Report on the

March to May 2001

Geological and Geophysical Programs

Mann Project

for

Broadlands Resources, Ltd.
Suite 305 – 1549 Marine Drive,
West Vacouver, B.C.
Canada V7V 1H9

and

Tres-Or Resources Ltd.
1934 – 131 Street,
White Rock, B.C.
Canada V4A 7R7

Mann and Duff Townships

Porcupine Mining Division, Ontario

N.T.S. 42 A/NW

2.23925

November, 2001

David St. Clair Dunn, P.Geo.

Table of Contents

List of Figures

List of Appendices

Summary

Mineral exploration programs, including geological mapping, relogging and sampling of historic diamond drill core and geophysical surveys were carried out on the Mann Property from March to May 2001. Todd Keast, P.Geo was contracted to map the exposures on the Frederick House River on the property(Fig. 5) and to log or relog and sample core from nine historic diamond drill holes(Appendix B). R. J. Daigle and Geoserve Canada Inc. were contracted to cut lines and carry out a total field magnetic survey and a Time Domain IP survey to add to previous surveys on the property. 14.8 km. of lines were cut at 100 metre intervals and chained and picketed at 25 metre intervals. All new lines and several old lines were surveyed for total field magnetics and 7.5 km of lines were surveyed with Time Domain I.P. A separate report documenting the geophysical surveys accompanies this report(Daigle,2001). The total cost of these programs was $28,658.46.

The geological and geophysical work outlined a number of areas with the potential for enrichment in PGE's. A 1000 metre diamond drilling program is recommended test these areas.

Introduction

The Mann Property is being explored for Platinum Group Metals (PGM) by a joint venture between Broadlands Resources, Ltd. and Tres-Or Resources Ltd. with Tres-Or as the operator. Todd Keast, P.Geo. was contracted by Tres-Or to carry out a program of geological mapping, relogging and sampling nine historic diamond drill holes, supervising geophysical surveys and tendering a diamond drill contract to several local drill companies. R.J. Daigle and Geoserve Canada were contracted to carry out total field magnetic and Time Domain I.P. surveys over part of the property and compile this data with previous surveys to cover the whole property. The author was commissioned by Laura Lee Duffett, P.Geo. President of Tres-Or, to integrate the geological and geophysical programs and prepare a report documenting this work.

Property Location and Access

The Mann Property is located 47 km north of Timmins, Ontario, within Duff Township and Mann Township, of the Porcupine Mining Division. The claims are situated in the northwest corner of Mann Township and the northeast corner of Duff Township. The project is centered at 48°52'N and 81°02'E NTS 42A/NW.

The Mann Project is easily accessed by travelling north along Hwy 11 approximately 14 km northwest of the Iroqouis Falls turnoff (Hwy 578), to the Potter Station turnoff. Travel west along this road for 19 km until you reach a bridge, which crosses the Frederick House River. This is the central portion of the Mann Project. A number of trails access the north and west portions of the property.

BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.

Mann Property

Porcupine M.D., Ontario, Canada

General Location Map

Scale: as shown	Coords: geographical	Figure: 1
Date: October, 2001	By: d.s.d./a.g.b.	

Topogaphy and Climate

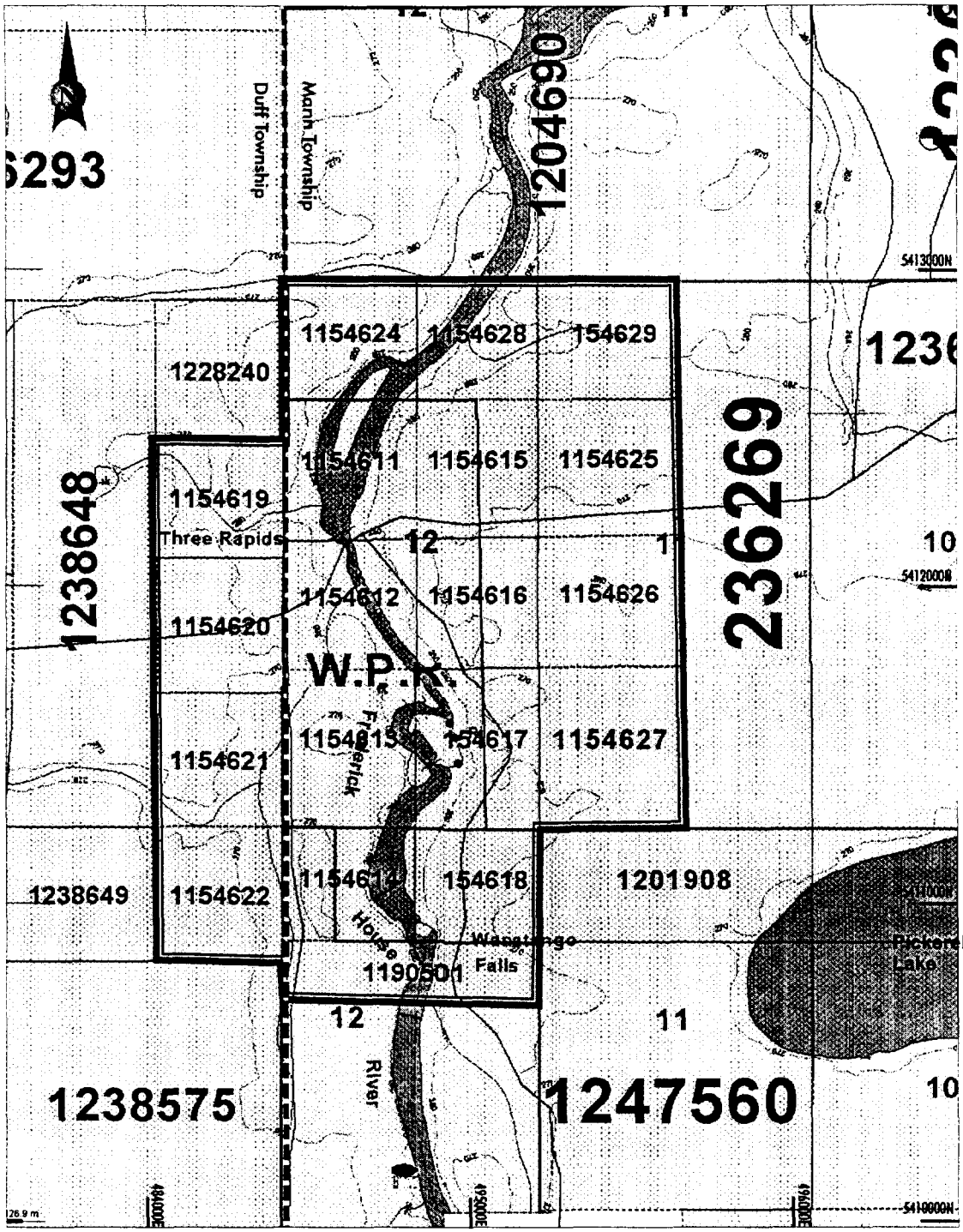
The topography of the Mann Project is flat to gently rolling. Outcrop exposure is low, approximately 1-2% except along the Frederick House River where outcrop is continuous in the southern part of the property and intermittent in the north. The majority of the property is covered by spruce bog, thick alder and muskeg. Drainage is controlled by a number of small creeks, which generally drain to the northwest into the Frederick House River, which in turn drains north. The climate of the project area is warm and dry in the summer months from May through to September, and cold and snowy from November to March. Temperatures range from +30 Celsius in the summer to –30 Celsius in the winter.

Property and Ownership

The Mann Project consists of 19 contiguous claims covering 304 ha, situated within Mann Township and Duff Township of the Porcupine Mining Division(Fig 2). Leonard Hill of South Porcupine, Ontario, is the registered holder (100%) of these claims. Tres-Or can earn a 100% interest in the property by making cash and stock payments with Leonard Hill retaining a royalty. Broadlands can earn a 75% interest in the claims by making stock and cash payments to Tres-Or. Claim abstract summaries are included in Appendix A. and a list of claims follows:

Table 1 – Claim Listing for Mann Project

Claim#	Township	Units	Hectares	Due Date	Holder
Duff	P1154619	1	16	July 19, 2002	L. Hill
Duff	P1154620	1	16	July 19, 2002	L. Hill
Duff	P1154621	1	16	July 19, 2002	L. Hill
Duff	P1154622	1	16	July 19, 2002	L. Hill
Mann	P1154611	1	16	July 19, 2002	L. Hill
Mann	P1154612	1	16	July 19, 2002	L. Hill
Mann	P1154613	1	16	July 19, 2002	L. Hill
Mann	P1154614	1	16	July 19, 2002	L. Hill
Mann	P1154615	1	16	July 19, 2002	L. Hill
Mann	P1154616	1	16	July 19, 2002	L. Hill
Mann	P1154617	1	16	July 19, 2002	L. Hill
Mann	P1154618	1	16	July 19, 2002	L. Hill
Mann	P1154624	1	16	Sept 20, 2002	L. Hill
Mann	P1154625	1	16	Sept 20, 2002	L. Hill
Mann	P1154626	1	16	Sept 20, 2002	L. Hill
Mann	P1154627	1	16	Sept 20, 2002	L. Hill
Mann	P1154628	1	16	Sep 20, 2002	L. Hill
Mann	P1154629	1	16	Sep 20, 2002	L. Hill
Mann	P1190501	1	16	July 28, 2003	L. Hill
Total		**19**	**304 ha**		



0 500 1000
metres

BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.

Mann Property

Porcupine M.D., Ontario, Canada

Claim Map

Scale: 1 : 20,000	Coords: UTM zone 17	Figure 2
Date: August, 2001	By: d.s.d./a.g.b.	

Regional Geology

The exploration targets on the Mann property are platinum group element mineralization and nickel-copper sulphide mineralization, hosted within specific layers of the Mann ultramafic intrusion. Ni-Cu sulphide deposits are generally associated with ultramafic and gabbroic volcanic rocks of both intrusive and extrusive nature. The Ni-Cu sulphide deposits are within specific sulphide rich horizons, which are conductive due to the high sulphide content. A summary of Ni-Cu sulphide deposits from the Timmins Area is included in Table 2.

Table 2 – Ni Cu Sulphide Deposits of the Timmins Area

Deposit Name	Grade	Tonnes
Texmont	0.93% Ni,Cu N.A.	3,190,000
Langmuir (1&2)	2.09% Ni,0.08%Cu	1,600,00
Alexo	4.5% Ni,0.50%Cu	52,000
Redstone	2.39%Ni,0.09%Cu	1,220,000
Montcalm	1.44%Ni,0.68%Cu	3,560,000

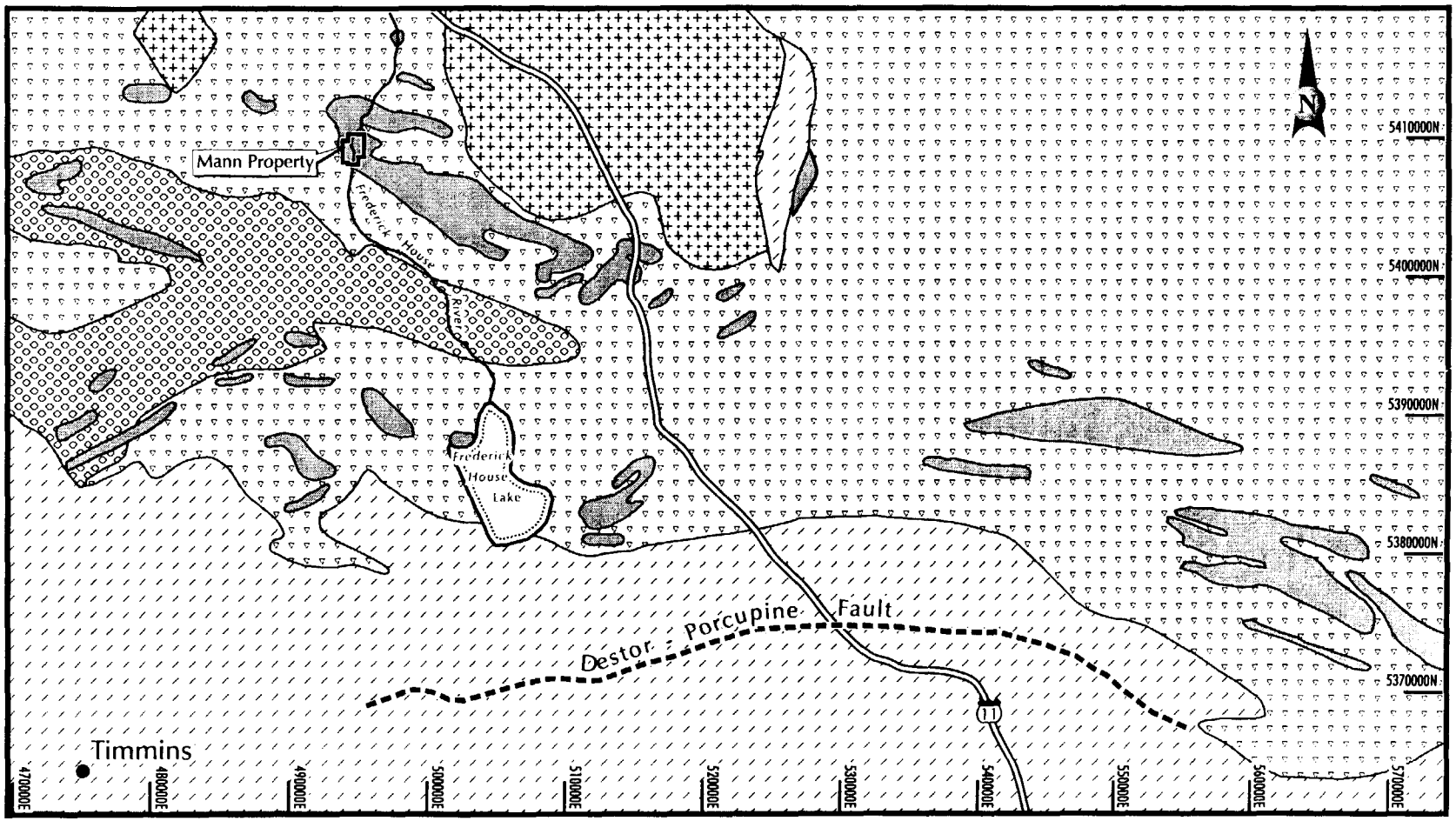
The Mann Project is situated within the Mann intrusive complex of the Abitibi subprovince. It is located at the northwestern end of the belt of ultramafic/mafic intrusive and extrusive rocks included in the Stoughton-Roquemaure assemblage, as recognized by Jackson and Fyon (1991). The geology of Mann Township was mapped by Satterly (1959), and Hunt and Richard (1980), and included in the regional studies of Jensen and Langford (1985).

The Mann intrusive complex is very large, with a strike length greater than 40 km and a thickness greater than 1.5 km (Fig 3). The complex occurs approximately 28 km northeast of the Kidd Creek massive sulphide deposit, within the northwestern end of a belt of unltramafic/mafic intrusive and extrusive rocks included in the Kidd-Munro and Stoughton-Roquemaure assemblages. In addition to ultramafic and mafic intrusions, the major lithologies in the area are predominantly northwestly striking mafic metavolcanics accompanied by minor intermediate metavolcanics and interflow sediments (Fig 4). The Mann complex is folded along a west to northwest trending fold axis. The metamorphic grade is mid-greenschist facies.

Property Geology

The property geology is based upon work by government agencies, work in the area by previous operators, and a research paper by Good, Crocket, and Barnet (1997). Regional mapping and limited diamond drilling on the project indicates the presence of the ultramafic intrusion. Diamond drilling to the north of the project area has intersected anomalous Ni-Cu mineralization in ultramafic flows, intrusions and sediments.

Details of the size and composition of the Mann intrusive complex are poorly understood due to limited outcrop and structural complexity. Three major rock types have been documented on the Mann property: peridotite, clinopyroxenite, and gabbro (Fig 5).



0 5 10 20
kilometres

LEGEND

ARCHEAN ROCKS

- Granitoids
- Turbidite Sequences
- Felsic Metavolcanics
- Mafic Metavolcanics
- Untramafic to Gabbroic Intrusives

BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.

Mann Property

Porcupine M.D., Ontario, Canada

Regional Geology

Scale: as shown	Coords: UTM zone 17	Figure 3
Date: August, 2001	By: d.s.d./a.g.b.	

Peridotite

The peridotite is predominately wehrlite with minor serpentinite. The wehrlite is hetradcumulate and consists of medium-grained subrounded olivine and interstital subophitic clinopyroxene (augite), subhedral chromite and minor anhedral orthopyroxene. Serpentinite occurs locally and consists of >95% serpentine abd 1-5% fine grained magnetite.

Clinopyroxenite

Based upon limited outcrop exposure and one diamond drill hole intersection, the clinopyroxenite member in the mapped section is between 14 and 30 m thick with a strike length of 500 m, south-southeast. The clinopyroxenite is an adcumulate composed of >90% clinopyroxene (augite).

Gabbro

The gabbro unit is medium grained and consists of approximately equal portions of subhedral plagioclase and anhedral clinopyroxene, along with minor amounts of orthopyroxene, quartz, epidote and magnetite.

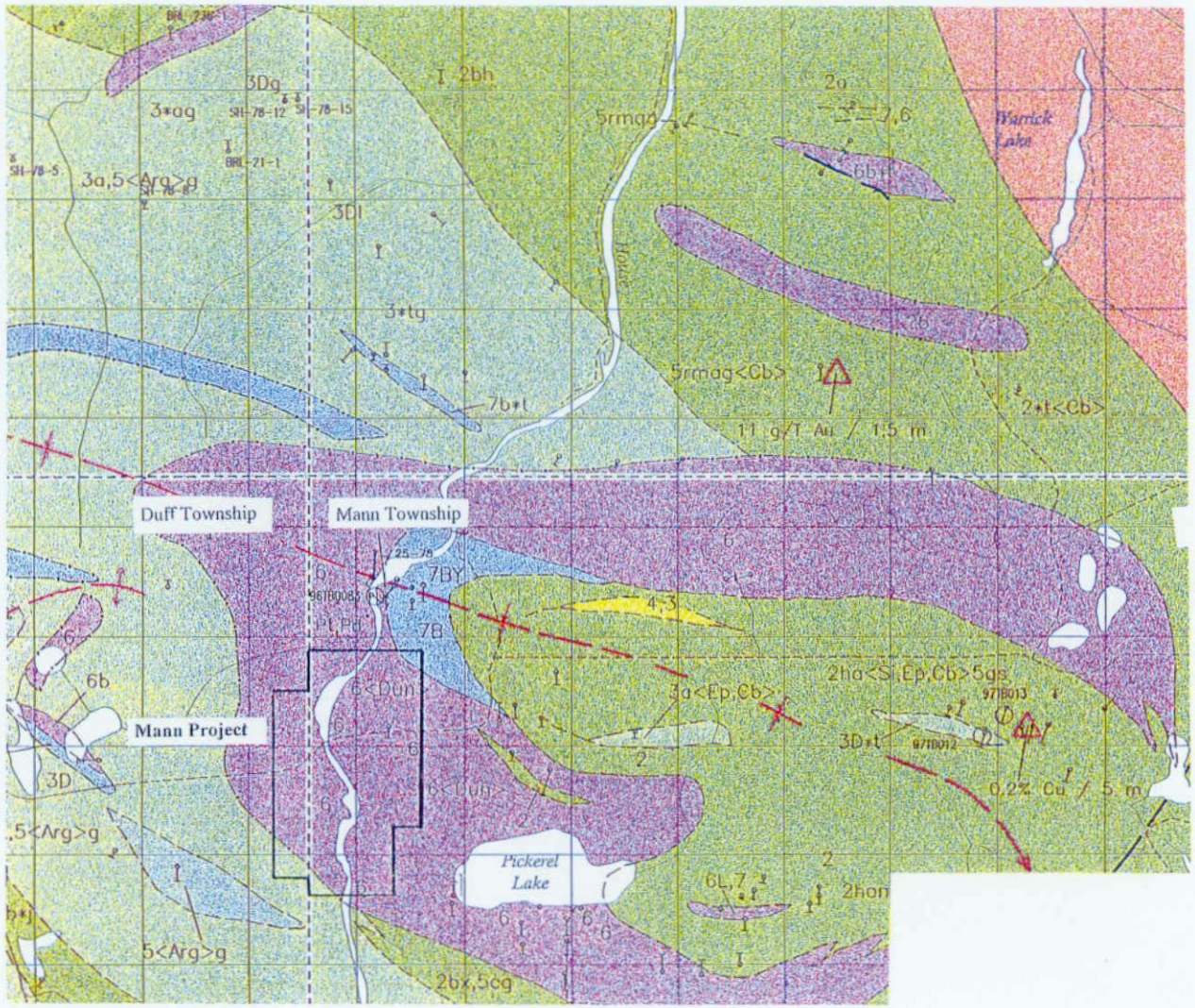
Research by Good, Crocket and Barnet on the central portion of the Mann Project concluded that "Clinopyroxenite in the mafic-ultramafic complex in Mann township apparently crystallized from magma similar to that which formed the sulphide bearing komattiite at the Ni-Cu Alexo Deposit". This research indicated that exploration potential exists for the development of Ni-Cu sulphide mineralization in the Mann Complex, specifically on the Mann Property. PGE mineralization identified on the Mann Project is hosted within ultramafic rocks including clinopyroxenite and peridotite. The PGE mineralization is not associated with zones of heavy sulphide mineralization, as observed at other PGE showings and deposits. The apparent controls on the transport and deposition of PGE are similar to those of other PGE deposits of hydrothermal origin, such as the platiniferous pipes of the Bushveld Complex.

Mineral Exploration History

The Mann Project has received limited exploration for a variety of commodities over the past twenty years. Past work on the property has included government mapping and airborne geophysical surveys. Assessment work filed by previous operators on the property is limited. A summary of previous work programs is included below.

Holmer Gold Mines (1973)

In 1973, Holmer Gold Mines completed vertical electromagnetic (VEM) surveys and completed one diamond drill hole to test one of the EM anomalies. The drill hold intersected peridotite, pyroxenite and ultramafic porphyry. A summary of the hole is included in Table 3. Mineralization to account for the VEM anomaly was not encountered in the drill hole. Follow up work on the unexplained VEM anomaly and on the property was not reported.



MAJOR ROCK DIVISIONS

14	HURONIAN SUPERGROUP
13	METAMORPHIC (Unknown)
12	GNEISS
11	SCHIST
10	DIABASE
9	FELSIC INTRUSIVE ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS
7	MAFIC INTRUSIVE ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS
5	SEDIMENTARY ROCKS
4	FELSIC VOLCANIC ROCKS
3	INTERMEDIATE VOLCANIC ROCKS
2	MAFIC VOLCANIC ROCKS

BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.

Mann Property

Porcupine M.D., Ontario, Canada

Property Geology

Scale: as shown	Coords		Figure:
Date: August, 2001	By: d.s.d./a.g.b.		4

Table 3 – Holmer Gold Mines DDH 73-6

From – To (feet)	Rock Type
0 – 40 ft	Casing
40 – 368.5	Peridotite
368.5 – 379.5	Ultramafic Porphyry
379.5 – 393.5	Peridotite
393.5 – 420	Ultramafic Pyroxenite
420 – 499	Ultramafic Porphyry
499 – 550 (E.O.H.)	Peridotite

Ontario Geological Survey 1980

In 1980 the Ontario Geological Survey (O.G.S.) published a preliminary map (P755) of Mann Township. The preliminary map was a compilation of past work on the property and geology of the Township. The past work included VEM anomalies and the drill hole location of work completed by Holmer Gold Mines.

Ontario Geological Survey 1988

In 1988 the O.G.S. completed an airborne geophysical survey over the Timmins area, which included Mann and Duff Townships. The survey delineated the Mann Complex as a strong positive magnetic feature that extends for approximately 40 km of strike length . A number of EM anomalies were identified on the Mann Project claims.

Leonard Hill (1990)

In 1990, Leonard Hill staked the Mann Project claims and over the next eight years prospected and completed a total of seven diamond drill holes (788 m total drilling), on the property. The diamond drilling was located along several locations along the Frederick House River. The purpose of the drilling was to evaluate the platinum group element and diamond potential of the property. Mr. Hill reported intersecting a single diamond in drill core, and has panned several diamonds from the river. A total of eighteen samples were assayed for Ni, Cu, Au and PGE mineralization. One core sample returned 522 ppb PGE and AU over 0.91 m. Sampling was not completed above or below this sample.

Dave Good (1994)

In 1994, during a period of time while Leonard Hill was actively working on the Mann Project, D. Good completed a research program on the Mann Complex, which included detailed mapping and sampling of outcrop on the Mann Project. In addition drill core from one of the Leonard Hill drill holes (91 – 1) was studied and sampled. Assay results from outcrop

and drill core returned highly anomalous PGE and gold results. Assay results from this work are included in Table 4, with channel sample locations on Figure 5.

Table 4 – Mann Project Channel Sample Assays

Channel A – B		**Sum PGE**
Sample #	**Location**	**PGE + Au**
1	12.2	473.16
2	8.4	389.14
3	3.8	352.25
4	3.2	389.03
5	2.9	759.65
65	2.74	676.76
6	2.44	958.00
7	1.83	707.00
8	1.52	984.29
62	1.37	992.77
9	0.91	1240.00
61	0.61	3205.54
		Average 654 ppb /12.20 m

Channel C – D		**Sum PGE**
Sample #	**Location**	**PGE + Au**
17	14	977.50
18	13.4	735.60
19	12.8	417.55
20	11.9	460.07
24	10.1	392.24
25	9.4	774.98
26	9.1	743.42
27	8.7	899.91
28	7.9	973.23
29	4.9	279.72
30	2.74	259.46
31	0.3	390.28
		Average 574 ppb /14.00 m

Table 4 cont'd – Mann Project Channel Sample Assays

Channel E – F Sample #	Location	Sum PGE PGE + Au
38	1	515.93
39	2	513.02
40	3	605.03
41	4	620.21
42	5	539.91
43	6	280.78
44	7	346.50
45	8	632.86
46	9	727.22
47	10	249.00
48	11	242.04
49	12	470.92
50	13	558.55
51	14	600.59
52	15	787.23
53	16	972.56
54	17	987.09
55	18	1096.11
56	19	923.54
57	20	798.33
58	21	330.70
59	22	264.02
		Average 594 ppb /22.00 m

Leonard Hill OPAP (1998 – 1999)

In 1998 Len Hill applied for and received an OPAP grant ($10,000), from the Ontario Ministry of Northern Development and Mines. A total of 10.225 km of linecutting was completed at 100 metre spaced lines with picket stations established every 25 metres. Prospecting and mapping was completed however proved to be of limited effectiveness with outcrop exposure of<1%. The best exposure of bedrock is situated along the Frederick House River at the bridge crossing. The continuous outcrop exposure consists of peridotite, dunite, pryroxenite and gabbro.

A total 9.225 km of HLEM surveys were completed, with 100m length cable and 25m spaced stations. The survey was intended to locate a number of airborne EM anomalies. The HLEM survey identified a significant EM anomaly on the central portion of the grid from L 15+00E / 13 +00N to L 19 +00E / 11 + 75N. The EM anomaly is located coincident with a strong airborne EM anomaly.

A total of 10.225 km of magnetometer surveys were completed, with readings taken at 25 m spaced stations. The survey identified a significant magnetic high horizon, coincident with the HLEM anomaly. Adjacent to mag high feature is a strong magnetic low, which extends for approximately 300 m. A soil survey was planned but due to the extensive clay cover was not completed.

Leonard Hill OPAP (1999-2000)

In 1999 Leonard Hill applied for and received an OPAP grant ($15,000), from the Ontario Ministry of Northern Development and Mines. Work was extended to the portion of the property not covered by the 1998-1999 OPAP program. A total of 9 km of linecutting was completed at 100 m spaced lines with picket stations established every 25 m. A total 6.275 km of HLEM surveys (177 Hz, 444 Hz) were completed, with a 100 m length cable and 25 m spaced stations. The survey was intended to locate a number of airborne EM anomalies. The HLEM survey identified a significant EM anomaly at L 10+00E / 6+25 N extending to L 6+00 E / 9+25 N. The EM anomaly is located along the flank of a moderate to strong magnetic feature. Several weaker single line anomalies were also identified.

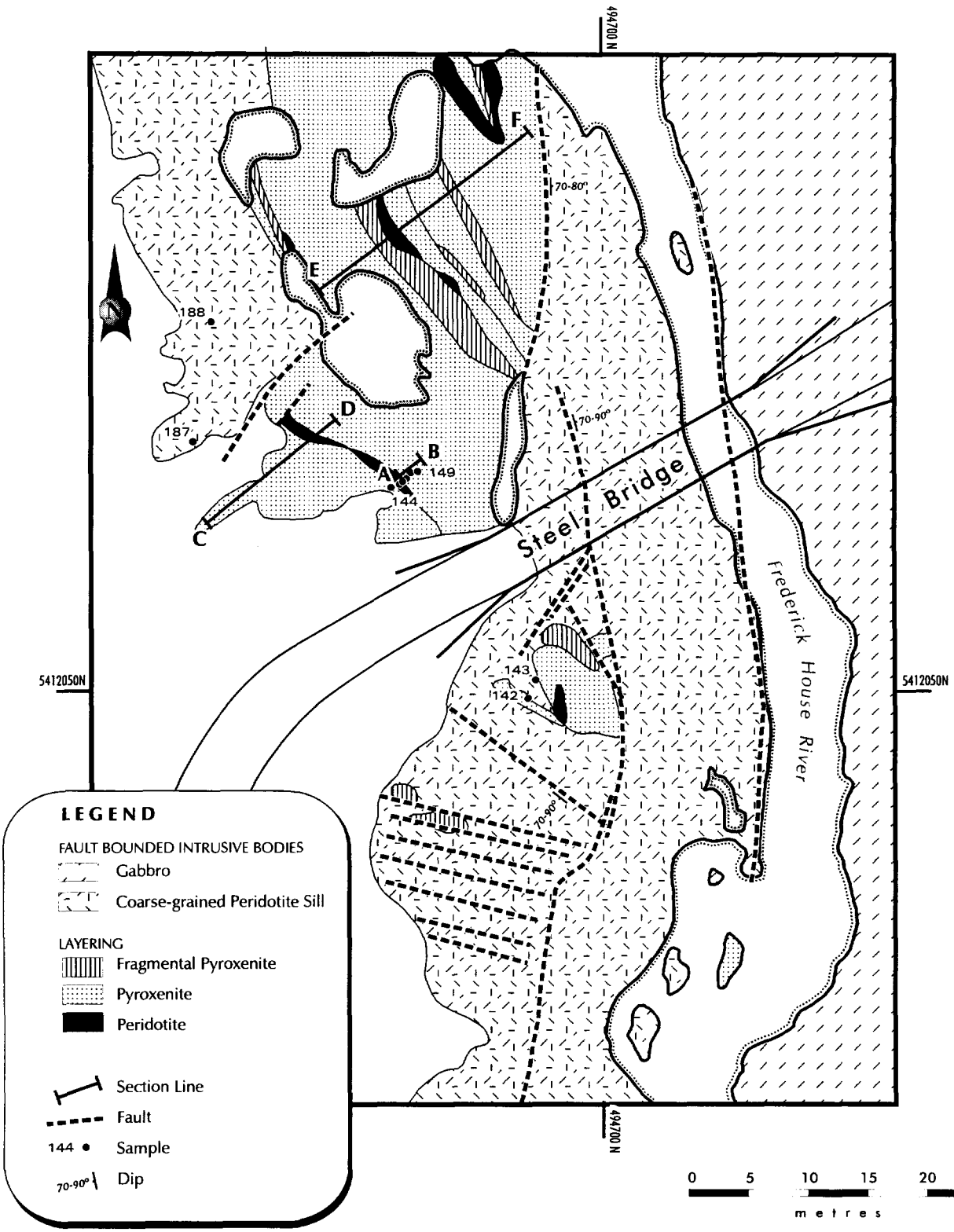
A total of 8.15 km of magnetometer surveys were completed, with readings taken at 25 m spaced stations. The survey identified a significant magnetic high horizon, extending from L 6+00 E through to L 13+00 E in the northern portion of the grid.

A single line IP survey was completed on the southern portion of L 17+00 E, to cover a HLEM/Mag anomaly identified in the 1998 – 1999 OPAP program. The survey identified two zones of chargeability proximal to the axis of an HLEM anomaly. The first anomaly is centered at L 17+00 E / 12+50 N and consists of a moderate chargeability. The second anomaly is centered at L 17+00 E /11+25 N, and consists of a strong chargeability with low resistivity. Interpretation suggests this anomaly is a conductive horizon.

A single diamond drill hole MAN-01 (200.25 m) was completed to test the two chargeability zones identified in the IP survey. Massive cumulate textured peridotite, with two narrow sections of leucogabbro was intersected. Although zones of heavy sulphides were not encountered, fine disseminated sulphides were encountered throughout the hole. Re-interpretation of the geophysics in conjunction with the drilling indicates that the dip may be near vertical, and that the hole did not reach the geophysical target. The hole was not completed due to lack of funds. A log of MAN-01 is included in Appendix B.

March to May 2001 Geological and Geophysical Programs

A program of geological mapping along the Frederick House River(Fig 5) and relogging and sampling of nine historic diamond drill holes(Appendix B) was carried out by T. Keast between March and May 2001. In conjunction with this work, geophysical surveys were carried out by Geoserve Canada under the direction of R.J. Daigle(See accompanying report). 14.8 km of lines were cut at 100 metre intervals and chained and picketed at 25 metre intervals. A total field magnetic survey was carried out over these lines. This survey was compiled with previous



LEGEND

FAULT BOUNDED INTRUSIVE BODIES
- Gabbro
- Coarse-grained Peridotite Sill

LAYERING
- Fragmental Pyroxenite
- Pyroxenite
- Peridotite

- Section Line
- Fault
- 144 • Sample
- 70-90° Dip

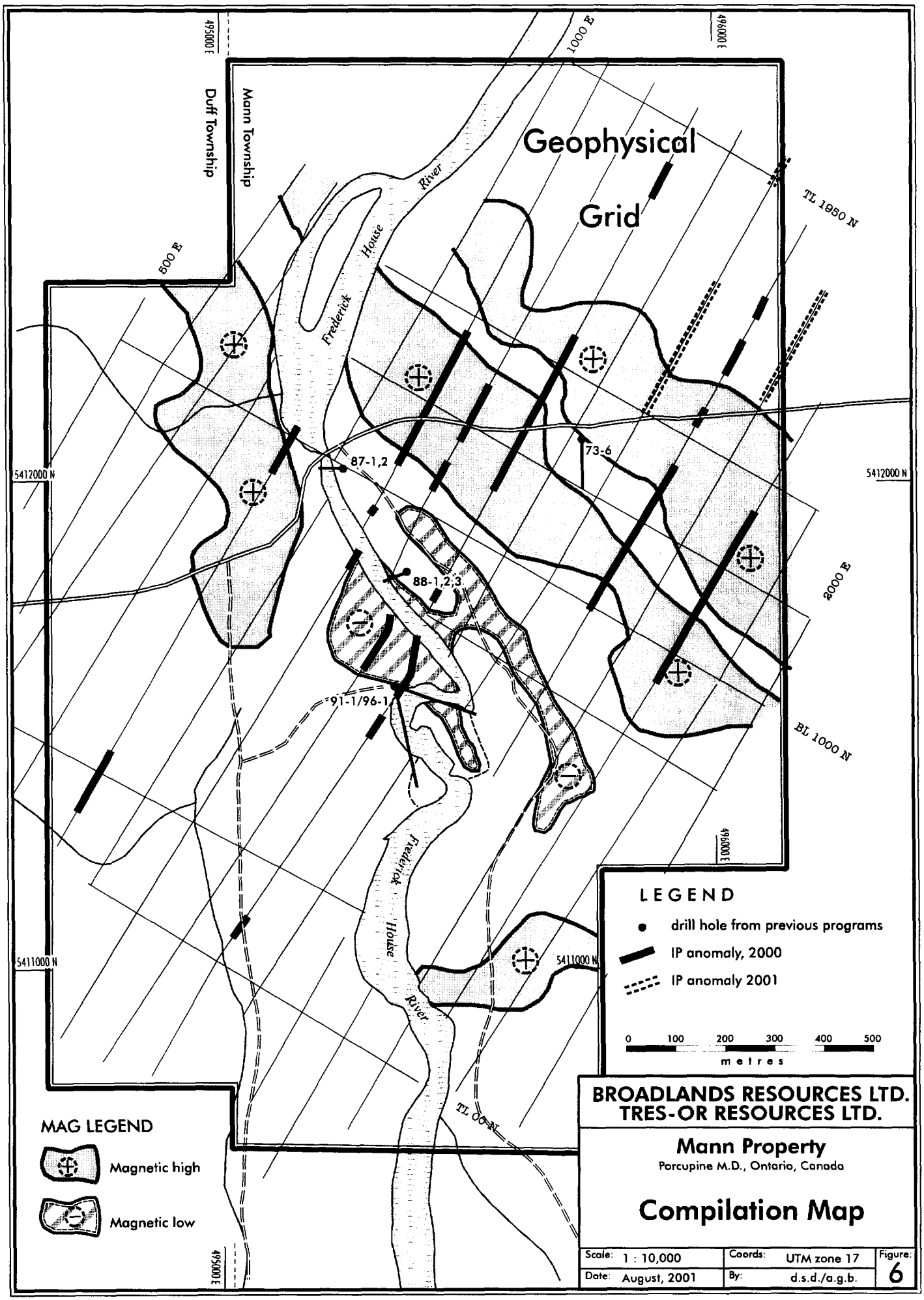
BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.

Mann Property

Porcupine M.D., Ontario, Canada

Detailed Geology along Frederick House River

Scale: 1 : 500	Coords: UTM zone 17	Figure: 5
Date: August, 2001	By: d.s.d./a.g.b.	


Geophysical
Grid
Duff Township
Mann Township
Frederick House River
600 E
1000 E
2000 E
TL 1950 N
BL 1000 N
TL 0+00
87-1,2
88-1,2,3
73-6
91-1/96-1
5412000 N
5411000 N
495000 E
496000 E
LEGEND
drill hole from previous programs
IP anomaly, 2000
IP anomaly 2001
0 100 200 300 400 500
metres
MAG LEGEND
Magnetic high
Magnetic low
BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.
Mann Property
Porcupine M.D., Ontario, Canada
Compilation Map
Scale: 1 : 10,000
Coords: UTM zone 17
Figure: 6
Date: August, 2001
By: d.s.d./a.g.b.

between March and May 2001. In conjunction with this work, geophysical surveys were carried out by Geoserve Canada under the direction of R.J. Daigle(See accompanying report). 14.8 km of lines were cut at 100 metre intervals and chained and picketed at 25 metre intervals. A total field magnetic survey was carried out over these lines. This survey was compiled with previous surveys to produce a map showing ground magnetic coverage for the whole property. A Time Domain IP was completed over 7.5 km. in the central part of the property.

The geological and geophysical programs defined targets of possible PGM enrichment in two main areas of the property. The original showing immediately north of the west end of the bridge across the Frederick House River was mapped in better detail. This area is a magnetic low, possibly due to hydrothermal activity causing destruction of magnetite. Another area of magnetic lows with coincident IP chargeability highs was outlined on lines 1300 and 1400 East immediately west of the Frederick House River. These anomalies could be the result of hydrothermal activity and sulphide emplacement.

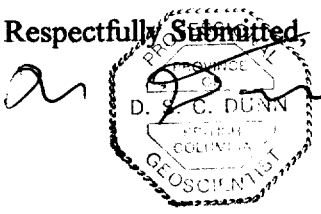
Conclusions

The Mann Project, which consists of 19 claims covering 304 ha, is situated within Mann Township and Duff Township of the Porcupine Mining Division.The claims are situated within the Mann intrusive complex, a large, layered ultramafic intrusion, which extends for 40 km of strike length with a width greater than 1.5 km. Recent studies of the complex have indicated a chemistry similar to that of the ultramafic rocks which host the Alexo Ni-Cu sulphide deposit. In addition these same studies have identified significant anomalous PGE over considerable widths in outcrop channel samples and in diamond drill core. This PGE mineralization represents a new exploration target for the complex. An interesting feature of the Mann Complex, in particular the Mann Project, is the PGE are concentrated in a clinopyroxenite unit and are distinguished by only trace sulphides. The clinopyroxene unit is a medium grained adcumulate, between 14 – 30 m thick and >500 m in length. Mineralization is characterized by: a) Pt+ Pd up to 1.1 gm/t with local high Pt/Pd ratios, b) low sulphide content (<0.1% wt.% S), c) low Ni, Cu and Co, and d) PGE minerals intimately associated with chlorite+secondary clinopyroxenite+-spinel alteration of hydrothermal origin. According to Good (1999), "the close association of hydrothermal clinopyroxene, chlorite, and sulphides plus platinum-group minerals implies a hydrothermal origin for the PGE mineralization. The apparent controls on the transport and deposition of PGE are similar to those of other PGE deposits of hydrothermal origin, such as the platiniferous pipes of the Bushveld Complex."

Recommendations

A diamond drilling program of at least 1000metres is recommended to test existing known targets from past geophysical surveys, extend DDH MAN-01 an additional 75 m, and test targets identified by the work reported on here. This program is estimated to cost $85,000 and take 16 days to complete.

Respectfully Submitted,



References

Barrie, C.T., Corfu, F., Davis, P., MacEachern, D., and Coutts, A., 2001. Geochemistry and genesis of Komatiite-basalt hosted magmatic sulphide Mineralization, Dundonald Township, Kidd/Munro assemblage, Abitibi subprovince. Canada; Economic Geology, v. 94.

Barrie, C.T., 1999a. Geology of the Mann area; Ontario Geological Survey, Preliminary Map P.3391, scale 1:50,000.

Daigle, R.J., 2001. Report of Work (Line Cutting, TFM & IP Surveys)

Eckstrand, O.R., 1996. Magmatic Nickel-Copper-Platinum group elements; in Geology of Canadian Mineral Deposit Types, G.S.C., Geology of Canada, no. 8, p. 583.

Good, D., and Crocket, J. Platinum group enrichment in the Mann Township mafic/ultramafic intrusion, Mann Township, Ontario; Economic Geology Monograph 10.

Good, D., and Crocket, J., and Barnet, R.L. A secondary clinopyroxenite-chlorite-spinel assemblage in clinopyroxenite of the Mann Complex, Abitibi Belt, Ontario; an unusual hydrothermal alteration suite mafic/ultramafic intrusion, Mann Township, Ontario: Economic Geology Monograph 10.

Hunt, D.S., and Richard, J.A., Mann Township, District of Cochrane; Ontario Geological Survey Preliminary Map P. 755. Scale 1:15,840.

Keast, T., 2000. Geological Report on the Mann Project for Tres-Or Resources Ltd.

Ontario Geological Survey, 1988. Airborne electromagnetic and total intensity magnetic survey, Timmins Area, Mann and Duff Townships O.G.S. Map 81049, 81048.

Pyke, D.R., 1982. Geology of the Timmins Area, District of Cochrane; Ontario Geological Survey. GR 219, 141p.

Appendix A

Claim Abstract Summaries

Mining Lands - Mining Claims Client Report

Porcupine - Division 60

CLIENT: 144430 - HILL, LEONARD EDWARD

CLIENT: 144430 - HILL, LEONARD EDWARD

CLIENT: 144430 - HILL, LEONARD EDWARD

CLIENT: 144430 - HILL, LEONARD EDWARD

TOWNSHIP / AREA	Claim Number	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
DUFF	P 1154619	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
DUFF	P 1154619	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
DUFF	P 1154620	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
DUFF	P 1154620	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
DUFF	P 1154621	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	88	0
DUFF	P 1154621	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	88	0
DUFF	P 1154622	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
DUFF	P 1154622	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
MANN	P 1154611	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	39	0
MANN	P 1154611	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	39	0
MANN	P 1154628	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1154628	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1154629	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1154629	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1190501	1992-JUL-28	2003-JUL-28	A	100.00 %	400	3600	0	0

MANN	P 1154612	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154612	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154613	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	215	0
MANN	P 1154613	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	215	0
MANN	P 1154614	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
MANN	P 1154614	1990-JUL-19	2002-JUL-19	A	100.00 %	400	4000	0	0
MANN	P 1154615	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154615	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154616	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154616	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154617	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154617	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154618	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154618	1990-JUL-19	2003-JUL-19	A	100.00 %	400	4400	0	0
MANN	P 1154624	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1154624	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1154625	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	258	0
MANN	P 1154625	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	258	0
MANN	P 1154626	1990-SEP-20	2003-SEP-20	A	100.00 %	400	4400	1282	0
MANN	P 1154626	1990-SEP-20	2003-SEP-20	A	100.00 %	400	4400	1282	0
MANN	P 1154627	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0
MANN	P 1154627	1990-SEP-20	2002-SEP-20	A	100.00 %	400	4000	0	0

Appendix B

Drill Logs

DRILL HOLE RECORD

Northing: 1290
Easting: 1375
Elevation: 1000

Collar Azi.: 180
Collar Dip: -50

Hole Length: 167.60

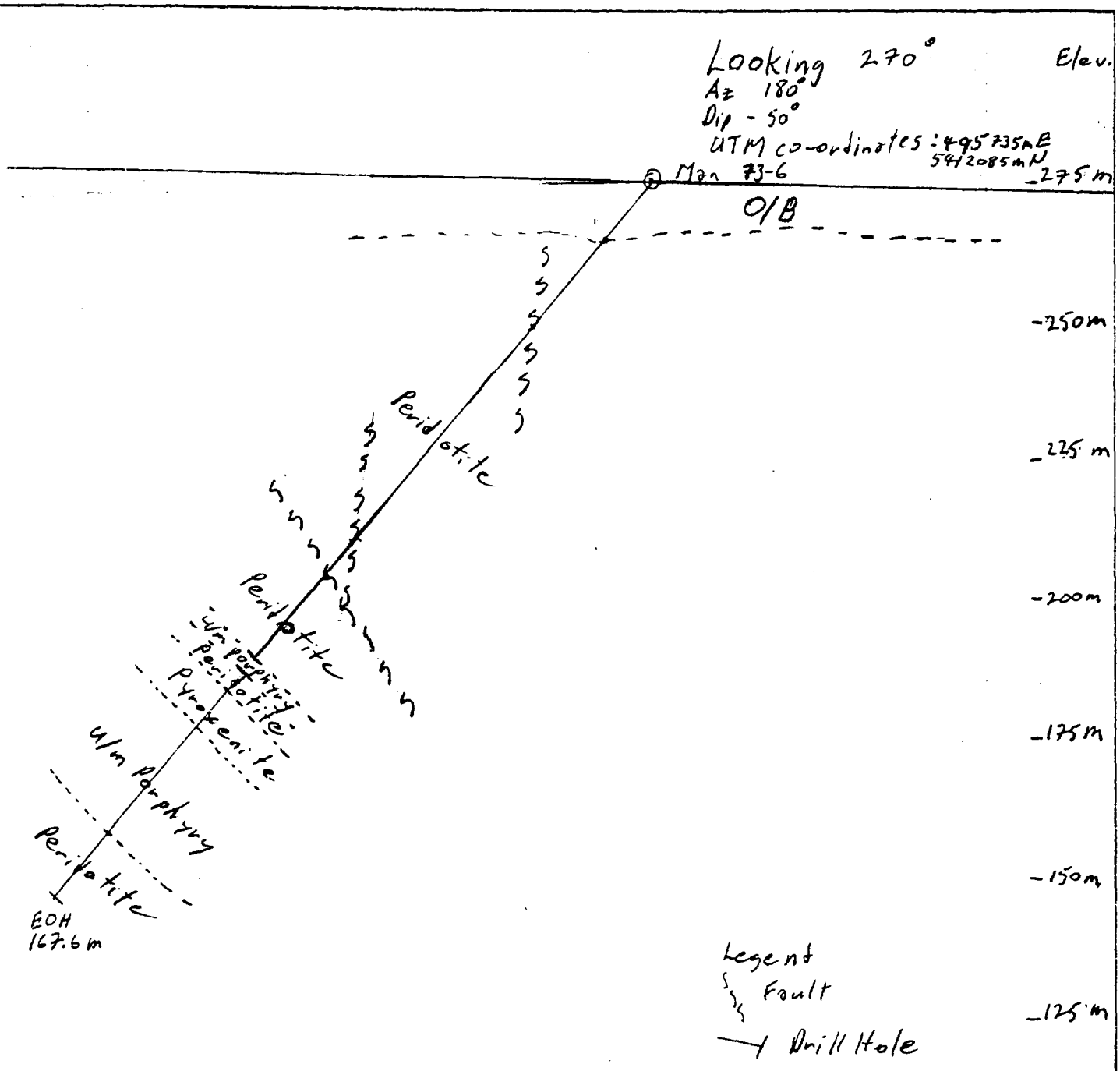
Logged by: Unknown

Drill Hole: MAN-73-6

Easting: L 1375 E
Northing: 12+90 N
Property: Mann Project
Claim: 1154615
Drilled by: Bradley Bros.
Core Size: BQ
Date Started: Aug 18,1973
Completed: Aug 21,1973

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	12.19	CASING									
12.19	112.32	PERIDOTITE Diorite? Dark brown granular, medium grained, few serpentine slips, some asbestos mainly as slip fibre, occasional cross fibre up to 2mm. 34.13 Serpentine fault 20 deg to CA with magnetite and asbestos. 84.43 Serpentine fault 20 deg to CA, with magnetite. 92.51 1/4 inch cross fibre @70 deg to CA. 92.66 Serpentine slip with some asbestos and peculiar bronze-red mineral with white streak, mica?.									
112.32	115.52	ULTRAMAFIC PORPHYRY Dark clots of serpentine in light green matrix of pyroxene.									
115.52	119.94	PERIDOTITE Diorite? as above.									
119.94	128.02	PYROXENITE Light green coarse grained fairly soft.									
128.02	152.10	ULTRAMAFIC PORPHYRY As above.									

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
		140.67 142.34 Green mariposite in white serpentine.									
		143.26 144.02 Mariposite in white serpentine.									
		148.44 149.66 Mariposite in white serpentine.									
		149.96 152.09 Mariposite in white serpentine.									
152.10	167.60	PERIDOTITE									
		Diorite? as above.									
		E.O.H.									
		Unknown if casing removed.									



Broadlands Resources Ltd. Tres-Or Resources Ltd
Mann Property Cochrane Mining Division Ont, Canada X-Section Man 73-6 Claim 1154615 Scale 1:1,000

Tres-Or Resources Ltd. / Broadlands Resources, Ltd.

DRILL HOLE RECORD

Northing: 1000
Easting: 990
Elevation: 1000

Collar Azi.: 270
Collar Dip: -65

Hole Length: 41.15

Logged by: L.Hill / T.Keast

Drill Hole: MAN-87-1

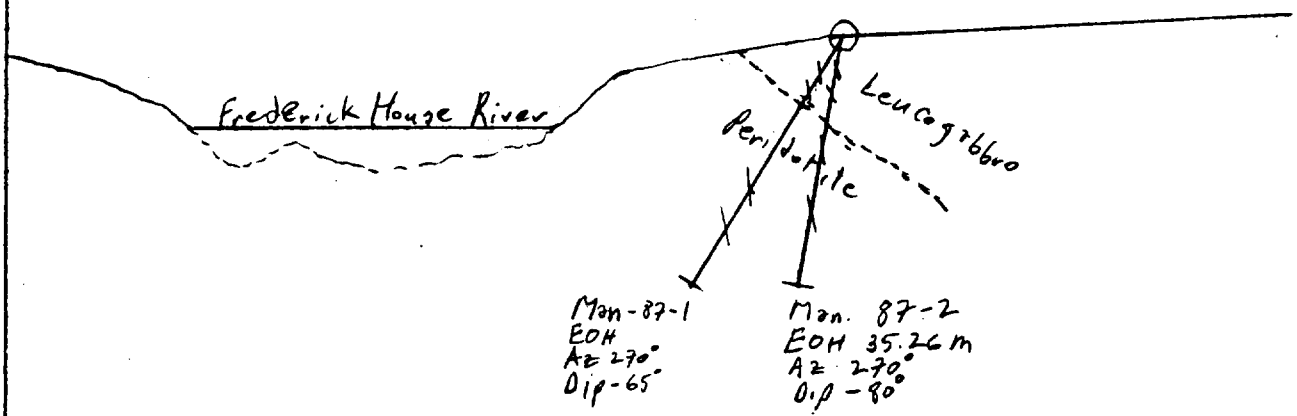
Easting: L 9+90 E
Northing: 10+00 N
Property: Mann Project
Claim: 1154611
Drilled by: Hillex
Core Size: AQ
Date Started: Jun 1, 1987
Completed: Jun 18, 1987

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	9.74	LEUCOGABBRO									
		Light grey to white in color with 5-10% dark grey 5mm feldspar phenocrysts. Medium grained, massive crystalline texture throughout. 1-3% white qtz-feld veins 10-30 deg to C.A.	12362	5.48	6.10	.62	0	0	0	2	0
		Hardness H 5, Magnetic Susceptibility MS 0.13.									
9.74	41.15	PERIDOTITE									
		Dark black fine grained broken blocky core. Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive non-foliated peridotite. Sharp upper contact 60 deg to CA. 3-5% qtz carb veins 35 deg to CA.									
		Hardness H 4-5, Magnetic Susceptibility MS variable 3.0-11.50.									
		E.O.H.									
		Casing Left in hole.									
		Core Stored with Len Hill, South Porcupine.									

Looking 0°

UTM co-ordinates: 495250 mE
5412030 mN

Elev.



260m
250m
225m
200m
175m
150m
125m

Legend

↘ Drill Hole

\ qtz-carb stringers

Broadlands Resources Ltd. Tres-Or Resources Ltd.
Mann Property Cochrane M.D. Ont. Canada X-Section. Man-87-1,2 Claim 1154612 Scale 1:1,000

DRILL HOLE RECORD

Northing: 1000
Easting: 990
Elevation: 1000

Collar Azi.: 270
Collar Dip: -80

Hole Length: 35.36

Logged by: L. Hill / T. Keast

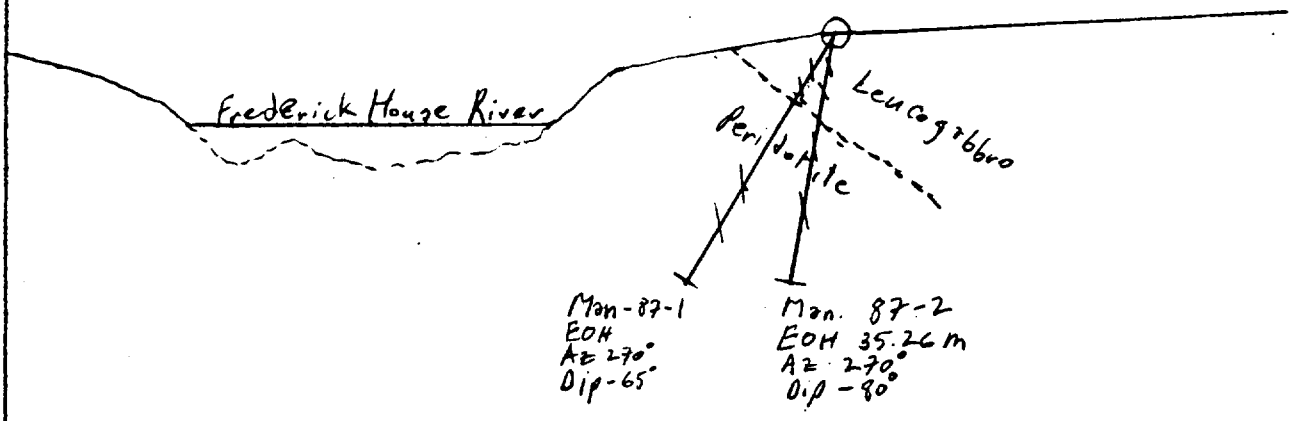
Drill Hole: MAN-87-2

Easting: L 9+90 E
Northing: 10+00 N
Property: Mann Project
Claim: 1154611
Drilled by: Hillex
Core Size: AQ
Date Started: Jun 20, 1987
Completed: Jun 30, 1987

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	11.58	LEUCOGABBRO Light grey to white in color with 5-10% dark grey 5mm feldspar phenocrysts. Medium grained, massive crystalline texture throughout. 1-3% white qtz-feld veins 10-30 deg to C.A. Hardness H 5, Magnetic Susceptibility MS 0.15. Digital Picture of this unit.									
11.58	35.36	PERIDOTITE Dark black fine grained broken blocky core. Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive non-foliated peridotite. Sharp upper contact 30 deg to CA. 3-5% qtz carb veins 20 deg to CA. Hardness H 4-5, Magnetic Susceptibility MS variable 0.50 at top increasing to 30.0. E.O.H. Casing left in hole. Core Stored with Len Hill, South Porcupine.									

Looking 0°

UTM co-ordinates: 495250 mE
5412030 mN



Legend

↘ Drill Hole

\ qtz-carb stringers

Broadlands Resources Ltd. Tres-Or Resources Ltd.
Mann Property Cochrane M.D. Ont. Canada X-Section Man-87-1,2 Claim 1154612 Scale 1:1,000

DRILL HOLE RECORD

Northing: 900
Easting: 1190
Elevation: 1000

Collar Azi.: 235
Collar Dip: -50

Hole Length: 64.00

Logged by: L.Hill

Drill Hole: MAN-88-1

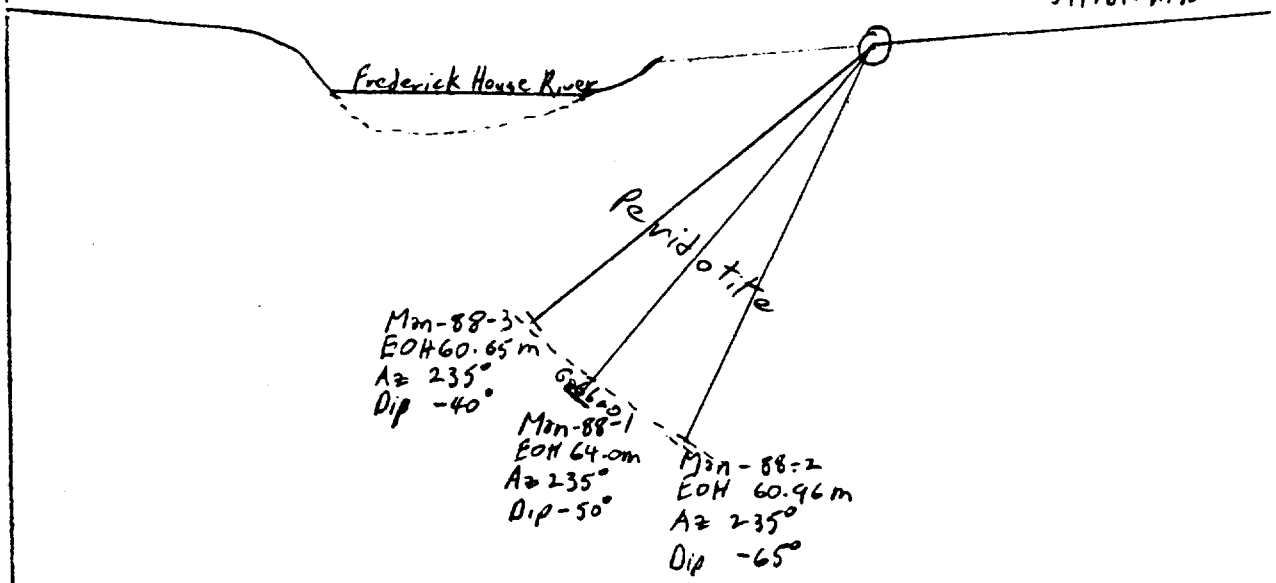
Easting: L 11+90 E
Northing: 9+00 N
Property: Mann Project
Claim: 1154612
Drilled by: Hillex
Core Size: AQ
Date Started: Jun 18, 1988
Completed: Jul 9, 1988

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	61.56	PERIDOTITE Greenish grey to black, coarse olivine, pyroxene, massive, minor graphite.									
61.56	64.00	GABBRO Greenish coarse grained. E.O.H. Casing left in hole. Core telescoped, stored at core library, Timmins.									

Looking 325°

Elev

UTM co-ordinates: 495380m E
5411810m N



-255m

-225m

-200m

-175m

-150m

-125m

Legend

✓ Drill Hole

Broadlands Resources Ltd. Tres-Or Resources Ltd.
Mann Property Cochrane N.D., Ont., Canada X-Section Man-88-1,2,3 Claim 1154612 Scale 1:1,000

DRILL HOLE RECORD

Northing: 900
Easting: 1340
Elevation: 1000

Collar Azi.: 235
Collar Dip: -65

Hole Length: 60.96

Logged by: L. Hill

Drill Hole: MAN-88-2

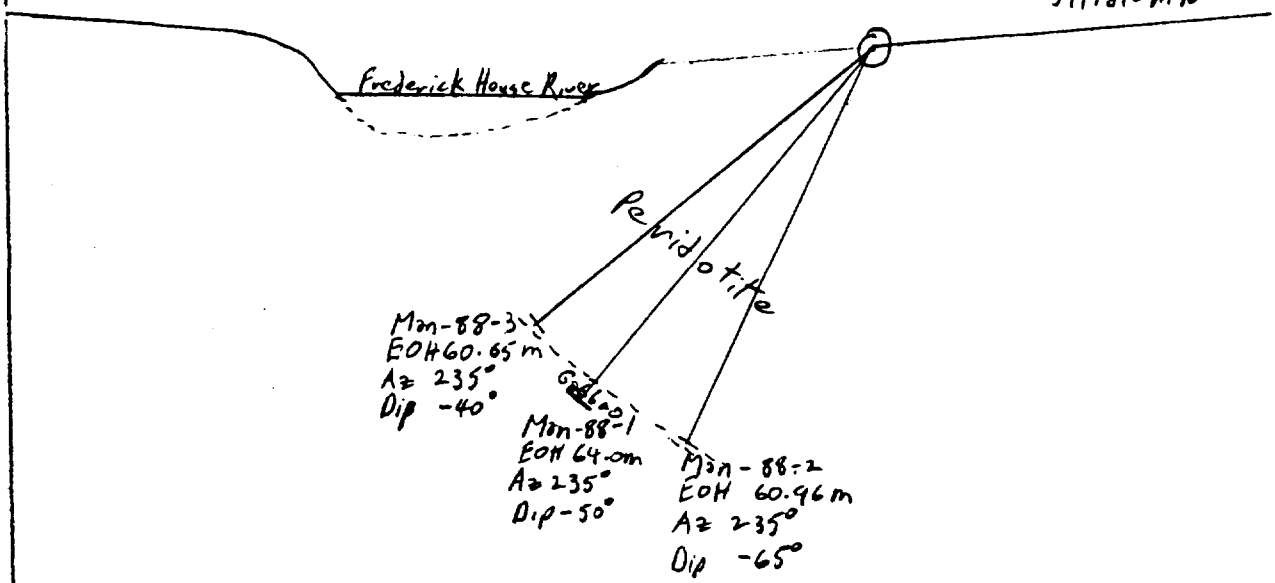
Easting: L 11+90 E
Northing: 9+00 N
Property: Mann Project
Claim: 1154612
Drilled by: Hillex
Core Size: AQ
Date Started: Jul 10, 1988
Completed: Jul 20, 1988

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	60.96	PERIDOTITE Dark greenish greyish black, coarse massive olivine, pyroxene, minor graphite. E.O.H. Casing left in hole. Core telescoped, stored at core library, Timmins.									

Looking 325°

Elev

UTM co-ordinates: 495380m E
5411810m N



-255m

-225m

-200m

-175m

-150m

-125m

Legend

✓ Drill Hole

Broadlands Resources Ltd. Tres-Or Resources Ltd.
Mann Property Cochrane M.D., Ont., Canada X-Section Man-88-1,2,3 Claim 1154612 Scale 1:1,000

Tres-Or Resources Ltd. / Broadlands Resources, Ltd.

DRILL HOLE RECORD

Northing: 900
Easting: 1190
Elevation: 1000

Collar Azi.: 235
Collar Dip: -40

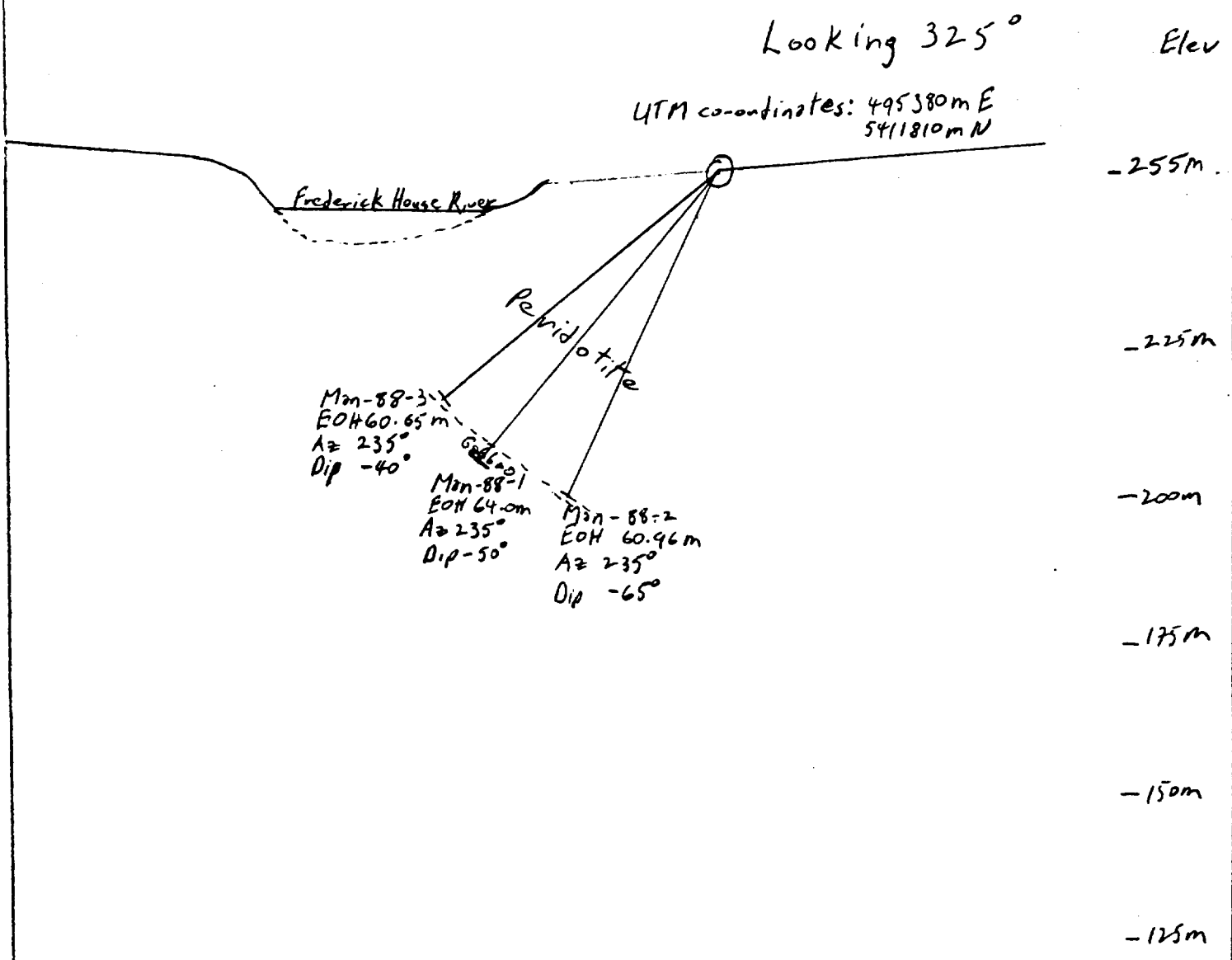
Hole Length: 60.65

Logged by: L. Hill

Drill Hole: MAN-88-3

Easting: L 11+90 E
Northing: 9+00 N
Property: Mann Project
Claim: 1154612
Drilled by: Hillex
Core Size: AQ
Date Started: Jul 23, 1988
Completed: Jul 31, 1988

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	60.65	PERIDOTITE Dark greenish greyish black, coarse massive olivine, pyroxene, minor graphite. Altered colour with fine graphite seams giving it a sort of wavy banded look. E.O.H. Casing left in hole. Core telescoped, stored at core library, Timmins.									



Legend

Drill Hole

Broadlands Resources Ltd. Tres-Or Resources Ltd.
Mann Property Cochrane M.D., Ont., Canada X-Section Mann-88-1,2,3 Claim 1154612 Scale 1:1,000

DRILL HOLE RECORD

Northing: 655
Easting: 1340
Elevation: 1000

Collar Azi.: 120
Collar Dip: -48

Hole Length: 245.97

Logged by: W. Corstorphine/T. Keast

Drill Hole: MAN-91-1

Easting: L 13+40 E
Northing: 6+55 N
Property: Mann Project
Claim: 1154626
Drilled by: Hillex
Core Size: AQ
Date Started: Jul 27, 1991
Completed: Sept 10, 1991

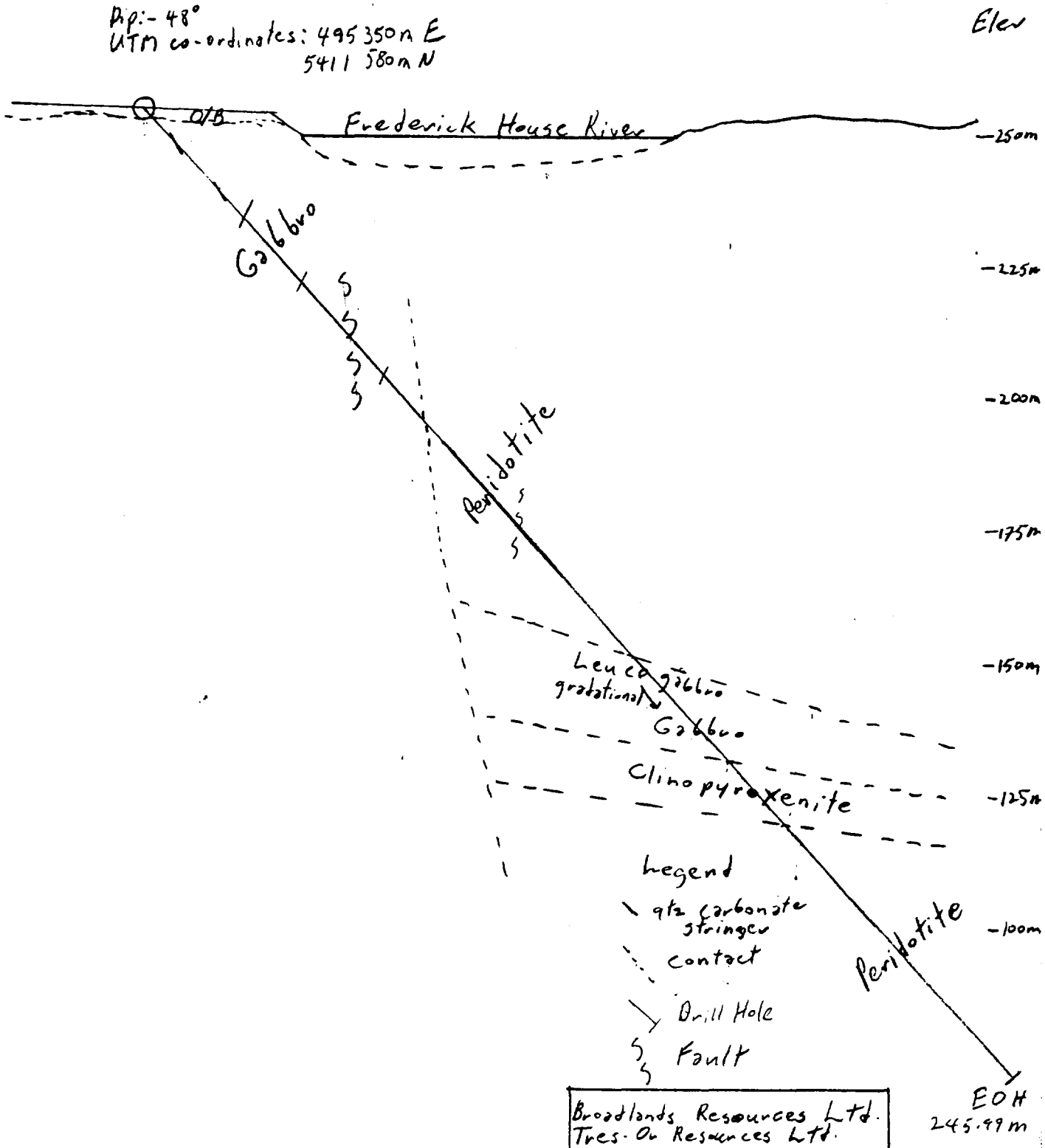
From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	1.83	CASING									
1.83	79.55	GABBRO									
			66	3.96	4.50	.54					0
		Grey to light green, medium grained gabbro. Massive crystalline texture throughout. Local	67	12.20	12.80	.60					
		sections up to 0.75 m wide, medium to coarse grained. 1-2% qtz filled fractures 10-70 deg	68	20.10	20.70	.60					
		to Core axis CA. Unit generally massive-non foliated. Local 0.5m wide sections weakly	69	27.40	27.95	.55					
		brecciated. Nil to rare grain of py.	70	35.10	35.76	.66					
		Hardness H 5, Magnetic Susceptibility MS very consistent at 0.30-0.40.	71	42.70	43.30	.60					
			72	50.60	51.00	.40					
		11.27 2 cm wide grey fine feldspar band, 25 deg to CA.	12360	51.00	52.00	1.00				2	
			73	56.40	57.10	.70					0
		50.90 52.00 Rare 0.5mm grains of cpy-py.	74	64.00	64.60	.60				16	0
			75	75.00	75.60	.60				7	0
		58.52-59 Narrow shear 35 deg to CA. Fine chloritic shear with tectonic breccia lithons	76	78.00	78.60	.60					0
		along margins.									
		Digital photo at 67 ft block.									
79.55	138.90	PERIDOTITE									
			77	79.60	80.20	.60					0
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive	78	81.70	82.30	.60					
		non-foliated peridotite. Sharp upper contact 35 deg to CA. Minor gabbro interfingering to	32	82.30	82.90	.60	59	890	18	3	1
		85.90m. Unit approaches a dunite along upper contact. Approximately 75% 1-3mm round	79	85.30	85.90	.60					
		cumulate olive,gren-brown in color. Rare 1-3mm wide fractures, serpentine filled,	80	88.70	89.30	.60					
		approximately 45-65 deg to C.A. Rare fine grains of sulphide, cpy <1mm.	81	91.70	92.30	.60					
		Hardness H 4-5, Magnetic Susceptibility MS variable 14-30.	82	93.00	93.60	.60					0
			12361	93.60	94.00	.40				6	
		Digital photo at 327 ft block, dunitic texture.	83	96.90	97.50	.60					
			84	100.00	100.60	.60					
		93.57 94.00 Tr <1mm grains cpy, trace brown mineral, sphalerite?.	85	104.00	104.60	.60					
			86	107.60	108.20	.60					

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
			87	110.60	111.20	.60					
			88	118.60	119.20	.60					
			89	121.60	122.20	.60					0
			90	124.70	125.30	.60					
			91	127.40	128.00	.60					5
			92	130.10	131.70	1.60					
			93	133.50	134.60	1.10					
			94	135.90	136.50	.60					
			4621	136.50	136.86	.36					
			4622	137.77	138.40	.63					
			95	138.70	138.90	.20				4	0
138.90	155.48	LEUCOGABBRO									
			96	139.10	139.70	.60					0
		White-Light grey, medium to coarse grained (upper contact missing from core box).	97	142.00	142.60	.60					
		85% Light feldspar with 10% rounded mafic material in the matrix. Foliation 55 deg to CA.	98	145.00	145.60	.60					
		H 5, MS 0.1-0.15.	99	148.00	148.60	.60					
			100	151.00	151.60	.60					0
			101	155.00	155.48	.48				31	18
155.48	166.16	GABBRO									
			102	159.00	159.60	.60				65	1
		Gradational downhole change from leucogabbro to Gabbro.	103	162.00	162.60	.60				105	1
		Grey color 35-40% mafic minerals in the matrix.	104	164.00	164.60	.60				169	2
		MS increases to 0.35.	105	166.00	166.16	.16			13	57	2
166.16	181.90	CLINOPYROXENITE									
			106	167.60	167.80	.20			128	153	3
		Core of upper contact missing Light green-apple green pyroxenite unit. Fine 1mm pyroxene	33	167.80	168.20	.40	166	5	108	101	1
		in large clusters Brecciated texture throughout with siliceaous cherty matrix. MS 0.20	107	168.20	168.90	.70			98	130	3
		throughout. H>5. Rare fine metallic grey mineral disseminate, <<1%. Core previously sawed	108	168.90	169.50	.60			111	170	3
		in half, some intervals not reported.	109	169.50	169.90	.40			212	273	5
			34	169.90	170.30	.40	18	169	169	183	4
			110	170.30	171.00	.70			191	202	4
			111	171.00	171.60	.60			138	161	3
			112	171.60	172.20	.60			83	137	3
			113	172.20	173.00	.80			154	188	4
			35	173.00	173.40	.40	5	164	107	99	2
			114	173.40	174.00	.60			86	102	3
			115	174.00	174.70	.70			128	136	3
			116	174.70	175.40	.70			49	63	1
			117	175.40	176.00	.60			89	99	4
			36	176.00	176.50	.50	39	144	121	94	3
			118	176.50	177.10	.60			112	105	3
			37	177.10	177.70	.60	23	172	20	17	5
			119	177.70	178.30	.60			474	463	5
			120	178.30	179.50	1.20			144	103	2
			121	179.50	180.10	.60			5	9	2
			122	180.10	180.70	.60			5	10	1

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
			123	180.70	181.40	.70			5	8	1
			124	181.40	181.90	.50			5	11	0
181.90	245.97	PERIDOTITE									
			125	181.90	182.10	.20					0
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive	126	182.10	182.60	.50					0
		non-foliated peridotite. Approximately 75% 1-3mm round cumulate olive,green-brown in	127	182.60	183.20	.60					
		color.	128	183.20	184.10	.90					
		Rare 1-3mm wide fractures, serpentine filled, approximately 45-65 deg to C.A.	129	184.10	184.70	.60					
		Hardness H 4-5, Magnetic Susceptibility MS variable 14-30.	130	184.70	185.30	.60					0
			131	187.80	188.40	.60					
			132	190.80	191.40	.60					
		E.O.H.	133	193.90	194.50	.60					1
			134	196.90	197.50	.60					
		Casing left in hole.	135	200.10	200.70	.60					
			136	203.10	203.70	.60					1
		Core Stored with Len Hill, South Porcupine.	139	212.30	212.90	.60					0
			143	224.20	224.80	.60					
			144	227.20	227.80	.60					
			146	233.30	233.90	.60					
			147	236.40	237.00	.60					0
			149	242.50	243.10	.60					
			150	245.50	245.97	.47					2

Man-91-1
Az: 120°
Dip: -48°
UTM co-ordinates: 495350m E
5411 580m N

Looking 30°



Broadlands Resources Ltd. Tres-Ox Resources Ltd.
Mann Property Cochrane MD. Ont, Canada X-Section Man-91-1 Claim 1154613 Scale: 1:1,000

Tres-Or Resources Ltd. / Broadlands Resources, Ltd.

DRILL HOLE RECORD

Northing: 655
Easting: 1340
Elevation: 1000

Collar Azi.: 172
Collar Dip: -65

Hole Length: 279.81

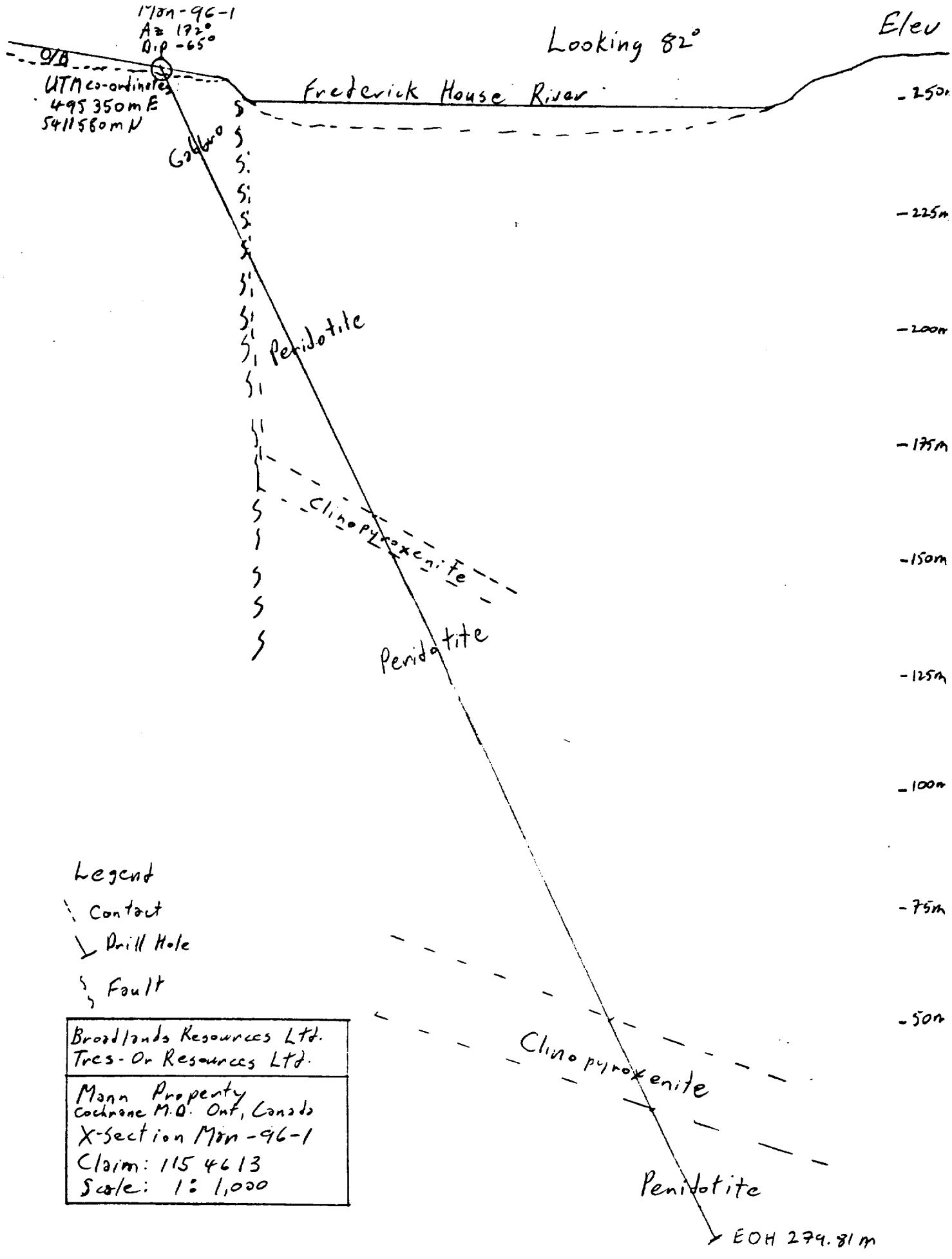
Logged by: W.Corstorphine/T.Keast

Drill Hole: MAN-96-1

Easting: L 13+40 E
Northing: 6+55 N
Property: Mann Project
Claim: 1154612
Drilled by: Hillex
Core Size: AQ
Date Started: Sept 2, 1996
Completed: Jul 21, 1997

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	1.52	CASING									
1.52	42.06	GABBRO									
		Grey to light green, medium grained gabbro. Massive crystalline texture throughout. Groundmass consists of dark green hornblende and white to greenish white plagioclase. 60:40 proportions.									
		Local sections up to 0.75 m wide, med to coarse grained. 1-2% qtz filled fractures 10-70 deg to CA. Unit generally massive-non foliated. Local 0.5m wide sections weakly brecciated. Nil to rare grain of py.									
		Hardness H 5, Magnetic Susceptibility MS very consistent at 0.30-0.40.									
		35.05 40.23 Annealed fracturing and brecciated texture. 5-7% fine grained calcite in fractures.									
42.06	107.29	PERIDOTITE									
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive non-foliated peridotite. Gradational upper contact, interfingered with gabbro. Local dunite at upper contact.	20	56.08	56.99	.91		438	tr	4	2
			21	63.09	64.00	.91		1175	6	7	2
			22	68.28	69.19	.91		683	tr	tr	tr
		Hardness H 4-5, Magnetic Susceptibility MS variable 14-30.									
107.29	115.21	CLINOPYROXENITE									
			12363	108.50	109.42	.92			122	107	
		Brecciated sharp upper contact 35 deg to CA. Light green brecciated clinopyroxeinte.	12364	109.42	110.34	.92			27	27	
		Rounded to angular fragments 1-3 cm in size. Variable color, grey to green. Minor white qtz-carb 2-3%.	12365	110.34	111.25	.91			16	54	
		H 5, MS 0.35.	12366	111.25	112.17	.92			68	173	
		Digital photo of lower contact.									

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
115.21	227.07	PERIDOTITE									
			23	124.66	125.58	.92		816	tr	2	3
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive	1A	210.62	211.23	.61			tr	tr	1
		non-foliated peridotite. Gradational upper contact. Narro 2cm wide serpentine filled slip	2A	211.23	211.84	.61			tr	tr	1
		planes throughout. Hardness H 4-5, Magnetic Susceptibility MS variable 14-30.	3A	212.45	213.06	.61			tr	tr	1
			4A	214.88	215.49	.61			tr	tr	1
			5A	215.49	216.10	.61			tr	tr	1
			1	224.64	226.16	1.52		1744	7	4	1
			2	226.16	227.07	.91		1210	12	4	3
227.07	248.65	CLINOPYROXENITE									
			3	227.07	227.69	.62		926	tr	6	10
		Light green, fine grained massive crystalline textured clinopyroxenite with 3-5% dark	4	227.69	228.30	.61		561	tr	tr	2
		green to grey feldspar.	5	228.30	229.21	.91		290	46	2	91
		Sharp upper contact, core brecciated.	12370	229.21	230.12	.91			45	3	43
			12371	230.12	231.04	.92			235	12	78
			12372	231.04	231.95	.91			207	20	26
			12373	231.95	232.87	.92			125	68	24
			12374	232.87	233.87	1.00			98	105	21
			12375	233.87	234.70	.83			81	140	7
			12376	234.70	235.92	1.22			118	243	20
			12377	235.92	236.83	.91			221	350	7
			12378	236.83	237.74	.91			309	492	10
			12379	237.74	238.66	.92			187	238	4
			12380	238.66	239.57	.91			239	315	6
			12381	239.57	240.49	.92			198	284	3
			12382	240.49	241.49	1.00			266	438	3
			12383	241.49	242.32	.83		100	204	314	4
248.65	279.81	PERIDOTITE									
			6A	268.83	269.44	.61			2	4	tr
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive	4601	270.60	270.81	.21			13	10	1
		non-foliated peridotite. Narrow 2cm wide serpentine filled slip planes throughout.	7A	277.67	278.28	.61			6	8	1
		Hardness H 4-5, Magnetic Susceptibility MS variable 14-30.									
		E.O.H.									
		Casing left in hole.									
		Core Stored with Len Hill, South Porcupine.									


Mon-96-1
Az 172°
Dip -65°
O/B
UTM co-ordinates
495 350m E
5411580m N
Looking 82°
Elev
Frederick House River
Gabbro
Peridotite
Clinopyroxenite
Peridotite
Clinopyroxenite
Peridotite
EOH 279.81 m
-250m
-225m
-200m
-175m
-150m
-125m
-100m
-75m
-50m
Legend
Contact
Drill Hole
Fault
Broadlands Resources Ltd.
Tres-Or Resources Ltd.
Mann Property
Cochrane M.D. Ont, Canada
X-Section Mon-96-1
Claim: 115 4613
Scale: 1: 1,000

DRILL HOLE RECORD

Northing: 1300
Easting: -1700
Elevation: 1000

Collar Azi.: 200
Collar Dip: -45

Hole Length: 200.25

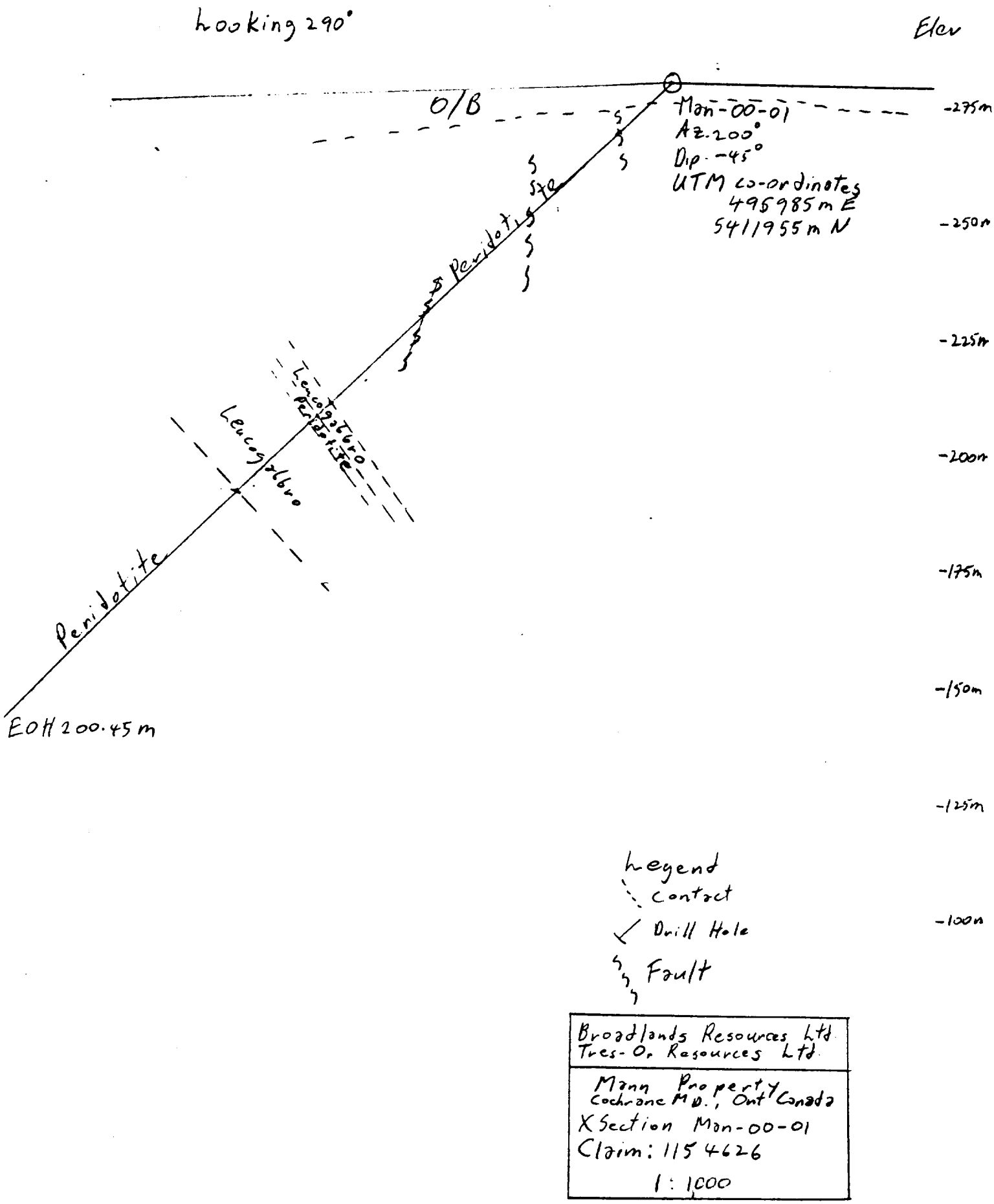
Logged by: Todd Keast

Drill Hole: MAN-00-01

Easting: L 17+00 E
Northing: 13+00 N
Property: Mann Project
Claim: 1154626
Drilled by: Larry Salo Drilling
Core Size: BQ
Date Started: Jan 15, 2000
Completed: Jan 19, 2000

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
.00	5.18	CASING									
5.18	100.28	PERIDOTITE									
			4681	53.95	54.50	.55			19	6	
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained,massive	4682	71.62	72.08	.46					
		non-foliated peridotite. Approximately 75% 1-3mm round cumulate olive,gren-brown in color.									
		Rare 1-3mm wide fractures, serpentine filled, approximately 65 deg to C.A.									
		Rare fine sulphide grais of po and cpy <1mm in size.									
		Hardness H 4-5, Magnetic Susceptibility MS 55-75.									
		5.18 6.71 Broken blocky core, fault gouge.									
		14.08 14.33 50% serpentine veins, shear slip planes, 50 deg to C.A.									
		26.51 28.65 Broken blocky core, 25% serpentine slip planes, all angles.									
		39.62 40.05 Talc serpentine fractures, 45 deg to C.A.									
		58.52 59.89 Fault gouge, broken blocky core.									
		71.62 71.90 Serpentine slip plane, 25 deg to C.A, 7-10% fine po.									
100.28	104.03	LEUCOGABBRO									
		Light green, medium to coarse grained with a sharp upper contact 80 deg to C.A.									
		Sharp chilled contact, crystalline texture, barren of sulphides.									
		H 5-6, MS 5.									
104.03	106.47	PERIDOTITE									
		Massive ultramafic flow/intrusion. Dark black to brown, fine to medium grained massive									
		non-foliated peridotite.									
		Approximately 75% 1-3mm round cumulate olive,gren-brown in color.									

From (m)	To (m)	Geology	Smple	From (m)	To (m)	Lngt (m)	CU PPM	NI PPM	PT PPB	PD PPB	AU PPB
		Rare 1-3mm wide fractures, serpentine filled, approximately 65 deg to C.A.									
		Rare fine grains of sulphide, po and cpy <1mm.									
		Hardness H 4-5, Magnetic Susceptibility MS 85.									
106.47	128.78	LEUCOGABBRO									
			4683	114.91	115.22	.31			68	203	
		Light green, medium to coarse grained with a sharp upper contact 85 deg to C.A.									
		Sharp chilled contact. 75% light green feldspar with 25% fine cumulate mafic material in the matrix.									
		Downhole unit develops 1 cm wide mafic bands, 80 deg to C.A.									
		Unit is barren of sulphides.									
		H 5-6, MS 0.19.									
128.78	200.25	PERIDOTITE									
			4684	156.67	157.10	.43				3	5
		Dark black fine grained massive ultramafic flow/intrusion. Rare serpentine slip planes 60 deg to C.A. Rare 1mm cooling fractures 80 deg to C.A.									
		Rare grain of fine sulphide.									
		H 4-5, MS 75-110.									
		Below 169 metres, unit becomes medium grained with a well developed cumulate texture, brown to green olivine, up to 2mm.									
		158.28 180.07 Broken blocky core, fault gouge 45 deg to C.A.									
		E.O.H.									
		Casing Removed From Hole.									
		Core Stored with Len Hill, South Porcupine.									


looking 290°
Elev
O/B
Man-00-01
Az. 200°
Dip -45°
UTM co-ordinates
495985m E
5411955m N
-275m
-250m
-225m
-200m
-175m
-150m
-125m
-100m
Peridotite
Leucogabbro
Leucogabbro Peridotite
Peridotite
EOH 200.45m
legend
Contact
Drill Hole
Fault
Broadlands Resources Ltd
Tres-Or Resources Ltd
Mann Property
Cochrane M.D., Ont Canada
X Section Man-00-01
Claim: 1154626
1:1000

Appendix C

Analytical Results

Les Laboratoires XRAL Laboratories
Une Division de / A Division of SGS Canada Inc.
129 Ave. Marcel Baril, Rouyn-Noranda, Québec J9X 7B9
Téléphone: (819) 764-9108 Télécopieur: (819) 764-4673

TIFICAT D'ANALYSE/CERTIFICATE OF ANALYSIS

A/To: Resources
31 Street
White ock
.C.
1A 7 7

dd Keast

Référence / Work Order	: R20006
Project	:
Commande / P.O. No	:
d'échantillons / Number of samples	: 16
inclus / Report comprising	: Page couverture/Cover sheet, Pages 1 à/to 1
/ Date Received	: 14/05/01
le / Date Reported	: 17/05/01

Répartition du matériel inutilisé / Distribution of unused material

Pulpes / Pulps	: Returned after 90 days of reporting.
Rejets / Rejects	: Discarded After 90 Days Unless Instructed!!!

Commentaires / Comments

Certified Copy

Certifié par/Certified By
Les Laboratoires XRAL Laboratories : _____

30/10/2002

L.N.R. = Échantillon non reçu / Listed not received
n.a. = Non applicable / Not applicable
I.S. = Quantité insuffisante / Insufficient Sample
-- = Aucun résultat / No result
*INF = La composition de cet échantillon rend la détection impossible par cette méthode / Composition of this sample makes detection impossible by this method
M après un échantillon signifie une conversion de ppb à ppm et %, une conversion de ppm à %
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL **Les Laboratoires XRAL Laboratories**
Une Division de / A Division of SGS Canada Inc.
129 Ave. Marcel Baril, Rouyn-Noranda, Québec J9X 7B9
Téléphone: (819) 764-9108 Télécopieur. (819) 764-4673

Projet/Project :
Notre Référence/Work Order : R20006
Date : 17/05/01
Page : 1 of 1
Final

Element.		Au	Pt	Pd
Methode/Method.		FA301	FA301	FA301
Det.Lim.		1	10	1
Mesure/Units.	Sample # Fig 7	ppb	ppb	ppb
12368	7218	3	<10	4
12369	7219	46	49	4
12370	7220	43	45	3
12371	7221	78	235	12
12372	7222	26	207	20
12373	7223	24	125	68
12374	7224	21	98	105
12375	7225	7	81	140
12376	7226	20	118	243
12377	7227	7	221	350
12378	7228	10	309	492
12379	7229	4	187	238
12380	7230	6	239	315
12381	7231	3	198	284
12382	7232	3	266	438
12383	7233	2	177	285
*Dup 12368		1	<10	2
*Dup 12380		7	273	360

LES LABORATOIRES XRAL
Rouyn-Noranda (Québec) J9X 7B9
Téléphone: (819) 764-9108 Télécopieur: (819) 764-4673
30/10/02

Appendix D

Author's Statement of Qualifications

Statement of Qualifications

I, David St. Clair Dunn, Professional Geoscientist, with a business address at 1154 Marine Drive, Gibsons, B.C., Canada certify that:

1. I am a graduate of the University of British Columbia with a degree of Bachelor of Science in Geology.

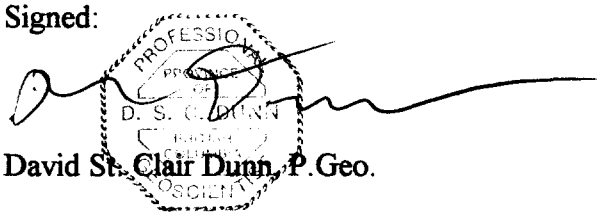
2. I am registered as a Professional Geoscientist with the British Columbia Association of Professional Engineers and Geoscientists (Reg. # 18,479).

3. I have practiced my profession for 21 years.

4. I have based my conclusions and recommendations in this report on a review of all available reports and supervision of the March to May 2001 geological and geophysical programs.

5. I am Vice President-Exploration and a Director of Tres-Or Resources Ltd. and hold stock and options to purchase stock in that company.

Signed:



David St. Clair Dunn, P.Geo. November 15, 2001

Appendix E

T. Keast May, 2000 Geological Report

Geological Report on the Mann Project

for

Tres-Or Resources Ltd.

Mann and Duff Townships

Porcupine Mining Division, Ontario

N.T.S 42 A/NW

May 3, 2000 **Todd Keast, P. Geo.**

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

SUMMARY

During May of 2000, the author was contracted by Tres-Or Resources Ltd. to prepare a Geological Report on the Mann Project. The Mann Project, which consists of 19 claims covering 304 hectares (ha), is situated within Mann Township and Duff Township of the Porcupine Mining Division. The claims are situated within the Mann intrusive complex a large ultramafic intrusion, which extends for 40 kilometres (km) of strike length with a width of greater than 1.5 km. Several nickel-copper (Ni-Cu) sulphide showings and platinum group element (PGE) showings have been identified within the complex. Recent studies of the complex have indicated a chemistry of the ultramafic rocks similar to that of the rocks which host the Alexo Ni-Cu sulphide deposit. In addition, these same studies have identified significant anomalous platinum group element (PGE) mineralization (>150 ppb PGE+Au) over considerable widths. The PGE mineralization includes rock-saw channel samples which returned up to 654 ppb combined PGE and Au over 12.20 metres (m), and one diamond drill hole which returned 238 ppb combined Au and PGE over a core length of 10.70 m.

A two-phase exploration program is recommended to evaluate the PGE and Ni-Cu sulphide potential of the Mann Project. The recommended exploration program includes line cutting, horizontal loop electromagnetic (HLEM) surveys, magnetometer (mag) surveys, geological mapping, and diamond drilling. The total estimated cost of the proposed exploration program is **$102,321**.

INTRODUCTION

During May of 2000, the author was contracted by Tres-Or Resources Ltd. (Tres-Or), to prepare a Geological Report on the Mann Project. The background work involved in preparing the report included a review of regional geological and geophysical surveys completed by government agencies, exploration activities by

previous operators, work on the property by the author over the past two years and examination of pertinent drill core.

The Mann Project consists of 19 contiguous mining claims covering 304 ha, situated within Duff Township and Mann Township, of the Porcupine Mining Division. The project is located 47 km north of Timmins Ontario, within the Mann ultramafic complex. The Mann ultramafic complex lies within the Kidd-Munro Assemblage and Stoughton Roquemaure Assemblage of the Abitibi subprovince. Previous exploration programs on the property have been directed towards identifying Ni-Cu sulphide mineralization. Work has included linecutting, HLEM surveys, mag surveys, limited Induced Polarization (IP) surveys, and minor diamond drilling. The Ontario Geological Survey (O.G.S.) completed preliminary mapping programs, and airborne EM and mag surveys.

Recent geological studies of the Mann intrusive complex as part of a larger Kidd Munro study have identified significant PGE mineralization on the Mann Project. PGE values in both channel samples and diamond drill core have returned highly anomalous (>150 ppb PGE+Au) assay results. The PGE mineralization is hosted within ultramafic rocks including clinopyroxenite and peridotite. The PGE mineralization is not associated with zones of heavy sulphide mineralization, as observed at other PGE showings and deposits. The apparent controls on the transport and deposition of PGE are similar to those of other PGE deposits of hydrothermal origin, such as the platiniferous pipes of the Bushveld Complex.

A second important result of the studies of the Mann intrusive complex was that the chemistry of the ultramfic rocks on the Mann Project were found to be similar to those which host the Alexo Ni-Cu sulphide deposit, located approximately 33 km to the southeast. A number of geophysical anomalies have been identified on the Mann Project, which represent Ni-Cu sulphide targets.

Additional work is recommended for the Mann Project. A two-phase exploration program is recommended to evaluate this new PGE mineralization. A proposed exploration budget of **$102,321** is recommended to evaluate the PGE and Ni-Cu sulphide potential of the property.

PROJECT LOCATION AND ACCESS

The Mann Project is located 47 km north of Timmins Ontario, within Duff Township and Mann Township, of the Porcupine Mining Division (**Figure 1**). The claims are situated in the northwest corner of Mann Township and the northeast corner of Duff Township. The project is centered at 48°52'N and 81°02' NTS 42 A/NW.

The Mann Project is easily accessed by travelling north along Hwy 11 approximately 14 km northwest of the Iroqouis Falls turnoff (Hwy 578), to the Potter Station turnoff. Travel west along this road for 19 km until you reach a bridge, which crosses the Frederick House River. This is the central portion of the Mann Project. A number of trails access the north and west portions of the property.

TOPOGRAPHY AND CLIMATE

The topography of the Mann Project is flat to gently rolling. Outcrop exposure is low, approximately 1-2%. The majority of the property is covered by spruce bog, thick alder and muskeg. Drainage is controlled by a number of small creeks, which generally drain to the northwest into the Frederick House River, which in turn drains north.

Figure 1: property Location

The climate of the project area is warm and dry in the summer months from May through to September, and cold and snowy from November to March. Temperatures range from +30 Celsius in the summer to –30 Celsius in the winter.

LAND TENURE AND OWNERSHIP

The Mann Project consists of 19 contiguous claims covering 304 ha, situated within Mann Township and Duff Township of the Porcupine Mining Division (**Figure 2**). Leonard Hill of South Porcupine, Ontario, is the registered holder (100%) of these claims. Tres-Or can earn a 100% interest in the property by making cash and stock payments with Leonard Hill retaining a royalty. A listing of claims is included in **Table 1**. Claim abstract summaries are included in **Appendix I**.

Table 1 - Claim Listing for Mann Project

Claim #	Township	Units	Hectares	Due Date	Holder
Duff	P 1154619	1	16	Jul 19, 2000	L. Hill
Duff	P 1154620	1	16	Jul 19, 2000	L. Hill
Duff	P 1154621	1	16	Jul 19, 2000	L. Hill
Duff	P 1154622	1	16	Jul 19, 2000	L. Hill
Mann	P 1154611	1	16	Jul 19, 2000	L. Hill
Mann	P 1154612	1	16	Jul 19, 2000	L. Hill
Mann	P 1154613	1	16	Jul 19, 2000	L. Hill
Mann	P 1154614	1	16	Jul 19, 2000	L. Hill
Mann	P 1154615	1	16	Jul 19, 2000	L. Hill
Mann	P 1154616	1	16	Jul 19, 2000	L. Hill
Mann	P 1154617	1	16	Jul 19, 2000	L. Hill
Mann	P 1154618	1	16	Jul 19, 2000	L. Hill
Mann	P 1154624	1	16	Sep 20, 2000	L. Hill
Mann	P 1154625	1	16	Sep 20, 2000	L. Hill
Mann	P 1154626	1	16	Sep 20, 2000	L. Hill
Mann	P 1154627	1	16	Sep 20, 2000	L. Hill

Mann	P 1154628	1	16	Sep 20, 2000	L. Hill
Mann	P 1154629	1	16	Sep 20, 2000	L. Hill
Mann	P 1190501	1	16	Jul 28, 2001	L. Hill
Total		**19**	**304 ha**		

REGIONAL GEOLOGY

The exploration target sought for is platinum group element mineralization and nickel-copper sulphide mineralization, hosted within specific layers of the Mann ultramafic intrusion. Ni-Cu sulphide deposits are generally associated with ultramafic and gabbroic volcanic rocks of both intrusive and extrusive nature. The Ni-Cu sulphide deposits are generally associated within a specific sulphide rich horizon, which is generally conductive due to the high sulphide content. A summary of Ni-Cu sulphide deposits from the Timmins Area is included in **Table 2.**

Table 2 - Ni-Cu Sulphide Deposits of the Timmins Area

Deposit Name	**Grade**	**Tonnes**
Texmont	0.93% Ni, Cu N.A.	3,190,000
Langmuir (1&2)	2.09% Ni, 0.08% Cu	1,600,00
Alexo	4.5% Ni, 0.50% Cu	52,000
Redstone	2.39% Ni, 0.09% Cu	1,220,000
Montcalm	1.44% Ni, 0.68% Cu	3,560,000

The Mann Project is situated within the Mann intrusive complex of the Abitibi subprovince. It is located at the northwestern end of the belt of ultramafic/mafic intrusive and extrusive rocks included in the Stoughton-Roquemaure assemblage, as recognized by Jackson and Fyon (1991). The geology of Mann Township was mapped by Satterly (1959), and Hunt and Richard (1980), and included in the regional studies of Jensen and Langford (1985).

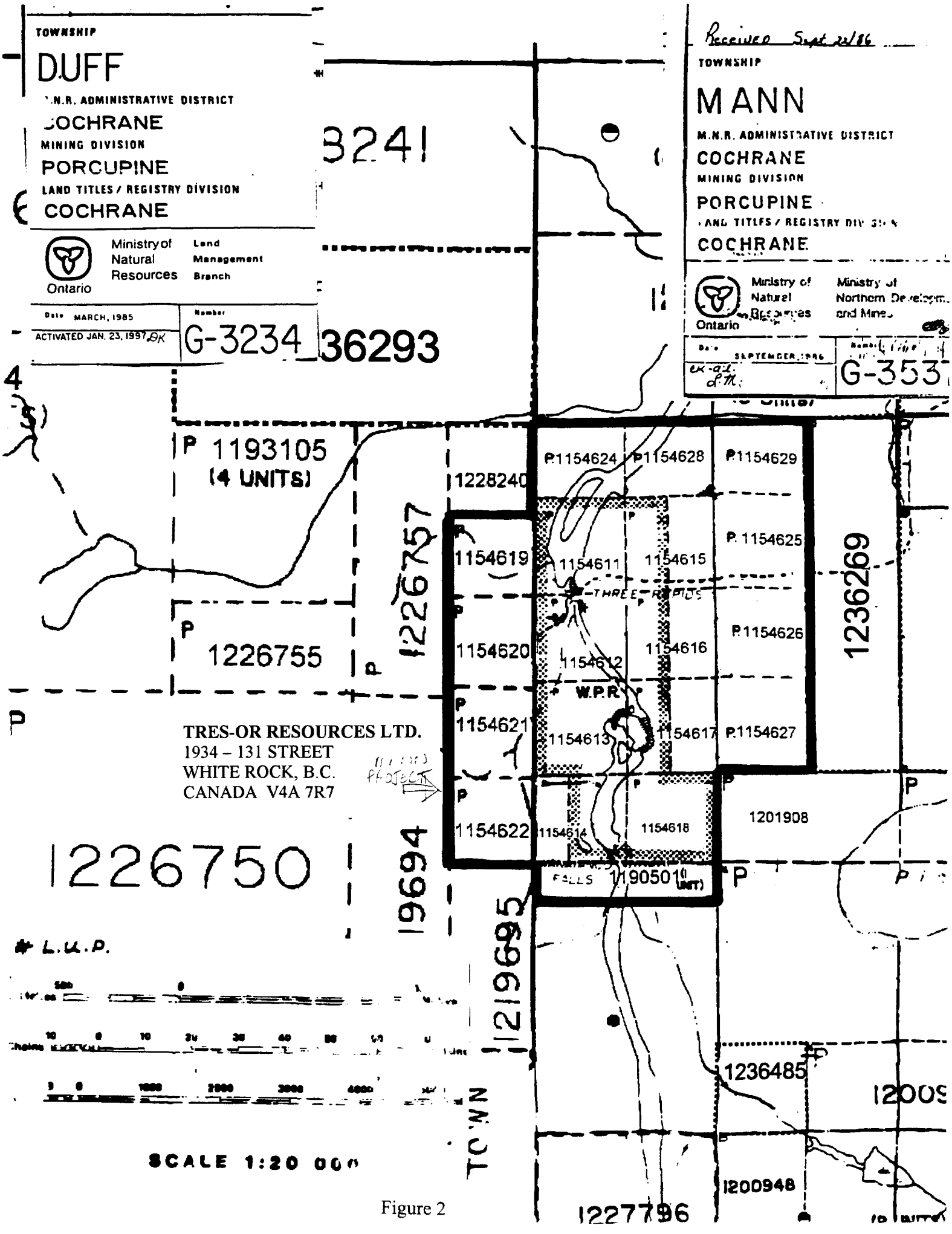

TOWNSHIP
DUFF
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE
Ministry of Natural Resources
Land Management Branch
Ontario
Date MARCH, 1985
Number G-3234
ACTIVATED JAN. 23, 1997 BK
Received Sept 22/86
TOWNSHIP
MANN
M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE
Ministry of Natural Resources
Ministry of Northern Development and Mines
Ontario
SEPTEMBER, 1986
G-353
3241
36293
P 1193105
(4 UNITS)
1228240
P1154624
P1154628
P1154629
P. 1154625
1154619
1154611
1154615
THREE RAPIDS
1226757
1236269
P
1226755
1154620
1154612
1154616
P.1154626
W.P.R.
P
1154621
1154613
1154617
P.1154627
TRES-OR RESOURCES LTD.
1934 – 131 STREET
WHITE ROCK, B.C.
CANADA V4A 7R7
PROJECT
P
1154622
1154614
1154618
1201908
1226750
FALLS
1190501 (1 UNIT)
19694
1219695
L.U.P.
1236485
1200948
1227796
SCALE 1:20 000
TOWN

Figure 2

The Mann intrusive complex is very large, with a strike length greater than 40 km and a thickness greater than 1.5 km (**Figure 3**). The complex occurs approximately 28 km northeast of the Kidd Creek massive sulphide deposit, within the northwestern end of a belt of ultramafic/mafic intrusive and extrusive rocks included in the Kidd-Munro and Stoughton-Roquemaure assemblages. In addition to ultramafic and mafic intrusions, the major lithologies in the area are predominantly northwestly striking mafic metavolcanics accompanied by minor intermediate matavolcanics and interflow sediments (**Figure 4**). The Mann complex is folded along a west to northwest trending fold axis. The metamorthpic grade is mid-greenschist facies.

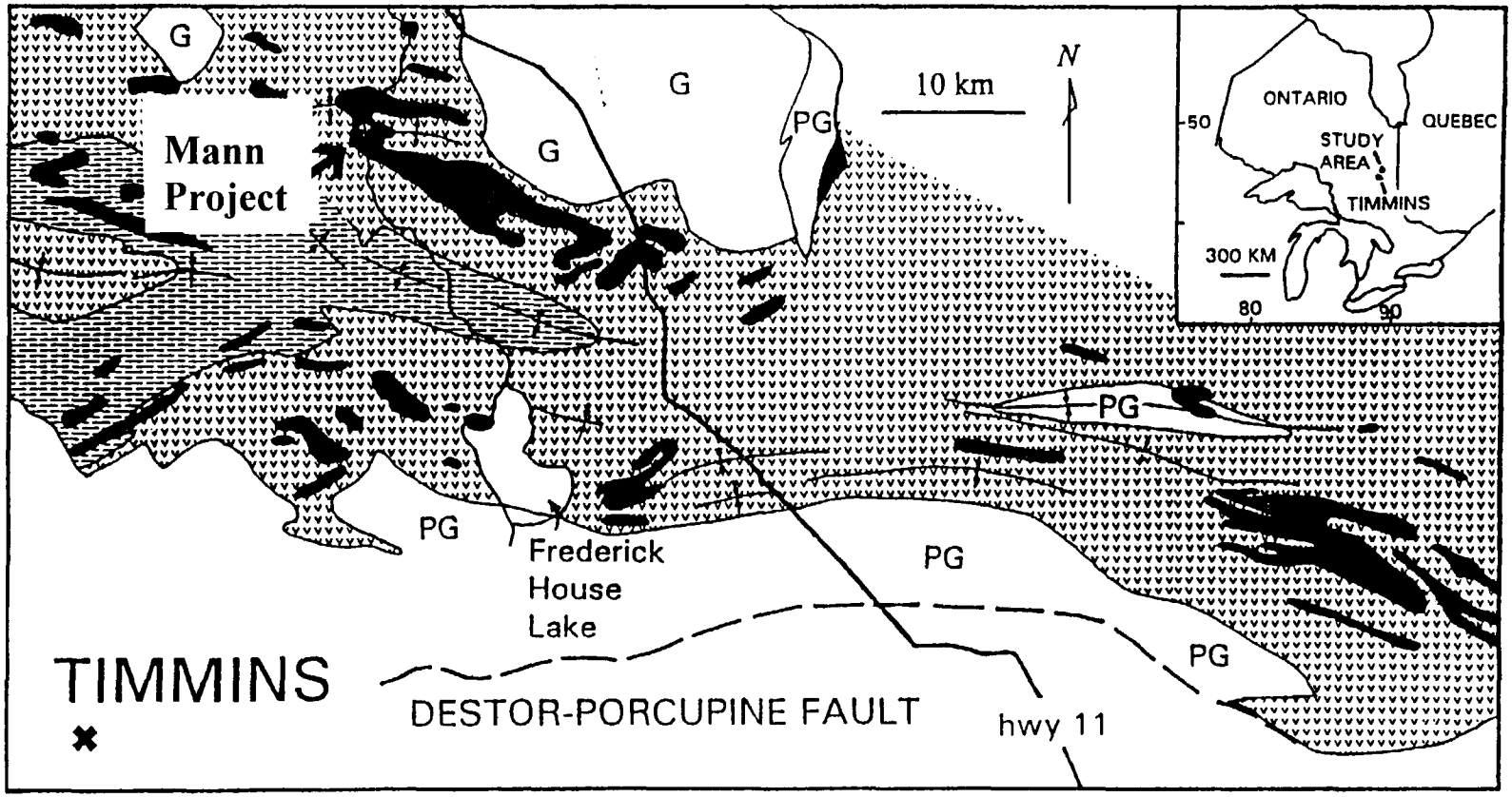
PROPERTY GEOLOGY

The property geology is based upon work by government agencies, work in the area by previous operators, and a research paper by Good, Crocket, and Barnet (1997). Regional mapping and limited diamond drilling on the project (nine holes) indicates the presence of the ultramafic intrusion. Diamond drilling to the north of the project area has intersected anomalous Ni-Cu mineralization in ultramafic flows, intrusions and sediments.

Details of the size and composition of the Mann intrusive complex are poorly understood due to limited outcrop and the structural complexity. Three major rock types have been documented on the Mann propoerty: peridotite, clinopyroxenite, and gabbro (**Figure 5**).

Peridoite

The peridotite is predominately wehrlite with minor serpentinite. The wehrlite is a hetradcumulate and consists of medium-grained subrounded olivine and interstital subophitic clinopyroxene (augite), subhedral chromite and minor



LEGEND

ARCHEAN

G granitoids

PG turbidite sequences

felsic metavolcanics

mafic metavolcanics

ultramafic to gabbroic intrusives

Figure 3

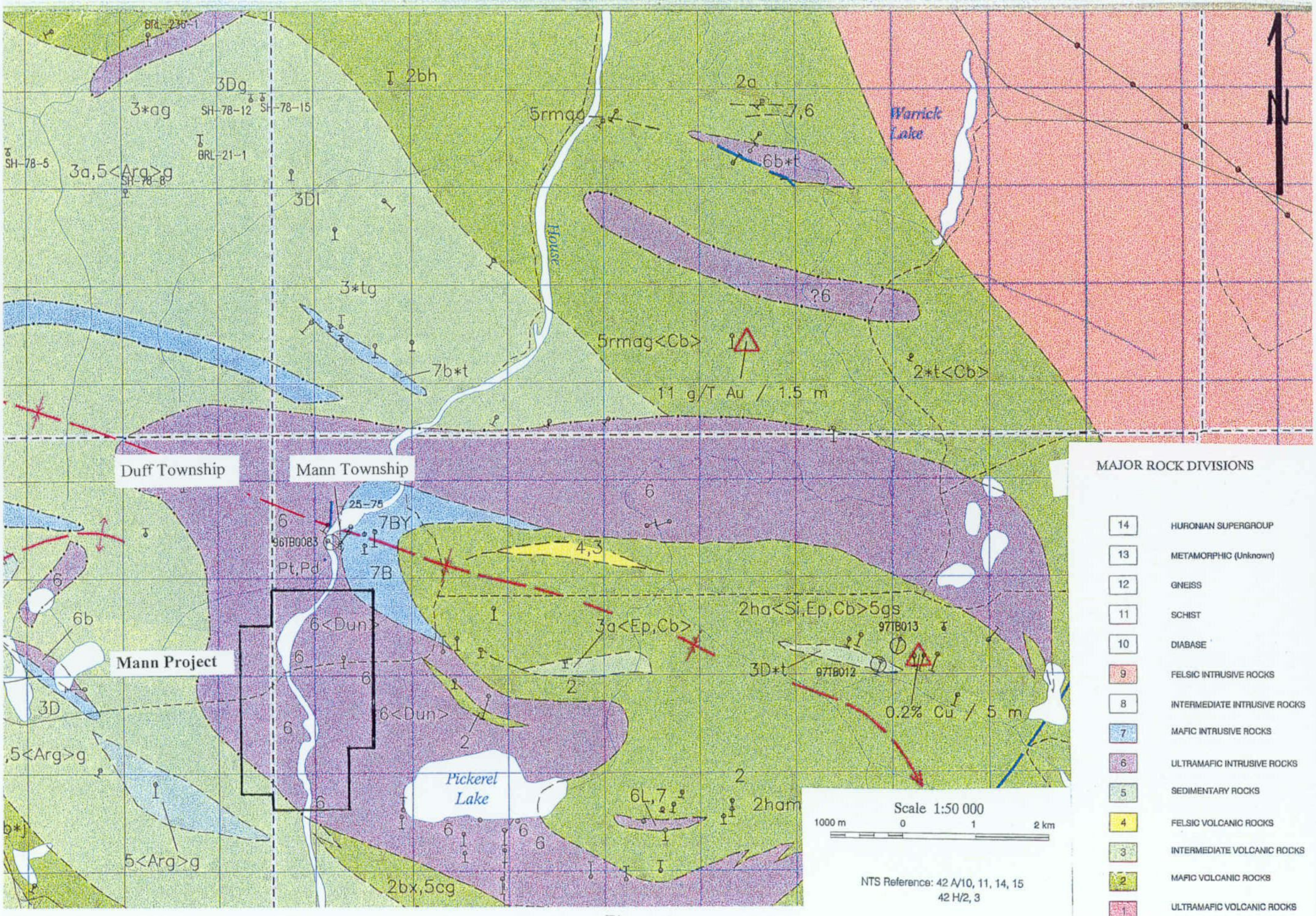

Warrick Lake
House
Duff Township
Mann Township
Mann Project
Pickerel Lake
11 g/T Au / 1.5 m
0.2% Cu / 5 m
Pt,Pd
96TB0083
97TB013
97TB012
25-75
SH-78-5
SH-78-8
SH-78-12
SH-78-15
BRL-21-1
3*ag
3Dg
3a,5<Arg>g
3Dl
3*tg
7b*t
2bh
5rmag
5rmag<Cb>
2a
7,6
6b*t
?6
2*t<Cb>
6
7BY
7B
4,3
6<Dun>
6b
3D
2ha<Si,Ep,Cb>5gs
3a<Ep,Cb>
3D*t
2
6L,7
2ham
5<Arg>g
2bx,5cg
MAJOR ROCK DIVISIONS
14 HURONIAN SUPERGROUP
13 METAMORPHIC (Unknown)
12 GNEISS
11 SCHIST
10 DIABASE
9 FELSIC INTRUSIVE ROCKS
8 INTERMEDIATE INTRUSIVE ROCKS
7 MAFIC INTRUSIVE ROCKS
6 ULTRAMAFIC INTRUSIVE ROCKS
5 SEDIMENTARY ROCKS
4 FELSIC VOLCANIC ROCKS
3 INTERMEDIATE VOLCANIC ROCKS
2 MAFIC VOLCANIC ROCKS
1 ULTRAMAFIC VOLCANIC ROCKS
Scale 1:50 000
1000 m 0 1 2 km
NTS Reference: 42 A/10, 11, 14, 15
42 H/2, 3
N

Figure 4

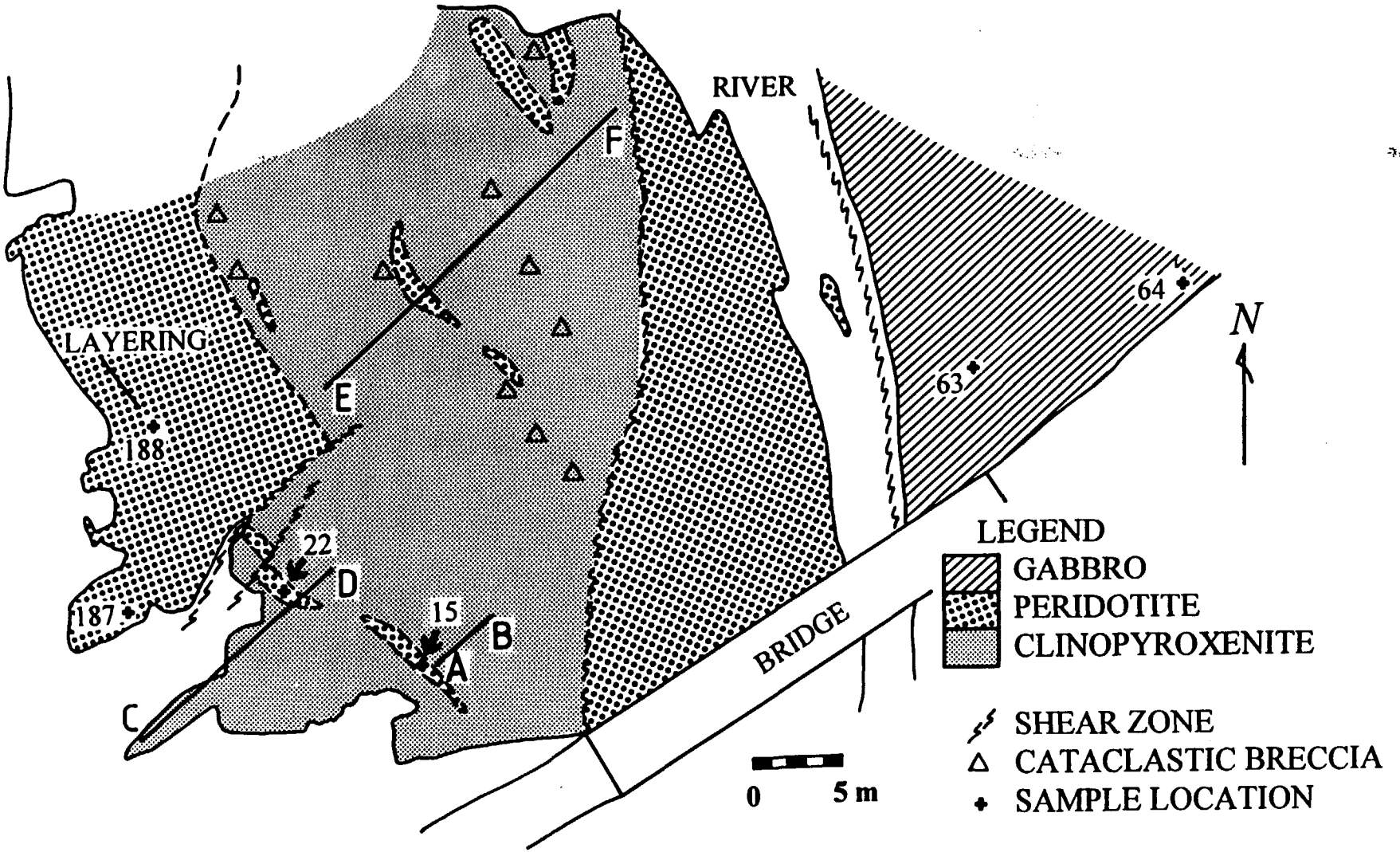

RIVER
F
LAYERING
E
188
22
D
187
15
B
A
C
64
63
N
BRIDGE
LEGEND
GABBRO
PERIDOTITE
CLINOPYROXENITE
SHEAR ZONE
CATACLASTIC BRECCIA
SAMPLE LOCATION
0
5 m

Figure 5

anhedral orthopyroxene. Serpentinite occurs locally and consists of >95% serpentine abd 1-5% fine grained magnetite.

Clinopyroxenite

Based upon limited outcrop exposure and one diamond drill hole intersection, the clinopyroxenite member in the mapped section is between 14 and 30 m thick with a strike length of 500 m, south-southeast. The clinopyroxenite is an adcumulate composed of >90% clinopyroxene (augite).

Gabbro

The gabbro unit is medium grained and consists of approximately equal portions of subhedral plagioclase and anhedral clinopyroxene, along with minor amounts of orthopyroxene, quartz, epidote and magnetite.

Research by Good, Crocket and Barnet on the central portion of the Mann Project concluded that "Clinopyroxenite in the mafic-ultramafic complex in Mann township apparently crystallized from magma similar to that which formed the sulphide bearing komattiite at the Ni-Cu Alexo Deposit". This research indicated that exploration potential exists for the development of Ni-Cu sulphide mineralization in the Mann Complex, specifically on the Mann Project. PGE mineralization identified on the Mann Project is hosted within ultramafic rocks including clinopyroxenite and peridotite. The PGE mineralization is not associated with zones of heavy sulphide mineralization, as observed at other PGE showings and deposits. The apparent controls on the transport and deposition of PGE are similar to those of other PGE deposits of hydrothermal origin, such as the platiniferous pipes of the Bushveld Complex.

PREVIOUS EXPLORATION

The Mann Project has received limited exploration for a variety of commodities

over the past twenty years. Past work on the property has included government mapping and airborne geophysical surveys. Assessment work filed by previous operators on the property is limited. A summary of previous work programs is included below.

Holmer Gold Mines (1973)

In 1973, Holmer Gold Mines completed vertical electromagnetic (VEM) surveys and completed one diamond drill hole to test one of the EM anomalies. The drill hole intersected peridotite, pyroxenite and ultramafic porphyry. A summary of the hole is included in **Table 3**. Mineralization to account for the VEM anomaly was not encountered in the drill hole. Follow up work on the unexplained VEM anomaly and on the property was not reported.

Table 3 – Holmer Gold Mines DDH 73-6

From – To (feet)	Rock Type
0 – 40 ft	Casing
40 – 368.5	Peridotite
368.5 – 379.5	Ultramafic Porphyry
379.5 – 393.5	Peridotite
393.5 – 420	Ultramafic pyroxenite
420 – 499	Ultramafic Porphyry
499 – 550 (E.O.H.)	Peridotite

Ontario Geological Survey 1980

In 1980 the Ontario Geological Survey (O.G.S.) published a preliminary map (P 755) of Mann Township. The preliminary map was a compilation of past work on the property and geology of the Township. The past work included VEM anomalies and the drill hole location of work completed by Holmer Gold Mines.

Ontario Geological Survey 1988

In 1988 the O.G.S. completed an airborne geophysical survey over the Timmins area, which included Mann and Duff Townships. The survey delineated the Mann

Complex as a strong positive magnetic feature that extends for approximately 40 km of strike length (**Figure 6**). A number of EM anomalies were identified on the Mann Project claims.

Leonard Hill (1990)

In 1990, Leonard Hill staked the Mann Project claims and over the next eight years prospected and completed a total of seven diamond drill holes (788 m total drilling), on the property. The diamond drilling was located along several locations along the Frederick House River. The purpose of the drilling was to evaluate the platinum group element and diamond potential of the property. Mr. Hill reported intersecting a single diamond in drill core, and has panned several diamonds from the river. A total of eighteen samples were assayed for Ni, Cu, Au and PGE mineralization. One core sample returned 522 ppb PGE and Au over 0.91 m. Sampling was not completed above or below this sample.

Dave Good (1994)

In 1994, during a period of time while Leonard Hill was actively working on the Mann Project, D. Good completed a research program on the Mann Complex, which included detailed mapping and sampling of outcrop on the Mann Project. In addition drill core from one of the Lenonard Hill drill holes (91-1) was studied and sampled. Assay results from outcrop and drill core returned highly anomalous PGE and gold results. Assay results from this work are included in **Table 4,** with channel sample locations on **Figure 5**.

Leonard Hill OPAP (1998-1999)

In 1998 Len Hill applied for and received an OPAP grant ($10,000), from the Ontario Ministry of Northern Development and Mines. A total of 10.225 km of linecutting was completed at 100 metre spaced lines with picket stations established every 25 metres. Prospecting and mapping was completed however proved to be of limited effectiveness with outcrop exposure of <1%. The best exposure of bedrock is situated along the Frederick House River at the bridge

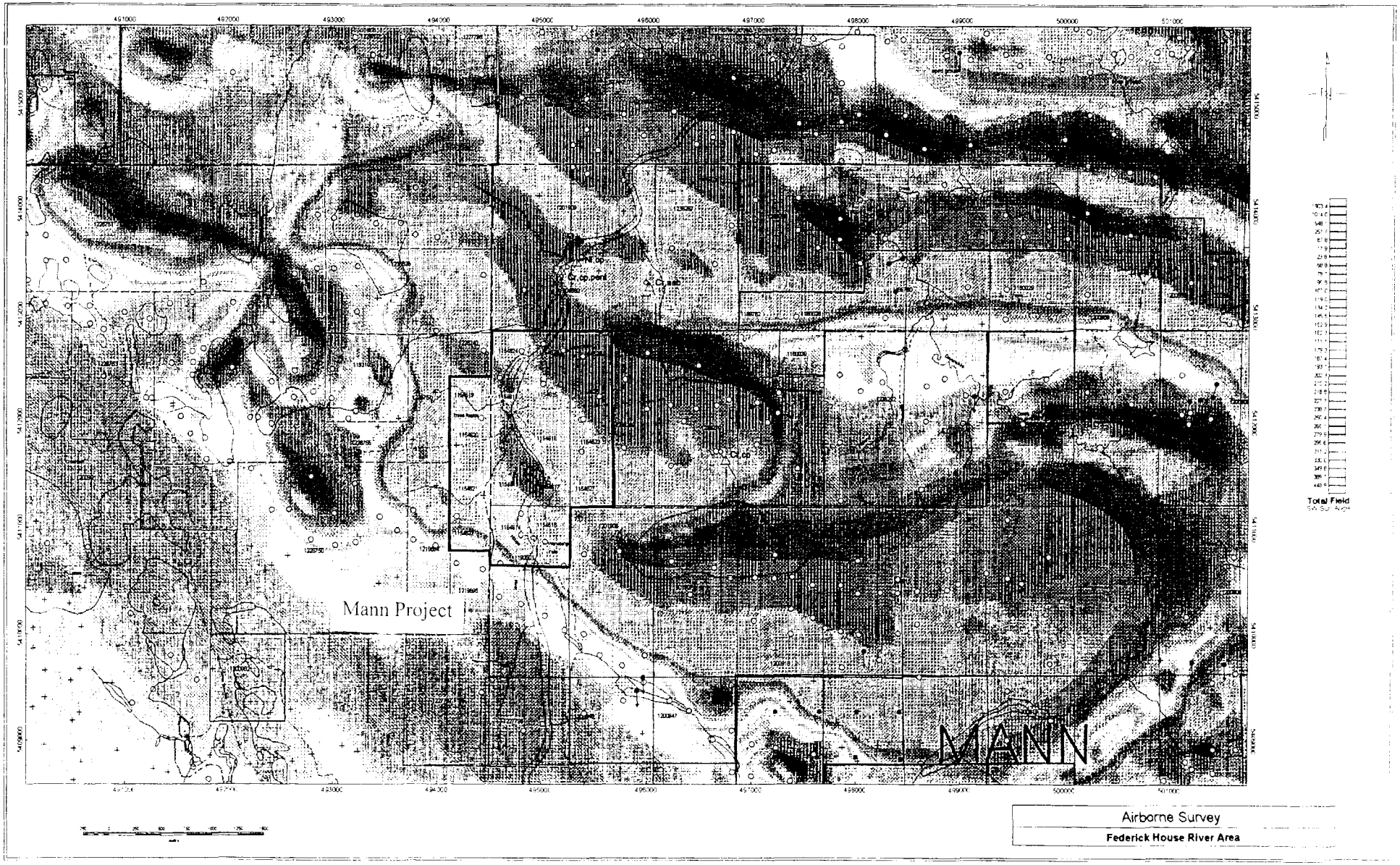

Mann Project
MANN
Total Field
Airborne Survey
Federick House River Area

Figure 6

Table 4 - Mann Project Channel Sample Assays

Channel A - B

Sample #	Location	Width m	Ni ppm	Cu ppm	Au ppb	Pt ppb	Pd ppb	Rh ppb	Sum PGE PGE+Au	PGE + Au x Width
1	12.2	3.80	62	10	21	196	249	7.16	473.16	1798
2	8.4	4.60	251	10	6	175	203	5.14	389.14	1790
3	3.8	0.60	258	12	6	155	187	4.25	352.25	211
4	3.2	0.30	277	12	3	190	193	3.03	389.03	117
5	2.9	0.16	265	14	6	371	375	7.65	759.65	122
65	2.74	0.30			10	310	351	5.76	676.76	203
6	2.44	0.61	246	106	38	670	250		958.00	584
7	1.83	0.31	244	49	17	530	160		707.00	219
8	1.52	0.15	312	11	26	690	261	7.29	984.29	148
62	1.37	0.46			23	707	255	7.77	992.77	457
9	0.91	0.30	260	64	460	590	190		1240.00	372
61	0.61	0.61			3010		192	3.54	3205.54	1955

Average 654 ppb / 12.20 m

Channel C - D

Sample #	Location	Width m	Ni ppm	Cu ppm	Au ppb	Pt ppb	Pd ppb	Rh ppb	Sum PGE+Au	PGE + Au x Width
17	14	0.60	266	12	15	454	494	14.5	977.50	587
18	13.4	0.60	259	11	13	386	326	10.6	735.60	441
19	12.8	0.90	262	11	9	172	231	5.55	417.55	376
20	11.9	1.80	262	12	6	218	228	8.07	460.07	828
24	10.1	0.70	315	10	4	180	201	7.24	392.24	275
25	9.4	0.30	228	10	10	331	422	11.98	774.98	232
26	9.1	0.40	362	17	9	323	396	15.42	743.42	297
27	8.7	0.80	382	18	9	391	481	18.91	899.91	720
28	7.9	3.00	270	12	4	422	532	15.23	973.23	2920
29	4.9	2.16	261	12	10	127	139	3.72	279.72	604
30	2.74	2.44	267	16	26	103	127	3.46	259.46	633
31	0.3	0.30	377	53	78	280	27	5.28	390.28	117

Average 574 ppb / 14.00 m

Table 4 cont'd - Mann Project Channel Sample Assays

Channel E - F

Sample #	Location	Width m	Ni ppm	Cu ppm	Au ppb	Pt ppb	Pd ppb	Rh ppb	Sum PGE+Au	PGE + Au x Width
38	1	1.00			243	192	77	3.93	515.93	516
39	2	1.00			186	299	22	6.02	513.02	513
40	3	1.00			288	178	135	4.03	605.03	605
41	4	1.00			200	177	237	6.21	620.21	620
42	5	1.00			18	178	337	6.91	539.91	540
43	6	1.00			28	241	5	6.78	280.78	281
44	7	1.00			12	117	213	4.5	346.50	347
45	8	1.00			14	297	314	7.86	632.86	633
46	9	1.00			149	547	25	6.22	727.22	727
47	10	1.00			42	92	112	3	249.00	249
48	11	1.00			10	116	112	4.04	242.04	242
49	12	1.00			14	208	242	6.92	470.92	471
50	13	1.00			20	202	331	5.55	558.55	559
51	14	1.00			20	209	367	4.59	600.59	601
52	15	1.00			17	327	430	13.23	787.23	787
53	16	1.00			25	427	506	14.56	972.56	973
54	17	1.00			22	387	565	13.09	987.09	987
55	18	1.00			52	427	601	16.11	1096.11	1096
56	19	1.00			27	388	493	15.54	923.54	924
57	20	1.00			11	291	481	15.33	798.33	798
58	21	1.00			125	197	6	2.7	330.70	331
59	22	1.00			108	148	5	3.02	264.02	264

Average 594 ppb / 22.00 m

DDH 91-1

Sample #	Location	Width m	Ni ppm	Cu ppm	Au ppb	Pt ppb	Pd ppb	Rh ppb	Sum PGE+Au	PGE + Au x Width
106	167.6	0.20			2.6	128	153	1.03	284.63	57
22	167.8	0.40			1	108	101	1.73	211.73	85
107	168.2	0.70			3	98	130	3.18	234.18	164
108	168.9	0.60			3.1	111	170	0.86	284.96	171
109	169.5	0.40			5.2	212	273	0.59	490.79	196
34	169.9	0.40			4	169	183	0.42	356.42	143
110	170.3	0.70			4	191	202	0.45	397.45	278
111	171	0.60			3.1	138	161	0.24	302.34	181
112	171.6	0.60			3	83	137	0.24	223.24	134
113	172.2	0.80			4.4	154	188	0.5	346.90	278
35	173	0.40			2	107	99	0.59	208.59	83
114	173.4	0.60			2.8	86	102	0.39	191.19	115
115	174	0.70			3	128	136	0.66	267.66	187
116	174.7	0.70			1.4	49	63	0.91	114.31	80
117	175.4	0.60			4.4	89	99	1.16	193.56	116
36	176	0.50			3	121	94	1.23	219.23	110
118	176.5	0.60			2.5	112	105	2.24	221.74	133
37	177.1	0.60			5	20	17	10.26	52.26	31
119	177.7	0.60			4.9	474	463	15.64	957.54	575
120	178.3	1.20			2.1	144	103	14.76	263.86	317
121	179.5	0.60			2	5	9	8.3	24.30	15
122	180.1	0.60			1.4	5	10	6.85	23.25	14
123	180.7	0.70			0.9	5	8	8.45	22.35	16
124	181.4	0.70			0.4	5	11	8.68	25.08	18

Average 238 ppb / 10.70 m

crossing. The continuous outcrop exposure consists of peridotite, dunite, pyroxenite and gabbro.

A total 9.225 km of HLEM surveys were completed, with 100 m length cable and 25 m spaced stations. The survey was intended to locate a number of airborne EM anomalies. The HLEM survey identified a significant EM anomaly on the central portion of the grid from L 15+00 E / 13+00 N to L 19+00 E / 11+75 N. The EM anomaly is located coincident with a strong airborne EM anomaly.

A total of 10.225 km of magnetometer surveys were completed, with readings taken at 25 m spaced stations. The survey identified a significant magnetic high horizon, coincident with the HLEM anomaly. Adjacent to mag high feature is a strong magnetic low, which extends for approximately 300 m. A soil survey was planned but due to the extensive clay cover was not completed. Clays are not a good medium for soil surveys.

Leonard Hill OPAP (1999-2000)

In 1999 Leonard Hill applied for and received an OPAP grant ($15,000), from the Ontario Ministry of Northern Development and Mines. Work was extended to the portion of the property not covered by the 1998-1999 OPAP program. A total of 9 km of linecutting was completed at 100 m spaced lines with picket stations established every 25 m. A total 6.275 km of HLEM surveys (1777 Hz, 444 Hz) were completed, with a 100 m length cable and 25 m spaced stations. The survey was intended to locate a number of airborne EM anomalies. The HLEM survey identified a significant EM anomaly at L 10+00 E / 6+25 N extending to L 6+00 E / 9+25 N. The EM anomaly is located along the flank of a moderate to strong magnetic feature. Several weaker single line anomalies were also identified.

A total of 8.15 km of magnetometer surveys were completed, with readings taken at 25 m spaced stations. The survey identified a significant magnetic high

horizon, extending from L 6+00 E through to L 13+00 E in the northern portion of the grid.

A single line IP survey was completed on the southern portion of L 17+00 E, to cover a HLEM/Mag anomaly identified in the 1998-1999 OPAP program. The survey identified two zones of chargeability proximal to the axis of an HLEM anomaly. The first anomaly is centered at L 17+00 E / 12+50 N and consists of a moderate chargeability. The second anomaly is centered at L 17+00 E / 11+25 N, and consists of a strong chargeability with low resistivity. Interpretation suggests this anomaly is a conductive horizon. Results of the 1998 and 1999 OPAP geophysical programs are included in **Figure 7** and **Figure 8**.

A single diamond drill hole MAN-01 (200.25 m) was completed to test the two chargeability zones identified in the IP survey. Massive cumulate textured peridotite, with two narrow sections of leucogabbro was intersected. Although zones of heavy sulphides were not encountered, fine disseminated sulphides were encountered throughout the hole. Re-interpretation of the geophysics in conjunction with the drilling indicates that the dip may be near vertical, and that the hole did not reach the geophysical target. The hole was not completed due to lack of funds. A summary of MAN-01 is included in **Table 5**.

Table 5 – MAN-01 Summary

From – To (metres)	Rock Type
0 – 5.18 m	Casing
5.15 – 100.28 m	Peridotite
100.28 – 104.03 m	Leucogabbro
104.03 – 106.47 m	Peridotite
106.47 – 128.78 m	Leucogabbro
128.78 – 200.25 m	Peridotite
200.25 m	Drilling suspended.

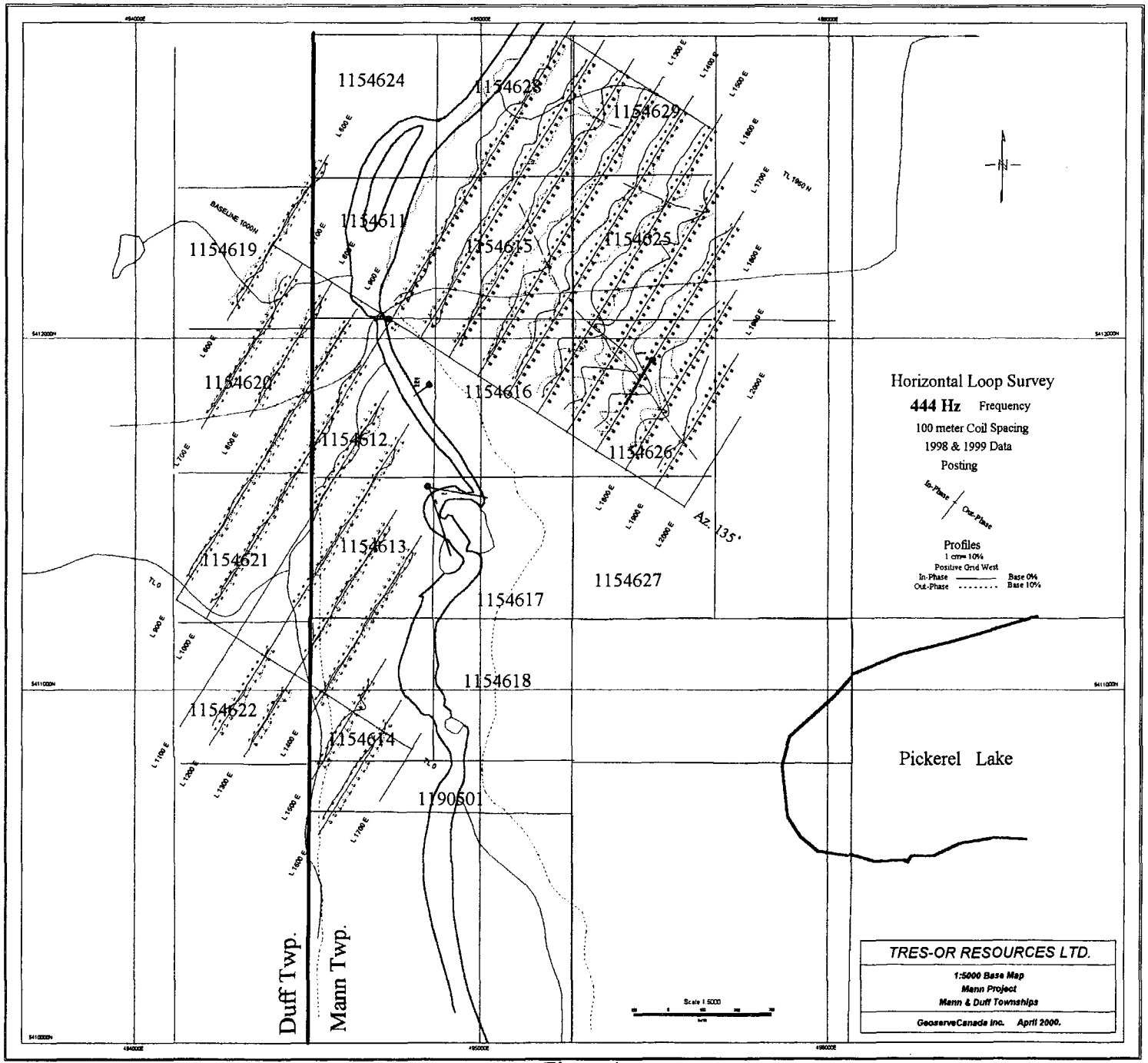

1154624
1154628
1154629
1154611
1154619
1154615
1154625
1154620
1154616
1154612
1154626
1154621
1154613
1154627
1154617
1154618
1154622
1154614
1190501
Duff Twp.
Mann Twp.
Pickerel Lake
Horizontal Loop Survey
444 Hz Frequency
100 meter Coil Spacing
1998 & 1999 Data
Posting
In-Phase
Out-Phase
Profiles
1 cm= 10%
Positive Grid West
In-Phase Base 0%
Out-Phase Base 10%
Az. 135°
TRES-OR RESOURCES LTD.
1:5000 Base Map
Mann Project
Mann & Duff Townships
GeoserveCanada Inc. April 2000.

Figure 7

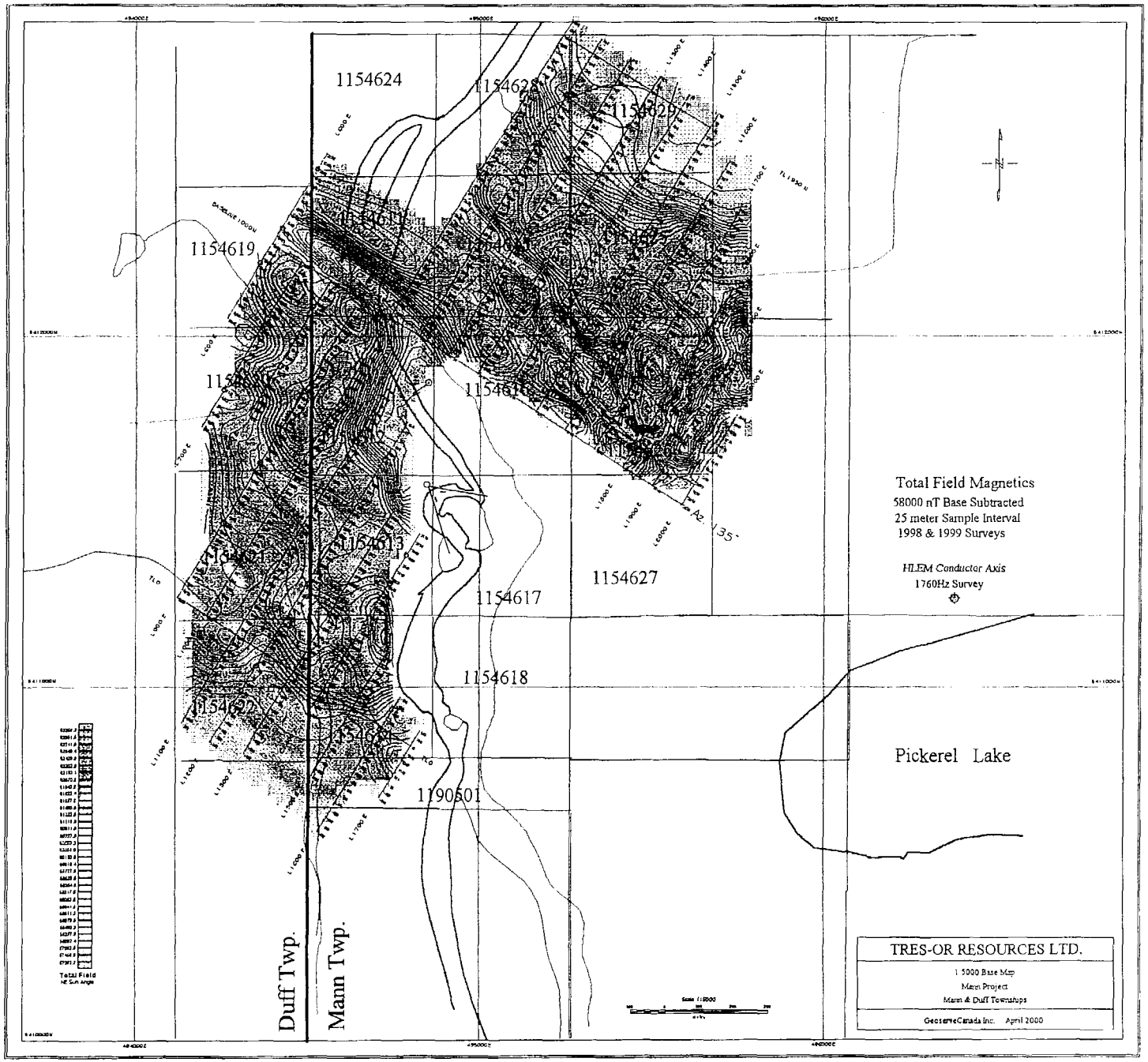

1154624
1154628
1154629
1154619
1154616
1154613
1154627
1154617
1154618
1154622
1190501
Duff Twp.
Mann Twp.
Pickerel Lake
Total Field Magnetics
58000 nT Base Subtracted
25 meter Sample Interval
1998 & 1999 Surveys
HLEM Conductor Axis
1760Hz Survey
Az. 135°
TRES-OR RESOURCES LTD.
1:5000 Base Map
Mann Project
Mann & Duff Townships
GeoserveCanada Inc. April 2000

Figure 8

CONCLUSIONS AND RECOMMENDATIONS

The Mann Project, which consists of 19 claims covering 304 ha, is situated within Mann Township and Duff Township of the Porcupine Mining Division. The claims are situated within the Mann intrusive complex, a large ultramafic intrusion, which extends for 40 km of strike length with a width greater than 1.5 km. Recent studies of the complex have indicated a chemistry similar to that of ultramafic rocks which host the Alexo Ni-Cu sulphide deposit. In addition these same studies have identified significant anomalous PGE over considerable widths in outcrop channel samples and in diamond drill core. This PGE mineralization represents a new exploration target for the complex. An interesting feature of the Mann Complex, in particular the Mann Project, is the PGE are concentrated in a clinopyroxenite unit and are distinguished by only trace sulphides. The clinopyroxene unit is a medium grained adcumulate, between 14-30 m thick and >500 m in length. Mineralization is characterized by: a) Pt+Pd up to 1.1 gm/t with local high Pt/Pd ratios, b) low sulphide content (<0.1% wt.% S), c) low Ni, Cu and Co, and d) PGE minerals intimately associated with chlorite+secondary clinopyroxenite+-spinel alteration of hydrothermal origin. According to Good (1999), "the close spatial association of hydrothermal clinopyroxene ,chlorite, and sulphides plus platinum-group minerals implies a hydrothermal origin for the PGE mineralization. The apparent controls on the transport and deposition of PGE are similar to those of other PGE deposits of hydrothermal origin, such as the platiniferous pipes of the Bushveld Complex."

A two-phase exploration program is recommended to evaluate the Ni-Cu sulphide and PGE potential of the Mann Project. The total estimated cost of the proposed exploration program **$102,321 (Table 6)**.

Phase I of the proposed program includes linecutting, geophysical surveys, geological mapping, core re-logging and assaying of the existing Leonard Hill drill core. This work will help increase the understanding of the PGE

Table 6 - Mann Project Proposed Budget

			Total
Phase I	***Linecutting***		
	10 km @ $325/km	$	3,250
	HLEM Surveys		
	10 km $225/km	$	2,250
	Mag Surveys		
	10 km @ $110/km	$	1,100
	Mapping		
	10 days @$325/day	$	3,250
	Assays		
	50 @ $20/sample	$	1,000
	Equipment Rentals		
	Truck, ATV, etc.	$	1,500
	Supplies		
	Fuel, accomodation,travel	$	2,000
	Data Handling		
	Report-map preparation	$	2,500
	Core Logging		
	Len Hill core already drilled		
	10 days @ $325/day	$	3,250
	Assays from core		
	100 @ $20/sample	$	2,000
	Core Splitter		
	5 days @$150/day	$	750
	Contingency		
	15% sub-total	$	3,428
	Phase I Total	**$**	***26,278***
Phase II	***Diamond Drilling***		
	1,000 metres @ $40/m	$	40,000
	Drill Mob/Demobe		
	Flat rate	$	5,000
	Assays		
	250 @ $20/sample	$	5,000
	Core Logging		
	15 days @ $325/day	$	4,875
	Core Splitter		
	5 days @$150/day	$	750
	Equipment Rentals		
	Truck, ATV, etc.	$	3,500
	Supplies		
	Fuel, accomodation,travel	$	3,500
	Data Handling		
	Report-map preparation	$	3,500
	Contingency		
	15% sub-total	$	9,919
	Phase II Total	**$**	**76,044**
	Phase I & Phase II Total	**$**	**102,321**

mineralization, identify and define the prospective horizon, and follow up on PGE mineralization identified in one core sample (DDH 96-1, 522 ppb PGE and Au over 0.91 m). Sampling was not completed above or below this anomalous result. The total cost of the *Phase I* program is **$26,278**.

Phase II of the proposed program is contingent upon the results of the *Phase I* program. *Phase II* will focus on diamond drill testing (1,000 m) existing known targets from pst geophysical surveys, extending DDH MAN-01 an additional 75 m, and testing targets identified in the *Phase I* program. The total cost of the *Phase II* program is estimated at **$76,044**.

REFERENCES

Barrie, C. T., Corfu, F., Davis, P., MacEachern, D., and Coutts, A., in press. Geochemistry and genesis of Komatiite-basalt hosted magmatic sulphide Mineralization, Dundonald Township, Kidd Munro assemblage, Abitibi subprovince, Canada; Economic Geology, v. 94.

Barrie, C. T., 1999a. Geology of the Mann area; Ontario Geological Survey, Preliminary Map P.3391, scale 1:50,000.

Coad, P.R. 1977. Nickel Sulphide Deposits Associated with Ultramafic Rocks of the Abitibi Belt and Economic Potential of Mafic-Ultramafic Intrusions; Ontario Geological Survey, OFR 5232, 105 p.

Eckstrand, O. R., 1996. Nickel-copper sulphide, in Geology of Canadian mineral Deposit Types. Geological Survey of Canada. Geology of Canada. No. 8. p. 584-605.

Good, D., and Crocket, J. Platinum group enrichment in the Mann Township mafic/ultramafic intrusion, Mann Township, Ontario; Economic Geology Monograph 10.

Good, D., and Crocket, J., and R. L. Barnett. A secondary clinopyroxene-chlorite-spinel assemblage in clinopyroxenite of the Mann Complex, Abitibi Belt, Ontario; an unusual hydrothermal alteration suite. mafic/ultramafic intrusion, Mann Township, Ontario; Economic Geology Monograph 10.

Hunt, D. S., amd Richard, J. A., Mann Township, District of Cochrane; Ontario Geological Survey Preliminary Map P. 755. Scale 1:15,840.

Jackson, S.L., Fyon J.A., The Western Abitibi Subprovince in Ontario; in Geologyof Ontario, Ontario Geological Survey, Special Volume 4 Part 1.

Jensen, L.S., Langford, F.F., Geology and petrogenesis of the Archean Abitibi belt in the Kirkland Lake area, Ontario. Ontario Geological Survey Misc Paper 123.

Ontario Geological Survey, 1988. Airborne electromagnetic and total intensity magnetic Survey, Timmins Area, Mann and Duff Townships O.G.S. Map 81049, 81048.

Pyke, D.R., 1982. Geology of the Timmins Area, Districts of Cochrane; Ontario Geological Survey. GR 219, 141p.

Satterly, J. Mann Township,District of Cochrane. Ontario Department of Mines Map p 14.

CERTIFICATE OF QUALIFICATIONS

I, **Todd Keast**, of 1204 Grace Ave., Porcupine, Ontario, do hereby certify that:

1. I am the author of this report.

2. I am a graduate of the University of Manitoba, Winnipeg, Manitoba, having received an Honors Bachelor of Science (Geology), in 1986.

3. I have practiced in the field of mineral exploration since 1987, for a number of exploration companies throughout Manitoba, Ontario, and Quebec.

4. I am a Fellow of the Geological Association of Canada.

5. I am a member of the Canadian Institute of Mining and Metallurgy.

6. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

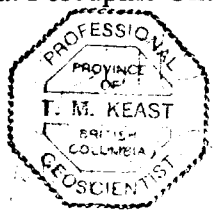
7. I am a Professional Geologist registered with the Association of Professional Engineers and Geologists and Geophysicists of Alberta.

8. I have not received nor do I expect to receive any interest in the Mann Project nor in any projects within ten kilometers of the Mann Project.

9. I do not own nor do I expect to receive, directly or indirectly, any securities in Tres–Or Resources Ltd.

10. I consent to the use of this report by Tres-Or Resources Ltd..

Dated at Porcupine Ontario, May 3, 2000.



Todd Keast, P.Geo.

Appendix I

Mann Project Claim Summaries

Mining Lands - Mining Claims Summary

Porcupine - Division 60

CLAIM NUMBER: P 1154619 (Click Claim Number for Details)
Unit Size: 1
Township/Area: DUFF (G-3234)
Lot Description:
Staker: HILL LEONARD EDWARD (M15767)
Recorded Holder: **HILL LEONARD EDWARD (100.00 %)**
Recording Date: 1990-Jul-19
Due Date: 2000-JUL-19
Work Required: 400
Total Applied: 3200
Work Performed: 0
Total Reserve: 0 (Click Reserve for Details)
Present Work Assignment: 0
Claim Bank: 0
Claim Status: ACTIVE

CLAIM NUMBER: P 1154620 (Click Claim Number for Details)
Unit Size: 1
Township/Area: DUFF (G-3234)
Lot Description:
Staker: HILL LEONARD EDWARD (M15767)
Recorded Holder: **HILL LEONARD EDWARD (100.00 %)**
Recording Date: 1990-Jul-19
Due Date: 2000-JUL-19
Work Required: 400
Total Applied: 3200
Work Performed: 0
Total Reserve: 0 (Click Reserve for Details)
Present Work Assignment: 0
Claim Bank: 0
Claim Status: ACTIVE

CLAIM NUMBER: P 1154621 (Click Claim Number for Details)

Unit Size:	1
Township/Area:	DUFF (G-3234)
Lot Description:	
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2000-JUL-19
Work Required:	400
Total Applied:	3200
Work Performed:	0
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	P 1154622 (Click Claim Number for Details)
Unit Size:	1
Township/Area:	DUFF (G-3234)
Lot Description:	
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2000-JUL-19
Work Required:	400
Total Applied:	3200
Work Performed:	0
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	[redacted] (Click Claim Number for Details)
Unit Size:	16
Township/Area:	[redacted]
Lot Description:	
Staker:	[redacted]
Recorded Holder:	[redacted]
Recording Date:	[redacted]
Due Date:	[redacted]
Work Required:	[redacted]
Total Applied:	[redacted]

Mining Lands - Mining Claims Summary

Porcupine - Division 60

CLAIM NUMBER: P 1154611 (Click Claim Number for Details)
Unit Size: 1
Township/Area: MANN (G-3537)
Lot Description: S.W. 1/4 OF N. 1/2 OF LOT 12 CON 5
Staker: HILL LEONARD EDWARD (M15767)
Recorded Holder: **HILL LEONARD EDWARD (100.00 %)**
Recording Date: 1990-Jul-19
Due Date: 2001-JUL-19
Work Required: 400
Total Applied: 3600
Work Performed: 1418
Total Reserve: 39 (Click Reserve for Details)
Present Work Assignment: 0
Claim Bank: 0
Claim Status: ACTIVE

CLAIM NUMBER: P 1154612 (Click Claim Number for Details)
Unit Size: 1
Township/Area: MANN (G-3537)
Lot Description: N.W. 1/4 OF S. 1/2 OF LOT 12 CON 5
Staker: HILL LEONARD EDWARD (M15767)
Recorded Holder: **HILL LEONARD EDWARD (100.00 %)**
Recording Date: 1990-Jul-19
Due Date: 2001-JUL-19
Work Required: 400
Total Applied: 3600
Work Performed: 5836
Total Reserve: 0 (Click Reserve for Details)
Present Work Assignment: 0
Claim Bank: 0
Claim Status: ACTIVE

CLAIM NUMBER: P 1154613 (Click Claim Number for Details)

Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	S.W. 1/4 OF S. 1/2 OF LOT 12 CON 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2001-JUL-19
Work Required:	400
Total Applied:	3600
Work Performed:	34224
Total Reserve:	**215** (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154614** (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N.W. 1/4 OF N. 1/2 OF LOT 12 CON 4
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2000-JUL-19
Work Required:	400
Total Applied:	3200
Work Performed:	0
Total Reserve:	**0** (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154615** (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	S.E. 1/4 OF N. 1/2 OF LOT 12 CON 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2001-JUL-19
Work Required:	400
Total Applied:	3600

Work Performed:	2177
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	1377
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154616** (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N.E. 1/4 OF S. 1/2 OF LOT 12 CON 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2001-JUL-19
Work Required:	400
Total Applied:	3600
Work Performed:	1881
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	1081
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154617** (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	S.E. 1/4 OF S. 1/2 OF LOT 12 CON 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2001-JUL-19
Work Required:	400
Total Applied:	3600
Work Performed:	11886
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154618** (Click Claim Number for Details)

Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N.E. 1/4 OF N. 1/2 OF LOT 12 CON 4
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Jul-19
Due Date:	2001-JUL-19
Work Required:	400
Total Applied:	3600
Work Performed:	0
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154624** (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N. W. 1/4 of N. 1/2 of L12 Con5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Sep-20
Due Date:	2000-SEP-20
Work Required:	400
Total Applied:	3200
Work Performed:	0
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	**P 1154625** (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	S. W. 1/4 of N. 1/2 of Lot 11 Con 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Sep-20
Due Date:	2000-SEP-20
Work Required:	400
Total Applied:	3200

Work Performed:	2177
Total Reserve:	258 (Click Reserve for Details)
Present Work Assignment:	1519
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	P 1154626 (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N. W. 1/4 of S. 1/2 of Lot 11 Con 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Sep-20
Due Date:	2001-SEP-20
Work Required:	400
Total Applied:	3600
Work Performed:	2406
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	1606
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	P 1154627 (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	S. W. 1/4 of S. 1/2 of Lot 11 Con 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Sep-20
Due Date:	2000-SEP-20
Work Required:	400
Total Applied:	3200
Work Performed:	0
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	0
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	P 1154628 (Click Claim Number for Details)

Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N. E. 1/4 of N. 1/2 of Lot 12 Con 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Sep-20
Due Date:	2000-SEP-20
Work Required:	400
Total Applied:	3200
Work Performed:	687
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	287
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	P 1154629 (Click Claim Number for Details)
Unit Size:	1
Township/Area:	MANN (G-3537)
Lot Description:	N. W. 1/4 of N. 1/2 of Lot 11 Con 5
Staker:	HILL LEONARD EDWARD (M15767)
Recorded Holder:	**HILL LEONARD EDWARD (100.00 %)**
Recording Date:	1990-Sep-20
Due Date:	2000-SEP-20
Work Required:	400
Total Applied:	3200
Work Performed:	1420
Total Reserve:	0 (Click Reserve for Details)
Present Work Assignment:	1020
Claim Bank:	0
Claim Status:	ACTIVE

CLAIM NUMBER:	[redacted]
Unit Size:	2
Township/Area:	[redacted]
Lot Description:	[redacted]
Staker:	[redacted]
Recorded Holder:	[redacted]
Recording Date:	[redacted]
Due Date:	[redacted]
Work Required:	[redacted]
Total Applied:	[redacted]

Work Performed: [redacted]
Total Reserve: [redacted]
Present Work Assignment: 0
Claim Bank: 0
Claim Status: [redacted]

CLAIM NUMBER: [redacted]
Unit Size: 16
Township/Area: MANN (G-3537)
Lot Description: [redacted]
Staker: [redacted]
Recorded Holder: [redacted]
Recording Date: [redacted]
Due Date: [redacted]
Work Required: 6400
Total Applied: 12800
Work Performed: 1551
Total Reserve: 1551 (Click Reserve for Details)
Present Work Assignment: 0
Claim Bank: 0
Claim Status: ACTIVE

CLAIM NUMBER: P 1190501 (Click Claim Number for Details)
Unit Size: 1
Township/Area: MANN (G-3537)
Lot Description: N+ OF SE+ & SW+, OF N+ LOT 12 CON 4
Staker: HILL LEONARD EDWARD (M15767)
Recorded Holder: HILL LEONARD EDWARD (100.00 %)
Recording Date: 1992-Jul-28
Due Date: 2001-JUL-28
Work Required: 400
Total Applied: 2800
Work Performed: 0
Total Reserve: 0 (Click Reserve for Details)
Present Work Assignment: 0
Claim Bank: 0
Claim Status: ACTIVE

CLAIM NUMBER: [redacted] (Click Claim Number for Details)

Work Report Summary

Transaction No: W0260.01191 **Status:** APPROVED
Recording Date: 2002-JUL-22 **Work Done from:** 2001-MAR-01
Approval Date: 2003-JAN-07 **to:** 2001-OCT-08

Client(s):

144430 HILL, LEONARD EDWARD

Survey Type(s):

ASSAY DATA GEOL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1154611	$2,922	$3,061	$400	$400	$0	2,661	$2,522	$0	2006-JUL-19
P 1154612	$2,400	$2,539	$400	$400	$0	2,139	$2,000	$0	2006-JUL-19
P 1154613	$400	$400	$400	$400	$0	0	$0	$0	2006-JUL-19
P 1154614	$400	$0	$400	$400	$0	0	$0	$0	2005-JUL-19
P 1154615	$400	$400	$400	$400	$0	0	$0	$0	2006-JUL-19
P 1154616	$400	$400	$400	$400	$0	0	$0	$0	2006-JUL-19
P 1154617	$400	$400	$400	$400	$0	0	$0	$0	2006-JUL-19
P 1154618	$400	$0	$400	$400	$0	0	$0	$0	2006-JUL-19
P 1154619	$400	$0	$400	$400	$0	0	$0	$0	2005-JUL-19
P 1154620	$400	$0	$400	$400	$0	0	$0	$0	2005-JUL-19
P 1154621	$400	$0	$400	$400	$0	0	$0	$0	2005-JUL-19
P 1154622	$400	$0	$400	$400	$0	0	$0	$0	2005-JUL-19
P 1154624	$400	$0	$400	$400	$0	0	$0	$0	2005-SEP-20
P 1154625	$400	$0	$400	$400	$0	0	$0	$0	2005-SEP-20
P 1154626	$400	$400	$400	$400	$0	0	$0	$0	2006-SEP-20
P 1154627	$400	$0	$400	$400	$0	0	$0	$0	2005-SEP-20
P 1154628	$400	$0	$400	$400	$0	0	$0	$0	2005-SEP-20
P 1154629	$400	$0	$400	$400	$0	0	$0	$0	2005-SEP-20
P 1190501	$400	$0	$400	$400	$0	0	$0	$0	2006-JUL-28
	$12,122	$7,600	$7,600	$7,600	$0	$4,800	$4,522	$0	

External Credits: $0

Reserve:

$0 Reserve of Work Report#: W0260.01191

$0 Total Remaining

Status of claim is based on information currently on record.

42A14SE2016 2.23925 MANN

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Date: 2003-JAN-10

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

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

LEONARD EDWARD HILL
122 HELEN AVENUE
P.O. BOX 1022
SOUTH PORCUPINE, ONTARIO
P0N 1H0 CANADA

Submission Number: 2.23925
Transaction Number(s): W0260.01191

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.

The value of work for this submission has been reduced to $7600.00 to reflect the information contained in the report and maps.

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,

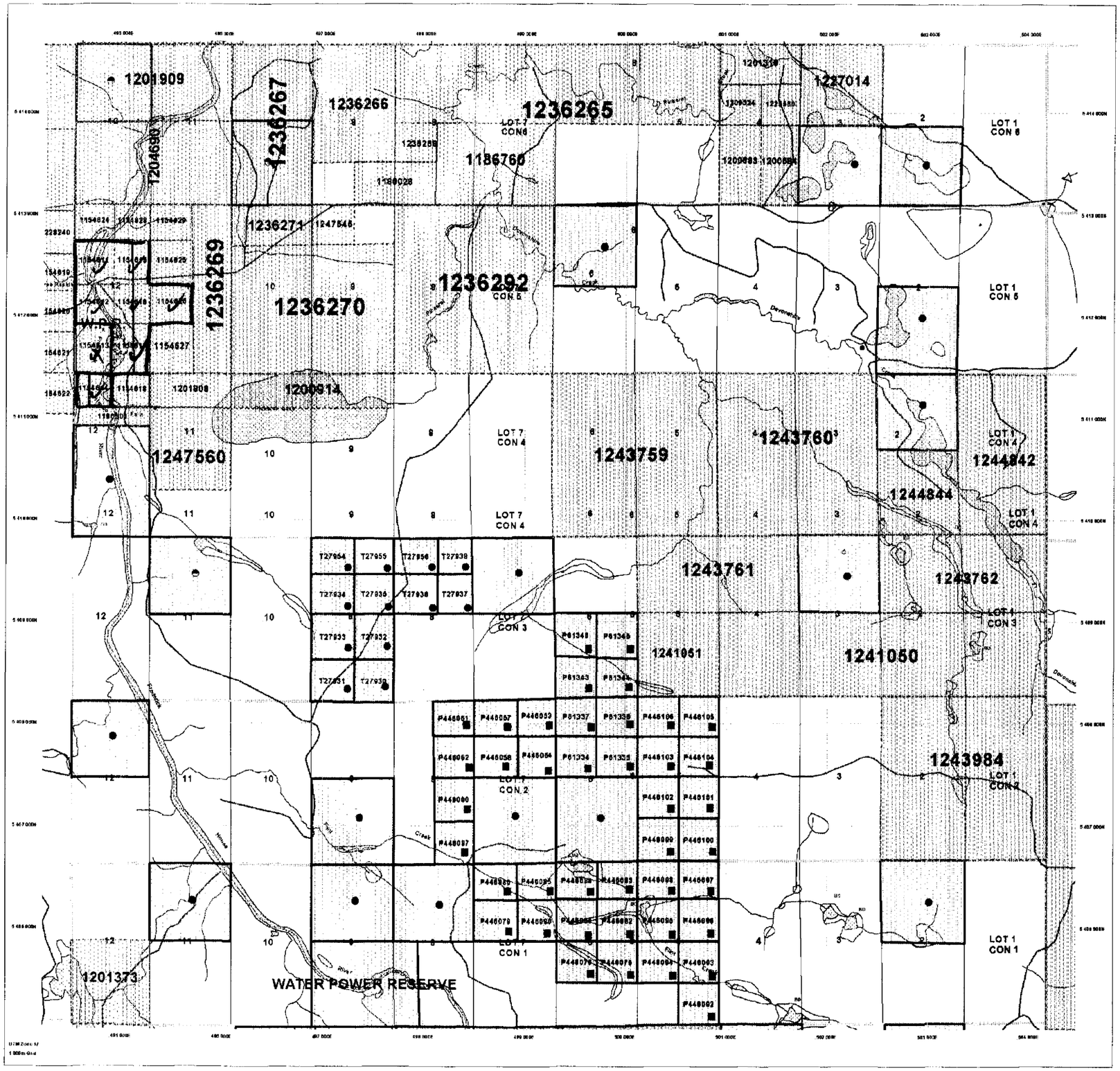
Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Leonard Edward Hill
(Claim Holder)

Assessment File Library

Leonard Edward Hill
(Assessment Office)



MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

MINING LAND TENURE MAP

Date / Time of Issue	Nov 28 2002	13:28h Eastern

TOWNSHIP / AREA MANN

PLAN G-3537

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Porcupine
Land Titles/Registry Division	COCHRANE
Ministry of Natural Resources District	COCHRANE

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit and Pile
- Contour
- Contour - Approx., Auxiliary, Depression
- Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Monument - Cadastral, Historical, Horiz. Control

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
- Water Power Lease Agreement

Mining Claim

LAND TENURE WITHDRAWALS

Areas Withdrawn from Disposition

Mining Act 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

IMPORTANT NOTICES

0 m 1000.0 m

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
2037	Wsm	Jan 1 2001	AREA RESERVED TO ONTARIO HYDRO FOR WATER POWER PURPOSES
W-01/01	Wsm	Jan 1 1991	SURFACE RIGHTS WITHDRAWN UNDER SECTION 36 OF THE MINING ACT, R.S.O. 1990 ORDER W-01/01/ONT

IMPORTANT NOTICES

Areas under which special regulations, limitations or conditions exist that affect normal prospecting, staking and mineral development activities.

2.23925

GEOL
ASSAYS
DATA.

200

42A14SE2016 2.23925 MANN

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 Lands 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	Toll Free
Willet Green Miller Centre	Tel. 1 (888) 415-9845
933 Ramsey Lake Road	Fax. 1 (877) 670-1444
Sudbury, ON P3E 6B5	

Home Page: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

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.

Mann Property

Drill Hole & Sampling Plan

LEGEND

7220 rock sample (2001)

drill hole (1973-2000)

42A14SE2016 2.23925 MANN 210

200 metres

BROADLANDS RESOURCES LTD.
TRES-OR RESOURCES LTD.

Mann Property
Porcupine M.D., Ontario, Canada

Drill Hole & Sample Location Plan

Scale: 1 : 5,000	Coords: UTM (NAD83)	Figure: 7
Date: November 2001	By: d.s.d./a.g.b.	