.0	0.7	1.7	7.7	309.3	52.9	43.2	9.7	C	85	5	0	NA	S		M,C	-	-	GB	LOC	N	SAND
17568	7.1	0.9	1.5	4.8	76.8	18.1	13.2	4.9	C	85	15	0	NA	S		M,C	-	-	GY	LOC	N	SAND
17569	10.0	0.4	1.7	8.0	193.1	37.5	22.0	15.5	C	85	15	0	NA	S		M,C	-	-	GY	LOC	N	SAND
17570	10.0	0.1	0.4	9.5	277.0	51.7	43.8	7.9	C	95	5	0	NA	S		M,C	-	-	GY	LOC	N	SAND
17571	3.5	0.0	0.1	3.4	121.4	18.5	15.6	2.9	C	100	0	0	NA	S		M,C	-	-	GY	LOC	N	SAND
17573	10.0	0.0	0.0	10.0	244.5	77.8	68.1	9.7	NA	NA	NA	0	NA	S		F	-	-	GY	LOC	N	SAND
17574	6.8	0.0	0.0	6.8	261.3	66.8	58.9	7.9	NA	NA	NA	0	NA	S		F	-	-	GY	LOC	N	SAND
17575	6.9	0.4	0.9	5.7	298.0	76.4	58.3	18.1	C	90	10	0	NA	U		+	-	-	GY	LOC	N	TILL
17576	10.0	0.6	0.8	8.6	223.0	69.3	57.3	12.0	C	90	10	0	NA	U		+	-	-	GY	LOC	N	TILL
17577	9.9	0.4	0.8	8.7	337.5	85.7	64.0	21.7	C	95	5	0	NA	U		+	Y	-	GY	GOC	N	TILL
17578	2.7	0.2	1.3	1.2	162.1	14.6	9.0	5.6	C	95	5	0	NA	U		+	Y	-	GY	LOC	N	TILL
17579	10.0	0.2	0.4	9.4	367.0	49.0	33.9	15.1	C	95	5	0	NA	U		+	Y	-	GB	LOC	N	TILL
17580	5.1	0.0	0.8	4.3	213.7	16.9	13.8	3.1	NA	NA	NA	0	NA	S		M	-	-	GB	GB	N	SAND
17581	10.0	0.0	0.1	9.9	215.4	55.4	46.1	9.3	NA	NA	NA	0	NA	S		F	-	-	B	B	N	SAND
17582	10.0	0.3	0.2	9.6	189.4	48.6	39.3	9.3	C	95	5	0	NA	S		M,F	-	-	B	B	N	SAND
17583	10.0	0.2	0.3	9.6	132.8	31.1	23.9	7.2	C	75	25	0	NA	S		M	-	-	GB	GB	N	SAND
17584	10.0	0.2	0.5	9.3	283.6	29.1	23.2	5.9	C	85	15	0	NA	S		M	N	N	GY	GY	N	SAND
17585	5.7	0.0	0.5	5.2	113.9	22.7	18.6	4.1	NA	NA	NA	0	NA	S		M	-	-	GB	GB	N	SAND
17586	2.2	0.1	0.2	2.0	95.6	16.8	12.3	4.5	C	100	0	0	NA	U		+	Y	-	GB	GB	N	TILL
17589	10.0	0.8	0.1	9.1	151.6	46.9	36.6	10.3	C	95	5	0	NA	U		+	Y	-	GB	GB	N	TILL
17590	10.0	0.4	1.8	7.9	416.1	29.7	24.4	5.3	C	95	5	0	NA	U		+	Y	-	GY	GY	N	TILL
17591	2.1	0.2	0.2	1.7	104.1	18.5	12.0	6.5	C	100	0	0	NA	U		Y	Y	Y	GY	GY	N	TILL

GOLD CLASSIFICATION
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VISIBLE GOLD FROM SHAKING TABLE AND PANNING

SAMPLE #	PANNED Y/N	DIAMETER 40	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
K 18885	Y	NO VISIBLE GOLD											EST. 0.1% PYRITE
18886	Y	50 X 50	10 C	1						1			EST. 60% PYRITE
										1	17.5	11	
18887	Y	15 X 15	3 C	1						1			EST. 15% PYRITE
		25 X 25	5 C	2						2			35% MARCASITE
		75 X 100	18 C	1						1			
		75 X 125	20 C	1						1			
										5	11.4	225	
18888	Y	50 X 50	10 C					1		1			EST. 80% PYRITE
		100 X 150	25 C			1				1			
		150 X 150	75 M		1					1			
										3	69.1	228	
18889	Y	50 X 50	10 C	1						1			EST. 50% PYRITE
		75 X 75	15 C			1				1			
										2	26.3	32	
18890	Y	NO VISIBLE GOLD											EST. 20% PYRITE
18891	Y	50 X 50	10 C		1					1			EST. 40% PYRITE
		50 X 75	13 C	1						1			
		50 X 100	15 C	1						1			
										3	21.2	57	
18892	Y	50 X 75	13 C					1		1			EST. 25% PYRITE
		75 X 100	18 C	1						1			
										2	9.9	140	
18908	Y	NO VISIBLE GOLD											EST. 3% PYRITE
18909	Y	25 X 50	8 C			1				1			EST. 20% PYRITE
		125 X 200	31 C				1			1			
										2	31.5	201	
18910	Y	100 X 200	29 C		1					1			EST. 30% PYRITE
18911	Y	25 X 50	8 C	1			1			2			EST. 20% PYRITE
		25 X 75	10 C	1						1			
		50 X 100	15 C	2						2			
		50 X 125	18 C	1						1			
		50 X 150	20 C	1						1			
		75 X 100	18 C		1					1			
		100 X 100	20 C		1					1			
										9	114.1	58	
18912	Y	NO VISIBLE GOLD											EST. 70% PYRITE
18913	Y	75 X 100	18 C		1					1			EST. 0.1% PYRITE
		75 X 175	25 C	1						1			
										2	53.2	73	
18914	Y	25 X 50	8 C			1				1			EST. 10% PYRITE
										1	26.9	3	
18915	Y	50 X 75	13 C	1						1			EST. 7% PYRITE
										1	41.6	9	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

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
18916	Y	50 X 75	13 C	1						1			EST. 7% PYRITE
		50 X 100	15 C	1						1			
		75 X 125	20 C	1						1			
										3	10.4	242	
18917	Y	50 X 50	10 C		1					1			EST. 1.5% PYRITE
		50 X 75	13 C	1			1			2			
		75 X 75	15 C		1					1			
		75 X 100	18 C		1					1			
										5	69.8	37	

VISIBLE GOLD FROM SHAKING TABLE AND PANNING SUM93RCC.WK1

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
17560	Y	25 X 50	8 C		1					1			EST. 0.1% PYRITE
		75 X 100	18 C		1					1			
										2	27.5	40	
17563	Y	50 X 75	13 C					1		1			EST. 0.1% PYRITE
										1	39.3	9	
17564	Y	NO VISIBLE GOLD											EST. 0.1% PYRITE
17565	Y	25 X 25	5 C					1		1			NO SULPHIDES
										1	33.6	1	
17566	Y	NO VISIBLE GOLD											NO SULPHIDES
17568	Y	NO VISIBLE GOLD											EST. 0.5% PYRITE
17569	N	NO VISIBLE GOLD											
17570	N	NO VISIBLE GOLD											
17571	N	NO VISIBLE GOLD											
17579	N	25 X 25	5 C	1						1			
										1	33.9	1	
17580	N	NO VISIBLE GOLD											
17581	N	NO VISIBLE GOLD											
17582	Y	50 X 75	13 C	1				1		2			EST. 0.5% PYRITE
		75 X 100	18 C	2	1					3			
		75 X 125	20 C		1					1			
		100 X 125	22 C				1			1			
		100 X 150	25 C			1				1			
										8	39.3	262	
17583	N	50 X 75	13 C	1						1			
										1	23.9	16	
17584	N	NO VISIBLE GOLD											
17585	N	50 X 50	10 C					1		1			
										1	18.6	10	
17586	N	50 X 100	15 C	2						2			
										2	12.3	104	
17589	N	50 X 75	13 C	1						1			
										1	36.6	10	
17590	N	25 X 25	5 C	1						1			
										1	24.4	1	
17591	N	NO VISIBLE GOLD											

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

H1851APR.WR2
TOTAL # OF PANNINGS 19

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
3793	Y	15 X 15	3 C	1						1			EST. 50% PYRITE,
		25 X 25	5 C	2						2			50 GR. GALENA (<250 uM).
		25 X 75	10 C				1			1			
										4	29.2	8	
3794	Y	NO VISIBLE GOLD											EST. 90% PYRITE, 1% MOLYBDENUM, 0.1% GALENA.
3795	Y	25 X 25	5 C	1						1			EST. 10% PYRITE
		25 X 50	8 C	1						1			
		25 X 75	10 C	1						1			
		50 X 50	10 C						1	1			
		50 X 75	13 C	3						3			
		125 X 200	31 C	1						1			
										8	131.6	60	
3796	Y	25 X 50	8 C				1			1			EST. 80% PYRITE
		50 X 50	10 C		2		1			3			
		50 X 75	13 C		1		1			2			
		75 X 75	15 C				2			2			
		75 X 175	25 C		1					1			
		125 X 200	31 C		1					1			
										10	78.3	151	
3797	N	25 X 25	5 C	3						3			
		50 X 75	13 C	1						1			
		175 X 225	38 C	1						1			
										5	76.5	155	
3798	Y	25 X 25	5 C	1						1			EST. 2% PYRITE
		25 X 50	8 C		1					1			
		25 X 75	10 C	1						1			
		25 X 125	15 C		1					1			
		50 X 50	10 C		1					1			
		50 X 75	13 C	1					1	1			
		50 X 100	15 C	2						2			
		75 X 100	50 M	2						2			
										11	70.8	120	
3799	N	25 X 25	5 C	1						1			
		50 X 75	13 C	1						1			
		100 X 100	20 C	1						1			
										3	38.6	49	
3800	Y	25 X 25	5 C	2						2			EST. 15% PYRITE
		25 X 75	10 C		1					1			
		25 X 100	13 C		1					1			
		50 X 75	13 C	1						1			
		50 X 125	18 C	1						1			
		100 X 125	22 C	1						1			
										7	42.2	98	
3801	Y	25 X 25	5 C	3						3			EST. 60% PYRITE
		25 X 50	8 C	1	1	1				3			
		50 X 50	10 C			1				1			
		50 X 75	13 C	2						2			
		50 X 100	15 C	1						1			
		50 X 150	20 C					1		1			

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

H1851APR.WR2

TOTAL # OF PANNINGS 19

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
		75 X 100	18 C	1						1			
		75 X 150	22 C	1						1			
										13	69.7	94	
3802	Y	50 X 125	18 C		1					1			EST. 50% PYRITE
		125 X 150	27 C		1					1			
										2	23.1	209	
3803	Y	25 X 50	8 C	1						1			EST. 1% PYRITE
		50 X 50	10 C	1						1			
		50 X 125	18 C	1						1			
										3	56.5	23	
3804	Y	50 X 75	13 C	1						1			EST. 5% PYRITE,
		75 X 125	20 C				1			1			5% MARCASITE.
										2	40.1	47	
3805	Y	25 X 25	5 C	3		1				4			EST. 10% PYRITE
		25 X 50	8 C	1						1			
										5	9.6	19	
3806	Y	15 X 15	3 C			1	2			3			EST. 0.5% PYRITE
		25 X 25	5 C			1				1			
		25 X 50	8 C			2	1	1		4			
		25 X 75	10 C		1					1			
		50 X 100	15 C			1				1			
										10	36.6	33	
3807	Y	15 X 15	3 C	3	1		1			5			NO SULPHIDES
		25 X 25	5 C	1	1					2			
		25 X 50	8 C	2	1					3			
		50 X 75	13 C	1	1					2			
										12	28.9	37	
3808	Y	15 X 15	3 C	4		1				5			EST. 20% PYRITE
		25 X 25	5 C	3	1					4			
		25 X 50	8 C	4		1				5			
		50 X 50	10 C	3						3			
		50 X 75	13 C	1						1			
		75 X 75	15 C	2						2			
		75 X 100	18 C	1						1			
		75 X 125	20 C	1						1			
		250 X 350	54 C		1					1			
										23	84.9	491	
3809	Y	25 X 25	5 C	5						5			EST. 25% PYRITE
		25 X 50	8 C	2						2			
		25 X 75	10 C	3						3			
		50 X 50	10 C	1						1			
		75 X 75	15 C	1						1			
		100 X 150	25 C	1						1			
										13	79.4	58	
3810	N	15 X 15	3 C	1						1			
		25 X 25	5 C	2						2			
										3	25.1	2	

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

H1851APR.WR2
TOTAL # OF PANNINGS 19

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
3937	N	15 X 15	0 C	1						1			
		25 X 50	0 C	1						1			
										2	10.4	8	
3938	Y	NO VISIBLE GOLD											
3939	N	50 X 50	0 C	1						1			
		75 X 100	0 C	1						1			
										2	2.3	523	
3940	Y	25 X 50	0 C	2						2			
		50 X 75	0 C		1					1			
										3	32.6	16	EST. 9% PYRITE, 1% MARCASITE.
3941	Y	25 X 25	0 C	4						4			
		25 X 50	0 C	2						2			
		25 X 75	0 C		1					1			
		50 X 50	0 C			2				2			
		50 X 75	0 C			1				1			
		75 X 125	0 C	1						1			EST. 9% PYRITE, 1% MARCASITE, 10 GR. GALENA (<250 uM).
		100 X 125	0 C	1						1			
										12	31.2	86	
3942	Y	25 X 25	0 C	3						3			EST. 2% PYRITE
		25 X 50	0 C	1	1					2			
		50 X 100	0 C	3	1					4			
		50 X 150	0 C	1						1			
		75 X 100	0 C	1						1			
										11	39	69	

EST. 5% PYRITE,
50 GR. GALENU (<750 uM)

HUBACHECK CONSULTING
OVERBURDEN DRILLING MANAGEMENT LIMITED
HEAVY LIQUID SAMPLE WEIGHTS (SG 3.20)

SAMPLE NUMBER	TABLE CONCENTRATE (<1.0 MM) TOTAL	LIGHTS	CONC. TOTAL	NON MAG TOTAL	NON MAG <0.25 MM	NON MAG 0.25-0.5 MM	NON MAG >0.5 MM	MAG	0.5 TO 1 MM GP	GO	DC	IM	CR	0.25-0.5 MM GP	DC	TOTAL KIMs	
17560	328.3	293.7	34.6	27.5	21.2	4.7	1.6	7.1	0	0	0	3	0	4	2	9	- Picked 5 low Cr-diopside and 4 GO from <0.5 mm.
17563	616.3	568.6	47.7	39.3	27.8	10.1	1.4	8.4	1	3	0	3	0	11	6	24	See Footnote
17564	228.3	177.6	50.7	43.0	35.3	6.5	1.2	7.7	1	1	0	8	0	4	2	16	- Picked 1 low Cr-diopside from <0.5 mm.
17565	232.7	191.9	40.8	33.6	24.6	8.3	0.7	7.2	0	0	0	0	0	2	0	2	See Footnote
17566	362.2	309.3	52.9	43.2	29.1	8.6	5.5	9.7	0	1	1	5	0	5	4	16	- 2 GP in <0.5 mm are red-purple.
17568	94.9	76.8	18.1	13.2	9.3	3.5	0.4	4.9	0	1	0	0	0	1	1	3	
17569	230.6	193.1	37.5	22.0	16.2	4.4	1.4	15.5	0	0	0	1	0	1	2	4	See Footnote
17570	328.7	277.0	51.7	43.8	37.4	5.4	1.0	7.9	2	0	1	3	0	3	2	11	- 5-10 aspy grains in +1 aap.
17571	139.9	121.4	18.5	15.6	13.0	2.4	0.2	2.9	0	0	0	0	0	2	0	2	See Footnote
17573	322.3	244.5	77.8	68.1	64.4	3.1	0.6	9.7	0	1	0	1	0	3	1	6	See Footnote
17574	328.1	261.3	66.8	58.9	56.7	1.4	0.8	7.9	0	0	0	0	0	0	0	0	- Picked 1 low Cr-diopside from <0.5 mm
17575	374.4	298.0	76.4	58.3	37.3	12.8	8.2	18.1	3	0	1	4	0	15	2	25	See Footnote
17576	292.3	223.0	69.3	57.3	45.1	6.5	5.7	12.0	1	3	0	10	0	9	0	23	See Footnote
17577	423.2	337.5	85.7	64.0	41.0	15.4	7.6	21.7	1	1	1	5	0	12	8	28	See Footnote
17578	176.7	162.1	14.6	9.0	5.7	2.4	0.9	5.6	1	2	0	2	0	6	2	13	- 40%(+) pyrite in conc.; several pyrite-molybdenite grains.
17579	416.0	367.0	49.0	33.9	28.2	4.5	1.2	15.1	1	2	0	11	0	6	2	22	See Footnote
17580	230.6	213.7	16.9	13.8	11.7	1.9	0.2	3.1	1	0	0	0	0	3	1	5	
17581	270.8	215.4	55.4	46.1	41.0	4.6	0.5	9.3	0	1	0	0	0	6	0	7	See Footnote
17582	238.0	189.4	48.6	39.3	30.7	8.3	0.3	9.3	0	0	0	4	0	12	3	19	- Picked 1 low Cr-diopside from >0.5 mm.
17583	163.9	132.8	31.1	22.9	10.6	5.1	0.2	7.2	0	0	0	2	0	0	2	4	See footnote
17584	312.7	283.6	29.1	23.2	16.4	6.4	0.4	5.9	1	0	0	1	0	6	0	8	See Footnote
17585	136.6	113.9	22.7	18.6	16.0	2.5	0.1	4.1	0	0	0	0	0	2	0	2	- Picked 2 low Cr-diopside from <0.5 mm.
17586	112.4	95.6	16.8	12.3	11.1	0.8	0.4	4.5	0	0	0	1	0	1	0	2	See Footnote
17589	198.5	151.6	46.9	36.6	26.2	9.5	0.9	10.3	1	3	0	5	0	7	2	18	See Footnote
17590	445.8	416.1	29.7	24.4	17.3	5.3	1.8	5.3	3	1	0	0	0	4	2	10	- Picked 1 low Cr-diopside and 1 chromite from <0.5 mm.
17591	122.6	104.1	18.5	12.0	6.4	3.3	2.3	6.5	0	1	0	1	0	4	0	6	- Conc. 50% (+) pyrite; picked 5 picroilmenite from <0.5 mm.

17563 Picked 3 low Cr-diopside and 1 GO from <0.5 mm; 2 GP in <0.5 mm are red-purple; 1 polygranular ilmenite and 2 with white leucoxene coatings in >0.5 mm, 2 GO in >0.5 mm have rinds.

17565 Picked 3 low Cr-diopside from <0.5 mm; common hematitic rock chips in >0.5 mm.

17569 1% aspy in >0.5 mm; picked 1 IM from <0.5 mm and also 1 bright green cloudy pyroxene (?); multiple aspy grains in addition to pyrite, in +1 aap.

17571 Picked 1 CR from <0.5 mm; picroilmenite-like grain in >0.5 mm has charachteristic brightness but is cleavable, not conchoidal. SEM indicates crustal, grain not counted or vialled.

17573 Picked 3 low Cr-diopside from <0.5 mm; 1 GP in <0.5 mm is questionable.

17575 >0.5 mm oversized. 80% cubic pyrite; tested (SEM) 2 ambiguous IMs >0.5 mm, one with non-kimberlitic inclusions proved crustal -- not vialled or counted; conc. 50% (+) pyrite; several molybdenite and aspy grains in <0.5 mm.

17576 >0.5 mm 80% cubic py with associated biotite alteration. 3 of IM polygranular suggesting Diamon Lake source; tested 4 ambiguous IM with apparent traces of non-kimberlitic inclusions or gangue, all proved crustal, not vialled or counted.

17577 Picked 1 GO from <0.5 mm; 30%(+) pyrite in concentrate; multiple but <0.5% pyrite-molybdenite grains.
40%(+) pyrite in conc.; several pyrite-molybdenite grains.

17579 Picked 1 GO, 1 blue-grey spinel (?) and 2 low Cr-diopside from <0.5 mm; 2 IM from >0.5 mm picked for SEM -- confirmed picroilmenite; GP in >0.5 mm blue in colour -- SEM confirms pyrope.

17581 Picked 1 low Cr-diopside from <0.5 mm; 1 GP in <0.5 mm is blue-grey -- SEM confirms pyrope; GO in >0.5 mm is questionable.

17583 Picked 1 glassy blue spinel (?) from <0.5 mm; SEM check of 1 IM from >0.5 mm -- confirmed as crustal (remaining 2 IM appear genuinely kimberlitic).

17584 Picked 2 low Cr-diopside from <0.5 mm; 3 IM from >0.5 mm confirmed as crustal by SEM -- not picked.

17586 Small conc. with 50% (+) pyrite; fairly common specularite+coarb.+qtz grains and several molybdenite grains in <0.5 mm.

17589 Picked 3 low Cr-diopside and 1 blue-grey glassy spinel (SEM confirmed) from <0.5 mm; SEM check on 2 IM from >0.5 mm -- confirmed as picroilmenite; SEM check of 1 blue grain from <0.5 mm -- titanium oxide, possibly anatase; 1 GP in <0.5 mm is questionable; picked 2 red-orange garnet from >0.5 mm -- possibly eclogitic.

SAMPLE NUMBER	DIRECT SIEVE (1.0 TO 2.0 MM) TOTAL	LIGHTS	CONC. TOTAL	NON MAG	MAG	TABLE CONCENTRATE (<1.0 MM) TOTAL	LIGHTS	CONC. TOTAL	NON MAG TOTAL	<0.25 MM	0.25-0.5 MM	>0.5 MM	MAG	NUMBER OF INDICATOR MINERALS 1 TO 2 MM GP	GO	DC	IM	CF	0.5 TO 1 MM GP	GO	DC	IM	CF	0.25-0.5 MM GP	DC	REMARKS
18885	0.0	0.0	0.0	0.0	0.0	54.2	53.7	0.5	0.4	0.4	0.0	0.0	0.1	NO SAMPLE					0	0	0	0	0	0	0	- VERY SMALL H.M.C.
18886	148.9	148.3	0.6	0.5	0.1	132.4	110.1	22.3	17.7	14.0	2.3	1.4	4.6	0	0	0	0	0	0	0	0	0	0	0	0	- MOSTLY PYRITE; SEVERAL GALENA GRAINS.
18887	186.3	185.5	0.8	0.7	0.1	231.1	214.3	16.8	11.6	9.4	1.5	0.7	5.2	0	0	0	0	0	0	0	0	0	0	0	0	- MOSTLY PYRITE, PY.-ROCK CHIPS; TR. GALENA(?).
18888	807.6	804.3	3.3	3.0	0.3	278.5	189.9	88.6	69.4	45.0	16.0	8.4	19.2	0	0	0	0	0	0	0	0	0	0	3	3	- MOSTLY PY.; CHALCO.+/- QTZ.-CARB.; TR. GALENA.
18889	298.5	295.9	2.6	2.6	<0.1	217.0	187.0	30.0	26.4	15.7	6.7	4.0	3.6	0	0	0	0	0	0	0	0	0	0	0	0	- AS 18888 WITHOUT GALENA, SULPHIDES TARNISHED
18890	133.4	133.1	0.3	0.3	<0.1	194.8	182.2	12.6	8.8	7.2	1.0	0.6	3.8	0	0	0	0	0	0	0	0	0	0	1	0	
18891	999.4	996.5	2.9	2.5	0.4	326.0	300.4	25.6	21.1	12.8	5.8	2.5	4.5	0	0	0	0	0	0	0	1	0	0	3	1	- ABUNDANT PY.; SOME FE-FM. IN +0.5 MM.
18892	306.9	306.4	0.5	0.3	0.2	220.2	206.1	14.1	9.6	7.4	1.5	0.7	4.5	0	0	0	0	0	0	0	0	0	0	1	0	- ABUNDANT PYRITE.
18893	275.4	274.6	0.8	0.7	0.1	359.0	300.6	58.4	49.8	39.4	8.7	1.7	8.6	0	0	0	0	0	1	0	0	0	0	3	4	
18894	163.7	163.5	0.2	0.2	<0.1	528.2	453.4	74.8	65.5	55.2	8.2	2.1	9.3	0	0	0	0	0	0	0	0	0	0	12	3	- 1 BLUE PYROPE(?)
18895	197.9	197.5	0.4	0.3	0.1	472.6	391.3	81.3	70.6	61.8	7.2	1.6	10.7	0	0	0	0	0	0	0	0	0	0	5	0	
18896	34.3	34.2	0.1	<0.1	<0.1	383.5	329.5	54.0	47.1	38.8	7.7	0.6	6.9	0	0	0	0	0	0	0	0	0	0	1	0	
18897	0.0	0.0	0.0	0.0	0.0	269.4	211.8	57.6	51.0	50.4	0.6	0.0	6.6	NO SAMPLE					NO SAMPLE					0	0	
18898	0.0	0.0	0.0	0.0	0.0	550.2	456.2	94.0	83.2	75.6	7.2	0.4	10.8	NO SAMPLE					0	0	0	0	0	0	1	
18899	6.3	6.2	0.1	<0.1	<0.1	531.2	433.2	98.0	88.5	83.9	4.3	0.3	9.5	0	0	0	0	0	0	0	0	0	0	0	0	
18900	28.5	28.4	0.1	<0.1	<0.1	544.3	443.1	101.2	89.4	77.9	10.8	0.7	11.8	0	0	0	0	0	0	0	0	0	0	1	2	
18901	451.0	448.0	3.0	2.6	0.4	318.8	200.6	118.2	92.2	74.6	12.1	5.5	26.0	0	0	0	0	0	0	0	0	0	0	0	1	- ABUNDANT PY., MOLY. COMMON, RARE CHALCOPY.
18902	596.3	591.8	4.5	3.9	0.6	298.4	218.3	80.1	55.1	36.1	11.2	7.8	25.0	0	0	0	0	0	1	0	0	0	0	4	5	- ABUNDANT PY.; PYROPE IN 0.5-1.0 MM IS WINE RED
18903	722.6	720.7	1.9	1.5	0.4	440.8	335.8	105.0	63.5	45.3	13.1	5.1	41.5	0	0	0	0	0	0	0	0	0	0	5	2	- PY. ROCK (HEMA.-STAINED GRANODIORITE?)-CHIPS.
18904	150.2	149.0	1.2	0.8	0.4	337.7	298.5	39.2	30.0	22.8	5.0	2.2	9.2	0	0	0	0	0	0	0	0	0	0	3	5	- PYRITE AND PYRITIC ROCK CHIPS COMMON.
18905	581.5	580.0	1.5	1.0	0.5	415.8	319.6	96.2	70.5	58.7	8.1	3.7	25.7	0	0	0	0	0	0	0	1	0	0	10	3	- PYRITE AND PYRITIC ROCK CHIPS COMMON.
18906	699.9	697.8	2.1	1.8	0.3	667.7	571.3	96.4	80.2	62.4	12.6	5.2	16.2	0	0	0	0	0	0	0	2	1	0	25	17	- ABUNDANT PYRITE; 1 GREY-BLUE PYROPE(?).
18907	57.5	57.2	0.3	0.3	<0.1	382.4	348.4	34.0	29.4	23.2	4.0	2.2	4.8	0	0	0	0	0	0	0	0	0	0	4	1	- ABUNDANT PYRITE; ~2% MOLYBDENITE.
18912	230.4	230.2	0.2	0.2	0.0	479.2	460.4	18.8	6.1	2.4	1.7	2.0	12.7	0	0	0	0	0	0	0	0	0	0	0	0	
18913	566.8	566.0	0.8	0.7	0.1	405.1	343.0	62.1	53.6	43.5	8.4	1.7	8.5	0	0	0	0	0	2	0	0	1	0	6	3	
18914	462.3	461.5	0.8	0.7	0.1	575.8	544.1	31.7	27.0	16.9	6.3	1.8	4.7	0	0	0	0	0	1	0	0	0	0	2	1	
18915	304.2	303.7	0.5	0.4	0.1	379.2	331.5	47.7	41.8	34.5	5.4	1.9	5.9	0	0	0	0	0	0	0	0	0	0	4	1	
18916	71.8	71.7	0.1	<0.1	0.1	215.5	202.9	12.6	10.5	9.0	1.1	0.4	2.1	0	0	0	0	0	0	0	0	0	0	3	0	
18917	566.8	565.6	1.2	0.8	0.4	644.0	564.0	80.0	70.8	61.8	6.0	3.0	9.2	0	0	0	0	0	0	0	0	1	0	8	9	

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG
KIMBERLITE INDICATOR MINERAL COUNTS

########
PROJECT 185
TOTAL OF 24 SAMPLES

	TABLE CONCENTRATE <1.0 mm (grams)								IM COUNT							
		M.I. SEPARATION S.G 3.20												.25 TO		T
SAMPLE		-0.25							0.5 TO 1 mm					0.5 mm		O
NUMBER	TOTAL	mm	M.I. LIGHTS	TOTAL NON-MAG	0.5 TO 1.0 mm	0.25 TO 0.5 mm	-0.25 mm	TOTAL MAG	GP	GO	DC	IM	CR	GP	DC	KIMs
185																
3793	226.2	NA	189.3	29.3	1.7	3.4	24.2	7.6	0	0	0	0	0	3	0	3
3794	506.1	NA	484.8	19.8	2.9	7.8	9.1	1.5	0	0	0	0	0	0	0	0
3795	437.5	NA	281.6	131.9	0.8	2.9	128.2	24.0	1	0	0	0	0	3	3	7
3796	354.8	NA	256.4	78.4	5.3	12.7	60.4	20.0	2	0	0	1	0	21	12	36
3797	385.8	NA	293.7	76.5	3.2	9.2	64.1	15.6	0	0	0	0	0	10	7	17
3798	486.2	NA	399.8	70.8	4.1	9.2	57.5	15.6	0	0	0	0	0	12	10	22
3799	285.5	NA	238.2	39.0	1.9	5.3	31.8	8.3	0	0	0	0	0	5	1	6
3800	259.7	NA	213.0	42.1	1.7	6.2	34.2	4.6	0	0	0	0	0	5	7	12
3801	410.1	NA	323.0	68.1	3.9	8.6	55.6	19.0	0	0	2	0	0	18	9	29
3802	225.7	NA	196.4	23.4	1.8	2.0	19.6	5.9	0	0	0	2	0	1	0	3
3803	489.1	NA	422.9	56.7	3.5	10.5	42.7	9.5	0	1	0	0	0	2	1	4
3804	244.7	NA	200.1	40.3	2.7	5.0	32.6	4.3	0	0	0	1	0	4	1	6
3805	115.2	NA	104.4	9.7	0.6	1.1	8.0	1.1	0	0	0	0	0	0	2	2
3937	377.0	NA	365.7	10.4	0.2	0.9	9.3	0.9	0	0	0	0	0	0	0	0
3938	565.7	NA	559.7	5.8	1.0	2.0	2.8	0.2	0	0	0	0	0	0	0	0
3939	250.3	NA	247.5	2.4	0.3	0.3	1.8	0.4	0	0	0	0	0	0	0	0
3940	418.9	NA	381.6	32.7	1.7	4.8	26.2	4.6	0	0	0	0	0	2	0	2
3941	357.7	NA	321.7	31.2	1.4	4.3	25.5	4.8	1	0	0	0	0	1	2	4
3942	284.6	NA	238.9	39.0	1.5	3.4	34.1	6.7	1	0	0	0	0	0	1	2

| L T T T T T T T T T T T T RI1
¬¬$1$$KIMBERLITE INDICATOR MINERAL PICKING FOOTNOTES:□

$U$$SAMPLE NO:¬›$U$$REMARKS›□
185□□
3793□>0.5 mm dominated by pyrite and ~10% magnetite grains and cuttings.□

3794□Estimate 10% molybdenite in <0.5 mm fraction, 5% in >0.5 mm fraction. Estimate sample 75-80% pyrite.□

3796□Concentrate dominated by pyrite and pyritic cuttings.□

3801□Picked 1 low-Cr diopside from <0.5 mm fraction.□

3802□Concentrate predominantly pyrite. SEM check of 1 black grain from >0.5 mm – confirmed picroilmenite.□

3803□SEM cehck of 1 reddish-orange grain from <0.5 mm – almandine.□

3808□Picked 1 low-Cr diopside form <0.5 mm.□

3809Picked 1 andradite-uvarovite from <0.5 mm and also 1 low-Cr diospide.□
□

SUM93RCA.WK1

šBššOVERBURDEN DRILLING MANAGEMENT LIMITED□

GOLD GRAIN SUMMARY SHEET›□

Sample No.	Number of Visible Gold Grains				== Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
17560	2	2	0	0	27.5	40	40	0	0
17563	1	0	0	1	39.3	9	0	0	9
17564	0	0	0	0	43.0	0	0	0	0
17565	1	0	0	1	33.6	1	0	0	1
17566	0	0	0	0	43.2	0	0	0	0
17568	0	0	0	0	13.2	0	0	0	0
17569	0	0	0	0	22.0	0	0	0	0
17570	0	0	0	0	43.8	0	0	0	0
17571	0	0	0	0	15.6	0	0	0	0
17579	1	1	0	0	33.9	1	1	0	0
17580	0	0	0	0	13.8	0	0	0	0
17581	0	0	0	0	46.1	0	0	0	0
17582	8	5	2	1	39.3	262	125	128	9
17583	1	1	0	0	23.9	16	16	0	0
17584	0	0	0	0	23.2	0	0	0	0
17585	1	0	0	1	18.6	10	0	0	10
17586	2	2	0	0	12.3	104	104	0	0
17589	1	1	0	0	36.6	10	10	0	0
17590	1	1	0	0	24.4	1	1	0	0
17591	0	0	0	0	12.0	0	0	0	0

H185TOTA

šBššOVERBURDEN DRILLING MANAGEMENT LIMITED□

GOLD GRAIN SUMMARY SHEET›□

H1851APR.WR2

Sample No.	Number of Visible Gold Grains				==	Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine			Total	Reshaped	Modified	Pristine
185										
3793	4	3	1	0		29.2	8	2	7	0
3794	0	0	0	0		19.6	0	0	0	0
3795	8	7	0	1		131.6	60	58	0	1
3796	10	5	5	0		78.3	151	126	25	0
3797	5	5	0	0		76.5	155	155	0	0
3798	11	10	0	1		70.8	120	119	0	1
3799	3	3	0	0		38.6	49	49	0	0
3800	7	7	0	0		42.2	98	98	0	0
3801	13	10	2	1		69.7	94	68	4	22
3802	2	2	0	0		23.1	209	209	0	0
3803	3	3	0	0		56.5	23	23	0	0
3804	2	1	1	0		40.1	47	9	37	0
3805	5	4	1	0		9.6	19	16	3	0
3937	2	2	0	0		10.4	8	8	0	0
3938	0	0	0	0		5.8	0	0	0	0
3939	2	2	0	0		2.3	523	523	0	0
3940	3	3	0	0		32.6	16	16	0	0
3941	12	9	3	0		31.2	86	80	6	0
3942	11	11	0	0		39.0	69	36	0	0

šBššOVERBURDEN DRILLING MANAGEMENT LIMITED□

GOLD GRAIN SUMMARY SHEET›□

Sample No.	Number of Visible Gold Grains					Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine			Total	Reshaped	Modified	Pristine
18885	0	0	0	0		0.4	0	0	0	0
18886	1	1	0	0		17.5	11	11	0	0
18887	5	5	0	0		11.4	225	225	0	0
18888	3	1	2	0		69.1	228	183	45	0
18889	2	1	1	0		26.3	32	7	24	0
18890	0	0	0	0		8.6	0	0	0	0
18891	3	3	0	0		21.2	57	57	0	0
18892	2	1	0	1		9.9	140	102	0	38
18908	0	0	0	0		34.7	0	0	0	0
18909	2	0	2	0		31.5	201	0	201	0
18910	1	1	0	0		59.2	83	83	0	0

LEGEND

- R.C. Program Hole
- KLIP Hole (OGS)
- Sonic Hole (OSC)
- Railroad
- Open Road
- Hydro Cut
- Creek
- Property Boundary
- Interior Boundary
- Water Crossing
- Town Boundary
- Major Esker System

DLO-93-14

RC Hole Location

SKEAD HOLDINGS
DIAMOND LAKE OPTION

SKEAD HOLDINGS
DIAMOND LAKE OPTION

SUDBURY mines limited
CONTACT 6

DIAMOND LAKE PROJECT

SKEAD HOLDINGS
DIAMOND LAKE OPTION

DIAMOND LAKE PROPERTY

REVERSE CIRCULATION DRILL HOLE LOCATION MAP

AUGUST, 1993 WORK BY D.JAMIESON & R.KNOWLES

W.A.MUBACHECK CONSULTANTS LTD.

SCALE

0 500 1000 2000

METRES 1 : 20000

LEGEND

- R.C. Program Hole
- KLIP Hole (OGS)
- Sonic Hole (GSC)
- Railroad
- Open Road
- Hydro Cut
- Creek
- Property Boundary
- Interior Boundary
- Water Crossing
- Town Boundary
- Major Esker System

DLO-93-14

ation — ⊙

River

Moosehead Lake

TL 60+00S

L40+00W

Misema

H.E.P.C.

L16+00W

BL No.2

Binney Lake

L0+00 L12+00E L28+00E L44+00

BL 0+00

L3+00N

SKEAD HOLDINGS

DIAMOND LAKE OPTION

DLO-94-28

DLO-94-27

SC-06

SC-07

SC-05

LMO-93-4

L1+00S

SKEAD HOLDINGS

DLO-94-22

DLO-94-24A

R x R GRID DIAMOND LAKE OPTION

DLO-94-23

DLO-94-24

DLO-94-22A

DLO-94-23A

Marjorie Lake

C.N.R.

SC-01

Diamond Lake

DLO-93-01

DLO-93-02

SC-03

DLO-94-26

SC-02

DLO-93-08

LT-86-2

DLO-93-04

DLO-94-25

DLO-93-10

DLO-93-15

DLO-93-14

DLO-93-13

Killarney Lake

DLO-94-20

DLO-94-19

DLO-94-18

DLO-94-17

DLO-93-05

DLO-93-12

DLO-94-21

DLO-93-11,11A

DLO-93-9

DLO-94-16

LT-86-8

Grassy Lake

SKEAD HOLDINGS

DIAMOND LAKE OPTION

DLO-93-06

DLO-93-07

KLIP-82-46

KLIP-82-48

KLIP-82-45

KLIP-82-47

KLIP-82-44

KLIP-82-43

KLIP-82-42

KLIP-82-54

KLIP-82-37

KLIP-82-36

KLIP-82-49

KLIP-82-41

Hwy 62

SUDBURY CONTACT

DIAMOND LAKE PROJECT

SKEAD HOLDINGS

DIAMOND LAKE OPTION

DIAMOND LAKE PROPERTY

REVERSE CIRCULATION DRILL HOLE LOCATION MAP

AUGUST, 1993 WORK BY D.JAMIESON & R.KNOWLES

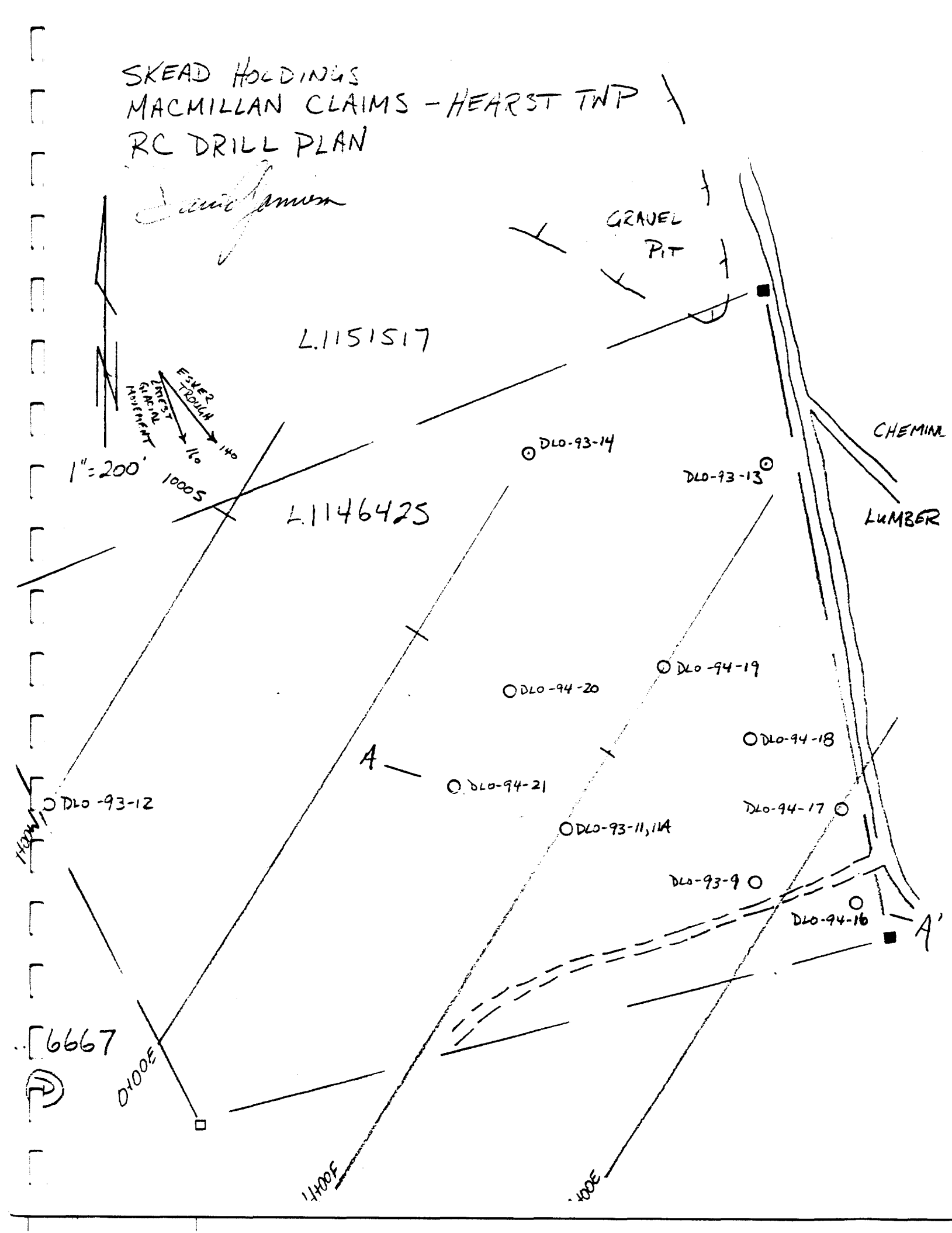
W.A.HUBACHEK CONSULTANTS LTD.

SCALE

0 500 1000 2000

METRES 1 : 20000

SKEAD HOLDINGS
MACMILLAN CLAIMS - HEARST TWP
RC DRILL PLAN



Ministry of Northern Development and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9480.00579

94-11

Personal information collected on this form is obtained under the authority of the Min
his collection should be directed to the Provincial Manager, Mining Lands, Minis
Sudbury, Ontario, P3E 6A5, telephone (705) 670-7284.

[redacted]

32D04SE0118 2.15777 HEARST

900

Instructions: [redacted]
- Refer to the Mining Act and Regulations for requ
Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.

[redacted]

Recorded Holder(s)		Client No.
Skead Holding Ltd / R. A. MacGregor		
Address		Telephone No.
28 Ford St Sault Ste Marie Ont.		705-949-4250
Mining Division	Township/Area	M or G Plan No.
Larder Lake	Hearst, McElroy, McVittie, Gauthier	G 3211, 3213, 3214, 3163
Dates Work Performed	From: March 7, 1993	To: December 10, 1994

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	Overburden Drilling
	Rehabilitation	
	Other Authorized Work	SECTION 18 ONLY
	Assays	
	Assignment from Reserve	

RECEIVED
JAN 10 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 68,116

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

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

Name	Address
David R. Jamieson	RR#8 Peterborough K9J 6X9 2004 Manicee Ave
Heath + Sherwood Drilling Inc.	PO Box 998 34 Duncan Ave North Kirkland Lake Ont. P2N 3L3
Overburden Management Ltd	107-15 Capella Court, Nepean Ont K2E 7X1

(attach a schedule if necessary)

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

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
	Dec 16/94	R A MacGregor

Certification of Work Report

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

Name and Address of Person Certifying		
R.A. MacGregor 28 Ford St. Sault Ste Marie Ont P6A 4N4		
Telepone No.	Date	Certified By (Signature)
705-949-4250	Dec 16/94	R A MacGregor

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
26,809 reserve	Dec 22/94	[signature]	RECEIVED LARDER LAKE MINING DIVISION DEC 22 1994
	Deemed Approval Date: March 22/95	Date Approved	
	Date Notice for Amendments Sent		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	L667832	1	0	1200		
	L667833	1	0	1200		
	L673145	1	0	800		
	L673146	1	0	800		
	L740036	1	0	800		
	L740037	1	0	800		
	L800064	1	0	800		
3163	L859823	1	1390	0	1390	0
	L919850	1	0	797		
	L919851	1	0	797		
	L919852	1	0	797		
3213	L919853	1	2495	0	2495	0
3213	L919854	1	1015	0	1015	0
3213	L919919	1	2936	0	2725	211
	L919920	1	0	797		
	L919921	1	0	797		
	L919922	1	0	797		
	cont. p 2		cont. p 2	cont. p 2	cont. p. 2	cont. p 2
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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

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

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

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

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

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

Signature: [signature]

Date: Dec 16/94

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	L919923	1	0	797		
3214	L979566	1	507	568		
	L980385	1	0	797		
	L980386	1	0	797		
3219	L980387	1	7617	797	0	6820
	L980388	1	0	920		
	L980395	1	0	797		
	L980396	1	0	797		
3211	L981875	1	2075	0	2075	0
	L982757	1	0	797		
	L983353	1	0	1360		
	L983354	1	0	1200		
	L983355	1	0	1200		
	L983356	1	0	1200		
	L983357	1	0	1200		
3213	L1146425	1	38,639	1200	12,000	25,439
3213	L1151517	1	2605	1200	1405	0
	34		59,279	26,809	23,105	32,470
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Page 2

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

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

I certify that the recorded holder had a beneficial interest in the patented | Signature | Date 11/94

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
3211	L 736729	1	4460	-0-		4460
		McVittie - not contiguous				
3163	L 1151867	1	1655	-0-		1655
3163	L 1151868	1	647 from	-0-		647 from
3163	L 1151869	1	2075	-0-		2075
		Total	8837		Total	8837
	38		68,116	26,809	23,105	41,307
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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

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2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
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Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

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I certify that the recorded holder had a beneficial interest in the patented | Signature | Date 11. 11. 81

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Ontario

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9480.00579

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

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	990 -	
	Field Supervision Supervision sur le terrain	8732 -	9722
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: RC Drilling	44,058.58	
	Min. Processing	9160	
			53,219
Supplies Used Fournitures utilisées	Type: Gas, oil	350 -	
	Flagging, Axes, sieves buckets, snowshoes	600 -	
	Printing, drafting	400	
			1350
Equipment Rental Location de matériel	Type: GPS	140 -	
	Radios	60 -	
			200
	Total Direct Costs Total des coûts directs		64,491

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type: Truck	500 -	
	ATV	100 -	
	Snowmobile	150 -	
	shipping pails	275 -	
	ONR rail crossing	600 -	1625
Food and Lodging Nourriture et hébergement		1300	1300
Mobilization and Demobilization Mobilisation et démobilisation		700	700 -
	Sub Total of Indirect Costs Total partiel des coûts indirects		3625
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		68,116

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

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

Filing Discounts

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

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

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

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

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

Certification Verifying Statement of Costs

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

that as _____ I am authorized
(Recorded Holder/ Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

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

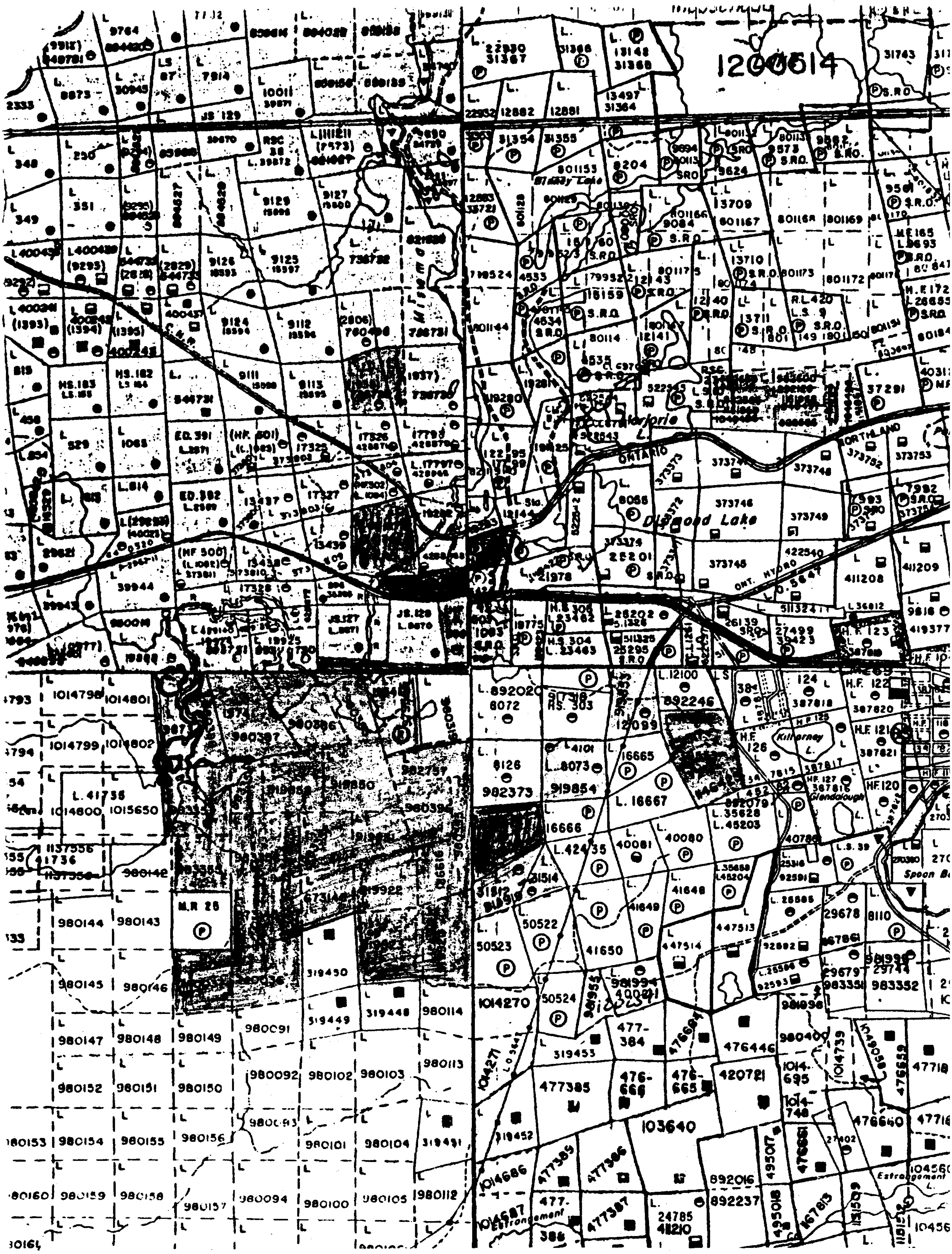
Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
	Dec 16/94

0212 (04/91)

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



1200614
Diamond Lake
Ontario
Northland
Ont. Hydro
Killarney L.
Glendalough
Estrangement

Ontario

Ministry of Northern Development and Mines
Ministère du Développement du Nord et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

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

Our File: 2.15777
Transaction #: W9480.00579

February 21, 1995

Mining Recorder
Ministry of Northern Development & Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Mr. Spooner:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS L667832 et al. IN HEARST, McELROY, McVITTIE AND GAUTHIER TOWNSHIP

The deficiencies for this submission have been corrected. Accordingly, assessment work credits have been approved as outlined on the report of work form. The credits have been approved under Section 16 (Drilling) of the Mining Act Regulations.

The approval date is February 21, 1995.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5858.

ORIGINAL SIGNED BY:

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

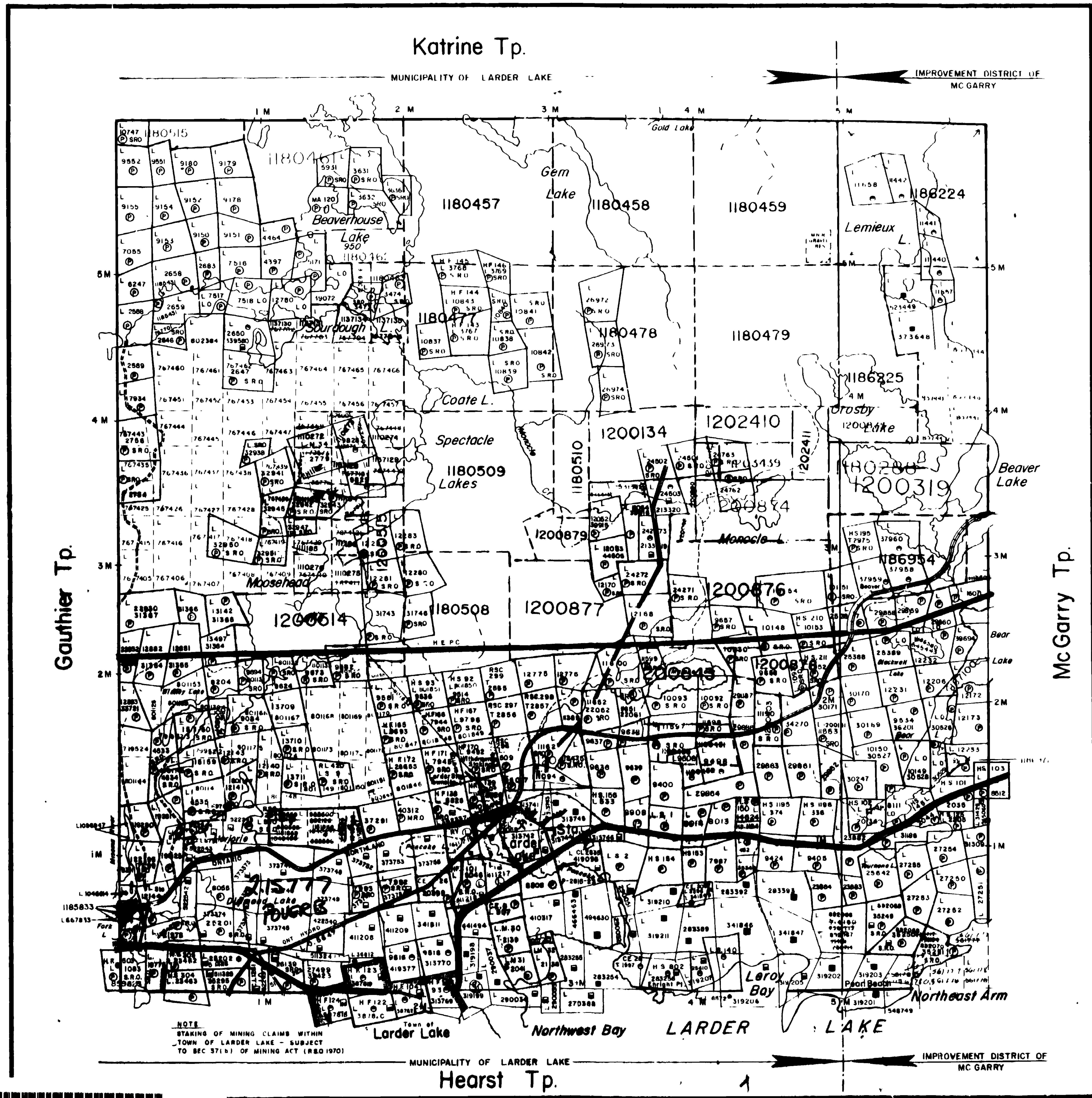
SBB/jl
Enclosure:

cc: Resident Geologist
Kirkland Lake, Ontario

Assessment Files Library
Sudbury, Ontario

TRIM LINE

G-3163



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	Ⓟ or ●
SURFACE RIGHTS ONLY	ⓅS.R.O. or ◒
MINING RIGHTS ONLY	◓
LEASE SURFACE & MINING RIGHTS	Ⓛ or ■
SURFACE RIGHTS ONLY	⬓
MINING RIGHTS ONLY	⬒
LICENCE OF OCCUPATION	L.O. or ▼
ORDER-IN-COUNCIL	OC
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 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

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

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

McVITTIE

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

DATE OF ISSUE

1995

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

TIMISKAMING

Ministry of Natural Resources — Land Management Branch

Ontario

Date SEPTEMBER 1984

Number G-3163

COPY OF THIS MYLAR ARCHIVED OCT 31, 1991

ARCHIVED APR 18, 1994

McVITTIE TP.

32D04SE0118 2.15777 HEARST

200

G-3163

REFERENCES

A. ... DRAWN 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

OWN ... staking Restricted ...

...NICK POWER LINE
Application pending under Public Lands Act)

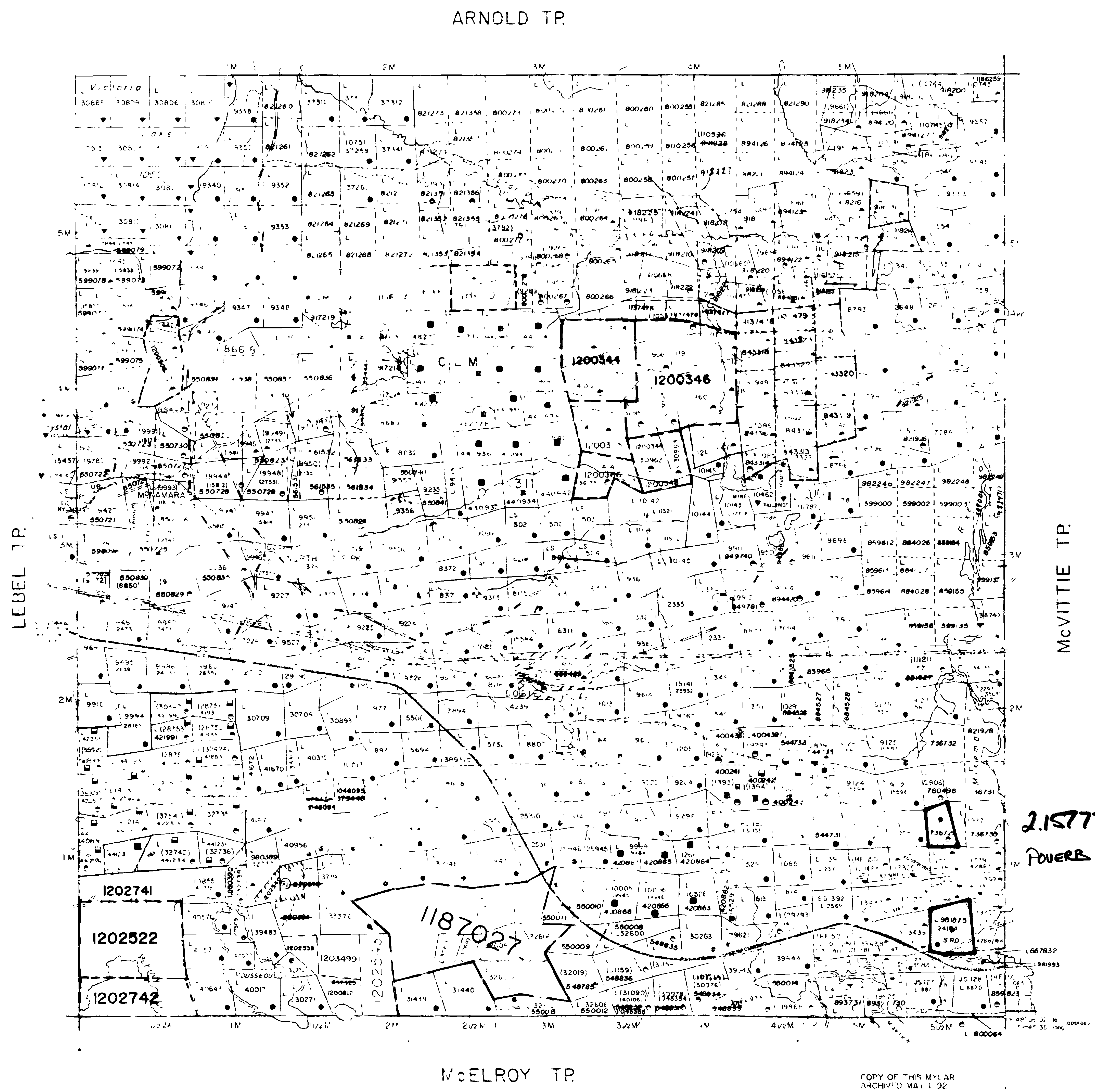
SAND and GRAVEL

M.T.C.	PIT No. 448	F.E. 10142I	
M.T.C.	PIT 3F-27		

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.

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE TIMISKAMING MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129, SWASTIKA, ONT. P0K 1T0, 705-642-3222



COPY OF THIS MYLAR ARCHIVED MAY 1992
ARCHIVED SEPTEMBER 5 1994

2.15777
POWERB

LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINE:
TOWNSHIP ...
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINE:
LOT LINE
PARCEL BOUNDARY
MINING CLAIMS
RAILWAY AND RIGHT OF WAY
SUBDIVISION OR COMPOSITE PLAN
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	ⓡ
CANCELLED	
SAND & GRAVEL	

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

SCALE: 1 INCH = 40 CHAINS

TOWNSHIP

GAUTHIER

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

TIMISKAMING

Ministry of Natural Resources, Ontario — Land Management Branch

Date: JANUARY, 1985 — Number:

FEBRUARY 8,1985

G-3211

32D04BE0118 2.15777 HEARST

210

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

O-L-S.R.O. - SURFACE RIGHTS ONLY

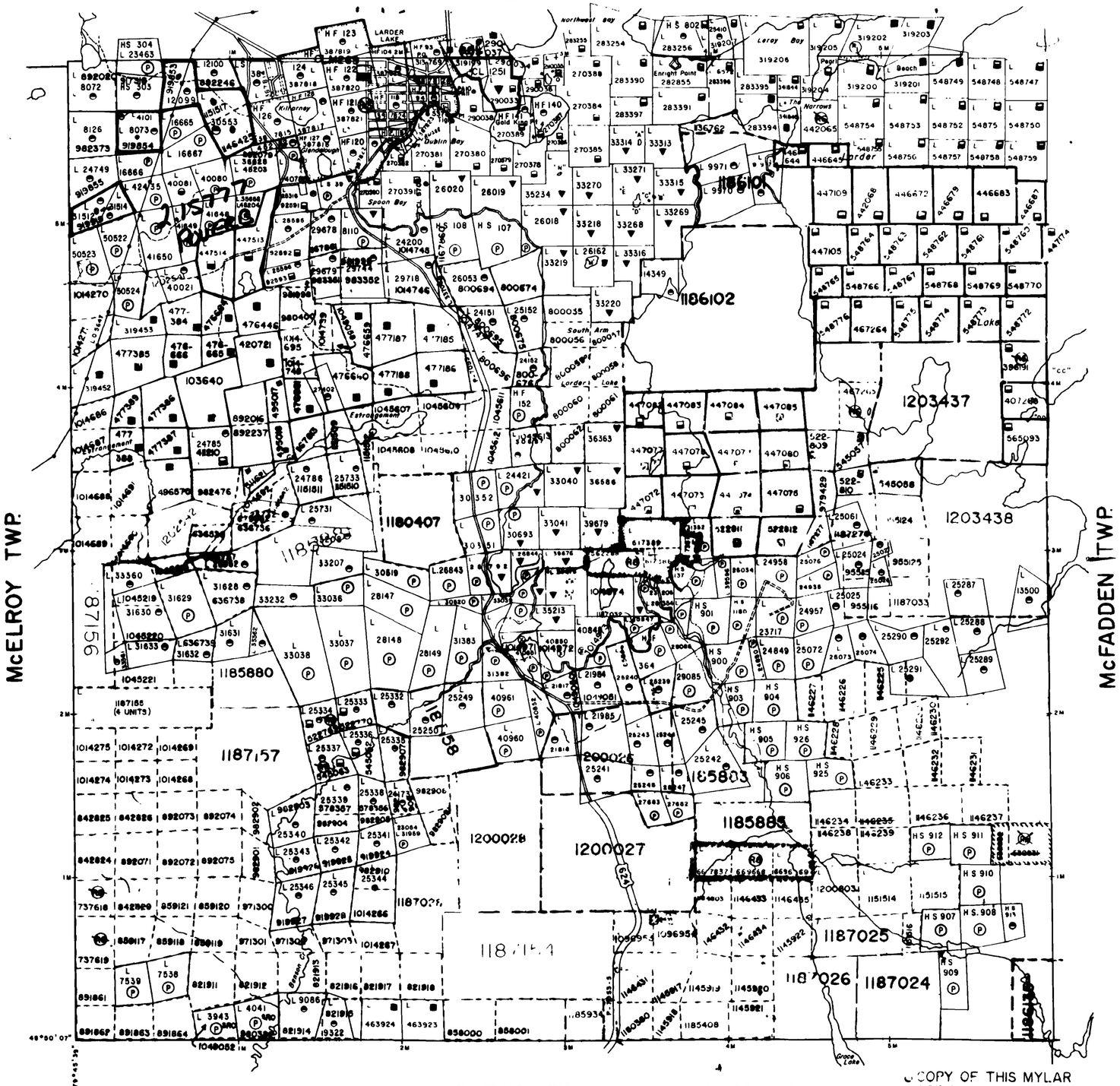
M.+ S. – MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
R1	SURFACE RIGHTS WITHDRAWN FROM STAKING Section 36/80 ORDER NO. W14/80				
R2	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W65/84				
	O-LM-90 NR OPENS W65/84				
R3	MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W9/85				
	O-L16-89 OPENS PART OF W9/85				
R4	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W17/85				
	O 32/85 OPENS W 17/85				
R5	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W36/85				
	O-22/85 OPENS W 36/85				
R5	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W38 85				
	O-L8-90 OPENS PART OF W8/86				
	O 24/85 OPENS PART OF W38/85				
	O 25/85 OPENS PART OF W38/85				
	O 26/85 OPENS PART OF W38/85				
	O 63/87 OPENS PART OF W38/85				
	O 97/87 OPENS PART OF W38/85				
	O-L6-90 OPENS PART OF W38/85				
	O-L8-90 OPENS PART OF W38/85				
R6	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W7/86				
	O 74/86 OPENS PART OF W7/86				
	O 98/87 OPENS PART OF W7/86				
	O-L10/90 OPENS PART OF W7/86				
	O-L4-90 OPENS PART OF W7/86				
	O-L8-90 OPENS PART OF W7/86				
	O-L10-90 NER OPENS PART OF W7/86				
R7	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W8/86				
	O 64/87 OPENS PART OF W8/86				
	O 23/88 OPENS PART OF W8/86				
	O-L7-90 OPENS PART OF W8/86				
	O-L10-90 NER OPENS PART OF W8/86				
	O-L38-90 NR OPENS PART OF W8/86				
	O-L31-90 NR OPENS PART OF W8/86				
R8	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W9/86				
	O-L7-90 OPENS PART OF W9/86				
R9	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W61/86				
	O 75/86 OPENS W61 86				
R10	SURFACE & MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO. W50/86				
	O-8/88 OPENS PART OF W50/86				
	O 60/87 OPENS PART OF W50 86				
	O-L2-90 OPENS PART OF W50/86				
	O-L10-90 NER OPENS PART OF W50/86				
	O L-33/90 NER OPENS PART OF W50/86				

NOTES

Township of Hearst lies entirely within the CORPORATION of the TOWNSHIP OF LARDER LAKE

STAKING OF MINING CLAIMS WITHIN THE TOWN OF LARDER LAKE SHOWN THUS [redacted] SUBJECT TO SEC 37(b) OF THE MINING ACT R.S.O. 1970



NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE [redacted] MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE NEAR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. [redacted] SWASTIKA, ONT. P0K 1T0 [redacted]

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.

COPY OF THIS MYLAR ARCHIVED ON APR.15/92

MYLAR REVISED SEPT. 25/92
ARCHIVED SEPTEMBER 22, 1994

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	P. or. ●
" SURFACE RIGHTS ONLY	P SRO or. ◓
" MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	▬
" MINING RIGHTS ONLY	▪
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)

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

SCALE 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

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

DATE OF ISSUE

JAN 9 [illegible]

LARDER LAKE MINING RECORDER'S OFFICE

TOWNSHIP

HEARST

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

TIMISKAMING

Ontario Ministry of Natural Resources — Land Management Branch

Date FEBRUARY, 1985

Number G-3213

TRIM LINE

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No	Date	Disposition	File

(RI) SURFACE + MINING RIGHTS WITHDRAWN FROM STAKING SECTION 36/80 ORDER NO W 16/86
9-L21-90 NR OPENS W18/86 NOV 19, 1990

SAND AND GRAVEL

M.N.R. GRAVEL File 179165

GRAVEL PIT File 113703

M.N.R. GRAVEL File 160982

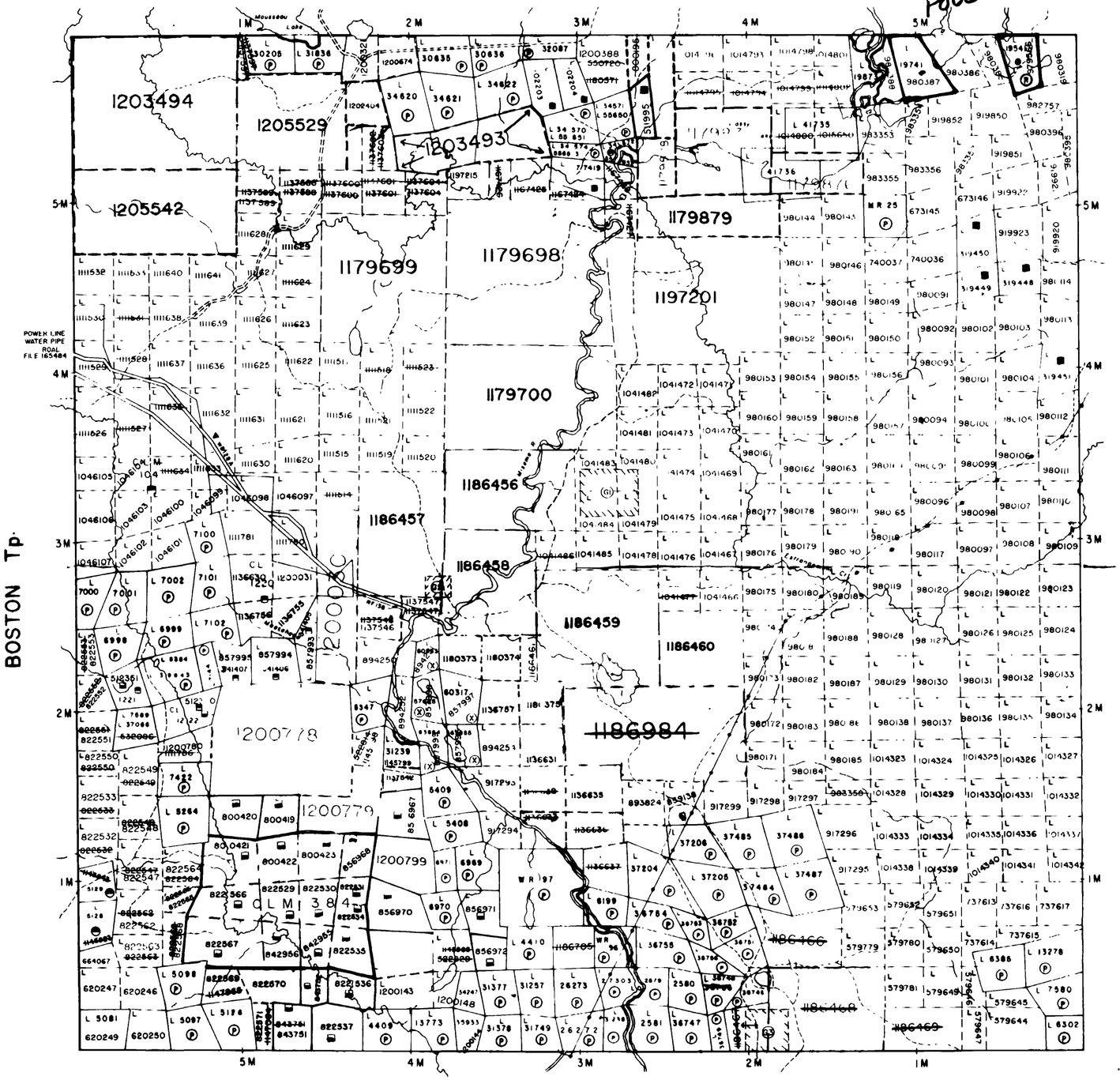
✱ APPLICATION FOR SURFACE RIGHTS PARTS UNDER PUBLIC LANDS ACT

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

"NOTICE OF FORESTRY ACTIVITY"
THIS TOWNSHIP / AREA FALLS WITHIN THE TIMISKAMING MANAGEMENT UNIT
AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129
SWASTIKA, ONT.
P0K 1T0
705-642-3222

GAUTHIER Tp.

2,15777 POWERB



COPY OF THIS MYLAR ARCHIVED MAY 11/92.

COPY OF THIS MYLAR ARCHIVED NOV 04/93

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	(P) or ●
SURFACE RIGHTS ONLY	◓
MINING RIGHTS ONLY	◒
LEASE SURFACE & MINING RIGHTS	■
SURFACE RIGHTS ONLY	◧
MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	LO or ▼
ORDER IN COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)

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

SCALE 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 500 1000 2000 3000 4000 5000 6000 7000

DATE OF ISSUE
JAN 9 199[illegible]
LARDER LAKE
MINING RECORDER'S OFFICE

TOWNSHIP
McELROY

M N R ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
MINING DIVISION
LARDER LAKE
LAND TITLES / REGISTRY DIVISION
TIMISKAMING

Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
JANUARY, 1985	G-3214

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