2.26637

Evaluation of the Exploration (Cu-Au-Ag) Potential
on the
TILLY LAKE / TILLY CREEK mining property
for
6078559 CANADA Inc.

Thunder Bay; November 05, 2003

By: Claude Larouche, consultant
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Table of Content

Introduction

The exploration target on this property is for a **large tonnage, low grade copper-gold deposit.**

The mining property consists of 11 non-patented mining claims, located approximately eighty (80) kilometres west of Thunder Bay, within the Shebandowan portion of the Wawa - Abitibi Greenstone Belt, Thunder Bay Mining District of Northwestern Ontario.

The geology of the property consists of diorite and or gabbro lenses intruded within meta-sediments along with rare feldspar porphyry dykes.

Location and Access

Claims are located within the Powell Lake area, approximately 80 km west of the city of Thunder Bay. The claims are accessible by Great lake Timber logging roads.

Claims

The claims are recorded under the names of:

(50%)	Costy Bumbu Thunder Bay, Ontario	(50%)	Robert Poirier Atikokan, Ontario

The claims also straddle the boundary between Moss township and Tilly Lake claim map.

Claim #	# of units	Recording Date	Assessment work due per year
TB-3001511	10	2002 JUL. -31	$ 4,000
1246765	16	2001 MAY-24	$ 6,400
1246766	12	2001 MAY-24	$ 4,800
1246767	8	2001 JUN. –27	$ 3,200
1246769	6	2001 JUN. –27	$ 2,400
1246770	9	2001 JUN. –27	$ 3,600
1246771	6	2001 JUN. –27	$ 2,400
3001649	5	2002 OCT. –23	$ 2,000
3009583	3	2002 AUG. –28	$ 1,200
3009584	3	2002 AUG. –28	$ 1,200
3010481	8	2003 SEP. –10	$ 3,200

Previous Work

No record of previous work on the property under study has been found in the government assessment work files. The original Cu-Au discovery in the Northwest portion of the claims, is credited to Cyb Poirier. Soon after, the claims were optioned to Noranda Exploration in 1990.

Noranda Exploration completed systematic work in the Northwestern part of the claims.

A ground magnetic survey was completed by Noranda in 1990 along a grid of lines oriented at degrees. The in house interpretation of Noranda concluded that:

- magnetic trend ostensibly east-west, parallel to local schistosity
- no apparent differences between sediments and diorite
- within diorite, narrow magnetic linears possibly later dykes of more mafic phase
- magnetic response appears to be marginally lower in zone of alteration and mineralization
- several narrow magnetic highs are observed within and flanking the mineralized zones. These appear to map lenses of pyrrhotite mineralization and/or possibly weak magnetic alteration.
- Magnetic survey is useful to map pyrrhotite lenses, sometimes occurring with the mineralized zones

The IP (Induced Polarization) /Resistivity survey permitted to conclude that:

- the low resistivity feature are generally narrow and likely map shear zones
- in the Eastern portion of the property, several zones of lower resistivity are defined. These correspond with the altered and mineralized portions of the diorite
- the IP survey defined a minimum of four anomalous zones with associated lower resistivities. These zones are generally narrow features within a broader background envelop which roughly maps the limits of alteration.
- The more intensely altered and/or mineralized areas display lower resistivities. Identification of lower resistivity zones appears to be a prerequisite in mapping exploration targets.

Diamond drilling was completed by Noranda in 1990. A total of 4 diamond drill holes investigated geophysical anomalies.

Hole #	Easting	Northing	Az	Dip	Casing	Length
90-01	655E	265N	340	-45	4.9m	104.0m
90-02	1000E	015N	340	-45	9.6m	116.0m
90-03	800E	180N	340	-45	4.8m	107.0m
90-04	1200E	430S	350	-45	6.8m	122.0m

Results of diamond drilling

DDH-01 returned from 21m to 27m, a section of 8.0m grading 0.10 g/t Au in biotite- chlorite-epidote-silica (albite) altered diorite. A second zone from 65m to 74m returned 0.20% Cu over 9.0m.

DDH-02 intersected from 43m to 53m, 0.10% Cu over 10.0m with negligible Au, in a zone of chlorite-hematite-epidote altered quartz diorite with 2-5% disseminated pyrite and a chlorite, hematite epidote silica (albite) altered diorite with 2% pyrite and local narrow stringers with chalcopyrite.

DDH-03 cut 0.22% Cu over 33.0m from 57m to 90m, including 0.35% Cu over 18.0m (65m to 83m) in a biotite-chlorite-hematite-silica (albite) altered diorite.

DDH-04 was drilled through weakly altered to un-altered sediments intruded by 2 feldspar porphyry dykes containing 0.5% disseminated pyrrhotite. Copper values were less than 0.01% and gold values ran up to 0.37 g/t.

C. Bumbu in 1997, made significant discoveries in the southeastern part of the mining property, outside the area investigated by Noranda. The results have been included in an Opap report (opap 97-064) which is available within the assessment work files at the Ministry

Still on the Southeastern part of the claims, Tandem Resources Inc completed a systematic ground geophysical survey in 1999. This exploration work included a grid of lines, magnetic survey, VLF-Em 16 survey and HLEM survey. One diamond drill hole was completed in 2000.

Numerous companies have visited this new discovery Cu-Au discovery and provided the registered owner with the results of the data collected. A copy of the data collected by Inco, Pele Mountain Resources Inc. and the Ministry is attached to the present report

Local Geology

The mining claims lie near the boundary between the Shebandowan portion of the Archaean Abitibi Wawa Greenstone Belt and the meta-sedimentary Belt.

Lithologies in the area have been metamorphosed to greenschist facies and have been intruded by a series of mafic to felsic intrusives, including quartz diorite and feldspar porphyries in the northwestern part of the claims. In the southeast portion of the claims, similar intrusions have been located recently.

In the Northwest part of the property, Tilly Lake showing, disseminated sulphide mineralization has been found within the diorite, felsic porphyries amd meta-sediments.

Noranda completed detailed mapping of the northern and western parts of the present block of claims. Mapping was completed at the metric scale of 1 = 5,000. The original grid of lines included a 2.4 km base line oriented at 70 degrees, with lines at 200 m spacing. They were investigating the potential of the area for similar gold deposit such as Moss Lake.

The property consists of meta-sediments (phyllites and arenites) that have been intruded by a diorite body in the northwest part of the claims and a diorite/gabbro in the southeast portion of the claims.

In the northwest part of the claims, assay results from grab samples range from nil up to 13.30 g/t gold and 4.2% copper. The highest gold and copper results were observed in the eastern portion of the diorite lens.

Mineralization and Alteration

Sulphide mineralization (pyrite and chalcopyrite) occurs within both the diorite and meta-sediments within quartz stringers, fractures, quartz filled diorite breccia zones and as scattered disseminated grains (fine to coarse).

Anomalous mineralization has been noted in several localities in the NW portion of the claims, but the extend of mineralization is unknown. Pervasive but varying epidote alteration was noted along with potassic and albite alteration (halos about fractures). Chlorite alteration was found within the diorite, quartz stringers and in some casa anomalous sulphide mineralization. Sericite formed within the shear bands.

Forty nine (49) whole rock analyses were collected by Noranda. The purpose of the survey was to determine any chemical alteration that may correlate to Cu-Au mineralization. Anomalous values of Sr, Na2O and K2O were noted but the data has not been evaluated in depth.

A series of grab samples were collected and returned the following results:

Au:	0.17 g/t	to	1.37 g/t
Ag:	2.74 g/t	to	30.85 g/t
Cu:	11,000 ppm	to	42,000 ppm

High grade gold and copper values were also collected from the SE part of the claims.

Recent Work

During the month of April 2003, a limited diamond drill program was initiated in the SE part of the claims, in order to follow up on the work initiated by Tandem Resources Inc.

11 drill holes were completed in the area of the trenches and two drill holes (-04 and –11) tested HLEM anomalies outside of the trenches.

A table giving the statistics on the diamond drilling is attached to the present report.

Conclusions

In the Northwestern part of the claims, Noranda observed that:

Sulphide mineralization (py-cpy) occurs within both the diorite-granodiorite and meta-sediments as disseminated grains and within quartz flooded structures as disseminated to massive sulphides.

Pyrrhotite and bornite were observed within the diorite but not as commonly as pyrite.

Cu mineralization is associated with the intensely altered portions of the diorite containing anomalously high gold values.

Alteration within the diorite varies in intensity but is similar in character to the "Moss Lake deposit" located to the east.

Pervasive epidote alteration occurs throughout the diorite. Chlorite alteration also varies in intensity from patches along fractures to ubiquitous within quartz flooded areas.

Hematite and potassic alteration are usually weak and are restricted along features associated with quartz flooding.

Silica and/or albite alteration is more subtile in appearance and affects all of the diorite.

The diorite becomes more siliceous to the west.

Sericite is formed within the intensely altered zones as well as along narrow (1 to 2 m wide) shear.

Noranda's conclusion: the alteration within the Tilly Lake diorite is very similar to that observed on the Moss Lake property. Additional trenching and drilling is required to test the strike extension of the Cu +/- Au bearing zone, as well as other geophysical/geological targets.

The recent diamond drilling in the southeast part of the claims encountered similar alteration and mineralization. A surface grab sample collected by Inco (ahead of hole ML-03-02) returned 8.0% Cu, 0.35 opt Au and 11.0 opt Ag. (photo of sample attached to report).

Diamond drilling underneath these good Cu-Au showings did not returned any significant gold values. The 237 samples were analyzed only for gold.

It is recommended to complete a detailed study of the surface geology, mineralization and complete a limited program of channel sampling within the existing trenches.

References

Larouche C. (1997)
New Gold and Copper Discovery, Results of prospecting, Tilly Lake & Tilly Creek mining property, Costy Bumbu, opap 97-064, November 1997 by C. Larouche, Ovalbay Geological Services Inc.

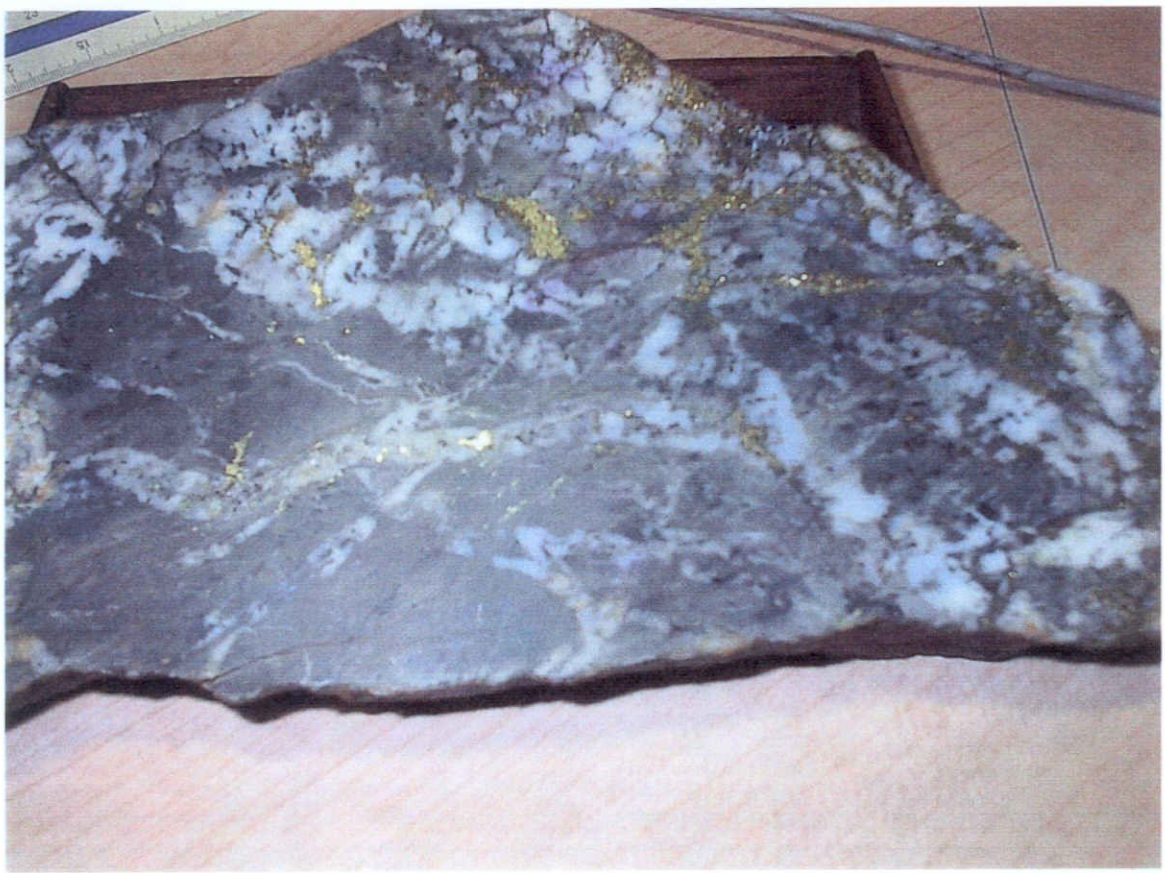
Noranda Exploration (1990)
Report of Work, Tilly Lake Venture, NTS 51B/10, Northwestern Ontario Division, Noranda Exploration Company Limited by Peter Chubb, contract geologist, June 19, 1990

Noranda Exploration (1990)
Report of work, Geological mapping, trenching and diamond drilling programs, Tilly Lake Venture, NTS 52B/10, Northwestern Ontario Division, Noranda Exploration Company Limited by Kevin Thomson September 25, 1990

Noranda Exploration (1990
Report on Geophysical Surveys, Tilly Lake Venture, NTS 51B/10, Northwestern Ontario Division: Noranda Exploration Company Limited by John Gengerick, division geophysicist, October 17, 1990

Hole #	Easting Nad 27	Northing Zone 15	Elevation	Azimuth	Dip	Length metres	Started d/m/y	Finished d/m/y	Casing left
ML-03-01	657428	5375590	438	110	-45	51	15/04/03	15/04/03	No
ML-03-02	657408	5375521	434	140	-55	137	17/04/03	18/04/03	No
ML-03-03	657442	5375511	437	130	-45	102	16/04/03	17/04/03	Yes
ML-03-04	657212	5375933	425	140	-45	136	20/04/03	21/04/03	No
ML-03-05	657419	5375553	435	140	-45	51	15/04/03	15/04/03	No
ML-03-06	657610	5375669	439	145	-50	75	14/04/03	15/04/03	No
ML-03-07	657419	5375553	435	140	-70	61	15/04/03	16/04/03	No
ML-03-08	657516	5375611	439	140	-45	102	18/04/03	18/04/03	No
ML-03-09	657655	5375714	436	140	-45	63	18/04/03	19/04/03	No
ML-03-10	657355	5375497	433	140	-45	141	19/04/03	20/04/03	No
ML-03-11	656540	5374483	425	130	-50	174	21/04/03	23/04/03	No
T-00-01	657715	5375763	436	140	-45	100			No

Statistic on the Diamond Drilling completed on the Tilly Creek mining property



Inco

Inco Technical Services Limited
Exploration, Copper Cliff
MEMORANDUM

TO R.W. Grant/D.R. Burrows

FROM W.D. Vanderklift DATE July 8, 2002

SUBJECT **TILLEY CREEK CU-AU-AG PROSPECT: NEWLY DISCOVERED CU-AU-AG ZONE**

Note: This report contains confidential and/or proprietary information that is either generated by ITSL and its joint venture partners or acquired from others under obligations of confidentiality

Recommendation

Further technical evaluation is recommended for the Tilley Creek property held by C. Bumbu.

Background

In late May 2002 a property exam was carried out to evaluate the potential of a newly discovered Cu-Au-Ag mineralization in the Quetico sediments. The Tilley Creek occurrences are **new** copper-gold-silver occurrences discovered in the fall of 2000 by Thunder Bay prospector Costy Bumbu. The new Cu-Au-Ag prospect lies in Tilley Township in NTS 52-B-10.

The Tilley Creek Cu-Au property consists of eight claim blocks (62 claim units) and is located approximately 20 km west of Thunder Bay, Ontario. Access is easily obtained via active new logging roads connecting to the main Swamp Lake logging road. The Swamp Lake road branches from Highway 11 some 90 km west of Kashabowie, Ontario (Figure 1).

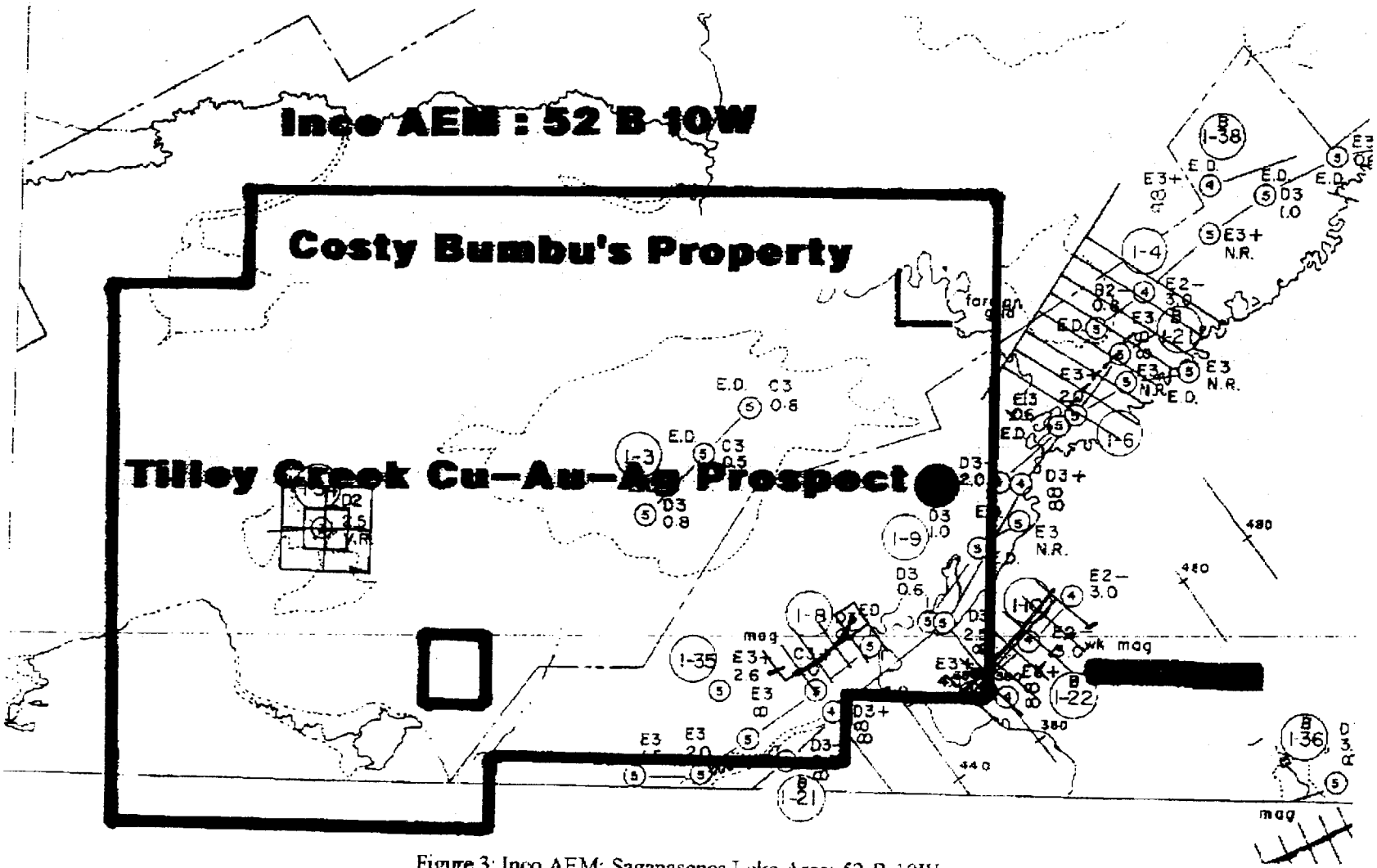


Figure 3: Inco AEM: Saganasonas Lake Area: 52-B-10W

Alteration assemblages include epidote-biotite-chlorite-hematite-silica/albite occurring as alteration halos around massive to semi-massive sulphide lenses of chalcopyrite-pyrite-pyrrhotite-bornite up to 5 m thick.

Detailed mapping of all nine trenches was undertaken to properly document the mineralization and the structure in which it occurs and how that relates to the regional geological picture. Sampling consisted of two chip and 15 grab samples. Further stripping is warranted to determine the full extent of the mineralized zone along strike.

There has been no historical exploration or diamond drilling on the Tilley Lake Cu-Au-Ag prospect. **The property should be considered for option.**

Assay results of the property exam done May 24, 2002.

Sample			Au	Ag	Cu	Zn
Description			ppb	ppm	ppm	ppm
RX 310909	Check		16			
RX 203925	Tilley Creek	Grab Sample	490	45	8,010	320
RX 203926	Tilley Creek	Grab Sample	518	40	2,540	120
RX 203927	Tilley Creek	Grab Sample	4,730	44	28,500	1,380
RX 203928	Tilley Creek	Grab Sample	992	30	13,200	840
RX 203929	Tilley Creek	3 m chip	418	18	4,380	120
RX 203930	Tilley Creek	Grab Sample	352	19	10,380	160
RX 203931	Tilley Creek	2 m chip	1,590	39	13,430	700
RX 203932	Tilley Creek	Grab Sample	60	<1	750	120
RX 203933	Tilley Creek	Grab Sample	60	1	1,240	60
RX 203934	Tilley Creek	Grab Sample	2,750	54	44,600	1,020
RX 203935	Tilley Creek	Grab Sample	2,640	52	19,580	760
RX 203936	Tilley Creek	Grab Sample	1,705	110	22,900	980
RX 203937	Tilley Creek	Grab Sample	300	33	3,650	160
RX 203938	Tilley Creek	Grab Sample	44	4	1,920	20
RX 203939	Tilley Creek	Grab Sample	1,230	90	3,890	1,260
RX 203940	Tilley Creek	Grab Sample	492	100	56,100	3,660
RX 203941	Tilley Creek	Grab Sample	3,190	53	78,800	1,040

/dl:rwg
Attachment
x.c.: R.C. Bell
B.R. Booth
C. Farrow
File

Pele Mt.

(1)

Tilly Lake Showing - Costy Bumbu Property

The Tilly Lake showing was visited by PMD, Jim Reeves and Spencer Vatcher of Pele Mountain Resources Inc. guided by Mike Fogan Jr. on November 15. The showing is located approximately 20 km by road from the Rainbow Camp approximately 5 km past Tilly Creek. It was discovered by Costy Bumbu while he was checking new woods roads in the spring of 1997. Costy has since carried out a couple of trenching programs to expose the zone. Snow cover (10 cm) made it difficult to properly evaluate the area.

The showing is a shear zone in altered (iron carbonatized), sheared sedimentary units which carry partially boudinaged quartz veins. It is exposed in trenches on both sides of the road, giving a width of at least 25 m, with the foliation and zone trending 050 deg./65 deg. north. The quartz veins, which vary from 2-3 cm to 10-12 cm wide, are partially boudinaged and carry up to 50 % sulphides as pyrite and chalcopyrite. No other base metal sulphides were noted. Pyrite was also found as disseminations and euhedral crystals along fractures in the host rocks. Flat folds (with axes horizontal) were noted in the quartz veining. Some scattered cross cutting bull quartz veins were also noted. These appear to be younger and do not contain sulphides in most cases. The zone is exposed in trenches 50 m apart along strike. MF indicates that CB has traced the zone for 1-2 miles to the southwest.

Results

Samples TL - 97-1-9 (Numbers 29368 - 76) were taken. Samples were assayed for Au by fire assay and ICP 32 by Acurassay Laboratories in Thunder Bay, ON. Complete assay results are attached as an appendix..

Three significant gold assays were located:

29368 (TL-97-01) - N. Trench - 0.5 m chip - 19.55 g/T Au, 51.1 g/T Ag, 132 ppm Cu, 0.1 % Pb
29371 (TL-97-04) - N. Trench - grab - 1.35 g/T Au, 39.2 g/T Ag, 1.44 % Cu, elev Cd
29372 (TL-97-05) - S. Trench - 0.6 m chip - 6.04 g/T Au, 66.7 g/T Ag, 2.25 % Cu, elev Bi

In addition a number of high silver / copper values, with low Au values, were also located:

29370 (TL-97-03) - N. Trench - grab - 0.40 g/T Au, 43.6 g/T Ag, 2.69 % Cu
29373 (TL-97-06) - S trench - 1 m chip - 0.07 g/T Au, 20.0 g/T Ag, 0.67 % Cu
29375 (TL-97-08) - Trench 100 m E - grab - 0.48 g/T Au, 75.8 g/T Ag, 1.36 % Cu, elev Bi,Zn
29376 (TL-97-09) - Trench 100 m E - grab - 0.16 g/T Au, 17.2 g/T Ag, 0.11 % Cu

Samples from the zone are also generally elevated in Bi (41-307 ppm); Cd (12.5-23.6 ppm); Cu (132-26948 ppm); and Zn (408-853 ppm).

Discussion

The highest Au value (19.55 g/T) in sample TL-01 does not carry significant base metal values (highest 0.1 % Pb) and the highest Cu value (2.69 %) in sample TL-03 gives only weak gold values of 0.4 g/T. Gold appears to be associated with pyrite as opposed to chalcopyrite as Fe and S values are high in the anomalous gold samples, while copper values do not correlate well. Silver and gold values also do not correlate, with the highest Ag value (75.8 g/T) in TL-08 correlating with a gold value of only 0.48 g/T although the highest gold value (19.55 g/T) in TL-01 does give a silver value of 51.1 g/T. The elevated Bi, Cd and Zn values show a coincidence only with high Cu values. Lead values are low throughout with the highest (0.1 %) associated with the highest Au value of 19.55 g/T in TL-01.

Recommendations

Further work is required in the area. This work should consist of gridding / soil geochemistry / geophysics (VLF-EM, Mag) centred on the showing. The trenches should also be geologically mapped and channel sampled to determine the values, widths and association of the mineralization.

Costs

The costs for assessment purposes include 2 MD (PMD,JR,SV,MF - one half MD each) at a cost of $550 plus the assay costs of 9 samples (TL-97-01 to 09) for fire assay gold and ICP 32 at $16.00 each for a total of $144 giving a total cost of $694.

Respectfully submitted,

Peter Dimmell, P.Geo.
Exploration Consultant
December 6, 1997

append
tlcbde97.rep

ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

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-/o SONIC SOIL SAMPLING INC.
.68 MILLWAY AVE, UNIT 15 & 16
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..4K 1V2

Nov 26, 1997

Job #9741040

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %
29368	51.1	0.41	35	10	96	0.5	<3	0.35	14.4	54	661	132	3.30	0.15	2	0.27
29369	2.8	1.43	23	9	67	0.8	<3	0.08	<.5	31	378	3147	4.36	0.06	11	1.24
29370	43.6	0.48	44	<5	41	0.4	41	0.05	12.5	127	303	26948	11.42	<.01	2	0.32
29371	39.2	0.09	13	6	29	0.4	96	0.02	14.4	43	474	14454	4.23	<.01	<1	0.07
29372	66.7	0.20	19	8	31	0.6	307	0.05	23.6	59	457	22456	6.13	<.01	2	0.13
29373	20.0	1.07	16	11	64	0.6	<3	0.18	14.0	14	340	6719	4.54	0.04	13	0.90

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Se PPM	Si %	Sn PPM	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
29368	359	39	0.01	39	382	1060	1.61	4	<5	0.01	<5	17	0.03	26	<2	408
29369	308	1	0.02	46	628	<2	0.92	8	<5	0.01	8	4	<.01	27	<2	60
29370	144	<1	<.01	101	168	27	8.13	<2	<5	0.02	14	2	<.01	12	7	666
29371	54	<1	<.01	44	44	13	3.27	5	<5	<.01	6	1	<.01	10	2	434
29372	89	<1	<.01	60	66	39	4.01	<2	<5	0.02	6	2	<.01	8	416	853
29373	225	2	<.01	45	608	<2	1.85	<2	<5	0.01	<5	6	<.01	16	<2	531

ertified By:

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Nov 26, 1997

Job #9741040

MPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %
29374	0.3	1.35	26	7	58	0.8	<3	0.17	<.5	24	389	221	3.42	0.04	20	1.21
29375	75.8	0.96	35	<5	39	0.8	100	0.07	15.4	77	389	13646	7.39	0.01	8	0.84
29376	17.2	0.06	48	<5	36	0.5	<3	<.01	<.5	73	449	1145	7.60	<.01	<1	0.03

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Se PPM	Si %	Sn PPM	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
29374	244	<1	<.01	67	683	9	0.57	3	<5	0.01	<5	7	<.01	23	<2	48
29375	160	<1	<.01	57	384	10	5.23	<2	<5	0.01	12	3	<.01	19	9	680
29376	184	2	<.01	58	168	13	4.15	<2	<5	0.01	<5	1	<.01	9	3	27

'tified By:

TL-97-01	29368	15-Nov-97	sheared metased	<1%py	Tilly Lake	TL-1	N. trench, 0.5m chip	**19.560**
02	29369	15-Nov-97	qv+metased	5%py+cpy	Tilly Lake	TL-2	N. trench, 0.4m chip	0.069
03	29370	15-Nov-97	qv	8-10%py+cpy	Tilly Lake	TL-3	N. trench, boulder in place	0.396
04	29371	15-Nov-97	qv	8-10%py+cpy	Tilly Lake	TL-4	N. trench, grab	**1.351**
05	29372	15-Nov-97	qv+metased	5%py+cpy	Tilly Lake	TL-5	S. trench, 0.6m chip	**6.035**
06	29373	15-Nov-97	sheared metased.+qv	1-2%py+/-cpy	Tilly Lake	TL-6	S. trench, 1m chip	0.070
07	29374	15-Nov-97	metased.+qv	1%py	Tilly Lake	TL-7	S. trench, 0.4m chip	0.022
08	29375	15-Nov-97	sheared metased.+qv	3-5%py, 1-2%cpy	Tilly Lake	TL-8	S. trench~100m east, grab	0.479
09	29376	15-Nov-97	xcutting qv	3-5%py,+/-cpy	Tilly Lake	TL-9	as above, grab	0.156

Tilly Lk.
(Copy Binder)

3.06 g/t Au and 29 g/t Ag from the Pele zone (Resident Geologist's Files, Thunder Bay South District, Thunder Bay).

Hammond Reef Property

The Hammond Reef property is located on the east shore of Sawbill Bay, Marmion Lake, approximately 25km northeast of Atikokan. Its exploration history dates back to 1895 (Schnieders and Dutka 1985). The property reportedly produced 482 ounces of gold from 2283 tons of ore milled in 1897 and 1898 (ibid).. The Hammond Reef property is currently listed as having an audited resource of 2 569 000 ounces of gold in 85 500 000 t at a grade of 0.93 g/t (*Third Quarter Report, Pentland Firth Ventures Ltd., 1997*).

A property visit conducted in 1980 by the Atikokan Economic Geologist, Ministry of Natural Resources, led to the recognition of a system of quartz-carbonate veins hosted by a sheared and altered, massive tonalite, up to 152 m in width and over an estimated strike length of 2 km (McIlwaine et al. 1982). The potential for a sizeable gold resource was then suggested (ibid). Mapping by Stone et al. (1995) delineated a 6 km-wide, 40 km-long deformation zone at the western margin of the Marmion Lake batholith. The deformation zone consists of anastomosing mylonite zones and faults in which tonalite has been altered to sericite, chlorite, iron carbonate, epidote, saussurite, and green mica (ibid). The Hammond Reef property covers an elongate zone of highly altered granitic rock 8 km long by 0.8 km wide (*Annual Report, Pentland Firth Ventures Ltd., 1996*). The Hammond Reef mineralized zone consists of a stockwork of quartz-carbonate veins, hosted by altered, massive to gneissic tonalite, and altered, mafic dikes. The mafic dikes display a cataclastic texture and consist mainly of iron carbonate, chlorite and green mica. Where the tonalite has undergone saussuritization, the calcic plagioclase has been altered to a mixture of albite, epidote, sericite and carbonate, giving the rock a light, apple-green colour.

Quartz-carbonate veins strike 55° to 60°; major veins appear to be lenticular, *en échelon* lenses in the deformation zone. Mafic dikes strike 30° to 40° and 340°, suggesting that several, conjugate structural trends are present. In another location, a 110° structure appears to right-laterally offset an earlier, 40°-trending fracture. Some veins contain pyrite, ankerite, green mica, and lesser chalcopyrite, galena, tellurides and visible gold.

Five samples were collected by the Resident Geologist's program; assays are, at the time of writing, pending.

Tilly Creek Area

Figure 4 shows an area west and south of Moss Township known as the Tilly Creek area. This area has received a mineral exploration boost in 1997 as a direct result of an OPAP-funded discovery by prospector, C.Bumbu. In 1997, the Thunder Bay District Geologist made a "first-round" attempt to locate the various occurrences with GPS equipment and to plot them accurately (i.e. +/- 5 m) on a basemap. Main logging and access roads were also compiled on the map using GPS technology. The geology has been generalized from work by Harris (1970) and Osmani (1997). The following is a brief description of some of the copper-gold occurrences that display a spatial relationship to the Boundary fault zone as defined by Osmani (1997).

1) Tilly Creek Occurrences (C. Bumbu)

This property is located in the southwest corner of Moss Township (NTS: 52B10), west of the Obadinaw River and directly west of Shield Development Co. Ltd. patented claims. The UTM coordinates of the central pit area are UTM Zone 15U:5375432N, 657641E. Access to the property is by means of logging roads from Highway 11. The reader is referred to the attached location map for details of road access.

The Moss Township area has been the focal point for mineral exploration since the late 1800's, when Peter McKellar and his consortium developed what was to become the Moss Mine. The reader is referred to the Pele

THUNDER BAY SOUTH DISTRICT--1997

Mountain Resources write-up (*this report*).

The Moss township area was mapped by the Ontario Department of Mines and Northern Affairs in the summers of 1966 and 1967 (Harris 1970) and once again by the Ontario Geological Survey in 1991 (Osmani 1997). The reader is referred to Harris (1970) and Osmani (1997) for a synopsis of mineral exploration history of the area. The Mineral Deposit files and Assessment files in the Thunder Bay South District office should also be consulted.

The Tilly Creek occurrence is the newest of several copper-gold occurrences that occur along a trend that strikes subparallel to the Quetico subprovince -Wawa subprovince boundary through Moss Township. There is an apparent, spatial association between copper-gold-silver occurrences, the Quetico-Wawa subprovince boundary and the Boundary fault zone (Osmani 1997). These occurrences include those of K. Kukkee (Powell Lake), E. Kukkee and R. Kwiatkowski (Elephant Lake), C.Bumbu (Tilly Creek), A. Storey and Tandem Resources (Fogen Option), the Contact occurrence (Pele Mountain-Ken Kukkee option), as well as other occurrences held by International Geoventures, M. Schoor and Goldfields Canadian Mining (Resident Geologist's Files, Thunder Bay South District, Thunder Bay).

Northwest of the boundary, metasedimentary rocks of the Quetico subprovince predominate. They have been intruded by quartz-feldspar porphyries and gabbro (Harris 1970; Osmani 1997). Some areas that have been mapped as gabbro are, in fact, pillowed, mafic flows. This is especially true of an area between Tilly and Zephira creeks, where pillowed flows are in contact with Quetico metasedimentary rocks. Further study in this area may suggest redefinition and relocation of the Quetico-Wawa subprovince boundary. Rocks southeast of the boundary are mainly felsic to intermediate volcanic rocks that have been intruded by syenitic stocks, quartz- and quartz-feldspar porphyries. Iron formation and associated rocks are a minor, but noteworthy, component of the Shebandowan greenstone belt in this area (Osmani 1997).

Copper-gold-silver-mineralized rocks have been exposed in a series of 9 stripped areas, trenches and outcrops for over 650 m. The host rocks are clastic metasedimentary rocks of the Quetico Subprovince. A granodiorite or quartz diorite, mapped as gabbro by Osmani (1997) intrudes the metasedimentary rocks and is exposed on the ridge southwest of the stripped areas. The metasedimentary rocks trend 060°, with varying dips, and in places are severely sheared.

Chalcopyrite- and pyrite-rich, gold and silver mineralized rocks occur as quartz veins, in silicified zones and in shear zones within the metasedimentary package. Grab sample results by various geologists are tabulated as follows:

Sample Number	Cu	Au	Ag	Other
TL-2	3.78%	1715 ppb	49 ppm	
TL-4	1.26%	490 ppb	65 ppm	
TL-5	231 ppm	540 ppb	25 ppm	Hg: 440 ppb
TL-7	4.52 %	4080 ppb	53 ppm	
TL-8	2.30 %	350 ppb	24 ppm	Hg: 270 ppb
TL-9	3.38 %	780 ppb	38 ppm	
TL-11	3.27%	690 ppb	45 ppm	
TL-15	3.06 %	3400 ppb	67 ppm	Zn: 1000 ppm
TL-17	1.18 %	1340 ppb	68 ppm	
TL-19	6400 ppm	290 ppb	23.5 ppm	
TL-23	8500 ppm	430 ppb	36.8 ppm	
TL-24	2050 ppm	250 ppb	13.2 ppm	

Sample Number	Cu	Au	Ag	Other
CB-14	1.15%	410 ppb	17.5 ppm	
CB-15	4900 ppm	190 ppb	13.4 ppm	
CB-19	3600 ppm	400 ppb	23.8 ppm	
CB-20	1.52%		69.0 ppm	
CB-26	5.20 %	2210 ppb	>100 ppm	
CB-27	1.04 %	570 ppb	95 ppm	

(TL series of samples were collected within the stripped zones by Freewest Resources Canada Inc.; C. Bumbu collected the CB series)

Chip samples, collected by staff of the Resident Geologist's Program, returned up to 0.02 ounce Au per ton and 0.53% Cu over 2 m in Trench 5, and 0.006 ounce Au per ton and 0.68% Cu over 2 m, also in Trench 5.

Further stripping of the ridge southwest of the main trench area is warranted to determine the nature of the geological contact between the mineralized, metasedimentary rocks and the quartz diorite. The mineralized zone extends beyond the end of the ridge and at least one trench should be dug across strike, southwest of the ridge. Detailed geological mapping should be undertaken to properly document the mineralization, the structure in which it occurs, and how that relates to the regional, geological setting. A program of detailed channel sampling should also be undertaken. Rock blasting and trenching should be kept to a minimum, as it disrupts important geological and structural clues.

2) Elephant Lake Occurrence (Obadinaw Property)

This occurrence was discovered by an Ontario Department of Mines mapping crew in the summers of 1966 and 1967 and is mentioned by Harris (1970) in his recommendations for prospecting. The property consists of 19 contiguous, unpatented mining claims held by R. Kwiatkowski (50%) and E. Kukkee (50%). The main trenches are located at UTM 15:5373675N, 654460E. Access to the property is via a series of logging roads that trend southwest from Highway 11, from a point approximately 16 kilometers west of Kashabowie.

The property is situated within the Shebandowan greenstone belt. It lies north of the "Boundary fault zone" (BFZ), as defined by Osmani (1997). TheBFZ separates the Quetico metasedimentary rocks and the rocks of the Shebandowan greenstone belt. The host rock to the mineralization is the Obadinaw River granodiorite (Harris 1970). This granodiorite intrudes Quetico metasedimentary rocks as well as gabbroic sills within the Quetico metasedimentary package. Copper, molybdenum, silver, tungsten and gold mineralization is associated with quartz vein stockworks, silicified zones, and hydrothermal breccias.

In 1992, an OPAP-financed drill program intersected a 6.1 m section grading 0.021 opt Au, 0.28% Cu, and 0.08% Mo. Another hole was drilled in 1994, again with an OPAP grant, and it intersected a 90 m section that graded 0.10% Mo, 0.91% Cu, 0.82 ounce Ag per ton, and 0.036 ounce Au per ton. A silicified zone, located 1.6 km west of the main occurrence, yielded grab samples that assayed over 1% Cu, 0.045 ounce Au per ton , and 0.31% Mo. Grab samples, collected south of Elephant Lake, assayed as high a 0.893 ounce Au per ton, 14.3 % Cu , 0.87% Mo. Tungsten values were as high as 1000 ppm (Resident Geologist's Files, Thunder Bay South District, Thunder Bay). Additional OPAP grants in 1995 and 1996 allowed the owners to further delineate the zone by extensive stripping and trenching.

Aspects of this copper-molybdenum-gold-tungsten occurrence resemble 'porphyry-type' mineralization. The host rock and the structural control (brecciation, intense silicification) also tend to support this idea. However, no detailed study has been made to determine whether it is a 'porphyry-type' occurrence. Detailed mapping , including a regional study of the alteration patterns, would assist in the evaluation. Although it is too early to be certain, based on the amount of work done to date, this prospect appears to be of the 'high-tonnage, low-grade' type.

Tilly Creek

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Costy Bumbu
2816 Ridgeway E.
Thunder Bay, Ontario
P7E 5K3

June 16, 1999

Job# 9940544

SAMPLE # Accurassay	Customer	Copper %
1	2	1.86%
2	3	8.99%
3	4	7.97%
4	5	1.21%
5	7	1.47%

Certified By: _____

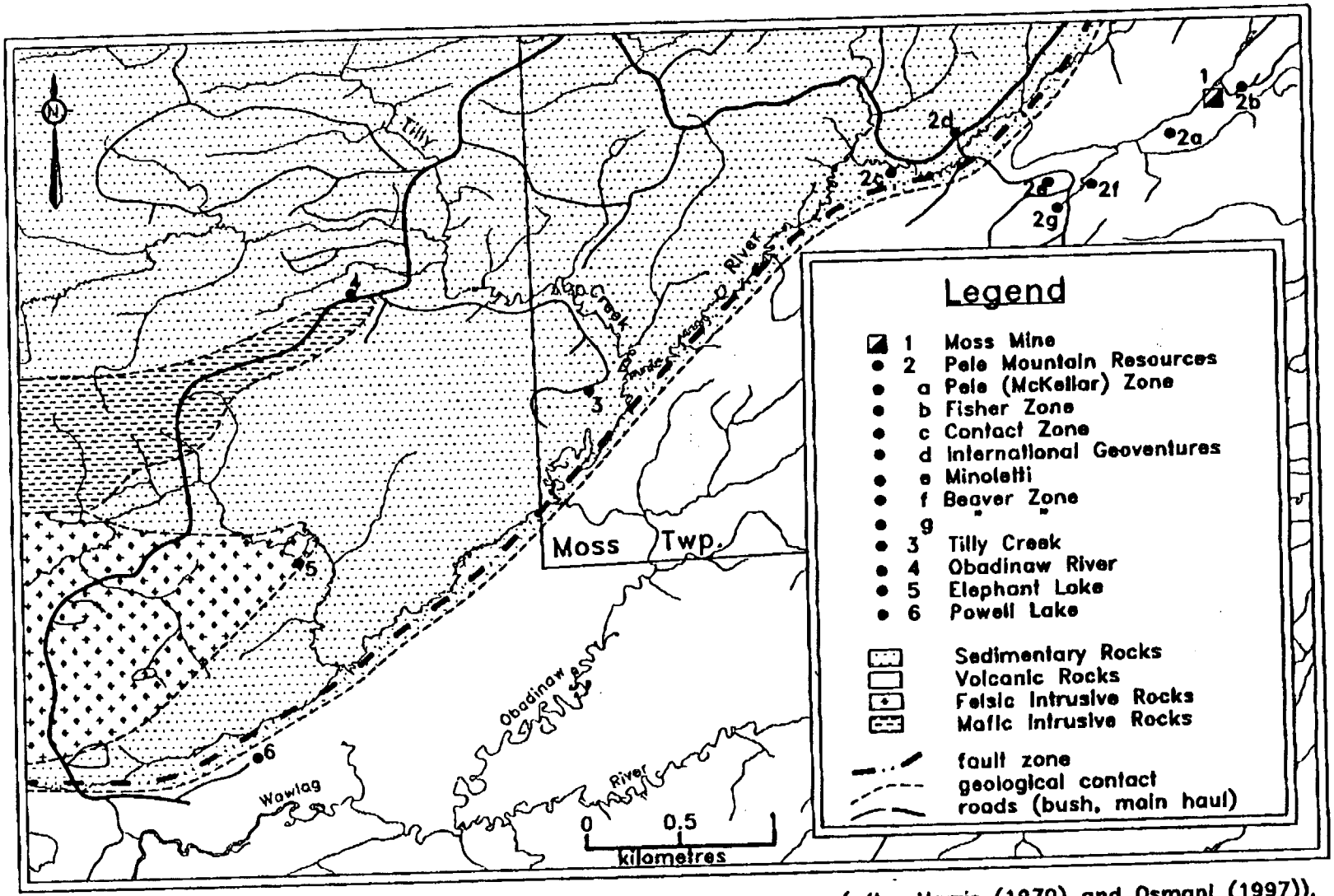


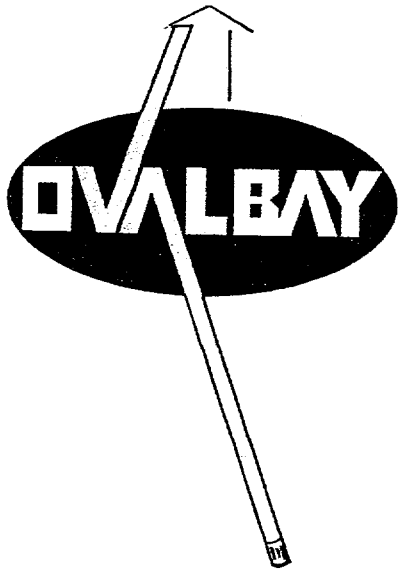
Figure 4. General geology and occurrences, western Shebandowan area (after Harris (1970) and Osmani (1997)).

Appendix 1

Diamond Drill Logs

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-01
Project Tilly Creek
Length 51.0m
Started Apr. 15th 2003
Completed Apr. 15th 2003
Easting 657428 NAD 27
Northing 5375590 ZONE 15
Grid Azimuth 110°

Logged by C. LAROUCHE
Claim # (s)

Target Au-Cu showing
Contractor CHIBOUGAMAU DIAMOND DRILLING
Core stored ON PROPERTY
Comments

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 CANADA INC PROPERTY: TILLY CREEK SHEET No. 1 of 5 HOLE #: ML-03-01

METRES		GEOLOGICAL LOG			ASSAY RECORED					
m. From	m. To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				TILLY LAKE Township	G-562					
				GPS NAD 83 657428E						
				5375590N	A7	110°	Dip	-45°	100%	
0.0	3.5	OV		OVERBURDEN						
				Sand, gravel						
3.5	9.2	S4		SILTSTONE						
				Fine grained, fairly massive fractured						
				4.5-4.9 more fractured, silicified hair-like fractures, trace py.						
				5.5-5.7 Diabase dyke or coarser grained sed.						
				7.5-7.8 more fractured, qtz-py stringers oriented at 45° CA core locally badly broken						
9.2	19.4	S3-2D		GREYWACKE OR DIORITE						
				Massive greywacke or sheared diorite pale green colour massive, 2-5% disemt py-po also stringy	219501	9.90	10.75	0.85		
					502	10.75	11.90	0.25		
					503	11.00	11.30	0.30		
				Bands of S4 at 60° CA po+py stringy slightly magnetic oriented at 50-60° CA						

PROJECT: ____________ PROPERTY: TiLLy CReek SHEET No. 2 of 5 HOLE #: ML-03-01

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				10.8-10.9 Qtz vein brecciated						
				and cemented with po + py +						
				minor cpy						
				11.0-11.3 Biotite Lamprophyre						
				dyke						
				11.3-12.3 Fractured, po + py + trace						
				cpy in strngs at 45°-78° CA	219504	11.30	12.30	1.00		
				also 1-2% dissmt sulphide						
				12.3-13.8 locally highly sil.	505	12.30	13.00	0.70		
				and brecciated, strngs of						
				massive po + py + tr cpy	506	13.00	13.90	0.90		
				low angle to 90° CA						
				13.8-15.3 fractured	507	13.90	15.00	1.10		
				massive strngs // to core						
				15.3-16.7 as above	508	15.00	16.20	1.20		
				16.7-18.0 less sulphides, more						
				qtz strngs	509	16.20	16.80	0.60		
				18.0-18.1 qtz vein + blebs						
				of sulphides (po-py-tr cpy)	510	16.80	18.00	1.20		
				18.1-18.3 mineralized irregular						
				strng at low angle to core	511	18.00	18.85	0.85		
				18.3-19.4 slightly mineralized						
				gradual ? lower contact	512	18.85	19.40	0.55		
				oriented at 60° CA						

PROJECT: _____ PROPERTY: Tibby Creek SHEET No. 3 of 5 HOLE #: MK-03-01

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
19.4	21.7	S4		SILTSTONE Grey colour, fine grained massive, slightly fractured massive qtz stringers trace Pyrite						
21.7	23.0	2D		DIORITE Darker grey fine to medium grained 1-3% dissem py fractured with irregular stringers of qtz contact @ 80° CA	219517	21.7	23.0	1.30		
23.0	40.3	S4		maybe Greywacke SILTSTONE Massive, fine grained bedding 75° @ 80° CA 25.5 irregular qtz + py stringers 25.5 - 29.5 massive siltstone some beds are coarser bedding 70° CA 29.5 - 40.3 good sedimentary bedding 1-3 cm thick oriented at 60°-80° CA						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 4 of 5 HOLE #: MH-03-01

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				local folding "M" at 35.5m						
				material is more argillite looking						
				rare fractures, trace py						
40.3	47.65	DD		Diorite						
				Massive grey colour, fine to medium grained,	29513	41.6	42.5	0.90		
				possibly few inclusions						
				of SH? Upper contact	514	43.6	44.4	0.80		
				at 35° CA // to bedding						
				minor dissem py	515	45.0	45.7	0.70		
				41.6-42.05 brecciated						
				silicified, qtz + semi-massive						
				py + trace Cpy veins						
				stringers oriented 40°-50° CA						
				43.6-44.4 2-3% dissem py.						
				qtz-sulphide fractures at						
				30° CA						
				45.0-45.7 fractured as above						
				qtz + py						
				lower contact at 80° CA						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 5 of 5 HOLE #: MH-03-01

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
49.65	50.5	S4		Siltstone Fine grained bedding 55-80° CA narrow sil. zones						
50.5	51.0	S4 alt		Altered Siltstone Fractured and brecciated silicified sericitized and pyritized	219516	50.5	51.0	0.50		
	51.0	End of hole								
				Period: April 15, 2003						
				Drilling Chibougamau Diamond Drilling						
				Casing left in place: No						
				Core stored on property						
				Claim # 1246765						

Claude Larouche
CLAUDE LAROUCHE

Ovalbay Geological Services Inc.

Diamond Drill Log

DDH ML-03-02
Project Tilly Creek
Length 137m
Started Apr 17th 2003
Completed Apr 18th 2003
Easting 657408 NAD 27
Northing 5375521 ZONE 15
Grid Azimuth 140°

Logged by C. LAROUCHE
Claim # (s)

Target Au-Cu showings
Contractor CHIBOUGAMAU DIAMOND DRILLING
Core stored ON PROPERTY
Comments

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: Tilly Creek SHEET No. 1 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				Tilly Lake Township	G-562					
				GPS NAD 83 657408 E						
				5375521 N	AZ	140	Dip	-55°	100%	
0.0	2.8	OV		OVERBURDEN						
2.8	7.3	S4		SILTSTONE						
				fine grained grey colour						
				thinly bedded at 75-80°CA						
				few rusty fractures, core						
				locally badly broken up to						
				5.0cm narrow beds of						
				greywacke fine to medium						
				grained						
7.3	8.1	Min Zone		MINERALIZED ZONE						
				Sediments highly silicified						
				+ minor py. breccia alteration						
				qtz flooding with fractures						
				of semi-massive sulphides						
8.1	9.0	S3		GREYWACKE						
				Massive						
9.0	9.6	2D		DIORITE						
				contacts @ 80°CA						

PROJECT: ______________ PROPERTY: Tilly Creek SHEET No. 2 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				medium grained clots of chlorite, dissmt py [illegible]						
				few strings of py + qtz // to core and 80° CA						
9.6	25.5	S3		GREYWACKE						
				9.6–11.2 slightly fractured, bedding at ~25° CA						
				11.2–12 altered and brecciated cemented with semi-massive py + qtz strings also Po. + trace cpy certain beds are highly sericitized (beige colour)						
				12.0–13.5 fairly massive thinly bedded at 80° CA						
				13.5–14.1 highly fractured and altered zone of greywacke qtz + sulphide filling fracture						

PROJECT: ______ PROPERTY: Tilly Creek SHEET No. 3 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				14.1-15.6 fairly massive fine to medium grained, thin qtz + py stringers + py patches						
				15.6-17.8 fractured with abundant qtz + py strngs 45-80°CA [illegible] altered zones po present						
				17.8-20.0 core becomes highly altered fractured and brecciated numerous qtz + py strngs + hair-like qtz stringers						
				20.0-21.0 highly silicified with 10 to 20% qtz veins/irregular, py at contacts and within wall rock						
				21.0-22.0 still highly altered and fractured with qtz + sulphide strings sections looks like [illegible]						

PROJECT: ____________ PROPERTY: Tibby Creek SHEET No. 4 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				22.0-24.2 Siltstone good bedding at 80°CA thinly bedded fine grained material						
				24.2-25.5 fine grained massive siltstone / bedding 75-80°CA						
25.5	28.1	2D		DIORITE Intrusive contact? fine to medium grained grey colour fractured with qtz + [illegible] stringers						
28.1	29.6	S3		GREYWACKE fractured and altered qtz-py along fractures of irregular orientation [illegible] [illegible]-like qtz fractures locally						
29.6	32.5	2D or S3		DIORITE OR GREYWACKE massive grey colour, fine to medium grained [illegible] fractures with qtz + sulphides						

PROJECT: ______ PROPERTY: Tilly Creek SHEET No. 5 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				33.2-34.3 fine grained highly altered (brownish black colour) much fine dsst py. center of section is rich in tourmaline ? + minor py. over 15 cm						
				34.3-35.6 massive fine to medium grained						
				35.6-36.0 other zone of highly altered brownish black colour, with vein 5 cm wide of material rich in tourmaline						
				36.0-37.5 locally highly fractured with py+qtz stringers [illegible] (looks more like sediments						
37.5	51.3	S3		GREYWACKE						
				37.5-39.0 highly altered (sericite, silica) highly						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 6 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				fractured with qtz - py along fractures and stringers						
				39.0 - 43.0 four zones of silicified argillite bedding 75° CA still fractured with fair-lit qtz material						
				43.0 - 46.2 highly altered zone with silica, lightly fractured and carbonate on fractures						
				46.2 - 48.1 still highly altered and silicified						
				48.1 - 48.6 core badly broken possible felsic dyke with dissem py.						
				48.6 - 49.4 less silicified and carbonated						
				49.4 - 50.2 altered zone with felsic dykes, 3% dissem py section is fractured and carbonated						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 7 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				50.3-57.3 highly fractured and altered						
57.3	57.7	ZD		DIORITE upper contact at 80° CA fine grained at contact becomes medium grained with chloritic clots 1-2% pyrrhotite also narrow py stringers						
				53.0-57.7 fractured and carbonated fine pyrrhotite 2%, also along fractures						
57.7	58.8	MIN ZONE		MINERALIZED ZONE Quartz vein 50cm wide with py-po-cpy highly altered sediment for last half of sample						
58.8	72.0	S3		GREYWACKE massive, fine grained						
				58.8-60.9 highly fractured and carbonated						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 8 of 10 HOLE #: ML-03-07

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				60.9-61.5 altered zone coarse tourmaline, minor py						
				61.5-63.6 grey colour, massive fine grained						
				63.6-64.3 fractured and altered						
				64.3-65.8 strongly altered carbonate, white qtz vein with coarse pyrite. Vein oriented @ 80° CA. 5cm bands of biotite brownish black colour core carbonated along fractures						
				65.8-69 Sil + carb + py core locally totally broken						
				69-72.0 highly fractured fine disseminated pyrite chloritic fractures						

PROJECT: ______ PROPERTY: TILLY CREEK SHEET No. 9 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
72.0	86.0	2D		DIORITE						
				fine to medium grained						
				72.0-81.0 grey green colour						
				massive locally						
				fractured / silicified carbonated						
				narrow zones of strong						
				biotite alteration. rare						
				qtz sulphide stringers						
				irregular orientation						
				81.0-86.0 highly fractured sil.						
				carb., few qtz-py veinlets						
86.0	95.2	S3		GREYWACKE						
				highly sheared and altered						
				sil-sericitized						
				chloritic foliation						
95.2	95.6	V7		BASALT						
				Faulted contact minor						
				gouge material						
95.6	96	FAULT		FAULT ZONE						
				gouge material						

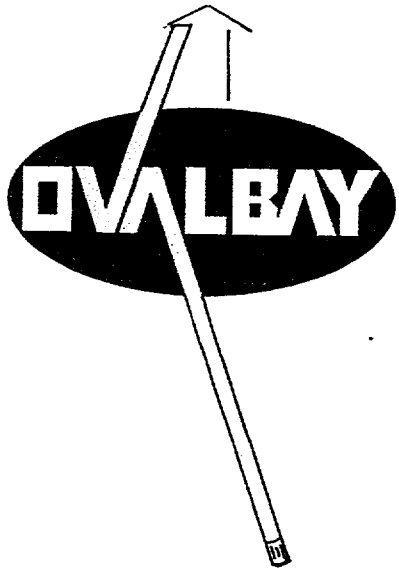
PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 10 of 10 HOLE #: ML-03-02

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
96	137	36-V7		Gabbro - BASALT green colour, highly sheared locally limits numerous stringers of qtz + carb.						
	137	End of hole								
				PERIOD: April 17-18 2003						
				DRILLING: Chibougamau Diamond Drilling						
				CASING LEFT IN PLACE No						
				CORE STORED ON PROPERTY						
				Claim # 1246765						

Claude Larouche
CLAUDE LAROUCHE

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-03
Project Tilly Creek
Length 102 m
Started Apr 16th 2003
Completed Apr 17th 2003
Easting 657442 NAD 27
Northing 5375511 Zone 15
Grid Azimuth 130°

Logged by C. LAROUCHE
Claim # (s)

Target Au - Cu showings
Contractor Chibougamau diamond drilling
Core stored on property
Comments

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: Tibby Creek SHEET No. 1 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
0.0	5.3	OV		OVERBURDEN				
5.3	7.2	S3		SEDIMENTS Altered sediments qtz-py-po stringers, core is lightly beige color (sericite) 5.3-6.3 m many strngs qtz-po irregular and slightly magnetic 6.3-7.2 Fractured				
7.2	11.4	2D		DIORITE Grey fine to medium grained, massive 7.2-8.3 fractured with irregular qtz-py-cpy strngs 8.3-9.7 qtz-carb? strngs mineral py, locally biotite? alteration close to certain strngs 9.7-10.3 numerous strngs qtz-po-py-cpy @ 80° CA and local angle to core 10.3-11.4 becomes lightly carbonated				
11.4	13.9	2D, bio		BIOTITE DIORITE massive, fine to medium grained				

ML-03-02 FAULT @ 95.5m
ML-03-03 FAULT @ 73.0m

HOLE #: ML-03-03

PROJECT: _____ PROPERTY: _____ SHEET No. 2 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				brownish colour, fracture with hair-like qtz stringers				
13.9	16.5	SD		SEDIMENTS fractured and altered 13.9-14.9 bedding // to core 25°-80° CA zones silicified with minor py 14.9-16.5 still fractured and altered				
16.5	18.1	DD		DIORITE Fine grained, massive 16.5-17.1 v.v. fractures 17.8-18.1 becomes highly altered beige colour (sericite) highly silicified with hair-like fractures, fine disemt pyrite local biotite? few irregular qtz py-po-cpy stringers				
18.1	25.9	MIN ZONE		MINERALIZED ZONE Highly silicified zone 18.1-19.1 qtz vein with hematite staining up to 3cm away from contact, core usually				

HOLE #: M6-03-03

PROJECT: _____ PROPERTY: _____ SHEET No. 3 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				sil. with hair-like qtz stringers beige colour (sericite) with fine disemt py.				
				19.1-19.9 more massive less fractures				
				19.9-20.9 highly fractured + sil one string with biotite alt. fine disemt py.				
				20.9-21.2 fractured few milky qtz stringers @ 45° CA 2-5% fine disemt py.				
				21.2-22.7 chalky brown colour highly sil beige colour (sericite) sections abundant milky (opal colour) irregular qtz stringers 1-5% disemt fine py.				
				22.7-24.0 still highly sil + sericitized, highly fractured with qtz-carb stringers				
				24.0-24.9 highly altered, fractured, carbonated				
24.9	25.9	QTZ VEIN		QUARTZ VEIN irregular diffuse qtz vein with stringers of subb-massive po (magnetic) and minor py.				

HOLE #: NL-03-03

PROJECT: _____ PROPERTY: _____ SHEET No. 4 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				qtz is also brecciated and cemented with spy + py center of vein is blk & qtz				
25.9	61.6	2D		DACITE OR WACKE 26.0 - 26.9 highly fractured silicified carbonated fine dissem py on fractures				
				26.9 - 28.4 slightly altered, sil + carb + fractured				
				28.4 - 29.8 more silicified + carbonated fine dissem py also along stringers				
				29.8 - 30.5 altered with white qtz vein at 30.1 m (40° CA) with fine py cubes				
				30.5 - 31.2 altered and fractured				
				31.2 - 32.7 highly silicified - sericitized - dissem py, few stringys many hair like fractures				
				32.7 - 33.4 highly silicified becomes blackish colour cut by strings of black qtz + py				

HOLE #: ML-03-03

PROJECT: ____________ PROPERTY: ____________ SHEET No. 5 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				33.4-35 fractured, silicified				
				numerous [illegible] - like fractures				
				35.0-35.6 becomes blackish again				
				highly fractured				
				grey qtz vein 2.5 cm wide				
				with py + blackish contacts				
				35.6-36.8 locally sil + pyritized				
				36.8-37.6 more altered, highly				
				fractured				
				37.6-38.2 blackish colour				
				with qtz vein at center,				
				qtz veins are 2.5 cm wide				
				oriented @ 60° CA				
				38.2-40.0 locally fractured // to core				
				fine grained, grey green colour				
				40.0-41.1 fractured				
				41.1-42.0 highly altered and fractured				
				sericitized in places with				
				irregular qtz stringers + minor py				
				42.0-42.8 still fractured and				
				silicified				

42.8-43.7 more massive

HOLE #: ML-03-03

PROJECT: ____________ PROPERTY: ____________ SHEET No. 6 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				43.2-44.3 cross-cutting grey-white qtz strngs few large py cubes strngs with sericite halos				
				44.3-45.7 slightly fractured carbonated ?, fine dssmt py.				
				45.7-47.4 becomes more altered carb-sil-py with py+qtz strngs @ 70° to 90° CA Sulphides stringers appears to cut and displaced milky (opal) colour stringers few sulphide strngs @ low angle to core				
				47.4-48.7 center of zone is highly sil. (black colour) with grey (clay) colour qtz vein oriented @ 35° CA 4-7% fine dssmt py, coarser py along irregular fractures				
				48.7-49.5 still few qtz py strngs at 55°-65° CA				

HOLE #: ML-03-03

PROJECT: ______________ PROPERTY: ______________ SHEET No. 7 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				49.5-53 carbonated				
				fractured and silicified				
				53-54 core locally totally				
				broken				
				54-57.3 becomes slightly more				
				altered carb-py + fractured				
				toward 57.3 m, few qtz-				
				py strngs				
				sericite alteration increase				
				57.3-59.4 5% fine dssmt py				
				59.4-60.6 finer grained				
				sericite alteration + epidote?				
				along fractures and strngs				
				60.6-61.6 highly altered (TOURMALINE)				
				10% fine dssmt py				
				core brecciated with py +				
				po + cpy matrix				
				looks like black and grey				
				chert locally				
61.6	70.0	S3		61.6-69.3 SEDIMENTS				
				altered sed bedding 80°CA				
				large dssmt py cubes				
				still black colour tourmaline?				

HOLE #: ML-03-03

PROJECT: _____ PROPERTY: _____ SHEET No. 8 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				62.3-63.7 altered, fractured irregular qtz-py stwrs				
				63.7-65.0 fractured carbonated silicified with hair-like qtz-py stwrs				
				65.0-66.0 more fractured and silicified stwrs of qtz @ 45° CA, some py cut by sulphide stwrs @ 90°				
				66.0-67.0 Sediment highly altered (sericite), fractured and silicified massive py+po stwrs (trace cpy)				
				67-69 Sediment bedding 75° CA slightly fractured fine grained py locally				
				69-70.3 highly fractured with qtz stwrs + tour. balls @ 45° CA stwrs of massive po-py-cpy @ 80° CA outside qtz stwrgers				

HOLE #: ML-03-03

PROJECT: _____ PROPERTY: _____ SHEET No. 9 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				70.3 - 72 Bedding 80° CA few narrow zones of 10 - 20% py				
72.0	72.6	FAULT		FAULT ZONE gouge material, oriented 80-90° CA Chlorite - qtz - carb schist minor py				
72.6	93.2	SC SHEARED		SHEARED GABBRO Fairly massive 72.6 - 73.2 green dark green colour fractured and carbonated				
				73.2 - 74.2 blackish colour irregular qtz - tourmaline - py veins @ 45° CA				
				74.2 - 78.0 gabbro - melanogabbro fractured with irregular sub-qtz strgs minor disseminated py				
				78.0 79.1 black qtz vein with py				

HOLE #: ML-03-03

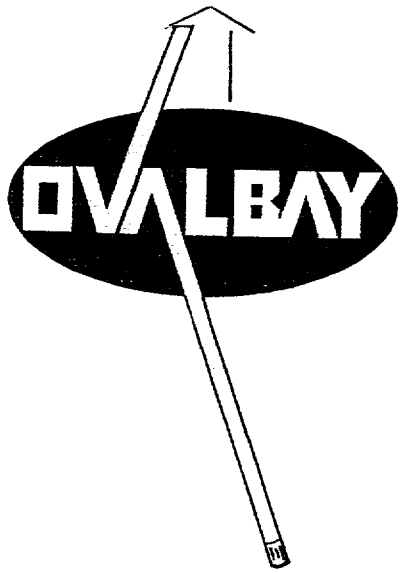
PROJECT: _____ PROPERTY: _____ SHEET No. 10 of 10

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				abundant white qtz + carb + minor py stringers section is highly brecciated				
				79.1-79.8 as above				
				79.8-83.5 sheared gabbro irregular qtz-carb stringers				
				83.5-84 few strings of massive py.				
				88-89.5 blackish colour biotite? usually fractured with irregular qtz-carb strngs				
				up to 93.0 sheared gabbro				
93.0	102	36		GABBRO massive, medium grained grey green colour fractured locally silicified				
	102	EOH		End of hole				

HOLE #: ML-03-03

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-04
Project Tilly Creek
Length 136 m
Started Apr 20th 2003
Completed Apr 21st 2003
Easting 657212 NAD 27
Northing 5375933 Zone 15
Grid Azimuth _____

Logged by C. Larouche
Claim # (s) _____
_____
_____
Target Au-Cu showings
Contractor Chibougamau diamond drilling
Core stored on property
Comments _____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: Tilly Creek SHEET No. 1 of 5

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
0.0	5.0	OV		OVERBURDEN				
5.0	48.2	SS		SEDIMENTS				
				5.0-9.2 massive fine to medium grained, grey colour				
				9.2-15 grey-grey green colour locally silicified and veined with fractured and brecciated zones around 12.0m and 13.4m altered zone oriented @ 75° CA // to bedding				
				15-18 grey colour usually finer grained more thinly bedded @ 70° to 90° CA minor altered zone @ 15.0m sil. with qtz-carb-py on fractures				
				22.5-23 Argillite slightly graphitic (black colour)				
				23-24 green colour sil with fair-lib fractures of qtz+carb.				

HOLE #: ML-03-04

PROJECT: _____ PROPERTY: _____ SHEET No. 2 of 5

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				* grey green colour, thinly bedded (1 to 30 cm) with narrow zones slightly silicified between 19 and 22.5 m				
				FAULT ZONE (gouge material at 23.6 m zone 3 cm wide oriented @ 80° CA				
				24.0 - 27.0 grey colour alternating fine with fg. to medium beds, bedding @ 80° CA				
				27.0 - 30.0 grey medium grained, massive, diorite looking				
				30 - 31 grey green fine grained bedding @ 5 - 80° CA				
				31 - 41 massive greywacke larger beds, medium grained with thinly bedded siltstone argillite bedding 80° CA				
				41 - 48.2 becomes more fractured and altered, sil + carb.				

HOLE #: ML-03-04

PROJECT: ______ PROPERTY: ______ SHEET No. 3 of 5

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
48.2	49.5	FELSITE		FELSITE Light coloured dyke irregular contacts 3% py-po-mag dissmt biotite alt over 15 cm at lower contact				
49.5	136.0	S3		GREYWACKE 49.5-59.0 mainly massive 59.0-60 siltstone argillite grey green colour bedding 80° CA 60-60.2 graphitic argillite + fault gouge material 60.2-61.3 Siltstone-argillite core locally badly broken at 61.3 m fragments of qtz vein with py along fractures 61.5-63 bedding 75° CA few barren white qtz vein 15 cm wide, oriented // to 75° CA core locally badly broken				

HOLE #: ML-03-04

PROJECT: _____ PROPERTY: _____ SHEET No. 4 of 5

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				63 - 64.6 core badly broken, fractures // to core qtz - carb py along fractures				
				64.6 - 69.7 massive, fine to medium grained				
				69.7 - 76.4 fine to medium grained massive, locally (pebble ?) bedding 75° CA grey colour fine grained sed. is thinly bedded and coarse grained is more massive diorite looking				
				76.4 - 81.5 grey green colour fine grained WW qtz filled fractures				
				81.5 - 84.7 grey brown colour, locally pebbles and blocks bedding // 75° CA rare qtz - carb stringers along fracture				
				84.7 - 85.5 grey green colour fine to medium grained				

Pebbles ⇒ CONGLOMERATE
AT 70.0m and 82.0m

HOLE #: ML-03-04

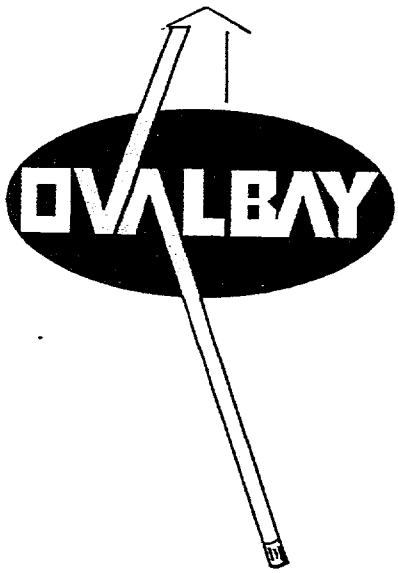
PROJECT: _____ PROPERTY: _____ SHEET No. 3 of 5

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				85.5 - 93 fine grained grey green colour bedding 80° CA				
				93 - 100 usually grey colour medium grained fine siltstone - argillite beds at 80° CA rare qtz filled fractures				
				100 - 112.5 usually medium grained massive narrow sections of siltstone - argillite bedding 80° CA rare qtz carb stringers				
				112.5 - 117.0 fine grained siltstone locally				
				117.0 - 136.0 Greywacke and siltstone bedding 75-80° CA				
	136.0	Eoh		End of Hole				

HOLE #: ML-03-04

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-05
Project Tilly Creek
Length 51 m
Started Apr 15th 2003
Completed Apr 15th 2003
Easting 657419 NAD 27
Northing 5375553 Zone 15
Grid Azimuth _____

Logged by C. Larouche
Claim # (s) _____

Target Au-Cu showings
Contractor Chibougamau diamond drilling
Core stored on property
Comments _____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: Tilly Creek SHEET No. 1 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				Tilly Lake Township G-5620						
				GPS NAD 83 6537419 E						
				5375553 N	AZ	110°	Dip	-45°	100%	
0.0	2.5	OV		OVERBURDEN						
				SAND GRAVEL						
2.5	3.5	2D bio		Biotite Diorite						
				highly fractured, rusty						
				carbonated? minor fg						
				foliation @ 60° CA						
				may be sediments						
3.5	4.4	S4		SILTSTONE						
				bedding 50-60° CA						
4.4	5.1	2D bio		Biotite Diorite						
				upper contact @ 80° CA						
				fg eyes, fractured						
5.1	5.8	S4		Siltstone						
				Massive, bedding 30° CA						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 2 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
5.8	6.6	2D bio		BIOTITE DIORITE Massive fine to medium grained, fg's eyes as before brownish colour, still rusty fractures						
6.6	6.9	S4		SILTSTONE as before						
6.9	8.05	IFP		FELDSPAR PORPHYRY Massive, grey colour, medium grained slightly "chilled" contact @ 20° CA fractured with irregular qtz + py stringers Fine disst py 1-2%						
8.05	14.4	S3		GREYWACKE More basaltic med greywacke bedding 60°-70° CA pyrite stringers on fracture						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 3 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				locally core badly broken bedding @ 60° CA						
				few zones with irregular qtz, stringy + py veins						
14.4	17.00	SD		DIORITE						
				Medium grained, grey colour altered, upper contact at 80° CA						
					28573	14.40	15.60	1.20		
				14.4-15.6 highly fractured possible influence of S4	574	15.60	17.00	1.40		
				3% po-py-cpy blebby fracture and blebby fracture locally stringy of semi-massive sulphides						
				15.6-17.0 altered, fractured, silicified						
				py-po-cpy stringy						
17.00	22.2	S4		SILTSTONE						
				Grey colour, fine grained						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 4 of 9 HOLE #: AL-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				weak bedding at 65° CA						
				17.00 - 18.20 rare qtz - po stringers						
				18.20 - 18.80 more fractured with qtz + semi - massive po + py + cpy stringers oriented ⇒ // 45° CA	29525	18.20	18.80	0.60		
				18.8 - 22.2 slightly fractured bedding @ 75° CA						
22.2	25.0	2D		DIORITE very massive fine grained upper contact at 70° CA	29526	22.20	23.30	1.10		
				22.2 - 23.3 fractured, inclusion of 5% numerous irregular po-py-cpy stringers						
				Qtz - tour? vein @ 23.6 m folded in gouge highly sil + py						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 5 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				23.3-25.0 Fairly massive 2D inclusions of sed. minor Py						
25.0	28.5	S4		Sediments Altered at upper contact oriented @ 160°CA few sil. +Py zones						
28.5	29.0	2D		Diorite Massive fine to medium grained, foliation @ 50°CA ?						
29.0	32.0	S3		Sediments Contact with diorite is fractured and altered	219577	29.00	30.00	1.00		
				29.0-30.0 few strings of Py+qtz	578	31.50	32.00	0.50		
				hair-like fractures with Py+qtz						
				30.0-31.5 bedding 50-60°CA						
				31.5-32 altered abundant qtz+ Py+po stringers						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 6 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
32.0	35.7	2D		Diorite Fine grained grey massive fine chloritic py						
				32.0 – 33.0 massive						
				33.0 – 34.5 massive sericitized zones, few py cubes						
				34.5 – 35.2 more altered massive section with biotite and or tourmaline? clots with 3% fine chloritic py						
				35.2 – 35.9 qtz – chlorite – po – cpy vein 4.5 cm wide @ 35.8m vein oriented @ 45° CA tourmaline? @ contacts	219579	35.20	35.90	0.70		
35.7	36.4	S3		Sediments Few irregular qtz stringers py + po along fractures						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 7 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
36.4	38.8	2D		Diorite Silicified and fractured						
				36.4-32.4 fairly massive	219580	32.40	38.80	1.40		
				37.4-38.8 fractured and silicified py, stringy, minor foliated? bands @ 20° CA						
38.8	42.0	53		Sediments						
				38.8-39.5 serucitized fine qtz + minor py stringy	219581	38.80	39.50	1.70		
				39.5-40.2 20% quartz veins with py-apy - minor cpy stringy sericite alteration	582	39.50	40.20	0.70		
				40.2-42.0 still stringy sericite alt., py-qtz stringy bedding @ 60° CA						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 8 of 9 HOLE #: ML-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
42.0	43.7	2D		DIORITE Fine grained slightly fractured						
43.7	49.3	S3		SEDIMENTS Bedding at 60° CA locally highly altered						
				43.7-45.0 fractured	219583	45.00	45.60	0.60		
				45.0-45.6 serpentized, irregular qtz-py stringers clouds slivers						
				45.6-49.3 massive fine grained bedding 50-65° CA						
49.3	51.0	2D bio		BIOTITE DIORITE Massive fine grained upper contact @ 50° CA						
	51.0	END OF HOLE								

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 9 of 9 HOLE #: TL-03-05

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				PERIOD : April 15, 2003						
				DRILLING : CHIBOUGAMAU DIAMOND DRILLING						
				CASING LEFT IN PLACE No						
				CORE STORED ON PROPERTY						
				CLAIM # 1246765						

Claude Larouche
CLAUDE LAROUCHE

Ovalbay Geological Services Inc.

Diamond Drill Log

DDH ML-03-06
Project Tilly Creek
Length 75 m
Started Apr 14th 2003
Completed Apr 15th 2003
Easting 657610 NAD 27
Northing 5375669 ZONE 15
Grid Azimuth 145°

Logged by C. LAROUCHE
Claim # (s)

Target Au - Cu showings
Contractor CHIBOUGAMAU DIAMOND DRILLING
Core stored ON PROPERTY
Comments

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 CANADA INC PROPERTY: TILLY CREEK SHEET No. 1 of 9 HOLE #: MC-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				TILLY LAKE TOWNSHIP (G-562)						
				GPS NAD 83 6576610 E						
				5375669 N	A2	145°	Dip	-50°	100%	
0.0	3.0	OV		OVERBURDEN						
				Sand, gravel, granite + amphibolite boulders						
3.0	4.0	S4		SILTSTONE						
				Core badly broken, rusty fractures, bedding 70° CA						
4.0	6.3	S3		GREYWACKE						
				Grey massive, fine to medium grained, coarser by along fracture, contact at 80° CA, looks like diorite						
6.3	7.6	S4		SILTSTONE						
				rare qtz stringers, few rusty fractures, trace py mainly along stringers						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 2 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
7.6	16.4	2D		DIORITE May be massive greywacke 7.6-8.6 few strngs of massive py. no qtz. strngs oriented at 86°CA 8.6-12.0 rare fractures, few qtz-py strngs 12.0 to 16.1 few silicified zones minor py This interval is usually fine to medium grained, massive grey colour 16.1-16.4 rare fracture	29578	7.60	8.60	1.00		
16.4	16.9	S4		SILTSTONE sil + py at contact oriented about 45°CA more chloritic						
16.9	18.4	S3		GREYWACKE Fine to medium grained massive grey colour dioite ?						

PROJECT: ____________ PROPERTY: TILLY CREEK SHEET No. 3 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				upper contact at 70° CA ?						
				slightly diffused						
				few irregular fractures						
				with py + semi massive po						
18.4	22.7	ID bio		BIOTITE DIORITE						
				Fine to medium grained	219519	18.40	19.40	1.00		
				rare qtz + feldspar eyes						
				[illegible] colour diffuse						
				upper contact [illegible] py						
				[illegible] slightly						
				fractured with qtz + coarse py						
				filling fractures pyrite						
				also appears to [illegible]						
				the stringers and wallrock	219520	21.00	22.20	1.20		
				More qtz-felds amygdules-like	521	22.20	24.00	1.30		
				toward lower contact						
				more irregular qtz + po stringers						
				lower contact appears						
				"chilled"						
22.7	25.7	S3		GREYWACKE						
				More fractured and altered						
				than ID bio	522	24.00	24.90	0.90		

PROJECT: _____ PROPERTY: TILLY CREEK SHEET No. 4 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				1-2% stwys of qtz+py+po also 1-3% py finely disemt						
25.7	26.8	53 Sheared		SHEARED GREYWACKE More sheared and altered, injected with more chloritic fractures at 80-90° CA	219523	25.70	26.80	1.10		
26.8	55.7	2D		DIORITE Grey colour, fine to medium grained, weak foliation at 80° CA, minor disemt py with 2 vols more fractured + irregular qtz+py stwys	219524	27.70	28.70	1.00		
					525	31.00	32.00	1.00		
				29.2-31.0 becomes slightly brownish few wispy ultra py+qtz stwys						
				31.0-32.0 Qtz vein diffuse at 31.5m, hostite alteration Qtz-py stwys more abundant oriented 45-60° CA 2-3% fine disemt py						

PROJECT: ______________ PROPERTY: Tilly Creek SHEET No. 5 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				possible inclusion of sediment ?						
				32.0-33.0 highly fractured	219526	32.00	33.00	1.00		
				cemented by hair-like						
				qtz-py strings	527	33.80	35.50	1.70		
				33.0-33.8 numerous qtz-py	528	36.90	37.90	1.00		
				irregular strings						
					529	39.50	40.40	0.90		
				33.8-35.5 highly fractured irregular						
				qtz+py strings oriented from						
				10° to 80° CA zones more						
				biotite rich in middle of						
				section						
				35.5-36.9 rare strings of qtz+py						
				also fine dissem py						
				1.0%						
				36.9-37.9 qtz+py+trace cpy						
				at 37.4m vein is 3.0 cm						
				wide other few irregular						
				qtz+py strings + fine						
				dissem py						
				37.9-39.5 rare strings						
				39.5-40.4 fractured at 39.8m						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 6 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				40.4-41.7 less fracturing						
				41.7-42.2 few narrow veins (qtz-py) at 25° CA 1.5 cm wide	29530	41.20	42.20	0.50		
				42.2-42.6 chloritic stringers at 75-90° CA						
				42.6-46.8 fairly massive massive zones slightly altered, fractured with hair-like qtz-py cement.						
				46.8-47.0 fairly massive						
				47.0-48.0 locally fractured qtz-py stringers at 75° CA	29531	47.00	48.00	1.00		
				48.0-51.4 few qtz-py stringers						
				51.4-54.5 rare stringers, becomes more brecciated with narrow zones more schistosed						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 7 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				54.5-55.7						
				more foliated and brecciated						
				irregular qtz-py stringers						
				Schistosed zone maybe	219532	54.50	55.70	1.20		
				sediments. They are sil.						
				py. and also sericitized						
55.0	56.8	Min Zone		Mineralized Zone						
				Quartz vein py + cpy						
				55.9 to 56.2 not magnetic	219533	55.70	56.80	1.10		
				Qtz is diffuse, appears	534	56.80	58.10	1.30		
				oriented @ 80°CA						
56.8	60.9	S4		Siltstone						
				Sections highly sheared						
				silty 80-90°CA						
				Qtz vein 3cm wide						
				// to silty stringers of						
				semi-massive py, also						
				// to silty						
				section is fractured with						
				hair like qtz stringers						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 8 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				58.1-60.9 Sch. scty 85° CA few py. strngs at 85° CA within sil. zone						
60.9	61.2	FAULT		FAULT ZONE 3 zones of gouge material 80° to 90° CA						
61.2	75.0	36		GABBRO green colour medium to coarse grained						
				61.2-62.2 highly schistosed at 80° to 90° CA silicified with qtz strngs // to scty						
				62.2-64.5 fractured gabbro few irregular qtz + carb. strngs						

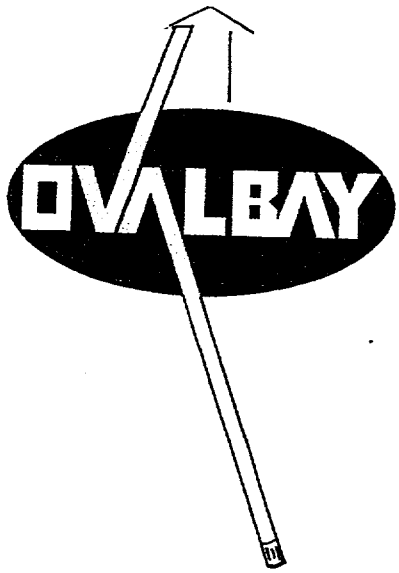
PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 9 of 9 HOLE #: ML-03-06

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				4.5-25.0 fairly massive gabbro green colour medium to coarse grained						
				irregular qtz + carb stringers and veinlets, no sulphides						
	25.0	End of hole								
				Period : April 14-15 2003						
				Drilling : Chibougamau Diamond Drilling						
				Casing left in place No						
				Core stored on property						
				Claim # 1246765						

Claude Larouche
CLAUDE LAROUCHE

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-07
Project Tilly Creek
Length 61 m
Started Apr 15th 2003
Completed Apr 16th 2003
Easting 657419 NAD 27
Northing 537 5553 Zone 15
Grid Azimuth _____

Logged by C. Larouche
Claim # (s) _____

Target Au-Cu showings
Contractor Chibougamau Diamond Drilling
Core stored on property
Comments _____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: Tilly Creek SHEET No. 1 of 6

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
0.0	1.6	OV		OVERBURDEN sand				
1.6	10.2	2D, bio		BIOTITE DIORITE				
				Fine to medium grained				
				brownish colour (biotite)				
				fairly massive				
				qtz like elongated amygdules				
				foliation at 60° CA				
				1.6-3.0 core badly broken, coarse				
				diorite 1-2% dissmt py.				
				3.0-6.0 strong foliation at				
				50° CA				
				6.0-9.2 massive foliated				
				locally looks like greywacke				
				9.2-10.2 few qtz - tr sulphide,				
				stringers and 0.25%				
				coarse pyrite cubes (euhedral)				
10.2	15.0	S3		SEDIMENTS				
				Siltstone and greywacke				
				bedding 2 to 45 cm wide				
				oriented at 60° CA				

HOLE #: ML-03-07

PROJECT: _____ PROPERTY: _____ SHEET No. 2 of 6

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				10.2-15.0 few qtz-py stringers within fractured area				
15.0	18.7	2D		DIORITE grey fairly massive usually medium grained contacts fine grained "chilled"? contact oriented 60°CA Diorite is usually fractured and silicified with few % fine disamt py, irregular qtz-sulphide stringers and veinlets 15.0-16.3 more sulphides close to upper contact 16.3-17.5 fine disamt py, rare stringers 17.5-18.7 few sulphide stringers oriented @ 45 to 75°CA				
18.7	21.2	S3		SEDIMENTS BEDDING @ 65°CA 19.8-20.4 few irregular qtz-py-cpy stringers @ 20° to 90° CA				

HOLE #: ML-03-07

PROJECT: ____________ PROPERTY: ____________ SHEET No. 3 of 6

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
21.2	45.2	S3		Sediments				
				21.2-22.6 fine grained massive				
				few wispy w/ qtz sulphide				
				veinlets with trace cpy.				
				22.6-23.3 silicified with				
				few stringers				
				23.3-24.0 few stringers of qtz				
				+ semi massive py				
				24.0-24.7 fine grained still				
				fractured and silicified				
				locally looks like dolerite				
				with inclusion of wacke?				
				24.7-25.9 brecciated with				
				sulphide at 24.8m and				
				brecciated with qtz at 25.5m				
				25.9-27.1 becomes more				
				biotitic toward lower cut at 27.0m				
				some fine dissmt py.				
				27.1-30.6 largely siltstone				
				bedding at 60° CA				
				core locally badly broken				
				30.6-31.9 massive rock				
				few irregular qtz-sulphides				
				stringers				

HOLE #: ML-03-07

PROJECT: _____ PROPERTY: _____ SHEET No. 4 of 6

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				31.9-32.5 slightly fractured				
				32.5-33.2 bx veined with qtz-sulphide stringers				
				33.2-33.5 qtz-py stringers at low angle to core				
				33.5-34.7 narrow biotite rich zone abundant hair-like stringers				
				34.7-35.2 sulphide veinlets at 45° CA				
				35.2-36.0 medium grained weak foliation at 60° CA				
				36.0-37.4 massive slightly brecciated				
				37.4-38.1 biotite rich section qtz sulphide vein 5cm wide oriented at 45° CA py minor po trace cpy				
				38.1-38.2 biotite altered locally few qtz-sulphide stringers @ 75° CA				
				38.2-39.0 bedding at 65° CA				
				39.0-40.2 numerous stringers of qtz + py one vein, diffuse contacts with py-po-cpy				

HOLE #: MH-03-07

PROJECT: _____ PROPERTY: _____ SHEET No. 5 of 6

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				40.2 - 40.8 bedding 55° CA				
				40.8 - 41.9 30% qtz veining with py - po ± cpy veins and irregular				
				41.9 - 43.3 biotite alteration within this section 2 veins of qtz + tourmaline + minor py ± veins oriented at 70° CA fine grained py within wall rock				
				43.3 - 43.8 rare qtz sulphide stringers				
				43.8 - 44.2 few qtz sulphide veinlets				
				44.2 - 45.2 bedding 60 - 65° CA				
45.2	45.5	FAULT		FAULT GOUGE material fragments of qtz + sulphides				
				same as vein on surface along open fracture in TRENCH 4				
45.5	61.0	S3		SEDIMENTS bedding 55 - 65° CA fine to medium grained locally looks like skarn with minor pheno ?				

HOLE #: MC-03-07

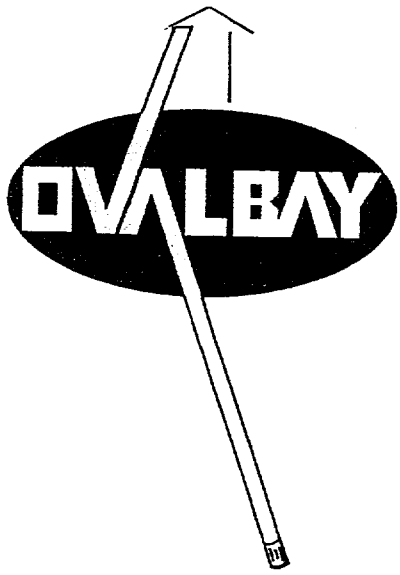
PROJECT: _____ PROPERTY: _____ SHEET No. 6 of 6

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				54-57 dykes of diorite narrow but full of fine pyrite				
	61	EoH		End of HOLE				

HOLE #: ML-03-07

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-08
Project Tilly Creek
Length 102 m
Started Apr 18th 2003
Completed Apr 18th 2003
Easting 657516 NAD 27
Northing 5375611 Zone 15
Grid Azimuth _____

Logged by C. Larouche
Claim # (s) _____
_____
_____
Target Au-Cu showings
Contractor Chibougamau Diamond Drilling
Core stored on property
Comments _____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: Tilly Creek SHEET No. 1 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
0.0	3.1	OV		OVERBURDEN				
3.1	9.0	S3		Sediments Siltstone Greywacke more biotite rich at 9.0m with 1% dssmt py. narrow sections // to bedding are coarser grained sediments or diorite Qtz strngs + minor py appears to be concentrated in these sections. Few strngs of qtz-po- cpy within diorite 3 strngs oriented at 60°CA locally blebs of py with minor qtz like amygdules Bedding at 80°CA				
9.0	15.1	2D		DIORITE Massive grey colour, fine to medium grained 9.0-12.0 few narrow inclusions of S3 0.25% dssmt py. cubes locally slightly fractured with qtz-py strngs				

HOLE #: ML-03-08

PROJECT: ______ PROPERTY: ______ SHEET No. 2 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				12.0-15.1 fairly massive few qtz stringers one larger qtz vein 2.5 cm wide at 14.0 m				
15.1	19.8	S3		Sediments				
				15.1-16.1 possibly minor 2D dykelets one contact more biotite rich <2% fine dissem py within 2D or S3 carbonate along fractures				
				16.1-16.6 narrow zone silicified and pyritized				
				16.6-17.1 more silicified one vein at 17.0 m 4.0 cm wide oriented at 80°CA py-po+sphalerite?				
				17.1-18.3 bedding at 75°CA few strings of qtz + py				
				18.3-19.8 [illegible] shear fractured, silicified sericitized many strings of qtz with altered [illegible]				
19.8	43.3	2D		Diorite				
				grey colour fine to medium grained stripes of pyrite brownish and yellowish				

HOLE #: ML-03-08

PROJECT: _____ PROPERTY: _____ SHEET No. 3 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				19.8-20.5 massive, rare stringers, fine disemt py.				
				20.5-22.0 coarser grained more fractured 30% fine disemt py py also coarser along fractures and associated to qtz stringers				
				22.0-22.9 more biotite rich zone, still fine disemt py.				
				22.9-24.9 fine grained 2-4% disemt fine py still fractured and silicified with hair-like qtz stringers				
				24.9-26.0 few irregular qtz + sulphide stringers more biotite alteration				
				26.0-27.0 fairly massive				
				27.0-28.5 S3 inclusions more altered and silicified qtz veinlets with sulphides locally 5% + trace cpy				
				28.5-29.4 fairly massive				
				29.4-31.1 fine to medium grained fine disemt py, rare inclusions of S3				

HOLE #: ML-03-08

PROJECT: ____________ PROPERTY: ____________ SHEET No. 4 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				31.1-32.0 highly altered silicified				
				+ brecciated grey qtz vein				
				at 60°CA + irregular strings				
				rich in py + qtz				
				fractured // to core				
				32.0-33.4 medium grained 2D				
				fine dissmt py + locally po				
				slightly magnetic				
				fractures with hair-like strings				
				of qtz				
				33.4-33.5 as above				
				33.5-34.9 medium grained				
				silicified - carbonated				
				dissmt py				
				34.9-38.0 fine to medium grained				
				slightly fractured				
				rare qtz py strings at low				
				angle to core.				
				38.0-40.3 2D inclusions of S3				
				bedding at 80° CA				
				locally more altered with				
				qtz + py strings				
				lighter colour, sericite?				

HOLE #: ML-03-08

PROJECT: ______________ PROPERTY: ______________

METRES		GEOLOGICAL LOG			ASSAY REC			
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	W
				40.3-41.9 highly silicified and				
				altered biotite alteration				
				along certain strings other				
				strings of qtz (sykes' colour)				
				with semi massive py				
				one string with cpy 4 galena?				
				41.9-42.4 altered, less fractured				
				few stringers				
				42.4-43.3 mod. biotite				
				lower contact at 75°CA				
43.3	44.2	S3		Sediments				
				altered sediment inclusion?				
44.2	70.1	2D		Diorite				
				44.2-46.8 fine to medium grained				
				slightly brecciated and fractured				
				py-qtz strings also				
				2% fine dissem py.				
				rare qtz-py veinlets at 60.0 to				
				90° CA				
				46.8-50 fairly massive 2D				
				unusual biotite? rich zones				
				few qtz + coarse py strings				
				fine 1 to 2% dissem py.				

ML-03-08

PROJECT: _____ PROPERTY: _____ SHEET No. 6 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				50.1 – 57.3 more fractured ore bearing qtz vein at 50.8 m 3 cm wide @ 80° CA 2-3% fine disemt py + coarse py along fractures				
				57.3 – 59.3 qtz + py + cpy veinlet @ 90° CA at 57.35 m 4 cm wide fine disemt py within dark host fractures				
				59.3 – 53.3 massive				
				53.3 – 54.2 qtz – cpy – po – py stringers at low angle to core po is not magnetic				
				54.2 – 55.5 massive, few py cubes rare stringers with qtz + po or blebby py.				
				55.5 – 57.9 massive, 0.5% py cubes				
				57.9 – 59.0 few stringers of qtz + py + po + trace cpy at 50° CA				
				59.0 – 60.1 few hair-like stringers fine disemt py				

HOLE #: MH-03-08

PROJECT: _____ PROPERTY: _____ SHEET No. 7 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				60.1 - 60.5 locally massive				
				60.5 - 61.5 blkly ltly altered few qtz - sulphides (py-po-cpy) stringers at 60 - 70° CA				
				61.5 - 63.5 few qtz + sulphide, seamlets 2.5 cm wide at 65° CA				
				63.5 - 63.6 more altered (blackish) irregular qtz vein at 63 m also fine disseminated py.				
				63.6 - 64.5 still slightly fractured large py pods				
				64.5 - 65.0 locally altered over narrow zone				
				65.0 - 66.0 locally highly fractured and brecciated cemented with qtz + carb and trace of sulphides				
				66.0 - 67.7 fractured fine disseminated py numerous qtz - py stringers				
				67.7 - 68.7 abundant qtz + sulphide stwgs at low angle to core and also 90° CA				
				68.7 - 69 massive				
				69.0 - 70.1 rare stwgs of massive py.				

HOLE #: Mb-03-08

PROJECT: _____ PROPERTY: _____ SHEET No. 8 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
70.1	72.2	S3-2D		Sediments - Diorite MIXED ZONE bedding at 75° to 85° CA S3 usually altered with coarse py cubes qtz-py stringers usually with diorite sly selvages				
72.2	73.2	2D bio		BIOTITE DIORITE Brownish diorite, fine grained with few 1% fine disseminated py vein of qtz + tourmaline ? 15 cm wide				
73.2	75.3	Contact Zone		CONTACT ZONE Biotite Diorite and sediments, fractured silicified and pyritized				
75.3	75.35	FAULT		FAULT ZONE Gouge material, 80° CA				
75.35	102.0	V7		MAFIC VOLCANICS Fine grained green colour abundant qtz-carb stringers // to schy at 80° CA				

HOLE #: ML-03-08

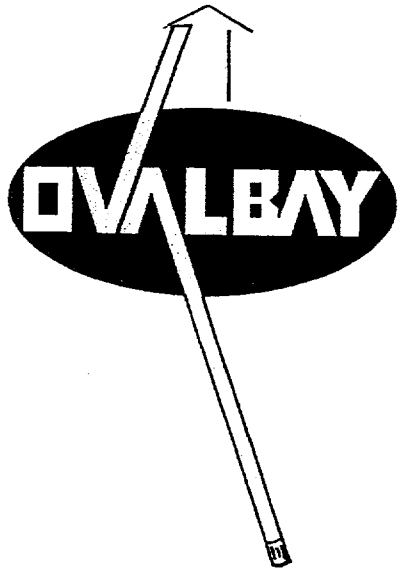
PROJECT: _____ PROPERTY: _____ SHEET No. 9 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				75.35-77.3 Sheared close to fault.				
				77.3-78.6 Highly silicified + hematite				
				78.6-80.2 fractured with qtz + epidote veins py along fractures				
				80.2-82.2 as above				
				82.2-86.6 Mafic volcanics of fine grained gabbro green colour fine to medium grained highly fractured abundant qtz - calc stringers				
				86.6-89.2 Qtz - tour? vein fractured with qtz + py veinlets				
				89.2-102.0 Mafic volcanics fine grained gabbro less fractured				
	102	EOH		End of Hole				

HOLE #: ML-03-08

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-09
Project Tilly Creek
Length 63 m
Started Apr 18th 2003
Completed Apr 19th 2003
Easting 657655 NAD 27
Northing 5375714 Zone 15
Grid Azimuth _____

Logged by C. LAROUCHE
Claim # (s) _____
_____
_____
Target HEM ANOMALY
Contractor CHIBOUGAMAU DIAMOND DRILLING
Core stored ON PROPERTY
Comments _____
_____
_____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 Canada Inc PROPERTY: _____ SHEET No. 1 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
0.0	2.7	OV		OVERBURDEN				
2.7	4.0	SS		Sediments fine to medium grained, green colour, massive, fine py dissem't				
4.0	14.3	DD		DIORITE Grey colour fine to medium grained, fairly massive could be greywacke ? 4.0-7.7 slightly fractured irregular qtz stringers 7.7-9.0 more fractured with qtz + minor py stringers, fewer irregular veins of qtz + py + po + trace cpy diffused at 80° CA 9.0-10.6 locally more altered along narrow qtz stringers bleached halos also 2-4% fine disem py 10.6-11.1 fairly massive 11.1-12.6 fractured numerous qtz + py stringers at 45° to 90° CA 12.6-14.1 more fractured silicified and pyritized				

HOLE #: ML-03-09

PROJECT: _____ PROPERTY: _____ SHEET No. 2 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				14.1-14.3 Fine grained lower contact at 80°CA				
14.3	14.9	S3		Sediments Fine grained siltstone bedding @ 80°CA minor fracture with qtz + some py.				
14.9	20.0	2D		Diorite 14.9-15.5 fine grained highly fractured, 2-4% fine blebby py				
				15.5-17.0 fairly massive slightly fractured				
				17.0-18.0 more biotite in more fractured zones, few irregular qtz-py stringers				
				18.0-20.0 still few biotite altered zones, slightly fractured locally fine blebby py.				
20.0	20.3	S3		Sediments Bedding at 80°CA				
20.3	20.6	S3-2D		Wacke - Diorite				
20.6	24.6	S3		Siltstone - Greywacke				

HOLE #: ML-03-09

PROJECT: _____ PROPERTY: _____ SHEET No. 3 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				20.6 - 24.6 locally slightly brecciated				
24.6	25.8	2D		DIORITE Mod fractured irregular vein (2.5cm wide) with minor py + po Sulphides also along fractures				
25.8	32.2	S3		Sediments Slightly fractured, rare qtz sulphide stringers				
32.2	32.1	2Dbio		Biotitic Diorite Lamprophyre ? 32.2 - 30.1 medium grained massive 2% disst py. 30.1 - 31.5 slightly fractured qtz - py stringers 2% disst pyrite 31.5 - 32.1 fines grained up to 3% disst py totally coarse grained				
32.1	35.1	S3		Sediments 32.1 - 33.0 fractured, qtz sulphide stringers along fractures				

HOLE #: ML-03-09

PROJECT: _____ PROPERTY: _____ SHEET No. 4 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				locally slightly magnetic				
				33.0-34.1 bleached with				
				qtz sulphide stringers				
				few qtz-py veinlets				
				at 75° CA				
				34.1-35.1 still fractured				
				3-4% fine disem py.				
35.1	56.0	2D		DIORITE				
				35.1-36.0 fractured irregular				
				qtz-sulphide stringers locally				
				at low angle to core				
				36.0-36.8 numerous veins of				
				qtz + sulphides at 75° CA				
				locally massive pyrite				
				one vein at 36.4 is 1cm wide				
				25% py-po-cpy				
				36.8-37.4 more silicified,				
				qtz stringers, veins,				
				bleached halos				
				"breccia" colour locally				
				37.4-39.0 locally massive				
				core locally broken because				
				of fractures at low angle to				
				core				
				39.0-40.6 slightly fractured				
				with qtz-py stringers				

HOLE #: ML-03-09

PROJECT: _____ PROPERTY: _____ SHEET No. 5 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				40.6 - 41.8 more fractured and silicified				
				at 41.2 m 1cm vein oriented @ 45° CA with py-cpy				
				41.8 - 43.2 fractured with irregular qtz sulphide veins and veinlets				
				43.2 - 44.6 qtz-py stringers at low angle to core				
				44.6 - 45.4 as above				
				45.4 - 46.0 as above, more silicified and fractured				
				46.0 - 47.3 sil with irregular veins of qtz - py - cpy				
				47.3 - 48.8 less silicified few stringers of qtz + sulphides				
				48.8 - 50.5 more massive				
				50.5 - 53.0 more altered and silicified, numerous irregular stringers				
				53.0 - 53.6 silicified				
				53.6 - 53.9 sharp at 80° CA at 53.6 m then with chlorite + qtz + trace sulphides				

HOLE #: ML-03-09

PROJECT: ____________ PROPERTY: ____________ SHEET No. 6 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				53.9-54.5 biotite alteration				
				54.5-55.0 more silicified with qtz-py-pol-cpy veins/veinlets at 65° CA				
				55-56 silicified, carbonated many irregular stringers				
56.0	63	V7		MAFIC VOLCANICS				
				Mafic volcanics and locally sheared mafic tuffs?				
				Contact sharp 80° CA on fault				
				56.0-56.4 bedding or shearing at 80° CA				
				56.4-57.9 sheared and silicified + py within fractures also brecciated zone				
				57.9-59.4 more sericitized when silica is intense fine dissem py				
				schistosity at 80° CA				
				some fractures // to core				

HOLE #: ML-03-09

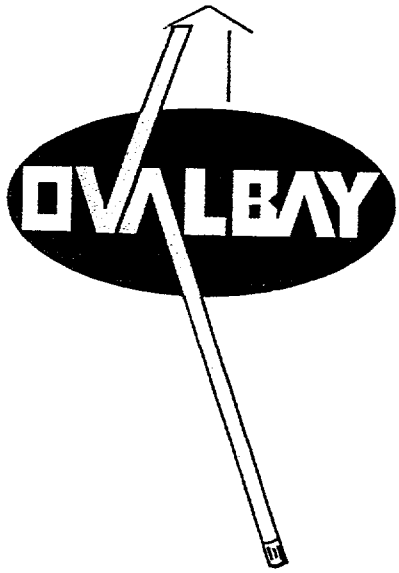
PROJECT: _____ PROPERTY: _____ SHEET No. 7 of 7

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				59.4-63				
				Zone more chloritic				
				with massive basalt				
				altered sections				
	63	E.o.h		End of hole				

HOLE #: ML-03-09

Ovalbay Geological Services Inc.

Diamond Drill Log



DDH ML-03-10

Project Tilly Creek

Length 141 m

Started Apr 19th 2003

Completed Apr 20th 2003

Easting 657355 NAD 27

Northing 5375497 Zone 15

Grid Azimuth _____

Logged by C. LAROUCHE

Claim # (s) _____

Target Au - Cu showings

Contractor Chibougamau diamond drilling

Core stored on property

Comments _____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 607 8559 CANADA INC PROPERTY: Tibby Creek SHEET No. 1 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
0.0	6.0	OV		OVERBURDEN				
6.0	21.0	SS		SEDIMENTS Good sediments beds of thinly laminated siltstone with beds of 30cm to many meters with lg of massive greywacke				
				6.0-10.0 bedding at 80° CA thinly bedded				
				10.0-13.5 massive, medium grained				
				13.5-19 alternating zones of thinly bedded and massive greywacke				
				19.0-21.0 thinly bedded at 80°-85° CA				
21.0	25.8	DI		DIORITE Massive grey colour fine to medium grained contacts // to bedding rare qtz stringers irregular orientation, following fractures				

HOLE #: ML-03-10

PROJECT: _____ PROPERTY: _____ SHEET No. 2 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
25.8	96.8	53-20		SEDIMENTS and DIORITE 25.8-27.0 narrow zone, more biotite rich rare qtz-py stringers few beds of fine to medium grained material looking like diorite locally slightly fractured 27.0-31.8 thinly bedded @ 80°CA few fractures with qtz-carb at low angle to core 31.8-32.9 becomes more altered and fractured numerous qtz-py stringers of irregular orientation 32.9-33.9 highly fractured silicified and biotite rich Qtz-py-cpy veins and veinlets oriented @ 80°CA 33.9-34.9 much biotite alteration 34.9-35.9 strong alteration				

HOLE #: M1-03-10

PROJECT: ____________ PROPERTY: ____________ SHEET No. 3 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				35.9-37.8 massive slightly fractured few narrow veinlets of qtz-py + minor cpy				
				37.8-39.2 mod altered, silicified and fractured				
				39.2-40.6 still highly fractured few qtz-py stringers				
				40.6-44 locally sericitized still fractured with numerous narrow qtz-sulphide stringers, carbonate, some chloritic fractures				
				44-45 more silicified with semi-massive py stringers				
				45-46.5 locally highly silicified, few qtz-py stringers				
				46.5-49.5 Diorite with few inclusions of sediments Chloritic fractures with carbonate locally at low angle to core				
				49.5-50.5 fine grained highly altered (black colour)				

HOLE #: ML-03-10

PROJECT: _____ PROPERTY: _____ SHEET No. 4 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				small remlet at 50 m with galena ?				
				50.5 - 54.0 locally more sedimentary looking still highly fractured with qtz - chl + minor py stringers				
				54.0 - 55.1 highly altered strong sericite alteration with associated qtz, fractured with irregular qtz remlets and semi-massive pyrite stringers				
				55.1 - 56.2 highly fractured with qtz - py stringers				
				56.2 - 57.7 fractured qtz - py stringers				
				57.7 - 58.9 black colour highly silicified with diffuse qtz veins + fine py				
				Much fine pyrite (10%) within brownish black altered zone				

HOLE #: ML-03-10

PROJECT: _____ PROPERTY: _____ SHEET No. 5 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				58.8-60.2 moderately to strongly altered, brownish black colour, highly silicified fine dissem py, also stringers of qtz + semi massive py.				
				60.2-61.2 less altered still fractured, fractures filled with massive pyrite locally				
				61.2-62.6 fractured with qtz-sulphide stringers				
				62.6-63 fractured				
				63-64 highly fractured massive qtz-py stringers with more silicified zone				
				64-65.8 slightly fractured and altered				
				65.8-66.5 highly silicified and brecciated at 66 m zone of felsic intrusive (3cm wide) oriented at 80°CA				
				66.5-68.7 more carbonated (carbonates dots)				
				68.7-69.6 highly silicified brownish black colour, brecciated				

HOLE #: ML-03-10

PROJECT: ______ PROPERTY: ______ SHEET No. 6 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				fine dssmt py + strngs of				
				qtz-py and qtz veinlets				
				at 25° CA)				
				69.6-71.9 fairly massive				
				carbonated				
				71.9-73.5 fine grained, brownish				
				black stained highly silicified				
				fine dssm py				
				abundant irregular qtz strngs				
				(hair-like)				
				73.5-74.6 as above				
				74.6-75.6 more massive				
				slightly fractured				
				75.6-77.6 still altered, silicified				
				and fractured				
				77.6-78.9 highly silicified				
				brownish black colour				
				fine dssm py hair like				
				qtz fractures locally rich in				
				py				
				78.9-79.9				
				mineralized (py-po-cpy)				
				qtz vein at 79.5m				
				20 cm wide oriented at				
				80° CA wall rock highly				
				altered				

HOLE #: ML-03-10

PROJECT: _____ PROPERTY: _____ SHEET No. 7 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				79.9-81 still fractured sil with qtz-allphide stringers				
				81-89.4 highly sil, qtz veinlets last part becomes brownish black colour with fine dissem py.				
				89.4-93 sil and fractured				
				83-84 highly sil & qtz veining				
				84-85 still locally highly altered brownish black colour some qtz stringers				
				85-87.4 numerous qtz stringers with greenish allan cutting each other at 90°				
				87.4-88.4 highly altered clear contact with ?				
				88.4-90 altered (sericite) silicified with qtz + py stringers fractures are dark chlorite				
				90.0-90.7 still highly fractured				
				90.7-93.0 highly altered silicified, altered, sericitized locally stringers of semi-massive py-po				

HOLE #: ML-03-10

PROJECT: _____ PROPERTY: _____ SHEET No. 8 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				92.0 - 93 as above				
				93 - 93.7 fairly massive sediments bedding ~25 - 85° CA				
				93.7 - 94.3 more altered, few qtz - py stringers				
				94.3 - 95.9 more massive beds more fractured and mineralized with fine disseminated py.				
				95.9 - 96.8 highly silicified sericite, with irregular stringers				
96.8	97.0	FAULT		FAULT ZONE Completely broken gouge material, highly fissile 85° to 90° CA				
97.0	134.0	UD		MAFIC VOLCANICS highly sheared local breccia 108 - 109 50% irregular qtz veining with tr cpy + py.				

HOLE #: ML-03-10

PROJECT: _____ PROPERTY: _____ SHEET No. 9 of 9

METRES		GEOLOGICAL LOG						
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width
				109-134.0 sheared volcanics locally gabbro dyke? numerous qtz-carb stringers				
134.0	141.0	36		GABBRO Massive medium to coarse grained				
	141.0	EOH		END OF HOLE				

HOLE #: ML-03-10

Ovalbay Geological Services Inc.

Diamond Drill Log

DDH ML-03-11
Project Tilly Creek
Length 174 m
Started Apr 21st. 2003
Completed Apr 22nd 2003
Easting _____
Northing _____
Grid Azimuth 130°

Logged by C. Larouche
Claim # (s) _____
_____
_____
Target HEM ANOMALY
Contractor Chibougamau Diamond Drilling
Core stored ON PROPERTY
Comments _____

TESTS								
Location	Dip	Azimuth	Location	Dip	Azimuth	Location	Dip	Azimuth

PROJECT: 6078559 CANADA INC PROPERTY: Tilly Creek SHEET No. 1 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
m. From	m. To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				Tilly LAKE Township	G-562					
				GPS NAD 83 - L-21+80W						
				- 4+60S TANDEM	AZ	130°	Dip	-50°	100%	
0.0	3.2	OV		OVERBURDEN Grid						
				SAND GRAVEL						
3.2	3.7	V7		BASALT						
				Core locally broken, green colour						
				fine to medium grained						
3.7	4.5	3L		LAMPROPHYRE						
				or Lattite rich dioritic						
				medium grained brownish						
				colour, contact 70-80° CA						
4.5	5.1	2D		DIORITE						
				Grey colour, fine to medium						
				grained, fractured with						
				1% qtz-py stringers						
5.1	15.7	V7		BASALT						
				Green colour lightly fractured						
				and brecciated fine to medium						
				grained, rusty fractures						
				5.1-7.5 brecciated with qtz-carb-						
				rare py. stringers						

PROJECT: _____ PROPERTY: Tibby Creek SHEET No. 2 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				7.5-9.0 locally fractured with qtz matrix, minor epidote						
				9.0-10.5 more fractured-brecciated and sheared @ 70° CA qtz-carb-red chamosite) qtz stringers minor py along w/ with stringers						
				10.5-13.5 highly fractured and brecciated breccia bands, narrow sykbets of QD'						
				13.5-15.0 breccia and qtz stwg with minor ply + trace cpy.						
				15.0-15.7 highly fractured more chloritic, pinkish + other py rich stringers						
15.7	34.5	QD-36		Diorite-Gabbro Grey, fine grained, massive fracturing stops @ upper contact oriented @ 90° CA						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 3 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				15.7 - 19.4 variable grain size section are medium grained also "ghost" rounded of feldspar?						
				19.4 - 19.8 highly bleached + silicified with disseminated py.						
				19.8 - 21.2 small and large rounded patches of dacite looking material						
				21.2 - 22.8 more massive locally small patches of dacite with amygdules?						
				22.8 - 24.2 zone highly bleached carbonated and silicified, minor py.						
				24.2 - 26.0 fairly massive gabbro grain colour and texture of qtz + semi massive py @ 25.5m at low angle to core						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 4 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				26.0-27.1 altered zone biotite minor pyrrhotite (magnetic) few qtz strngs locally (2%) fine diss'nt py.						
				27.1-28.9 massive 2D-36 very rare qtz strngs						
				28.9-29.5 massive 2D-36						
				29.5-30.3 qtz veins with dykelets of 2D + biotite up to 8 cm wide minor py ±po in veins oriented at 80° CA						
				30.3-32.0 fine gabbro or Basalt fractured with qtz-carb along fractures						
				32.0-33.0 highly altered and sheared at 32.5m possible fault at 32.5m oriented @ 45° CA strong biotite minor py						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 5 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				33.0-34.5 minor biotite diorite lower half becomes sil - py core locally broken fractures at low angle to c/a						
34.5	36.5	V7		BASALT Carbonated, green colour fine to medium grained, fractured						
36.5	37.2	2D		DIORITE upper contact at 40°CA grey green colour						
37.2	37.7	V7		BASALT fractured abundant qtz-carb irregular stringers						
37.7	38.8	FELSITE		FELSIC DYKE grey green colour, fine grained minor dissem py, also on fractures, both contacts oriented at 40°CA This dyke appears to cut through all narrow "cherty horizon" with fine dissem pyrite						

PROJECT: _____ PROPERTY: Tibby Creek SHEET No. 6 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
38.8	41.1	GRAPHITE		GRAPHITE Massive graphite, minor sulphide Felsic dykes 39.4 to 39.8 m & 40.1 to 40.3 m						
41.1	43.7	V9, f		Felsic Tuffs (Exhalite?) fine bedding at 250 CA, fine diam py also along fractures grey to khaky colours 41.1 - 41.4 well defined fine bedding 41.4 - 41.6 bedding @ 175° CA 41.6 - 43.5 Felsic to intermediate tuffs, fractures filled with py abundant fine rounded qtz eyes? 43.5 - 44.7 fine bedding, graphite slivers						
43.7	44.8	GRAPHITE		GRAPHITE Some badly broken, FAULT? 175 to 185° CA						

PROJECT: ________________ PROPERTY: Tilly Creek SHEET No. 7 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
44.8	51.0	3G-2D		GABBRO-DIORITE						
				44.8-45.6 few fractures with py + po ± cpy medium grained, highly carbonated						
				45.6-49.3 more diorite looking grey, massive, medium grained						
				49.3-51.0 gabbro becomes highly fractured and brecciated						
				49.3-49.8 few qtz-sulphide stringers						
				49.8-51 locally 5% py+po along fractures at 45° CA and second set perpendicular						
51.0	53.0	V9f		FELSIC TUFFS						
				As before fine bedding at 70° CA minor sulphides along fractures, sericite alt. could be tuffaceous sed.						
53.0	64.0	S3		GREYWACKE						
				Massive, fine to medium grained, sometimes the rock						

PROJECT: ______ PROPERTY: Tilly Creek SHEET No. 8 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				of bedding but believe that it may be diorite?						
				few zones richer in biotite locally brecciated with qtz stringers, rare py cubes						
64.2	66.5	S4		SILTSTONE ARGILLITE Bedding @ 25° CA						
66.5	69.0	S3		GREYWACKE Rare bedding at 70° CA						
69.0	70.0	FELSITE		Felsic dyke blebs of sulphides, py along fractures						
70.0	174.0	S3		GREYWACKE						
				70.0-71.0 altered seds biotite rich close to felsite dyke white qtz vein at 70.9 m 5cm [illegible] oriented @ 50° CA trace of sulphides						

PROJECT: _____ PROPERTY: Tilly Creek SHEET No. 9 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				71-72 fine grained, more brecciated						
				72-75.5 fine to medium grained carbonated						
				75.5-78.0 more brecciated						
				78.0-79.0 rare qtz-py stringers						
				79.0-81.5 massive						
				81.5-82.7 Epidote altered with sericite along fracture						
				82.7-83.5 bedding 75-85° CA slightly carbonated						
				83.5-87.0 fine grained, thinly bedded 75 to 85° CA						
				87-89 more massive, fine to medium grained						
				89-90 thinly bedded 75-85° CA						
				90-93 massive to very massive fine to medium grained grey colour rare qtz stringers 45° CA						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 10 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				93-94.2 massive diorite looking						
				94.2-101 thinly bedded, siltstone argillite @ 75° CA						
				101-102.5 greywacke massive fine to medium grained diorite looking						
				102.5-112.0 fine to fine-medium grained, good beds greywacke and siltstone rare qtz-carb veinlets						
				bedding ≈ 75° CA core locally broken, fractures parallel to CA						
				112.0-119.5 fractured @ 118.2m white qtz vein + minor py, (open space, qtz crystals geode)						
				119.5-124.0 fairly massive sed. bedding 75° CA						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 11 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				124-126 fractured rare qtz + py irregular stringers						
				126-133 becomes more altered lighter colour with qtz strings						
				133-135.7 more altered sil. hematized and pyritized						
				core locally badly broken						
				135.7-137 still altered fractured few qtz veinlets with minor beige alteration halos						
				137-141 darker grey colour fine grained fractured numerous hair-like qtz strings						
				141-161 fairly massive sed. rare zones with bedding darker grey green colour often [illegible] greywacke looking like diorite with						

PROJECT: ____________ PROPERTY: Tilly Creek SHEET No. 12 of 12 HOLE #: ML-03-11

METRES		GEOLOGICAL LOG			ASSAY RECORED					
From	To	Rock Type	Graphic Log	Description	Sample No.	From	Length	Width	Recovery	%S
				sharp contact ? // to bedding or later at 25° CA						
				161-167 still dark grey green colour bedding at 25° CA zone of possible diorite ?						
				167-171 grey colour, fine to medium grained good bedding 20 to 80 to CA						
				171-174 Massive						
174.0		End of hole		PERIOD: APRIL 21, 2003						
				DRILLING: CHIBOUGAMAU DIAMOND DRILLING						
				CASING LEFT IN PLACE: NO						
				CORE STORED ON PROPERTY						
				CLAIM # 1246766						

Claude Larouche
CLAUDE LAROUCHE

Appendix 2

Assays + Copy of Certificates

Hole: ML-03-01

Easting:	657428.00	***Northing:***	5375590.00	***Elevation:***	438.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	110	***Dip:***	-45	***Length:***	51.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219501	9.90	10.75	0.85	12	-1	-1
				219502	10.75	11.00	0.25	33	-1	-1
				219503	11.00	11.30	0.30	10	-1	-1
				219504	11.30	12.30	1.00	6	-1	-1
				219505	12.30	13.00	0.70	7	-1	-1
				219506	13.00	13.90	0.90	111	-1	-1
				219507	13.90	15.00	1.10	11	-1	-1
				219508	15.00	16.20	1.20	-5	-1	-1
				219509	16.20	16.80	0.60	-5	-1	-1
				219510	16.80	18.00	1.20	6	-1	-1
				219511	18.00	18.85	0.85	26	-1	-1
				219512	18.85	19.40	0.55	8	-1	-1
				219517	21.70	23.00	1.30	-5	-1	-1
				219513	41.60	42.50	0.90	6	-1	-1
				219514	43.60	44.40	0.80	-5	-1	-1
				219515	45.00	45.70	0.70	-5	-1	-1
				219516	50.50	51.00	0.50	11	-1	-1

End of Lithology and Assays ;

Hole: ML-03-02

Easting:	657408.00	***Northing:***	5375521.00	***Elevation:***	434.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	140	***Dip:***	-55	***Length:***	137.00 ***m.***
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:***	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	*From*	*To*	*Description*	*SampleNum*	*From*	*To*	*Length*	*Au* *ppb*	*Ag* *ppb*	*Cu* *ppm*
				219712	7.30	8.10	0.80	11	0	0
				219713	9.00	9.60	0.60	71	0	0
				219714	11.20	12.00	0.80	-5	0	0
				219715	20.00	21.00	1.00	18	0	0
				219716	33.20	34.30	1.10	9	0	0
				219717	49.40	50.20	0.80	17	0	0
				219718	57.70	58.80	1.10	42	0	0
				219719	60.90	61.50	0.60	-5	0	0
				219720	64.30	65.80	1.50	11	0	0

End of Lithology and Assays ;

Hole: ML-03-03

Easting:	657442.00	***Northing:***	5375511.00	***Elevation:***	437.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	130	***Dip:***	-45	***Length:***	102.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					

Description: Casing left in Hole

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219535	5.30	6.30	1.00	-5	0	0
				219536	7.20	8.30	1.10	-5	0	0
				219537	8.30	9.70	1.40	21	0	0
				219538	9.70	10.30	0.60	56	0	0
				219539	13.90	14.90	1.00	17	0	0
				219540	17.80	18.10	0.30	6	0	0
				219541	18.10	19.10	1.00	-5	0	0
				219542	19.90	20.90	1.00	-5	0	0
				219543	21.20	22.70	1.50	7	0	0
				219544	22.70	24.00	1.30	8	0	0
				219545	24.00	24.90	0.90	6	0	0
				219546	24.90	25.90	1.00	127	0	0
				219547	25.90	26.90	1.00	-5	0	0
				219548	28.40	29.80	1.40	-5	0	0
				219549	29.80	30.50	0.70	-5	0	0
				219550	31.20	32.70	1.50	-5	0	0
				219551	32.70	33.40	0.70	-5	0	0
				219552	33.40	35.00	1.60	-5	0	0
				219553	35.00	35.60	0.60	8	0	0
				219554	36.80	37.60	0.80	13	0	0
				219555	37.60	38.20	0.60	-5	0	0
				219556	41.10	42.00	0.90	-5	0	0
				219557	42.00	42.80	0.80	11	0	0
				219558	43.70	44.30	0.60	8	0	0
				219559	45.70	47.40	1.70	10	0	0
				219560	47.40	48.70	1.30	-5	0	0
				219561	59.40	60.60	1.20	9	0	0
				219562	60.60	61.60	1.00	-5	0	0
				219563	61.60	62.30	0.70	6	0	0
				219564	62.30	63.70	1.40	7	0	0
				219565	63.70	65.00	1.30	-5	0	0
				219566	65.00	66.00	1.00	-5	0	0
				219567	66.00	67.00	1.00	-5	0	0

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219568	67.00	69.00	2.00	-5	0	0
				219569	69.00	70.30	1.30	-5	0	0
				219570	73.20	74.20	1.00	-5	0	0
				219571	78.00	79.10	1.10	-5	0	0
				219572	79.10	79.80	0.70	-5	0	0

End of Lithology and Assays ;

Hole: ML-03-04

Easting:	657212.00	***Northing:***	5375933.00	***Elevation:***	425.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	140	***Dip:***	-45	***Length:***	136.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219711	48.20	49.50	1.30	5	0	0

End of Lithology and Assays ;

Hole: ML-03-05

Easting:	657419.00	**Northing:**	5375553.00	**Elevation:**	435.00
AltNorthing:	0.00	**AltEasting:**	0.00	**AltElevation:**	0.00
Azimuth:	140	**Dip:**	-45	**Length:**	51.00 *m.*
AltAzimuth:	0.00				
Hole Type:	NQ	**Zone:**		**Contractor:**	Chibougamau DD
Started:	27/04/2003	**Finished:**	27/04/2003	**Logged By:**	C. Larouche
Claim:		**Cemented:**	☐	**Surveyed:**	☐
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219573	14.40	15.60	1.20	11	0	0
				219574	15.60	17.00	1.40	-5	0	0
				219575	18.20	18.80	0.60	-5	0	0
				219576	22.20	23.30	1.10	22	0	0
				219577	29.00	30.00	1.00	11	0	0
				219578	31.50	32.00	0.50	-5	0	0
				219579	35.20	35.90	0.70	13	0	0
				219580	37.40	38.80	1.40	-5	0	0
				219581	38.80	39.50	0.70	-5	0	0
				219582	39.50	40.20	0.70	-5	0	0
				219583	45.00	45.60	0.60	13	0	0

End of Lithology and Assays ;

Hole: ML-03-06

Easting:	657610.00	***Northing:***	5375669.00	***Elevation:***	439.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	145	***Dip:***	-50	***Length:***	75.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219518	7.60	8.60	1.00	10	0	0
				219519	18.40	19.40	1.00	-5	0	0
				219520	21.00	22.70	1.70	-5	0	0
				219521	22.70	24.00	1.30	-5	0	0
				219522	24.00	24.90	0.90	-5	0	0
				219523	25.70	26.80	1.10	-5	0	0
				219524	27.70	28.70	1.00	-5	0	0
				219525	31.00	32.00	1.00	-5	0	0
				219526	32.00	33.00	1.00	-5	0	0
				219527	33.80	35.50	1.70	-5	0	0
				219528	36.90	37.90	1.00	-5	0	0
				219529	39.50	40.40	0.90	-5	0	0
				219530	41.70	42.20	0.50	-5	0	0
				219531	47.00	48.00	1.00	-5	0	0
				219532	54.50	55.70	1.20	-5	0	0
				219533	55.70	56.80	1.10	75	0	0
				219534	56.80	58.10	1.30	-5	0	0

End of Lithology and Assays ;

Hole: ML-03-07

Easting:	657419.00	***Northing:***	5375553.00	***Elevation:***	435.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	140	***Dip:***	-70	***Length:***	61.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	*From*	*To*	*Description*	*SampleNum*	*From*	*To*	*Length*	*Au* *ppb*	*Ag* *ppb*	*Cu* *ppm*
				219608	15.00	16.30	1.30	54	0	0
				219609	16.30	17.50	1.20	31	0	0
				219610	17.50	18.70	1.20	11	0	0
				219611	19.80	20.40	0.60	105	0	0
				219612	21.20	22.60	1.40	12	0	0
				219613	22.60	23.30	0.70	-5	0	0
				219614	24.00	24.70	0.70	8	0	0
				219615	24.70	25.90	1.20	7	0	0
				219616	25.90	27.10	1.20	123	0	0
				219617	30.60	31.90	1.30	698	0	0
				219618	32.50	33.20	0.70	19	0	0
				219619	33.50	34.70	1.20	7	0	0
				219620	34.70	35.70	1.00	11	0	0
				219621	37.40	38.10	0.70	-5	0	0
				219622	38.10	38.70	0.60	-5	0	0
				219623	39.00	40.20	1.20	9	0	0
				219624	40.80	41.90	1.10	59	0	0
				219625	41.90	43.30	1.40	9	0	0
				219626	43.80	44.70	0.90	-5	0	0
				219627	45.20	45.50	0.30	7	0	0

End of Lithology and Assays ;

Hole: ML-03-08

Easting:	657516.00	***Northing:***	5375611.00	***Elevation:***	439.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	140	***Dip:***	-45	***Length:***	102.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219584	16.60	17.10	0.50	-5	0	0
				219585	20.50	22.00	1.50	22	0	0
				219586	22.00	22.90	0.90	349	0	0
				219592	24.90	26.00	1.10	-5	0	0
				219593	27.00	28.50	1.50	466	0	0
				219587	31.10	32.00	0.90	16	0	0
				219588	32.00	33.40	1.40	-5	0	0
				219589	33.60	34.90	1.30	-5	0	0
				219590	40.30	41.90	1.60	64	0	0
				219591	50.00	51.30	1.30	-5	0	0
				219594	51.30	52.30	1.00	9	0	0
				219595	53.30	54.20	0.90	19	0	0
				219596	57.90	59.00	1.10	-5	0	0
				219597	60.50	61.50	1.00	-5	0	0
				219598	61.50	62.50	1.00	-5	0	0
				219599	62.50	63.60	1.10	19	0	0
				219600	65.00	66.00	1.00	6	0	0
				219601	67.70	68.70	1.00	6	0	0
				219602	72.20	73.70	1.50	-5	0	0
				219603	73.70	75.30	1.60	6	0	0
				219604	77.30	78.60	1.30	-5	0	0
				219605	78.60	80.20	1.60	12	0	0
				219606	80.20	82.20	2.00	7	0	0
				219607	86.60	87.70	1.10	-5	0	0

End of Lithology and Assays ;

Hole: ML-03-09

Easting:	657655.00	***Northing:***	5375714.00	***Elevation:***	436.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	140	***Dip:***	-45	***Length:***	63.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219628	2.70	4.00	1.30	10	0	0
				219629	7.70	9.00	1.30	20	0	0
				219630	9.00	10.60	1.60	-5	0	0
				219631	11.10	12.60	1.50	-5	0	0
				219632	12.60	14.10	1.50	8	0	0
				219633	14.90	15.50	0.60	-5	0	0
				219634	17.00	18.00	1.00	-5	0	0
				219635	24.60	25.80	1.20	6	0	0
				219636	30.10	31.50	1.40	-5	0	0
				219637	31.50	32.10	0.60	-5	0	0
				219638	32.10	33.00	0.90	-5	0	0
				219639	33.00	34.10	1.10	10	0	0
				219640	34.10	35.10	1.00	-5	0	0
				219641	35.10	36.00	0.90	-5	0	0
				219642	36.00	36.80	0.80	-5	0	0
				219643	36.80	37.40	0.60	-5	0	0
				219644	39.00	40.60	1.60	-5	0	0
				219645	40.60	41.80	1.20	26	0	0
				219646	41.80	43.20	1.40	-5	0	0
				219647	43.20	44.60	1.40	-5	0	0
				219648	44.60	46.00	1.40	-5	0	0
				219649	45.40	46.00	0.60	-5	0	0
				219650	46.00	47.30	1.30	-5	0	0
				219651	47.30	48.80	1.50	-5	0	0
				219652	50.50	52.00	1.50	-5	0	0
				219653	52.00	52.60	0.60	-5	0	0
				219654	52.60	53.90	1.30	-5	0	0
				219655	53.90	54.50	0.60	-5	0	0
				219656	54.50	55.00	0.50	61	0	0
				219657	55.00	56.00	1.00	-5	0	0
				219658	56.40	57.90	1.50	-5	0	0
				219659	57.90	59.40	1.50	-5	0	0

End of Lithology and Assays ;

Hole: ML-03-10

Easting:	657355.00	***Northing:***	5375497.00	***Elevation:***	433.00
AltNorthing:	0.00	***AltEasting:***	0.00	***AltElevation:***	0.00
Azimuth:	140	***Dip:***	-45.	***Length:***	141.00 *m.*
AltAzimuth:	0.00				
Hole Type: NQ		***Zone:***		***Contractor:*** Chibougamau DD	
Started: 27/04/2003		***Finished:*** 27/04/2003		***Logged By:*** C. Larouche	
Claim:		***Cemented:*** ☐		***Surveyed:*** ☐	
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219680	31.80	32.90	1.10	12	0	0
				219681	32.90	33.90	1.00	43	0	0
				219682	33.90	34.90	1.00	13	0	0
				219683	34.90	35.90	1.00	15	0	0
				219684	35.90	37.80	1.90	14	0	0
				219685	37.80	39.20	1.40	11	0	0
				219686	44.00	45.00	1.00	26	0	0
				219687	45.00	46.50	1.50	19	0	0
				219688	49.50	50.50	1.00	42	0	0
				219689	54.00	55.10	1.10	10	0	0
				219690	55.10	56.20	1.10	20	0	0
				219691	56.20	57.70	1.50	11	0	0
				219692	57.70	58.80	1.10	15	0	0
				219693	58.80	60.20	1.40	24	0	0
				219694	60.20	61.20	1.00	21	0	0
				219695	63.00	64.00	1.00	8	0	0
				219696	65.80	66.50	0.70	6	0	0
				219697	68.70	69.60	0.90	-5	0	0
				219698	71.90	73.50	1.60	10	0	0
				219699	73.50	74.60	1.10	9	0	0
				219700	77.60	78.90	1.30	57	0	0
				219701	78.90	79.90	1.00	141	0	0
				219702	79.90	81.00	1.10	13	0	0
				219703	81.00	82.40	1.40	13	0	0
				219704	83.00	84.00	1.00	8	0	0
				219705	87.40	88.40	1.00	6	0	0
				219706	88.40	90.00	1.60	12	0	0
				219707	90.70	92.00	1.30	18	0	0
				219708	93.70	94.30	0.60	13	0	0
				219709	95.90	96.80	0.90	13	0	0
				219710	108.00	109.00	1.00	-5	0	0

End of Lithology and Assays ;

Hole: ML-03-11

Easting:	656540.00	**Northing:**	5374483.00	**Elevation:**	425.00
AltNorthing:	0.00	**AltEasting:**	0.00	**AltElevation:**	0.00
Azimuth:	130	**Dip:**	-50	**Length:**	174.00 *m.*
AltAzimuth:	0.00				
Hole Type:	NQ	**Zone:**		**Contractor:**	Chibougamau DD
Started:	27/04/2003	**Finished:**	27/04/2003	**Logged By:**	C. Larouche
Claim:		**Cemented:**	☐	**Surveyed:**	☐
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219660	3.70	4.50	0.80	-5	0	0
				219661	4.50	5.10	0.60	9	0	0
				219662	9.00	10.50	1.50	-5	0	0
				219663	13.50	15.00	1.50	-5	0	0
				219664	15.00	15.70	0.70	-5	0	0
				219665	19.40	19.80	0.40	-5	0	0
				219666	22.80	24.20	1.40	-5	0	0
				219667	26.00	27.10	1.10	-5	0	0
				219668	29.50	30.30	0.80	16	0	0
				219669	32.00	33.00	1.00	8	0	0
				219670	33.00	34.50	1.50	31	0	0
				219671	37.70	38.80	1.10	32	0	0
				219672	41.10	41.40	0.30	6	0	0
				219673	42.70	44.30	1.60	-5	0	0
				219674	44.80	45.60	0.80	-5	0	0
				219675	49.80	51.00	1.20	18	0	0
				219676	51.00	52.50	1.50	16	0	0
				219677	69.00	70.00	1.00	1198	0	0
				219678	70.00	71.00	1.00	39	0	0
				219679	133.00	135.70	2.70	14	0	0

End of Lithology and Assays ;

Hole: TAN-00-01

Easting:	657715.00	**Northing:**	5375763.00	**Elevation:**	436.00
AltNorthing:	0.00	**AltEasting:**	0.00	**AltElevation:**	0.00
Azimuth:	140	**Dip:**	-45	**Length:**	100.00 *m.*
AltAzimuth:	0.00				
Hole Type:		**Zone:**		**Contractor:**	
Started:	27/04/2003	**Finished:**	27/04/2003	**Logged By:**	
Claim:		**Cemented:**	☐	**Surveyed:**	☐
Township:					
Description:					

Lithology and Assays:

Level	From	To	Description	SampleNum	From	To	Length	Au ppb	Ag ppb	Cu ppm
				219951	25.00	26.40	1.40	28	0	0
				219952	26.40	27.80	1.40	157	0	0
				219953	27.80	29.30	1.50	83	0	0
				219954	29.30	30.70	1.40	144	0	0
				219955	30.70	32.00	1.30	24	0	0
				219956	32.00	33.40	1.40	98	0	0
				219957	33.40	36.00	2.60	40	0	0
				219958	36.00	37.50	1.50	-5	0	0
				219959	37.50	39.20	1.70	5	0	0
				219960	39.20	40.60	1.40	21	0	0
				219961	40.60	42.10	1.50	20	0	0
				219962	42.10	43.60	1.50	13	0	0
				219963	43.60	45.10	1.50	9	0	0
				219964	45.10	46.60	1.50	-5	0	0
				219965	46.60	48.00	1.40	8	0	0
				219966	48.00	48.75	0.75	6	0	0
				219967	48.75	49.40	0.65	-5	0	0

End of Lithology and Assays ;

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Certificate of Analysis

Tuesday, April 22, 2003

Oval Bay Geological Consulting
385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email

Date Received : 21-Apr-03
Date Completed : 22-Apr-03
Job # 200340307
Reference : Pele
Sample #: 18 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
22917	219501	12	<0.001	0.012
22918	219502	33	<0.001	0.033
22919	219503	10	<0.001	0.010
22920	219504	6	<0.001	0.006
22921	219505	7	<0.001	0.007
22922	219506	111	0.003	0.111
22923	219507	11	<0.001	0.011
22924	219508	<5	<0.001	<0.005
22925	219509	<5	<0.001	<0.005
22926	219510	<5	<0.001	<0.005
22927 Check	219510	7	<0.001	0.007
22928	219511	26	<0.001	0.026
22929	219512	8	<0.001	0.008
ML-01 22930	219513	6	<0.001	0.006
22931	219514	<5	<0.001	<0.005
22932	219515	<5	<0.001	<0.005
22933	219516	11	<0.001	0.011
22934	219517	<5	<0.001	<0.005
ML-06 22935	219518	10	<0.001	0.010

PROCEDURE CODES: AL4Au3

Certified By:

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Date Completed : 22-Apr-03
Job # 200340307
Reference : Pele
Sample #: 18 Core

Accurassay #	Client Id		Au ppb	Au oz/t	Au g/t (ppm)
22917	219501		12	<0.001	0.012
22918	219502		33	<0.001	0.033
22919	219503		10	<0.001	0.010
22920	219504		6	<0.001	0.006
22921	219505		7	<0.001	0.007
22922	219506		111	0.003	0.111
22923	219507		11	<0.001	0.011
22924	219508	ML-03-01	<5	<0.001	<0.005
22925	219509		<5	<0.001	<0.005
22926	219510		<5	<0.001	<0.005
22927	Check 219510		7	<0.001	0.007
22928	219511		26	<0.001	0.026
22929	219512		8	<0.001	0.008
22930	219513		6	<0.001	0.006
22931	219514		<5	<0.001	<0.005
22932	219515		<5	<0.001	<0.005
22933	219516		11	<0.001	0.011
22934	219517		<5	<0.001	<0.005
22935	219518	ML-03-06	10	<0.001	0.010

PROCEDURE CODES: AL4Au3

Certified By:

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Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
22986	219519	<5	<0.001	<0.005
22987	219520	<5	<0.001	<0.005
22988	219521	<5	<0.001	<0.005
22989	219522	<5	<0.001	<0.005
22990	219523	<5	<0.001	<0.005
22991	219524	<5	<0.001	<0.005
22992	219525	<5	<0.001	<0.005
22993	219526	<5	<0.001	<0.005
22994	219527	<5	<0.001	<0.005
22995	219528	<5	<0.001	<0.005
22996 Check	219528	<5	<0.001	<0.005
22997	219529	<5	<0.001	<0.005
22998	219530	<5	<0.001	<0.005
22999	219531	<5	<0.001	<0.005
23000	219532	<5	<0.001	<0.005
23001	219533	75	0.002	0.075
23002	219534	<5	<0.001	<0.005
23003	219535	<5	<0.001	<0.005
23004	219536	<5	<0.001	<0.005
23005	219537	24	<0.001	0.024
23006 Check	219537	18	<0.001	0.018
23007	219538	56	0.002	0.056
23008	219539	17	<0.001	0.017

PROCEDURE CODES: AL4Au3

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Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference :.Pele
Sample #: 109 Core

Accurassay #		Client Id	Au ppb	Au oz/t	Au g/t (ppm)
22986		219519	<5	<0.001	<0.005
22987		219520	<5	<0.001	<0.005
22988		219521	<5	<0.001	<0.005
22989		219522	<5	<0.001	<0.005
22990		219523	<5	<0.001	<0.005
22991		219524	<5	<0.001	<0.005
22992		219525	<5	<0.001	<0.005
22993		219526	<5	<0.001	<0.005
22994		219527	<5	<0.001	<0.005
22995		219528	<5	<0.001	<0.005
22996	Check	219528	<5	<0.001	<0.005
22997		219529	<5	<0.001	<0.005
22998		219530	<5	<0.001	<0.005
22999		219531	<5	<0.001	<0.005
23000		219532	<5	<0.001	<0.005
23001		219533	75	0.002	0.075
23002		219534	<5	<0.001	<0.005
23003		219535	<5	<0.001	<0.005
23004		219536	<5	<0.001	<0.005
23005		219537	24	<0.001	0.024
23006	Check	219537	18	<0.001	0.018
23007		219538	56	0.002	0.056
23008		219539	17	<0.001	0.017

ML-03-06

ML-03-05

PROCEDURE CODES: AL4Au3

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Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23009	219540	6	<0.001	0.006
23010	219541	<5	<0.001	<0.005
23011	219542	<5	<0.001	<0.005
23012	219543	7	<0.001	0.007
23013	219544	8	<0.001	0.008
23014	219545	6	<0.001	0.006
23015	219546	124	0.004	0.124
23016 Check	219546	130	0.004	0.130
23017	219547	<5	<0.001	<0.005
23018	219548	<5	<0.001	<0.005
23019	219549	<5	<0.001	<0.005
23020	219550	<5	<0.001	<0.005
23021	219551	<5	<0.001	<0.005
23022	219552	<5	<0.001	<0.005
23023	219553	8	<0.001	0.008
23024	219554	13	<0.001	0.013
23025	219555	<5	<0.001	<0.005
23026 Check	219555	<5	<0.001	<0.005
23027	219556	<5	<0.001	<0.005
23028	219557	11	<0.001	0.011
23029	219558	8	<0.001	0.008
23030	219559	10	<0.001	0.010
23031	219560	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

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Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23009	219540	6	<0.001	0.006
23010	219541	<5	<0.001	<0.005
23011	219542	<5	<0.001	<0.005
23012	219543	7	<0.001	0.007
23013	219544	8	<0.001	0.008
23014	219545	6	<0.001	0.006
23015	219546	124	0.004	0.124
23016 Check	219546	130	0.004	0.130
23017	219547	<5	<0.001	<0.005
23018	219548	<5	<0.001	<0.005
23019	219549	<5	<0.001	<0.005
23020	219550	<5	<0.001	<0.005
23021	219551	<5	<0.001	<0.005
23022	219552	<5	<0.001	<0.005
23023	219553	8	<0.001	0.008
23024	219554	13	<0.001	0.013
23025	219555	<5	<0.001	<0.005
23026 Check	219555	<5	<0.001	<0.005
23027	219556	<5	<0.001	<0.005
23028	219557	11	<0.001	0.011
23029	219558	8	<0.001	0.008
23030	219559	10	<0.001	0.010
23031	219560	<5	<0.001	<0.005

ML-03-03

PROCEDURE CODES: AL4Au3

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Fax#:
Email ovalbay@tbaytel.net

Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23032	219561	9	<0.001	0.009
23033	219562	<5	<0.001	<0.005
23034	219563	6	<0.001	0.006
23035	219564	8	<0.001	0.008
23036 Check	219564	<5	<0.001	<0.005
23037	219565	<5	<0.001	<0.005
23038	219566	<5	<0.001	<0.005
23039	219567	<5	<0.001	<0.005
23040	219568	<5	<0.001	<0.005
23041	219569	<5	<0.001	<0.005
23042	219570	<5	<0.001	<0.005
23043	219571	<5	<0.001	<0.005
23044	219572	<5	<0.001	<0.005
23045	219573	13	<0.001	0.013
23046 Check	219573	10	<0.001	0.010
23047	219574	<5	<0.001	<0.005
23048	219575	<5	<0.001	<0.005
23049	219576	22	<0.001	0.022
23050	219577	11	<0.001	0.011
23051	219578	<5	<0.001	<0.005
23052	219579	13	<0.001	0.013
23053	219580	<5	<0.001	<0.005
23054	219581	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

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Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23032	219561	9	<0.001	0.009
23033	219562	<5	<0.001	<0.005
23034	219563	6	<0.001	0.006
23035	219564	8	<0.001	0.008
23036 Check	219564	<5	<0.001	<0.005
23037	219565	<5	<0.001	<0.005
23038	219566	<5	<0.001	<0.005
23039	219567	<5	<0.001	<0.005
23040	219568	<5	<0.001	<0.005
23041	219569	<5	<0.001	<0.005
23042	219570	<5	<0.001	<0.005
23043	219571	<5	<0.001	<0.005
23044	219572	<5	<0.001	<0.005
23045	219573	13	<0.001	0.013
23046 Check	219573	10	<0.001	0.010
23047	219574	<5	<0.001	<0.005
23048	219575	<5	<0.001	<0.005
23049	219576	22	<0.001	0.022
23050	219577	11	<0.001	0.011
23051	219578	<5	<0.001	<0.005
23052	219579	13	<0.001	0.013
23053	219580	<5	<0.001	<0.005
23054	219581	<5	<0.001	<0.005

ML-03-05

PROCEDURE CODES: AL4Au3

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Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23055	219582	<5	<0.001	<0.005
23056 Check	219582	<5	<0.001	<0.005
23057	219583	13	<0.001	0.013
23058	219584	<5	<0.001	<0.005
23059	219585	22	<0.001	0.022
23060	219586	349	0.010	0.349
23061	219587	16	<0.001	0.016
23062	219588	<5	<0.001	<0.005
23063	219589	<5	<0.001	<0.005
23064	219590	64	0.002	0.064
23065	219591	<5	<0.001	<0.005
23066 Check	219591	<5	<0.001	<0.005
23067	219592	<5	<0.001	<0.005
23068	219593	466	0.014	0.466
23069	219594	9	<0.001	0.009
23070	219595	19	<0.001	0.019
23071	219596	<5	<0.001	<0.005
23072	219597	<5	<0.001	<0.005
23073	219598	<5	<0.001	<0.005
23074	219599	19	<0.001	0.019
23075	219600	6	<0.001	0.006
23076 Check	219600	<5	<0.001	<0.005
23077	219601	6	<0.001	0.006

PROCEDURE CODES: AL4Au3

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Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

ML-03-05

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23055	219582	<5	<0.001	<0.005
23056 Check	219582	<5	<0.001	<0.005
23057	219583	13	<0.001	0.013
23058	219584	<5	<0.001	<0.005
23059	219585	22	<0.001	0.022
23060	219586	349	0.010	0.349
23061	219587	16	<0.001	0.016
23062	219588	<5	<0.001	<0.005
23063	219589	<5	<0.001	<0.005
23064	219590	64	0.002	0.064
23065	219591	<5	<0.001	<0.005
23066 Check	219591	<5	<0.001	<0.005
23067	219592	<5	<0.001	<0.005
23068	219593	466	0.014	0.466
23069	219594	9	<0.001	0.009
23070	219595	19	<0.001	0.019
23071	219596	<5	<0.001	<0.005
23072	219597	<5	<0.001	<0.005
23073	219598	<5	<0.001	<0.005
23074	219599	19	<0.001	0.019
23075	219600	6	<0.001	0.006
23076 Check	219600	<5	<0.001	<0.005
23077	219601	6	<0.001	0.006

PROCEDURE CODES: AL4Au3

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Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #		Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23078		219602	<5	<0.001	<0.005
23079		219603	6	<0.001	0.006
23080		219604	<5	<0.001	<0.005
23081		219605	12	<0.001	0.012
23082		219606	7	<0.001	0.007
23083		219607	<5	<0.001	<0.005
23084		219608	54	0.002	0.054
23085		219609	29	<0.001	0.029
23086	Check	219609	32	<0.001	0.032
23087		219610	11	<0.001	0.011
23088		219611	105	0.003	0.105
23089		219612	12	<0.001	0.012
23090		219613	<5	<0.001	<0.005
23091		219614	8	<0.001	0.008
23092		219615	7	<0.001	0.007
23093		219616	13	<0.001	0.013
23094		219617	698	0.020	0.698
23095		219618	22	<0.001	0.022
23096	Check	219618	15	<0.001	0.015
23097		219619	7	<0.001	0.007
23098		219620	11	<0.001	0.011
23099		219621	<5	<0.001	<0.005
23100		219622	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-04/23/2003 03:20 PM

Accurassay Laboratories
A DIVISION OF ASSAY LABORATORY SERVICES INC.
MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Wednesday, April 23, 2003

Oval Bay Geological Consulting
385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23078	219602	<5	<0.001	<0.005
23079	219603	6	<0.001	0.006
23080	219604	<5	<0.001	<0.005
23081	219605	12	<0.001	0.012
23082	219606	7	<0.001	0.007
23083	219607	<5	<0.001	<0.005
23084	219608	54	0.002	0.054
23085	219609	29	<0.001	0.029
23086 Check	219609	32	<0.001	0.032
23087	219610	11	<0.001	0.011
23088	219611	105	0.003	0.105
23089	219612	12	<0.001	0.012
23090	219613	<5	<0.001	<0.005
23091	219614	8	<0.001	0.008
23092	219615	7	<0.001	0.007
23093	219616	13	<0.001	0.013
23094	219617	698	0.020	0.698
23095	219618	22	<0.001	0.022
23096 Check	219618	15	<0.001	0.015
23097	219619	7	<0.001	0.007
23098	219620	11	<0.001	0.011
23099	219621	<5	<0.001	<0.005
23100	219622	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-04/23/2003 03:20 PM

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Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23101	219623	9	<0.001	0.009
23102	219624	59	0.002	0.059
23103	219625	9	<0.001	0.009
23104	219626	<5	<0.001	<0.005
23105	219627	9	<0.001	0.009
23106 Check	219627	6	<0.001	0.006

PROCEDURE CODES: AL4A03

Certified By:

AL903-0318-04/23/2003 03:20 PM

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1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
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Certificate of Analysis

Wednesday, April 23, 2003

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385 Riviera Drive
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P7B6K2
Ph#: (807) 767-0445
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Email ovalbay@tbaytel.net

Date Received : 22-Apr-03
Date Completed : 23-Apr-03
Job # 200340311
Reference : Pele
Sample #: 109 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
23101	219623	9	<0.001	0.009
23102	219624	59	0.002	0.059
23103	219625	9	<0.001	0.009
23104	219626	<5	<0.001	<0.005
23105	219627	9	<0.001	0.009
23106 Check	219627	6	<0.001	0.006

PROCEDURE CODES: AL4AU3

Certified By:

AL903-0318-04/23/2003 03:20 PM

Accurassay Laboratories
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MINERAL ASSAY DIVISION

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www.accurassay.com

Certificate of Analysis

Thursday, May 01, 2003

Oval Bay Geological Consulting
385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 28-Apr-03
Date Completed : 01-May-03
Job # 200340345
Reference :
Sample #: 110 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24567	219628	10	<0.001	0.010
24568	219629	20	<0.001	0.020
24569	219630	<5	<0.001	<0.005
24570	219631	<5	<0.001	<0.005
24571	219632	8	<0.001	0.008
24572	219633	<5	<0.001	<0.005
24573	219634	<5	<0.001	<0.005
24574	219635	6	<0.001	0.006
24575	219636	<5	<0.001	<0.005
24576	219637	<5	<0.001	<0.005
24577 Check	219637	<5	<0.001	<0.005
24578	219638	<5	<0.001	<0.005
24579	219639	10	<0.001	0.010
24580	219640	<5	<0.001	<0.005
24581	219641	<5	<0.001	<0.005
24582	219642	<5	<0.001	<0.005
24583	219643	<5	<0.001	<0.005
24584	219644	<5	<0.001	<0.005
24585	219645	26	<0.001	0.026
24586	219646	<5	<0.001	<0.005
24587 Check	219646	<5	<0.001	<0.005
24588	219647	<5	<0.001	<0.005
24589	219648	<5	<0.001	<0.005

ML-03-09

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-05/01/2003 04:15 PM

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MINERAL ASSAY DIVISION

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Thursday, May 01, 2003

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Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 28-Apr-03
Date Completed : 01-May-03
Job # 200340345
Reference :
Sample #: 110 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24590	219649	<5	<0.001	<0.005
24591	219650	<5	<0.001	<0.005
24592	219651	<5	<0.001	<0.005
24593	219652	<5	<0.001	<0.005
24594	219653	<5	<0.001	<0.005
24595	219654	<5	<0.001	<0.005
24596	219655	<5	<0.001	<0.005
24597 Check	219655	<5	<0.001	<0.005
24598	219656	61	0.002	0.061
24599	219657	<5	<0.001	<0.005
24600	219658	<5	<0.001	<0.005
24601	219659	<5	<0.001	<0.005
24602	219660	<5	<0.001	<0.005
24603	219661	9	<0.001	0.009
24604	219662	<5	<0.001	<0.005
24605	219663	<5	<0.001	<0.005
24606	219664	<5	<0.001	<0.005
24607 Check	219664	<5	<0.001	<0.005
24608	219665	<5	<0.001	<0.005
24609	219666	<5	<0.001	<0.005
24610	219667	<5	<0.001	<0.005
24611	219668	16	<0.001	0.016
24612	219669	8	<0.001	0.008

ML-03-09

ML-03-11

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-05/01/2003 04:15 PM

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MINERAL ASSAY DIVISION

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Certificate of Analysis

Thursday, May 01, 2003

Oval Bay Geological Consulting
385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 28-Apr-03
Date Completed : 01-May-03
Job # 200340345
Reference :
Sample #: 110 Core

Accurassay #		Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24613		219670	31	<0.001	0.031
24614		219671	32	<0.001	0.032
24615		219672	6	<0.001	0.006
24616		219673	<5	<0.001	<0.005
24617	Check	219673	<5	<0.001	<0.005
24618		219674	<5	<0.001	<0.005
24619		219675	18	<0.001	0.018
24620		219676	16	<0.001	0.016
24621		219677	1198	0.035	1.198
24622		219678	39	0.001	0.039
24623		219679	14	<0.001	0.014
24624		219680	12	<0.001	0.012
24625		219681	43	0.001	0.043
24626		219682	13	<0.001	0.013
24627	Check	219682	15	<0.001	0.015
24628		219683	15	<0.001	0.015
24629		219684	14	<0.001	0.014
24630		219685	11	<0.001	0.011
24631		219686	26	<0.001	0.026
24632		219687	19	<0.001	0.019
24633		219688	42	0.001	0.042
24634		219689	10	<0.001	0.010
24635		219690	20	<0.001	0.020

ML-03-11

ML-03-10

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-05/01/2003 04:15 PM

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Certificate of Analysis

Thursday, May 01, 2003

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385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 28-Apr-03
Date Completed : 01-May-03
Job # 200340345
Reference :
Sample #: 110 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24636	219691	11	<0.001	0.011
24637 Check	219691	14	<0.001	0.014
24638	219692	15	<0.001	0.015
24639	219693	24	<0.001	0.024
24640	219694	21	<0.001	0.021
24641	219695	8	<0.001	0.008
24642	219696	6	<0.001	0.006
24643	219697	<5	<0.001	<0.005
24644	219698	10	<0.001	0.010
24645	219699	9	<0.001	0.009
24646	219700	47	0.001	0.047
24647 Check	219700	67	0.002	0.067
24648	219701	141	0.004	0.141
24649	219702	13	<0.001	0.013
24650	219703	13	<0.001	0.013
24651	219704	8	<0.001	0.008
24652	219705	6	<0.001	0.006
24653	219706	12	<0.001	0.012
24654	219707	18	<0.001	0.018
24655	219708	13	<0.001	0.013
24656	219709	13	<0.001	0.013
24657 Check	219709	8	<0.001	0.008
24658	219710	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By:

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Certificate of Analysis

Thursday, May 01, 2003

Oval Bay Geological Consulting
385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 28-Apr-03
Date Completed : 01-May-03
Job # 200340345
Reference :
Sample #: 110 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24659	219711	5	<0.001	0.005
24660	219712	11	<0.001	0.011
24661	219713	71	0.002	0.071
24662	219714	<5	<0.001	<0.005
24663	219715	18	<0.001	0.018
24664	219716	9	<0.001	0.009
24665	219717	17	<0.001	0.017
24666	219718	42	0.001	0.042
24667 Check	219718	54	0.002	0.054
24668	219719	<5	<0.001	<0.005
24669	219720	11	<0.001	0.011
24670	219951	28	<0.001	0.028
24671	219952	157	0.005	0.157
24672	219953	83	0.002	0.083
24673	219954	144	0.004	0.144
24674	219955	24	<0.001	0.024
24675	219956	98	0.003	0.098
24676	219957	40	0.001	0.040
24677 Check	219957	25	<0.001	0.025
24678	219958	<5	<0.001	<0.005
24679	219959	5	<0.001	0.005
24680	219960	21	<0.001	0.021
24681	219961	20	<0.001	0.020

ML-03-01
ML-03-02
Previous data

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-05/01/2003 04:15 PM

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Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email ovalbay@tbaytel.net

Date Received : 28-Apr-03
Date Completed : 01-May-03
Job # 200340345
Reference :
Sample #: 110 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24682	219962	13	<0.001	0.013
24683	219963	9	<0.001	0.009
24684	219964	<5	<0.001	<0.005
24685	219965	8	<0.001	0.008
24686	219966	<5	<0.001	<0.005
24687 Check	219966	7	<0.001	0.007
24688	219967	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By:

AL903-0318-05/01/2003 04:15 PM

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Certificate of Analysis

Wednesday, May 14, 2003

Oval Bay Geological Consulting
385 Riviera Drive
Thunder Bay, ON, CA
P7B6K2
Ph#: (807) 767-0445
Fax#:
Email: ovalbay@tbaytel.net

Date Received : 13-May-03
Date Completed : 14-May-03
Job # 200340409
Reference :
Sample #: 1 Core

METALLICS GOLD

Accurassay	Client Id	#1 Pulp Assay g/t	#2 Pulp Assay g/t	Metallics Assay g/t	Total g/t	% Met. in Pulp	Pulp Met. Weight(g)
26586	219721	0.012	0.019	<0.005	0.016	1.57%	2.36

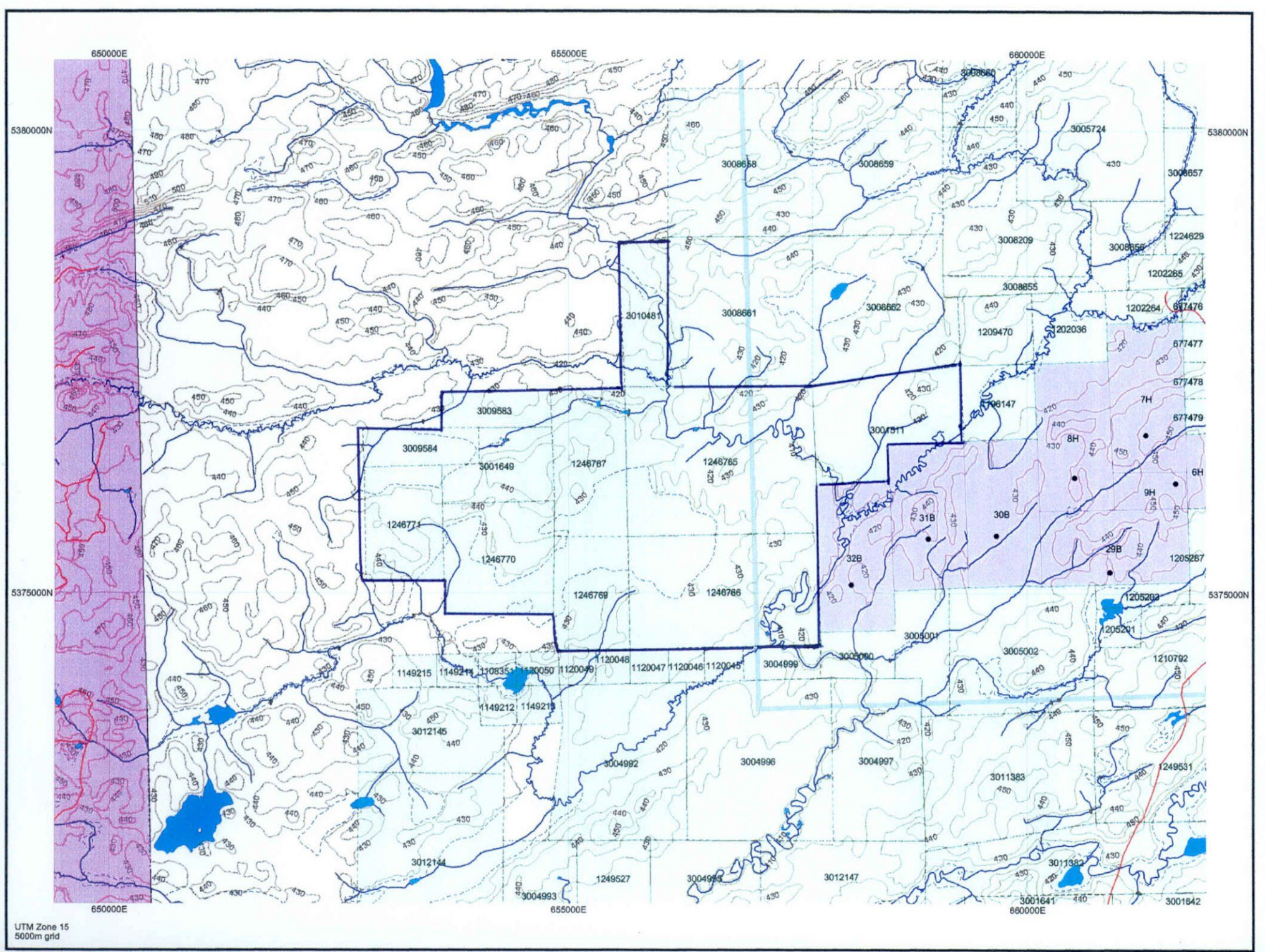
PROCEDURE CODES: AL/FM

Certified By:

AL908-0318-05/14/2003 03:59 PM

Appendix 3

Plans and X-sections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677477
677478
3009583
1206147
7H
677479
3007511
8H
3009584
3001649
1246767
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6H
9H
31B
30B
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32B
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1246766
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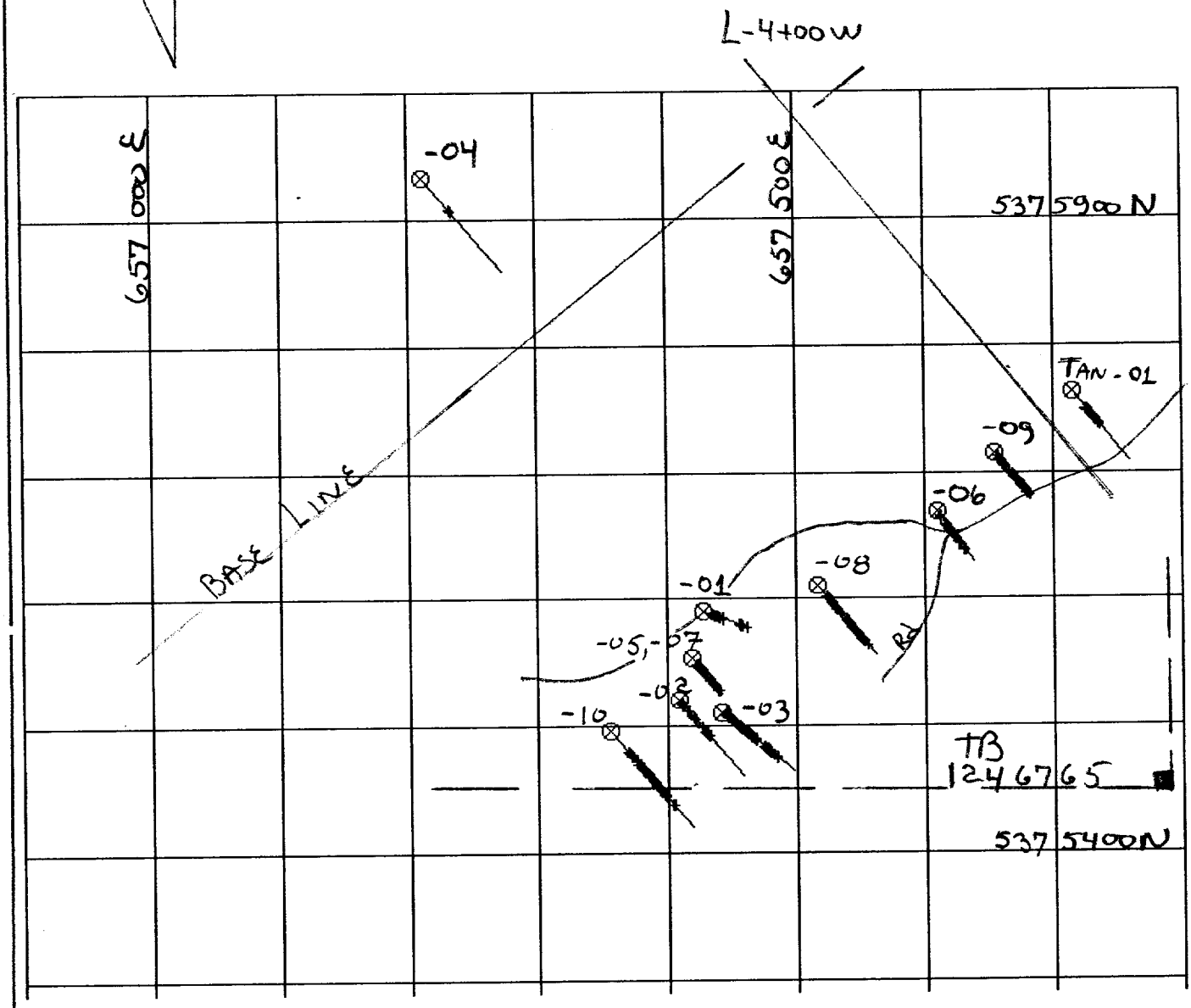
1120049
1149212
1149213
3012145
3004992
3004996
3004997
1249531
3011383
3012144
1249527
3004993
3012147
3011382
3001641
3001642
UTM Zone 15
5000m grid

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

NAD 27, ZONE 15



SURFACE PLAN

100m

1:5000

6078559 Canada Inc.

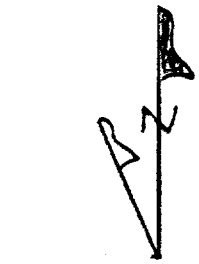
Tilly Creek property

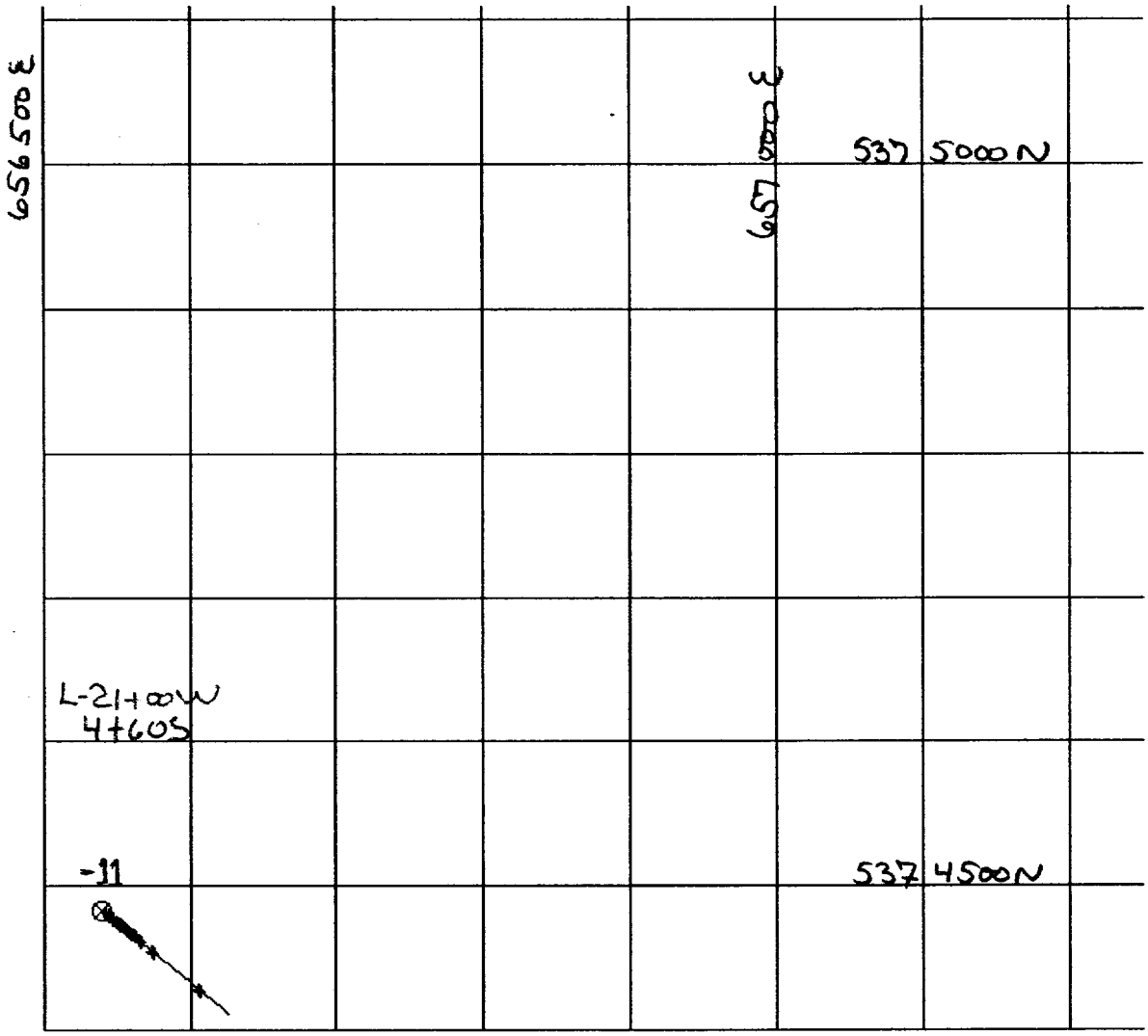
SIZE	FSCM NO.	DWG NO.	REV

SCALE		SHEET

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

NAD 27, ZONE 15





SURFACE PLAN

100m

1:5000

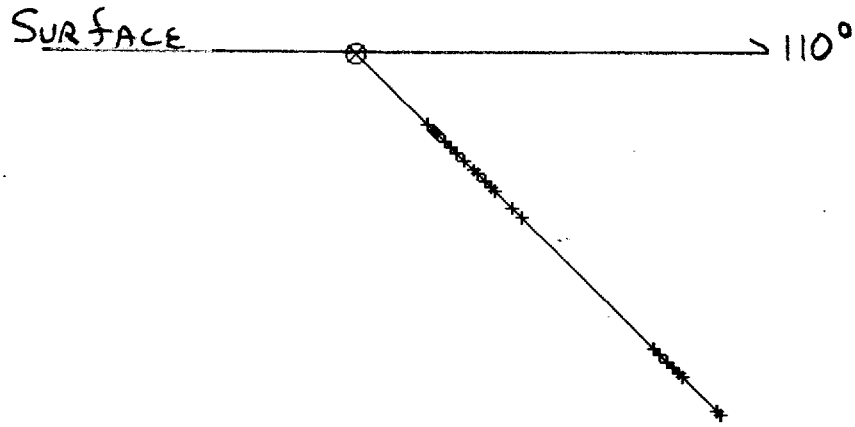
6078559 Canada Inc.

Tilly Creek property

SIZE	FSCM NO.	DWG NO.	REV

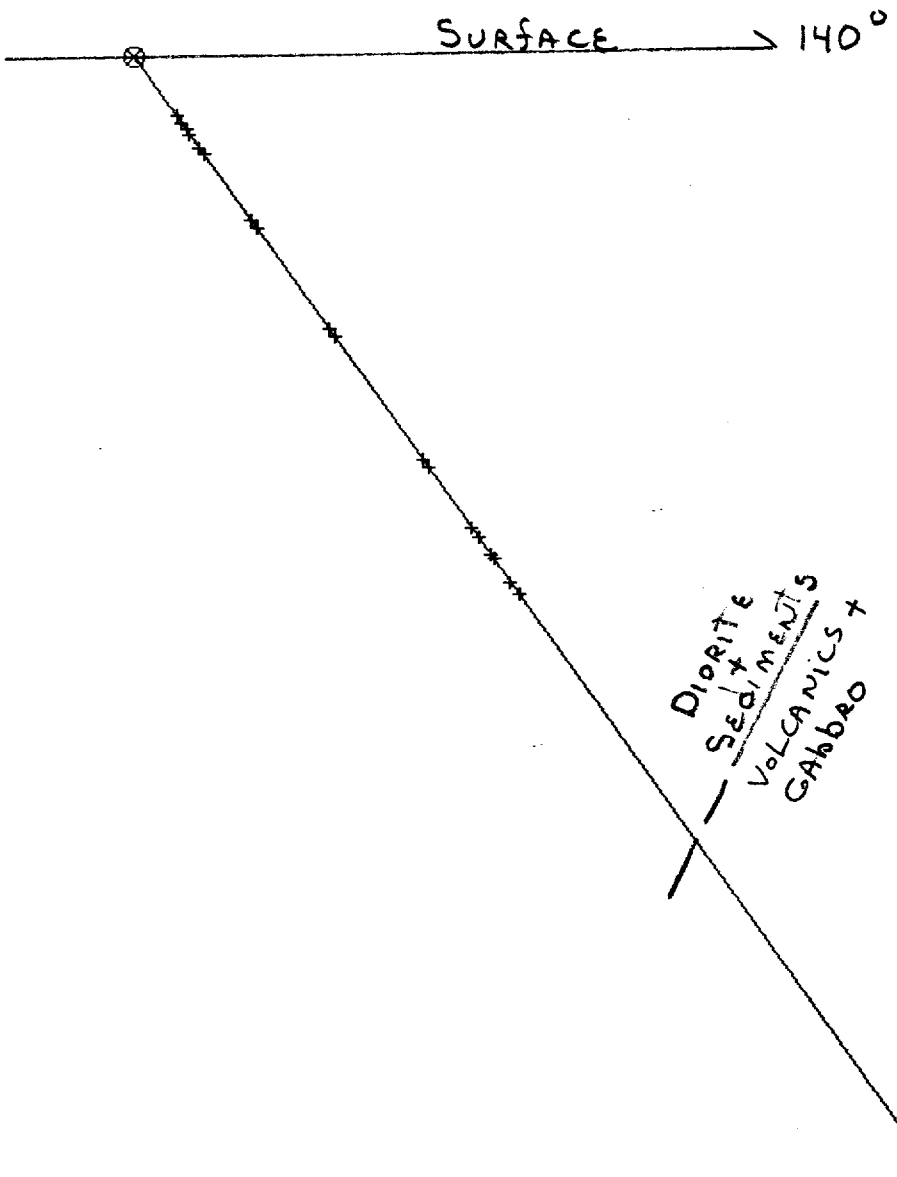
SCALE		SHEET

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



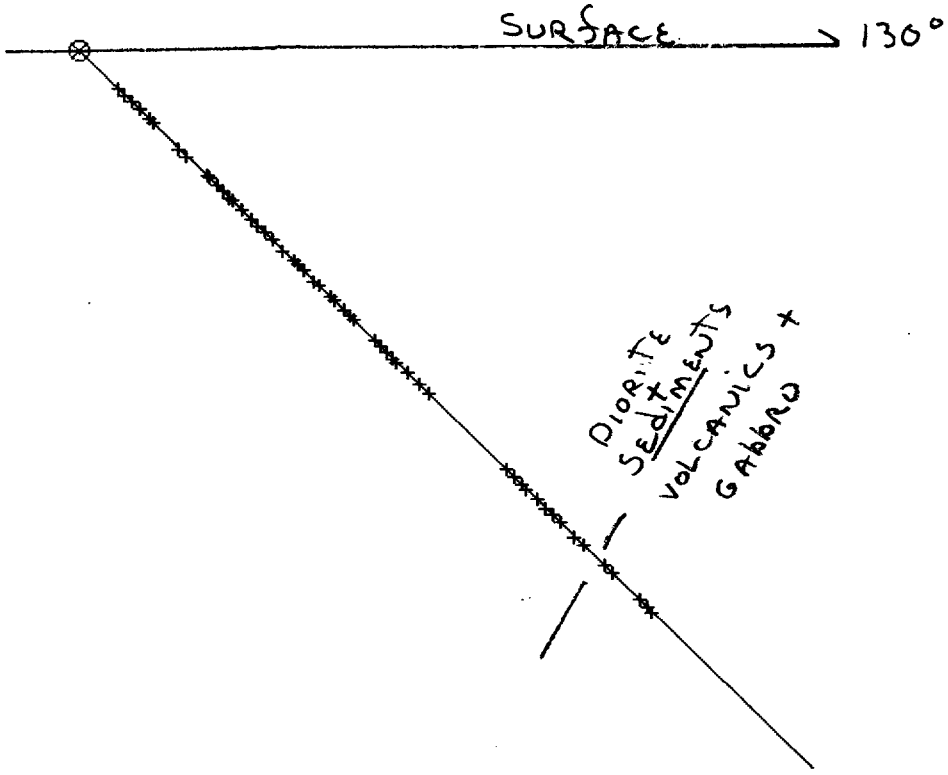
DDH Section:	6078559 Canada Inc.			
ML-03-01	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



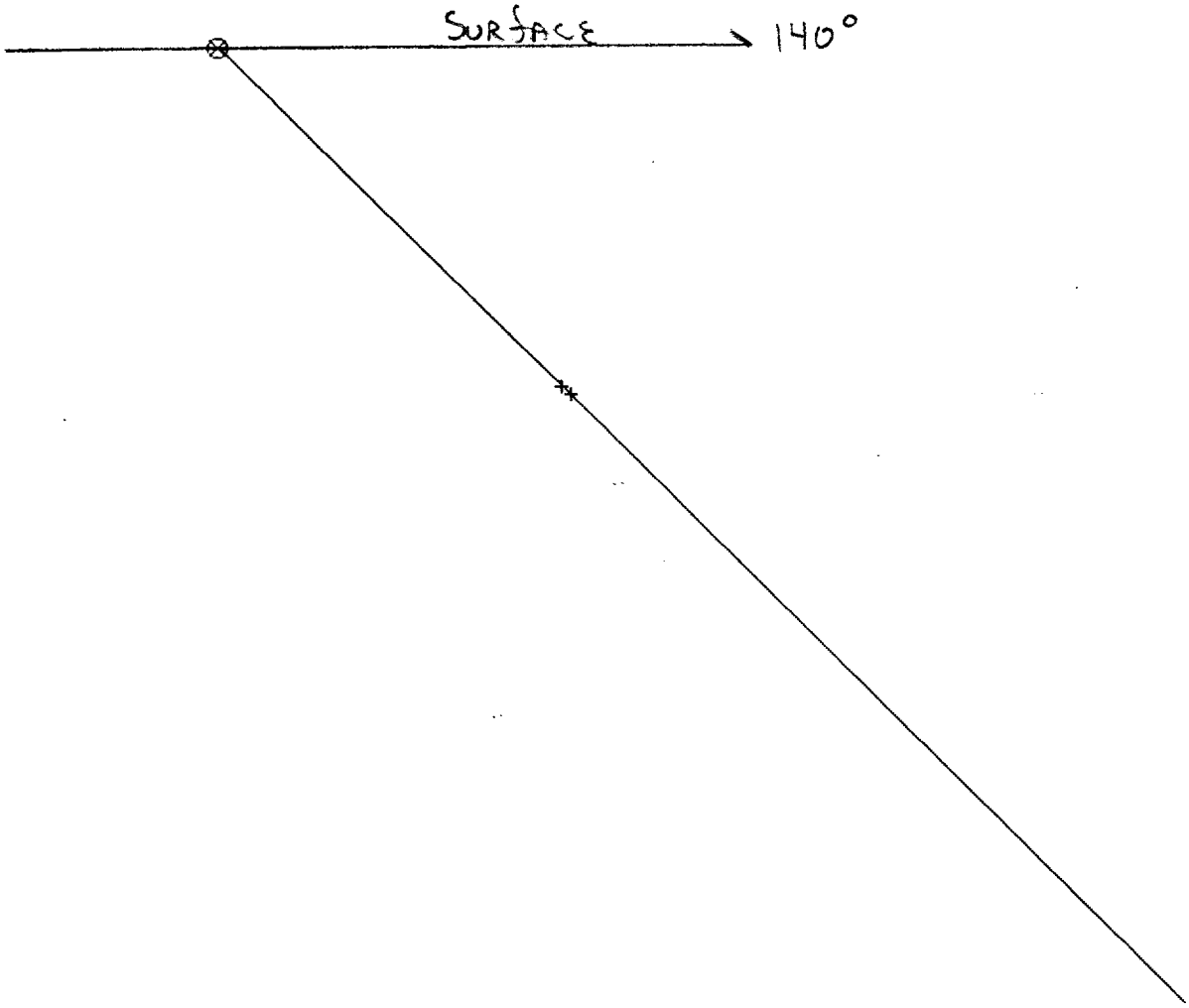
DDH Section: ML-03-02	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



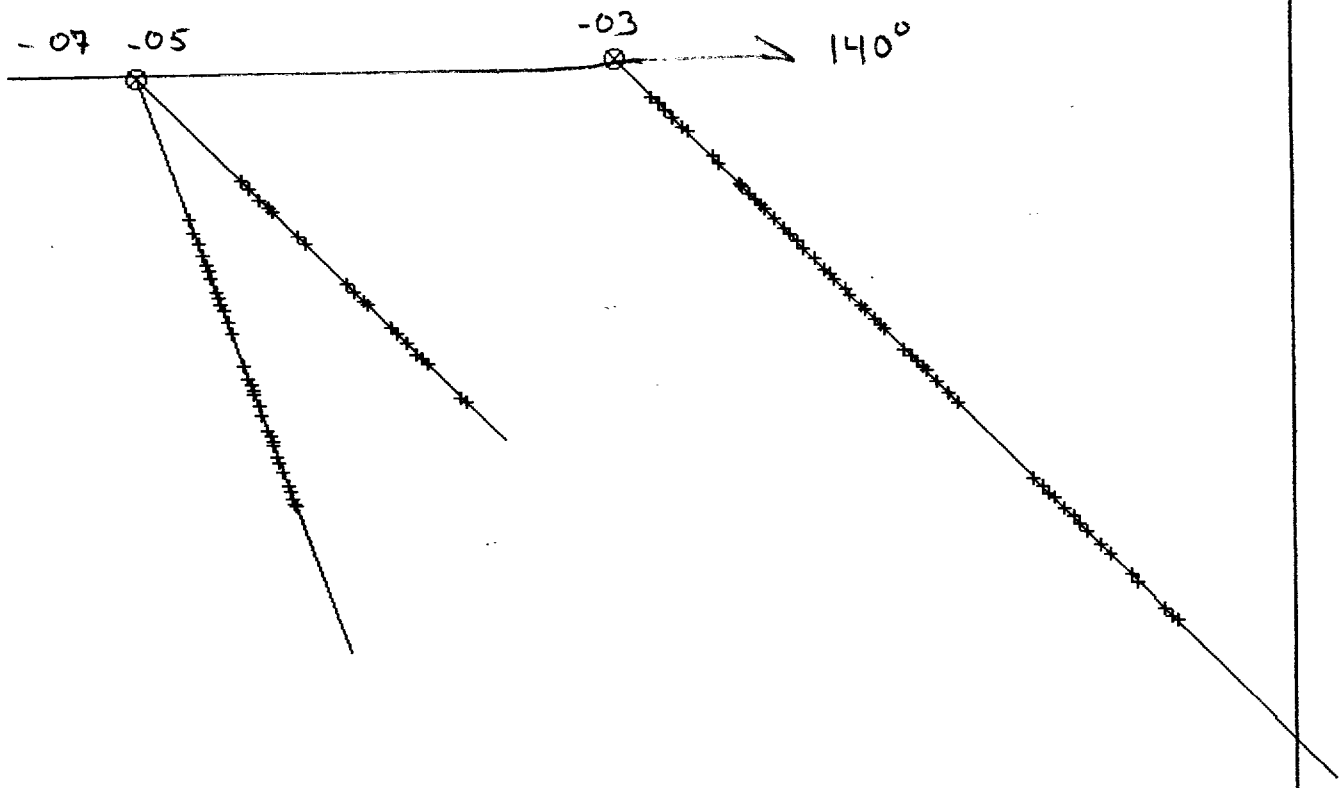
DDH Section: ML-03-03	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



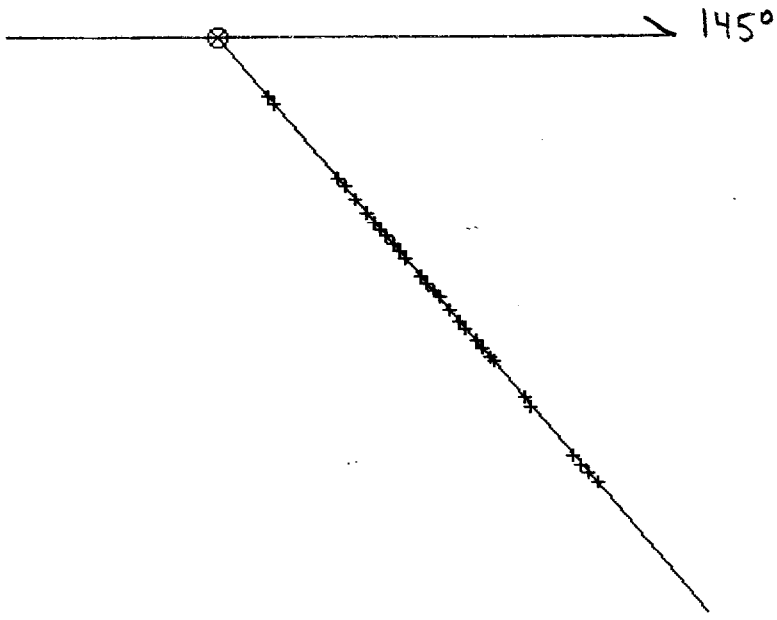
DDH Section: ML-03-04	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



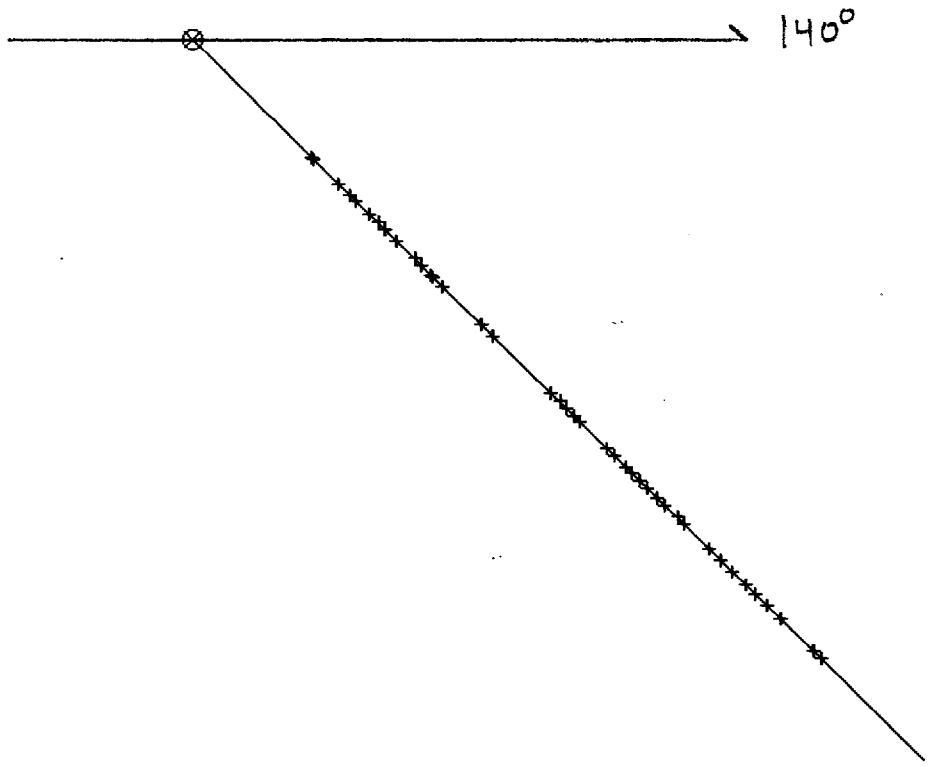
DDH Section: ML-03-05 07	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



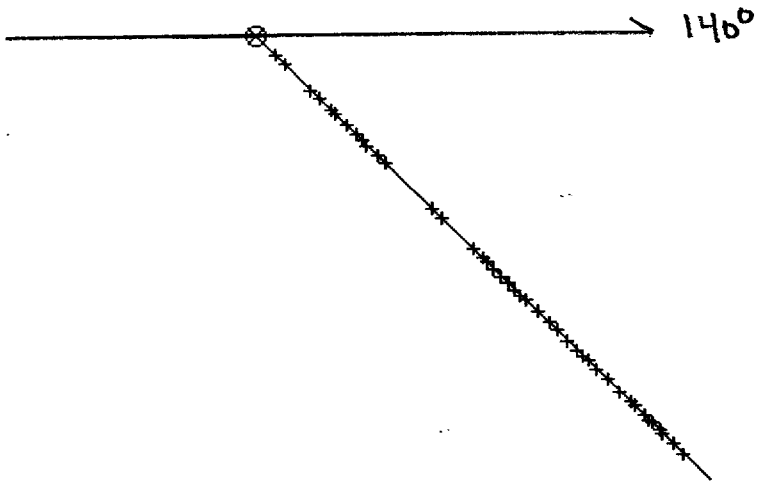
DDH Section: ML-03-06	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



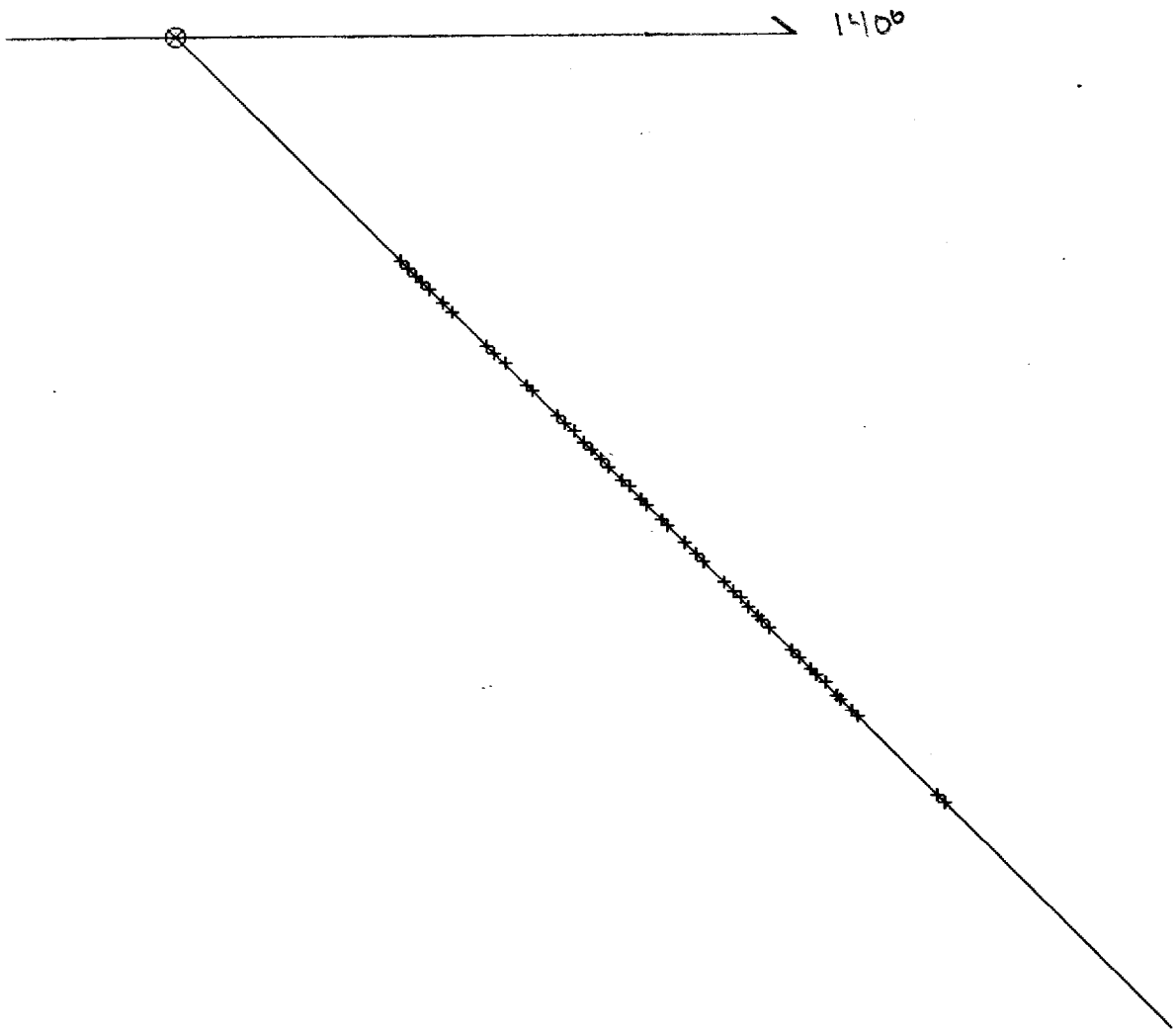
DDH Section: ML-03-08	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



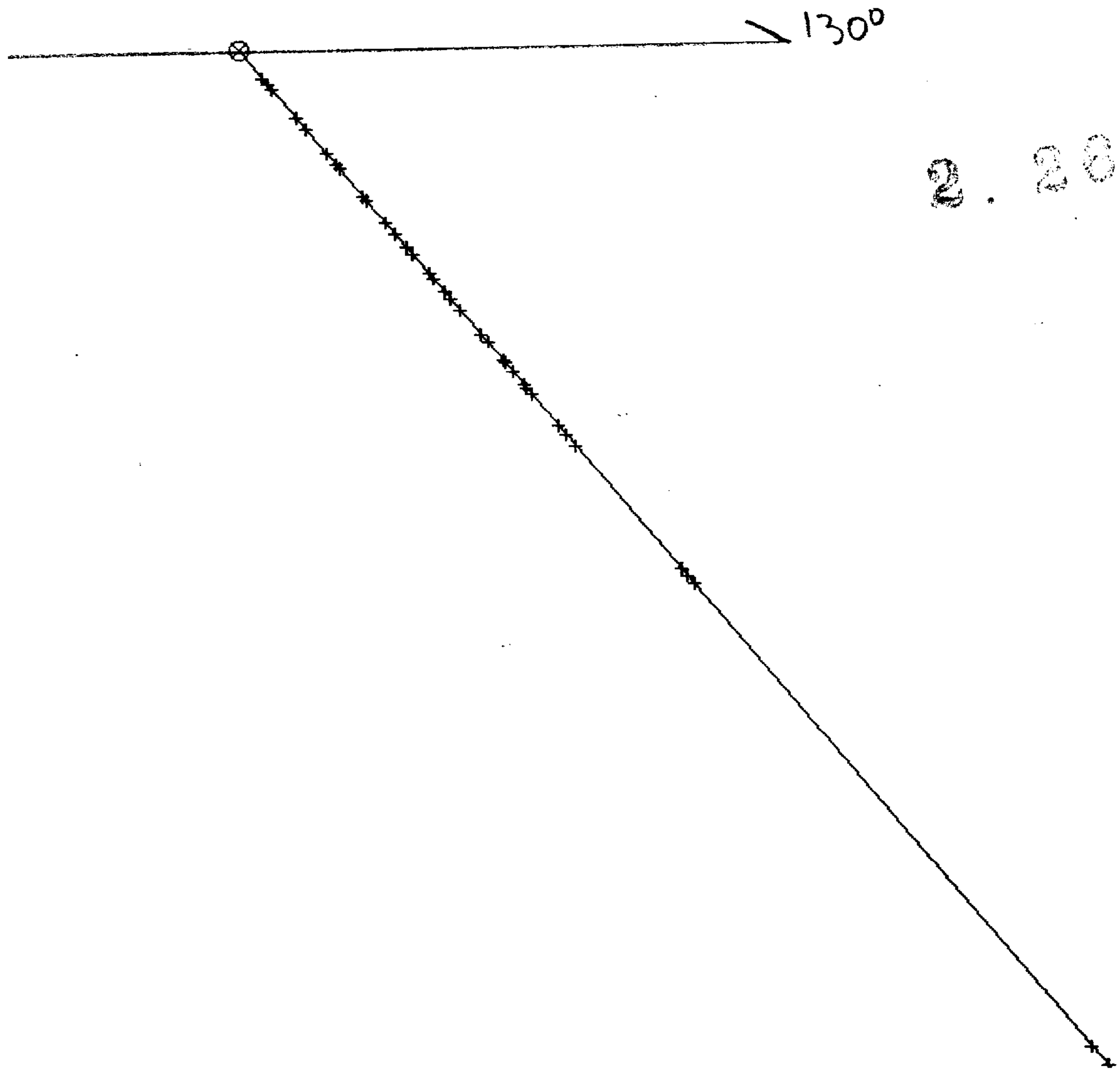
DDH Section: ML-03-09	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



DDH Section: ML-03-10	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



DDH Section:

ML-03-11

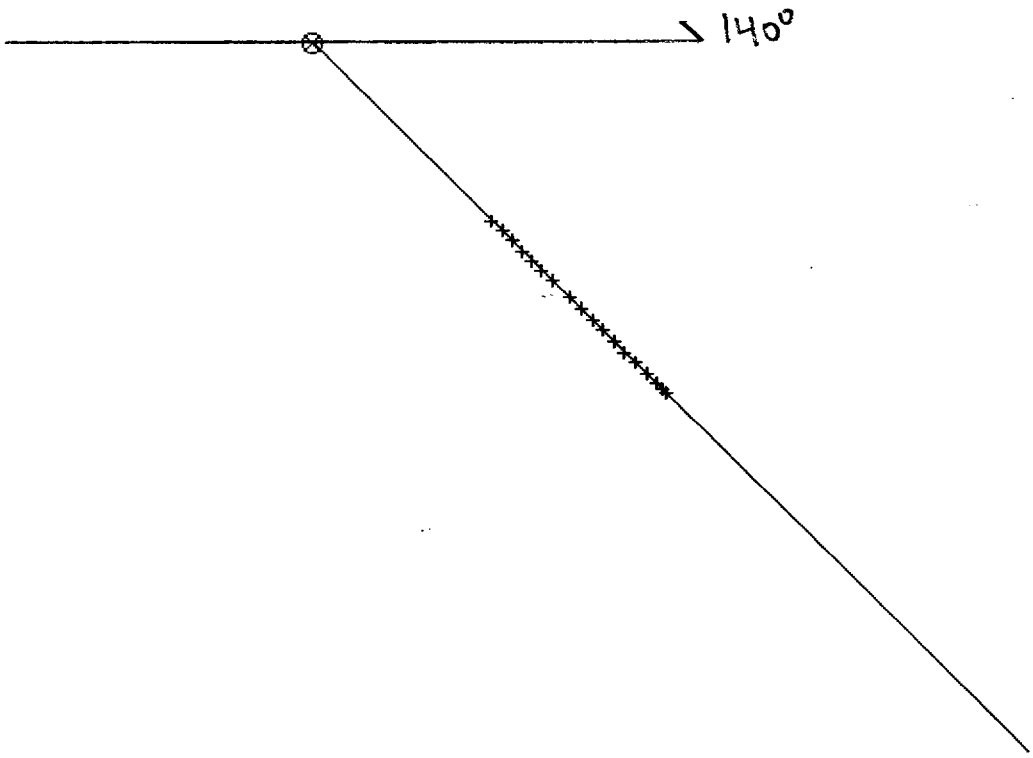
6078559 Canada Inc.

Tilly Creek property

SIZE	FSCM NO.	DWG NO.	REV

SCALE 1:750		SHEET

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



DDH Section: TAN-00-01	**6078559 Canada Inc.**			
	Tilly Creek property			
	SIZE	FSCM NO.	DWG NO.	REV
	SCALE 1:750		SHEET	

Work Report Summary

Transaction No: W0340.01781 **Status:** APPROVED
Recording Date: 2003-NOV-10 **Work Done from:** 2003-APR-14
Approval Date: 2003-NOV-19 **to:** 2003-APR-24

Client(s):

113427 BUMBU, COSTY
300867 POIRIER, ROBERT

Survey Type(s):

PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
TB 1246765	$43,062	$43,062	$0	$0	$11,600	11,600	$31,462	$31,462	2005-MAY-24
TB 1246767	$0	$0	$3,200	$3,200	$0	0	$0	$0	2005-JUN-27
TB 1246769	$0	$0	$2,400	$2,400	$0	0	$0	$0	2005-JUN-27
TB 1246770	$0	$0	$3,600	$3,600	$0	0	$0	$0	2005-JUN-27
TB 1246771	$0	$0	$2,400	$2,400	$0	0	$0	$0	2005-JUN-27
	$43,062	$43,062	$11,600	$11,600	$11,600	$11,600	$31,462	$31,462	

External Credits: $0

Reserve:

$31,462 Reserve of Work Report#: W0340.01781

$31,462 Total Remaining

Status of claim is based on information currently on record.

52B10SW2015 2.26637 MOSS

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2003-NOV-21

COSTY BUMBU
2816 RIDGEWAY STREET EAST
THUNDER BAY, ONTARIO
P7E 5K3 CANADA

Submission Number: 2.26637
Transaction Number(s): W0340.01781

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron C Gashinski.

Ron C. Gashinski
Senior Manager, Mining Lands Section

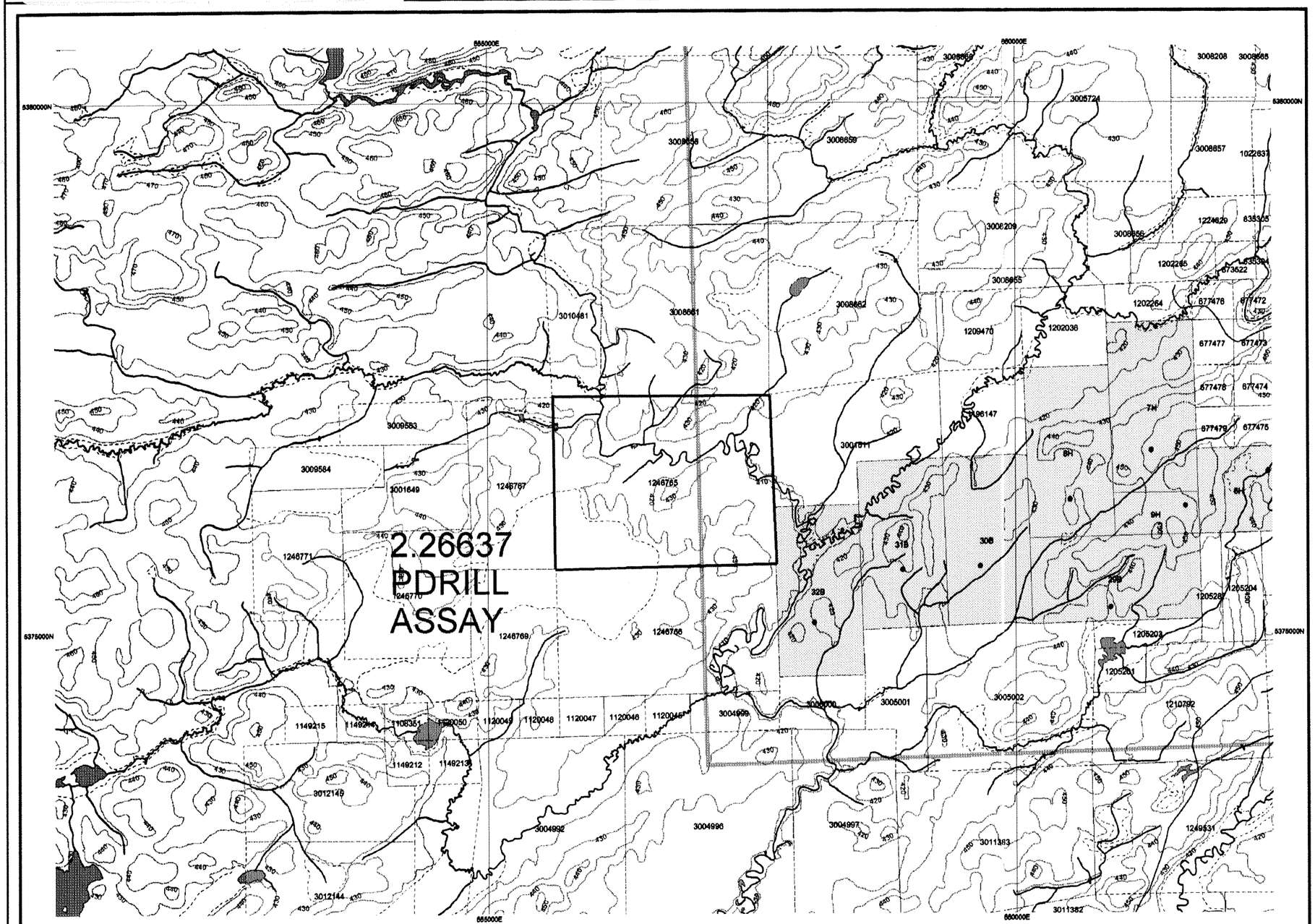
Cc: Resident Geologist

Costy Bumbu
(Claim Holder)

Robert Poirier
(Claim Holder)

Assessment File Library

Costy Bumbu
(Assessment Office)



ONTARIO CANADA

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

Date / Time of Issue: Fri Nov 21 08:20:57 EST 2003

TOWNSHIP / AREA	PLAN
TILLY LAKE AREA	G-0562

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Thunder Bay
Land Titles/Registry Division	THUNDER BAY
Ministry of Natural Resources District	THUNDER BAY

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- Mining Claim
- Filed Only Mining Claims

LAND TENURE WITHDRAWALS

- Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order in Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

No — IMPORTANT NOTICES

Scale 1:40000

700m 0m 2.1km

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5776
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.