DIAMOND DRILLING & GEOPHYSICAL REPORT

ON THE

Filo/Jones FRIPP TWP

BASE METAL

PROSPECT

FOR THE

ONTARIO PROSPECTOR ASSISTANCE PROGRAM (OPAP)

&

ASSESSMENT REPORTING

By: J.K. Filo H/BSc Geology

May 9, 1994

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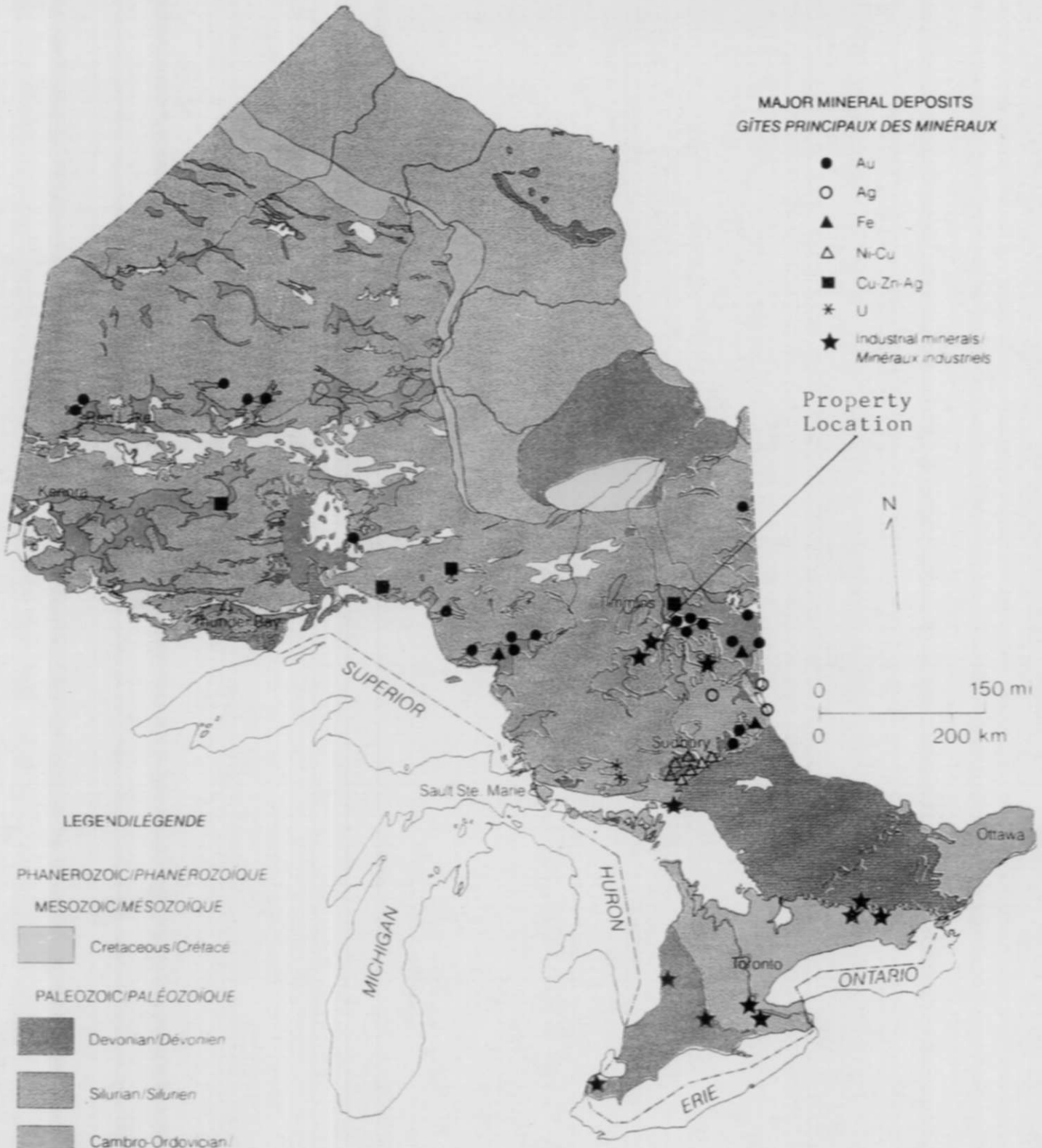


General Location
Map Fig. #1

INTRODUCTION

During the winter of 1993 this author was awarded an OPAP grant to evaluate a base metal prospect in Fripp Twp. southwest of Timmins, Ontario. This report will discuss the project in detail and make recommendations for further work. The report will be formatted such that it meets both OPAP & Ontario Assessment reporting requirements.

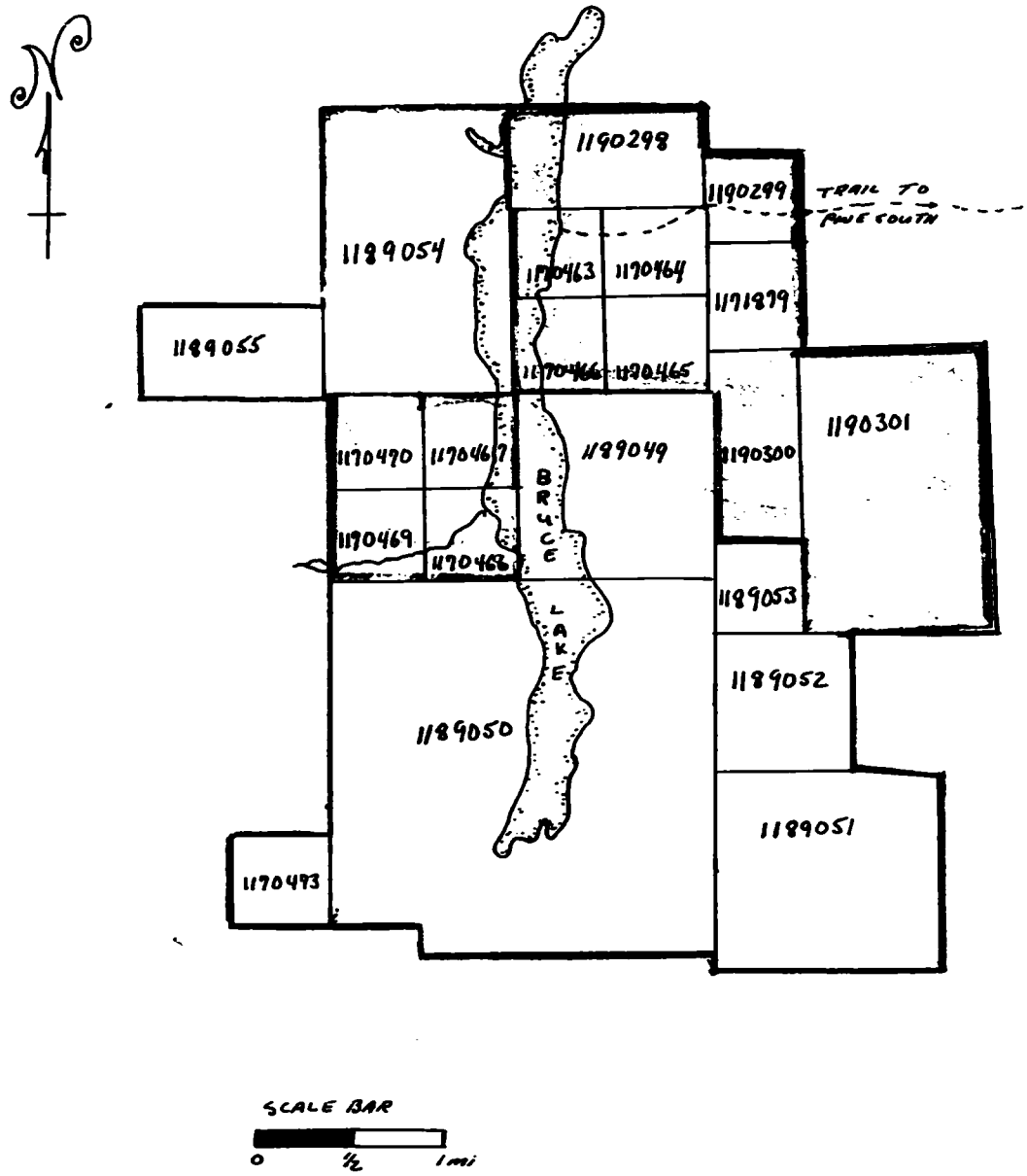
PROSPECT; LOCATION & ACCESS:

Initially, the Fripp Twp. Prospect consisted of 20 claims and 59 units; however, this land position could not be maintained and efforts were concentrated on the most prospective areas. The present block of claims consists of 12 claims and 19 units. The original block and current block are shown in red and green, respectively. (Fig #2)

The access to the property is attained by driving along Pine, south from Timmins, Ontario for about 25km. From this point access to the main portion of the property is via an old lumber road heading due west for 7.5km. to the east shore of Bruce Lake. It should be noted that access with heavy equipment in summer would be next to impossible without extensive work, because of two large cedar swamps.

PROPERTY HISTORY

The entire Fripp Prospect was held by Hollinger Consolidated Mines in the 1960's and 1970's. Hollinger carried out extensive mapping, ground geophysics and some drilling. The drilling was oriented mainly to test ground EM anomalies, and showings such as Cu-Ni showing presently located on the current Fripp claim 1170463, and the Cu



CLAIM LOCATION MAP

i) ORIGINAL BLOCK ——

ii) CURRENT BLOCK ●

F16 #2

prospect on claim 1170466. Hollinger exploration efforts in this general area culminated with the discovery of a small copper deposit just southeast of the current subject property. According to current estimates, this deposit contains 144,228 tons of 1.66% Cu (Falconbridge Assess File 3482) After a substantial exploration effort on this Cu deposit, Hollinger's interest began to subside and they eventually were left with five patents covering the small deposit.

In the 1970's a company called on Consolidated Tache (Assess. File T-1592) acquired a substantial land position in the vicinity of the original Hollinger Ni occurrence, currently on claim 1170463 (Fig #4). Cons. Tache carried out an induced polarization survey and detected a number of large I.P. anomalies. There geophysicist recommended drilling these zones to evaluate them for Ni-Cu sulphides. For one reason or another, despite a positive recommendation, this did not get done.

After Cons. Tache let their ground lapse, the area once again became interesting after a new government airborne completed in 1990, and the ground was acquired by Filo & Jones in 1990.

DISCUSSION OF PROGRAM

i) Background Information

Initially the winter work program on the Fripp prospect was oriented to further evaluate a disseminated Cu zone in a Hollinger drill hole and a Cu showing near the mouth of a creek entering Bruce Lake on claim 1170466. (Fig #4)

A recent report (assess file 3482) by Falconbridge suggested the area in and

around the old Hollinger Cu deposit may have potential for porphyry or disseminated Cu deposits. Thus, this author thought that a similar concept may be applicable to the Cu occurrences on claim 1170466. It was thought that the best way to initially evaluate such mineralization was to use an induced polarization survey. This is a classic geophysical type survey used to search for such deposits.

Unfortunately, the survey was not successful and the results will be discussed in more detail in the following sections. Efforts were reorienated to evaluate a known I.P. anomaly proximal to a nickel copper occurrence (Fig #4) and drilling was initiated on this target instead. Details on results of this work are presented in more detail in the following paragraphs as well.

ii) Geophysical Results

An induced polarization survey was carried out on GRID "B" with east west oriented grid lines as showin in Fig #4. The purpose of this survey was to examine the response and possible extent of known disseminated Cu mineralization in old Hollinger drill hole (Fig #4) and a small showing on the same claim adjacent to the mouth of the creek going into Bruce Lake.

A good response was expected on line 1+50 south which supposedly ran directly over the mineralization in the Hollinger hole. However, there was no significant chargeability response or resistivity low typical of such mineralization. There are two possible explanations for these results,

a) The Hollinger hole is misplotted and the I.P. line missed and thus no response.

b) The mineralization is oriented in an odd geometric orientation such that it was not picked up. Hollinger's follow-up drilling on this zone suggested it did not strike east-west, thus east-west lines were run on this survey to intercept a possible north-south oriented body.

It is this author's opinion that there was enough mineralization in this hole that the I.P. survey should have responded. A review of the log in appendix four (4) may be made to verify this. The subsurface expression of this zone may be small and perhaps more detailed I.P. will be required to outline it. No response of significance was picked up on line zero over a small Cu showing by the mouth of the creek on the same claim (1170466), shown in Fig #4.

A more detailed account of the recent geophysical results in this vicinity including profiles are documented in a short report by J. Grant (Appendix 3).

iii) Drill Hole Results

As a result of the poor response from geophysical surveys over the copper zone on claim 1170466, attention was diverted to another target area.

The second target area consisted of a strong I.P anomaly with a proximal nickel/copper occurrence within a favourable geological environment for hosting nickel/copper deposits. The I.P. target was developed by Cons. Tache Mines and never drilled. A contoured plan view taken from the Cons. Tache Mine data is shown in Fig #4, along with its relationship to the current land holdings and new grid. The best I.P. response from profiles was on Cons. Tache Line 5 south. The detailed pseudo section for this line is shown in the accompanying Fig 3.

Considering the strongest I.P. anomaly was on Line 5 south, a hole was laid out

to evaluate the strongest part of the very broad anomaly for its mineral potential. The exact location of the collar and the relationship of the anomaly to the drill hole is shown on the drill section, Fig 5.

Drill hole FJ-94-1 was drilled to a depth of 52.2m. This hole should have went to 120m to fully evaluate the strongest section of the anomaly. Unfortunately, blocky caving ground was encountered very early in the hole and the hole could not be completed. The first portion of the hole contained 1-2% disseminated fine sulphides with minor magnetite from 3.25m to 41.6m within a gabbro/diorite unit. This mineralization corresponds well to the broad weaker section of the I.P. anomaly. At 41.6m the hole intersected the strongest part of the I.P. anomaly; this was reflected by a strongly magnetic talc chlorite altered ultramafic volcanic. It is possible that the cause of this anomaly may have been the magnetite in the ultramafic, but to be sure this hole would have to have been drilled through the entire anomaly.

Every piece of core in this hole was assayed for Au, Pt and Pd and a suite of 28 elements including Ni, Cu and Co. No significant economic precious metals values were detected in the drilling. The best platinum value was 21ppb and the best palladium value 22ppb. Gold values were extremely low as well the best value being 6ppb. The platinum and palladiam values that were slightly elevated including the ones mentioned above were obtained within the ultramafic sequence in the latter part of the hole from 41.6 to 52.2m.

Also, at the start of the ultramafic sequence at 41.6, there is a distinct rise in chrome values typical of an ultramafic, up to 1393ppm. Nickel values although sub-

economic increase as well from 180ppm initially to over 1000ppm in the last couple of samples in the bottom of the hole. The multi-element analysis only gives Mg% and not MgO for the sample. However, it can be seen that the Mg% is increasing with the increase in nickel values, suggesting that the unit is likely becoming more enriched in MgO. This is a favourable situation as it is known that ultramafic volcanics enriched in MgO are favourable hosts for nickel sulphide deposits.

No significant cobalt values were obtained in the drilling. A review of the other elements obtained are documented within appendix II.

CONCLUSIONS AND RECOMMENDATIONS

The induced polarization survey over the copper zone on the west side of the Bruce Lake was not successful in delineating a geophysical response that suggested further drilling was merited. There is a remote possibility that the hole was misplotted originally from old Hollinger data and the survey missed the zone of interest and/or the subsurface expression of the zone is very small. Thus, further geophysics on closer spaced lines may be necessary to define this zone. This author believes it is indeed present and it has been missed by this preliminary round of geophysics.

The drill hole FJ-94-1 did not fully evaluate the I.P. anomaly. Encouraging although only anomalous results were obtained in the final few metres of this hole. Consequently, this target should be redrilled to test the zone properly.

More formal recommendations for this property are listed as follows:

i) If at all possible, relocate the actual Hollinger collar for FP5-4-71 and to examine its location relative to the current geophysical lines. Assess if

further I.P. would be useful here. If a casing is available, perhaps a mis à la masse down-hole survey might be considered.

ii) Redrill hole FJ-94-1 to properly evaluate the conductor and plan on cenenting the hole to keep it open or start with larger size core NQ.

Respectfully Submitted

J.K. Filo HBSc. P.GEO.

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BIBLIOGRAPHY

Assessment Files

a) Cons. Tache Assessment File T-1592
b) Hollinger Mines Assessment File T-702
c) Falconbridge Exploration File T-3482

CERTIFICATE

I, J. Kevin Filo of 535 Bartleman Street, Timmins, Ontario, do hereby certify that:

i) I personally carried out and or supervised the work on the Filo & Jones Fripp Twp. Prospect, and wrote the work report.

ii) I am a graduate geologist and hold my Honours BSc in Geology from Laurentian University, Sudbury, Ontario.

iii) I have been employed a both a mine geologist and exploration geologist continually since graduation in 1980. I have worked for numerous exploration and mining companies including, Texasgulf Exploration Inc., Amax Potash, Cominco (Pine Point Mines), Pamour Porcupine Mines, and Nerco Con Mines. I have also worked across North America and overseas with Northgate Exploration and Freeport MacMoran.

iv) I am a member in good standing with the Association of Professional Engineers & Geologists of B.C.

J.K. Filo HBSc., P.Geo

APPENDIX I

DRILL LOGS BY FILO

APPENDIX 2

ASSAY RESULTS

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50057

Certificate of Analysis

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April 22 94

Work Order # : 940019
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	Platinum ppb	Palladium ppb	
932090	1551	<5	<0.001	<15	15	
932091	1552	<5	<0.001	<15	12	
932092	1553	<5	<0.001	<15	<10	
932093	1554	<5	<0.001	<15	<10	
932094	1555	<5	<0.001	<15	<10	
932095	1556	<5	<0.001	16	<10	
932096	1557	<5	<0.001	<15	<10	
932097	1558	<5	<0.001	<15	<10	
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932117	1578	<5	<0.001	<15	<10	
932117	1578	<5	<0.001	<15	<10	Check

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Dr. G. Duncan
CHEMIST

LF-30

Per: G. Duncan

ORIGINAL

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April 22 94

Work Order # : 940019
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	Platinum ppb	Palladium ppb	
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932137	1598	<5	<0.001	<15	<10	Check

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Work Order #: *940019A*
Date Received: *April 18, 1994*

ICAP	ppm Ag	% Al	ppm As	ppm Au	ppm Ba	ppm Be
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1573	0.1	1.44	19	<3	60	<1
1574	0.1	1.36	16	<3	55	<1

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Work Order #: 940019A
Date Received: April 18, 1994

ICAP	ppm Ag	% Al	ppm As	ppm Au	ppm Ba	ppm Be
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1597	0.2	1.88	12	<3	35	<1
1598	0.1	1.81	22	<3	31	<1

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Work Order #: *940019A*
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ICAP	ppm Bi	% Ca	ppm Cd	ppm Co	ppm Cr	ppm Cu
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1573	<3	1.02	1	26	120	138
1574	<3	0.86	1	23	91	141

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Work Order #: *940019A*
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ICAP	ppm Bi	% Ca	ppm Cd	ppm Co	ppm Cr	ppm Cu
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1580	<3	0.96	1	31	94	131
1581	<3	1.00	1	35	117	147
1582	<3	1.03	1	34	100	127
1583	<3	1.10	1	38	99	138
1584	<3	1.02	1	34	80	138
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1586	<3	1.08	1	38	86	134
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1596	<3	0.47	1	59	705	2
1597	7	0.38	1	78	875	<1
1598	<3	0.91	1	61	689	11

Per:

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Page 5
May 3, 1994

Work Order #: 940019A
Date Received: April 18, 1994

ICAP	% Fe	ppm Hg	ppm La	% Mg	ppm Mn	ppm Mo
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1555	5.10	<1	17	1.02	456	3
1556	5.40	<1	15	1.03	593	3
1557	7.17	<1	14	1.53	730	2
1558	5.35	2	15	0.96	456	2
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1560	5.59	<1	14	0.91	296	2
1561	5.49	<1	14	0.76	319	3
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1566	6.16	<1	13	0.83	342	3
1567	4.79	<1	13	1.00	319	3
1568	5.01	<1	12	1.04	342	2
1569	4.57	<1	12	1.03	365	2
1570	4.79	<1	12	1.16	410	3
1571	4.60	<1	12	1.01	365	2
1572	4.84	<1	14	0.89	319	2
1573	4.12	<1	12	0.69	296	1
1574	4.19	<1	11	0.82	342	2

ACCURASSAY LABORATORIES
A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph.D., C.Chem.(Ont.), C.Chem.(U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

50099 # Certificate of Analysis

Mr. Kevin Filo
535 Bartleman Street
TIMMINS, Ontario
P4N 4X2

Page 6
May 3, 1994

Work Order #: 940019A
Date Received: April 18, 1994

ICAP	% Fe	ppm Hg	ppm La	% Mg	ppm Mn	ppm Mo
1575	5.15	<1	14	1.16	365	3
1576	4.82	<1	13	0.95	365	1
1577	4.57	<1	13	0.77	274	2
1578	4.72	<1	13	0.90	319	2
1579	4.53	<1	13	0.85	388	2
1580	4.68	<1	13	0.88	319	3
1581	4.78	<1	13	0.99	456	2
1582	5.14	<1	14	1.12	456	3
1583	5.37	<1	15	1.12	479	3
1584	5.21	<1	15	1.04	456	2
1585	5.48	<1	15	1.20	524	3
1586	5.43	<1	15	1.14	456	4
1587	5.41	2	16	0.96	456	3
1588	5.74	<1	13	1.55	593	3
1589	5.83	<1	11	3.41	912	4
1590	3.68	<1	1	4.60	912	2
1591	3.77	<1	1	4.75	821	2
1592	3.62	<1	1	4.80	707	2
1593	4.88	<1	1	5.72	1026	2
1594	5.09	<1	<1	6.29	981	3
1595	4.50	<1	<1	4.97	958	4
1596	4.81	<1	<1	7.71	1049	1
1597	5.54	<1	<1	10.91	1254	1
1598	4.54	<1	<1	7.92	844	1

Per:

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50100 # Certificate of Analysis

Mr. Kevin Filo
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Page 7
May 3, 1994

Work Order #: 940019A
Date Received: April 18, 1994

ICAP	% Na	ppm Ni	ppm P	ppm Pb	ppm Sb
1551	0.08	30	966	41	2
1552	0.09	29	1070	105	6
1553	0.09	41	989	16	3
1554	0.12	27	946	13	<2
1555	0.10	34	1050	23	<2
1556	0.09	34	893	11	<2
1557	0.07	40	894	14	5
1558	0.09	34	893	15	10
1559	0.07	24	810	15	4
1560	0.10	29	845	13	6
1561	0.11	32	863	21	4
1562	0.10	39	816	19	6
1563	0.11	29	1152	14	4
1564	0.11	26	960	11	4
1565	0.12	37	762	17	<2
1566	0.11	39	816	10	8
1567	0.10	30	920	20	5
1568	0.10	29	828	23	3
1569	0.08	29	701	18	<2
1570	0.07	31	829	18	<2
1571	0.11	32	778	15	<2
1572	0.12	38	929	16	<2
1573	0.13	27	855	13	<2
1574	0.11	30	716	18	<2

Per:

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50101

Certificate of Analysis

Mr. Kevin Filo
535 Bartleman Street
TIMMINS, Ontario
P4N 4X2

May 3, 1994

Work Order #: *940019A*
Date Received: *April 18, 1994*

ICAP	% Na	ppm Ni	ppm P	ppm Pb	ppm Sb
1575	0.12	34	841	26	3
1576	0.12	32	902	9	<2
1577	0.12	26	873	17	2
1578	0.11	29	875	15	<2
1579	0.12	30	847	14	5
1580	0.11	26	893	13	<2
1581	0.12	38	773	15	5
1582	0.10	31	837	17	5
1583	0.12	34	1039	18	6
1584	0.11	29	947	21	8
1585	0.12	31	897	28	6
1586	0.11	29	919	13	8
1587	0.14	31	1003	16	7
1588	0.09	29	814	10	4
1589	0.09	180	816	14	3
1590	0.04	696	212	4	3
1591	0.04	642	394	12	2
1592	0.06	401	197	15	3
1593	0.05	561	154	12	3
1594	0.04	769	172	9	<2
1595	0.06	523	158	12	3
1596	0.05	892	164	10	<2
1597	0.05	1357	143	7	<2
1598	0.04	1007	126	20	<2

Per:

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50102

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TIMMINS, Ontario
P4N 4X2

Page 9
May 3, 1994

Work Order #: 940019A
Date Received: April 18, 1994

ICAP	ppm Sr	% Ti	ppm V	ppm W	ppm Zn
1551	10	0.22	68	2	51
1552	14	0.24	72	2	62
1553	16	0.20	75	7	97
1554	17	0.19	114	2	62
1555	16	0.27	126	8	81
1556	26	0.33	144	5	73
1557	25	0.35	153	6	99
1558	16	0.32	211	3	73
1559	14	0.30	211	<2	46
1560	16	0.24	250	5	54
1561	17	0.25	271	<2	45
1562	17	0.33	327	<2	61
1563	25	0.23	253	4	53
1564	17	0.25	182	3	59
1565	19	0.28	303	<2	53
1566	18	0.27	357	3	59
1567	18	0.25	173	7	55
1568	17	0.24	175	<2	61
1569	14	0.30	156	<2	100
1570	15	0.27	152	3	91
1571	16	0.22	158	<2	70
1572	19	0.20	194	2	63
1573	19	0.19	176	<2	40
1574	16	0.19	170	<2	53

Per:

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President: Dr. GEORGE DUNCAN, M.Sc. Ph. D. C. Chem.(Ont.) C. Chem.(U.K.) M.C.I.C. M.R.S.C. A.R.C.S.

50103 # Certificate of Analysis

Mr. Kevin Filo
535 Bartleman Street
TIMMINS, Ontario
P4N 4X2

May 3, 1994

Work Order #: 940019A
Date Received: April 18, 1994

ICAP	ppm Sr	% Ti	ppm V	ppm W	ppm Zn
1575	19	0.23	191	3	67
1576	19	0.21	196	<2	61
1577	19	0.21	188	<2	50
1578	19	0.22	179	<2	61
1579	19	0.20	172	6	59
1580	19	0.22	174	<2	61
1581	20	0.25	175	6	78
1582	18	0.26	178	5	93
1583	21	0.30	181	9	95
1584	20	0.29	184	5	86
1585	22	0.31	185	7	95
1586	21	0.29	191	10	75
1587	23	0.30	205	5	86
1588	23	0.33	182	7	107
1589	18	0.31	177	7	72
1590	7	0.05	41	5	45
1591	9	0.04	34	12	43
1592	17	0.05	44	10	46
1593	13	0.07	73	11	53
1594	13	0.06	65	9	47
1595	10	0.06	62	8	41
1596	10	0.03	41	2	32
1597	18	0.03	31	4	36
1598	11	0.03	33	7	30

Per: _____

APPENDIX 3

GEOPHYSICAL REPORT

GEOPHYSICAL REPORT
FOR
KEVIN FILO
ON THE
BRUCE LAKE PROPERTY
FRIPP TOWNSHIP
PORCUPINE MINING DIVISION

PREPARED BY: J. C. Grant CET, FGAC
March 1994

TABLE OF CONTENTS

INTRODUCTION

This report will deal with the results of an Induced Polarization, (IP), survey which was completed on 3 lines which were cut due west from the west central shore of Bruce Lake.

Mr. Keven Filo retained the services of Exsics Exploration Limited to complete the survey with the intent of locating a structrual trend suitable for base or precious metal deposition.

LOCATION AND ACCESS

The grid covered by the IP survey is located on the west central shore of Bruce Lake which in turn is situated in the south central section of Fripp Township, Porcupine Mining Division, District of Cochrane.

Access to the property during the survey period was by means of the Pine south road travelling south of the Timmins dump for 25 Km to the junction of a well travelled skidoo trail. This trail runs west southwest to the north end of Bruce Lake. A short skidoo ride south along Bruce Lake will bring one to the grid lines to be surveyed.

PERSONNEL

The field crew directly responsible for collecting all of the field data were as follows:

Richard Mathieu	Timmins, Ontario
Robin Mathieu	Timmins, Ontario
David Clement	Timmins, Ontario
Roland Collins	Timmins, Ontario

All of the work was completed under the supervision of J. C. Grant. The plotting and compilation was completed by P. Gauthier.

GEOPHYSICAL PROGRAM

This program consisted of an IP survey using the EDA IP-4 Receiver and the Scintrex IPC-7 Transmitter system. Specifications for this system can be found as Appendix A of this report.

The following parameters were kept consistant throughout the survey period.

Mode:	-Time Domain IP
Electrode Array:	-Dipole - Dipole
"A" spacing:	-25 meters
N's Read:	-1 - 4
Pulse Time:	-2 seconds on, 2 seconds off
Delay Time:	-500MS
Integration Time:	-420MS
Chargeability Window Plotted:	-#3

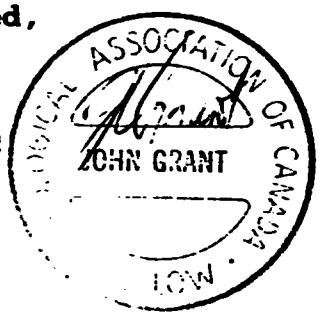
The data collected in the field has been presented in Pseudo section form one for each line read. Plotted values are the apparent resistivity in OHM-meter and the chargeability in milliseconds.

These pseudo sections are included in this report.

SURVEY RESULTS

The IP survey was not successful in locating any structural trends of interest over the 3 lines which were covered.

Respectfully Submitted,



J.C. Grant, CET, FGAC

CERTIFICATE

I, John C. Grant, hereby certify that:

1) I am a graduate geophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury, Campus. I have worked subsequentely as an Exploration Geophysicist for Teck Exploration Limited (5 years), North Bay office, and as Exploration Manager and Geophysicist for Exsics Exploration Limited from 1980 to present.

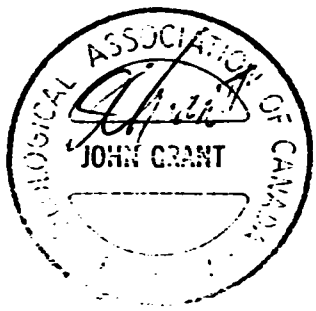
2) I am a Member of the Certified Engineering Technologist Association since 1984.

3) I am a member of the Geological Association of Canada.

4) I have been actively engaged in my profession for the last seveenteen (17) years, including all aspects of exploration studies, surveys and interpretations.

5) I have no specfic or special interest in the described property. I have been retained as a Consulting Geophysicist. for property appraisal.

John Charles Grant, CET, FGAC



APPENDIX A

IP-6
Six Dipole Time Domain IP Receiver

Major Benefits

- Six Dipoles Simultaneously Measured
- Ten Windows Available
- Choice of Arithmetic or Logarithmic Window Width
- Programmable Arithmetic Window Width
- High Input Voltage
- Weighs Only 8.5 kg.
- User Friendly

EDA

Specifications

Dipoles	4 ~~8~~ simultaneous input dipoles.
Input Voltage (Vp) Range	Standard: — 8 volt maximum for each dipole — maximum sum of 12 volts from the second to the sixth dipole. Additional Setting: — attenuation of up to 40 volts on the first dipole.
Input Voltage Protection	Up to 1000 volts.
Vp Resolution	1 microvolt.
Vp Accuracy	0.3% typical; maximum 1% over temperature range.
Chargeability Resolution	1 millivolt/volt for Vp greater than 10 millivolts. 0.1 millivolt/volt for Vp greater than 100 millivolts.
Chargeability Accuracy	0.6% typical; maximum 2% for Vp greater than 10 millivolts over temperature range.
Automatic SP Compensation	±1 volt with linear drift correction up to 1 millivolt/second.
Input Impedance	10 megohm.
Sample Rate	10 milliseconds.
Automatic Stacking	1 to 999 cycles.
Synchronization	Minimum primary voltage level of 40 microvolts.
ection Filters	50 and 60 Hz power line rejection greater than 100 dB.
Grounding Resistance Check	0.1 to 128 kilo-ohms.
Compatible Transmitters	Any time domain waveform transmitter with a pulse duration of 1, 2, 4 or 8 seconds and a crystal timing stability of 100 ppm.
Programmable Parameters	Geometric parameters, time parameter, intensity of current, type of array, line and station number, dipole length, window width and delay time (mode 2).
Display	Two-line, 40-character alphanumeric liquid crystal display protected by an internal heater for low temperature conditions.
Memory Capacity	1800 sets of readings.
RS-232C Serial I/O Interface	300 to 19,200 baud rate; 7 or 8 data bits; 1 or 2 stop bits; odd, even, no parity.
Console Power Supply	Six - 1.5V "D" cell alkaline batteries with auto power save feature; 20 hours of operation at 20°C.
Operating Environmental Range	−40°C to +60°C; 0 to 100% relative humidity; weatherproof.
Weight and Dimensions	8.5 kg. (with batteries), 300 x 200 x 240 mm.
Standard System Complement	Instrument console with carrying strap, batteries, data transfer cable and operations manual.
Displayed Parameters	Primary voltage, partial and total decimalized chargeabilities, running and cumulative average of total chargeabilities (in fixed modes), standard deviation of primary voltage and total chargeability, self potential, number of cycles, dipole being measured and contact resistance.
Available Options	Stainless steel transmitting electrodes, copper sulphate receiving electrodes, alligator clips, bridge leads, multi dipole wire cable, wire spools and software programs.

EDA Instruments Inc.
4 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR
Cable: EDAINSTRMTS TORONTO
Telephone: (416) 425 7800
Fax: (416) 425 8135

In USA
EDA Instruments Inc.
9200 E. Mineral Avenue
Suite 370
Englewood, Colorado, U.S.A. 80112
Telephone: (303) 790 2541
Fax: (303) 790 2902

PRINTED IN CANADA

IPC Time Domain Induced Polarization/ Resistivity Transmitters

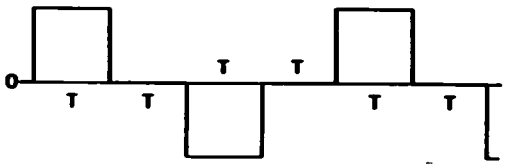
The Scintrex IPC Series of Time Domain Transmitters was designed for operation with the IPR-8, IPR-10 and RDC-8 Receivers. Three models are available, rated at 250W, 2.5kW and 15kW which are designated the IPC-8/250W, IPC-7/2.5kW and IPC-7/15kW respectively. While the IPC-8/250W is powered from internal, rechargeable batteries, the other, more powerful models use motor-generators as power sources.

Since the IPC-8/250W Transmitter is light enough (15.5 kg) to be moved from observation to observation, it can provide a high speed of operation for dipole-dipole and Wenner arrays when a low power source would suffice. It is also ideal for drillhole logging.

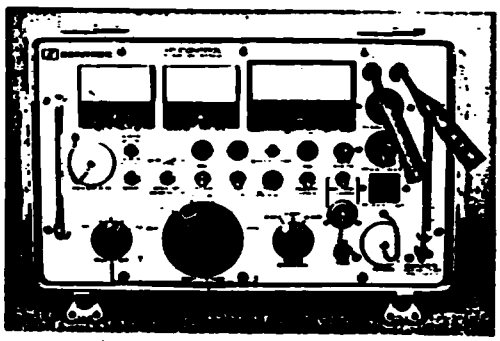
The IPC-7/2.5kW Model is an all purpose, medium power system. It is the standard power transmitter used on most surveys under a wide variety of geophysical, topographical and climatic conditions.

The IPC-7/15kW Unit is ideal for use where high power is required to survey to great depths using large electrode spacings, even in areas of low resistivity or high contact resistance. Normally the motor-generator is installed on a single axle trailer to be towed to each transmitting station.

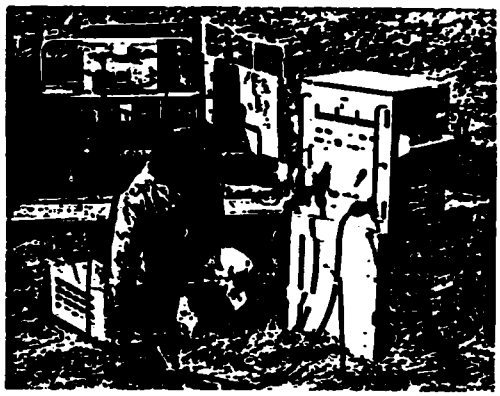
The two higher powered transmitters feature overload and underload protection circuits and other safety features.



Time domain waveform output by IPC Series transmitters. T normally equals 2, 4 or 8 seconds although other timings are available optionally.



IPC-8/250W



Typical IPC-7/15 kW field set-up with motor-generator set, control unit and dummy load.

IPC-7/2.5 kW

Ontario

THE MINING ACT – MINISTRY OF NATURAL RESOURCES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE ▶ HOLE NO. FJ-94-1 | PAGE NO. 1

DRILLING COMPANY: NOREY DRILLING	BQ CORE 1 7/16"	COLLAR ELEVATION: UNKNOWN	BEARING OF HOLE FROM TRUE NORTH: 055°A2	TOTAL FOOTAGE: 52.2m	DIP OF HOLE AT: collar -45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM: SEE FIG#4 FOR SKETCH LOCATION RELATIVE TO GRID A; 105 EAST 70 SOUTH
DATE HOLE STARTED: MARCH 19/94	DATE COMPLETED: MARCH 20/94	DATE LOGGED: APR. 15 94/6	LOGGED BY: J. K FILO			MAP REFERENCE NO.: M304
EXPLORATION CO., OWNER OR OPTIONEE: Kevin F. Filo & D. Jones FRIPP TWP PROSPECT		DATE SUBMITTED: MARCH 9/94	SUBMITTED BY (Signature): [signature]			CLAIM NO.: 1170464
						LOCATION (Tp., Lot, Con. OR Lot. and Long.): FRIPP TWP
						PROPERTY NAME: FRIPP TWP. PROSPECT

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE *	CORE SPECIMEN FOOTAGE +	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS +
0	3.25	CASING								
3.25	41.6	GABBRO ?	- very coarse grained unit, predominantly made up of plagioclase feldspar and black ferro magnesium minerals pyroxene & possibly some amphibales, large 1cm w/d x wide sub-hedral to euhedral green crystals, olivines ?, ferro-mags to plagioclase roughly 50:50, on occassion plagioclase has a pink tinge to it, minor hematitic alteration ?, some quartz, borderline gabbro?		*	1551	3.25	4.00	0.75	NUMEROUS ASSAYS SEE APPENDIX OF REPORT FOR RESULTS
						1552	4	5	1.00	
						1553	5	6	1.00	
						1554	6	7	1.00	
						1555	7	8	1.00	
						1556	8	9	1.00	
						1557	9	10	1.00	
						1558	10	11	1.00	
						1559	11	12	1.00	
						1560	12	13	1.00	
			- @ 3.75 - 4.65 broken zone of rubble, with slip plane (minor gouge) parallel to C.A. fractures in this interval, fairly high angle 15-20° to C.A., note, unit magnetic as well (magnetite)			1561	13	14	1.00	
						1562	14	15	1.00	
						1563	15	16	1.00	
						1564	16	17	1.00	
						1565	17	18	1.00	
			@ 4.65 - 9m ; as per original description, fairly competent for the most part, two fracture sets noted, 1-2 maximum fine disseminated pyrite, trace chalcopyrite ? extremely fine sulphides, fractures swell chlor. one set 15-20° to C.A & 2nd more less @ 45°, st.ll magnetic			1566	18	19	1.00	
						1567	19	20	1.00	
						1568	20	21	1.00	
						1569	21	22	1.00	
						1570	22	23	1.00	
			@ 8m - 11m st.ll pretty much the same as original description, fairly broken up from about 8-9m, distinct slip w/ lb chloritic alteration @ 9m, oriented 5° to C.A., -unusual texture noted @ 9.5, interlocking lathe like crystals of mainly black ferro-mag minerals to 20-30cm, slip at 9.5-10m oriented 5° to C.A, chlorite altering along slip plane -st.ll numerous high angle fractures 15-20° to C.A. interval st.ll magnetic, magnetite -1/2-1% very fine sulphides noted, trace chalco, pyrite							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

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DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE ▶ HOLE NO. FT-94-1 | PAGE NO. 2

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
					~ collar			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		ft		LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft		PROPERTY NAME	
					ft			
					ft			

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE *	CORE SPECIMEN FOOTAGE +	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS +
			~ unusual silver grey sulphide ~ chalcopyrite??							
			-@11m - 17m, as per ORIGINAL description, slightly more competent section, still strongly magnetic, fractures appear at 45-60° to C.A. this section despite fractures is relatively competent -minor slip noted at 14.40m, 15° to C.A., also small slip noted @ 16.2-17 roughly parallel to C.A. with distinct presence of 1-2% fine disseminated sulphide throughout, MAINLY pyrite, trace of chalcopyrite & silver grey sulphide							
			-@17-20m, still as per ORIGINAL description except that from 17-18.6 unit is slightly bleached, fractures & slip planes are covered with a purple secondary alteration mineral in bleached section, both bleached section & unbleached area still strongly MAGNETIC -reasonably competent section as well fractures high angle 15-20° to C.A. minor slip with chlorite, a broken core from 18.1 to 19.5 lower contact 15° to C.A. -still presence of 1-2% very fine sulphide disseminated throughout unit, includes pyrite & some silver grey sulphide							
			-@20-23, very blocky & broken section of unit described ORIGINALLY, fractures high angle @ ~150° to CA, distinct slip with chlorite alteration on slip planes, parallel to C.A @21-22m with associated blue alteration mineral on slip planes							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

Ontario

THE MINING ACT – MINISTRY OF NATURAL RESOURCES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE ▶ HOLE NO. PJ-94-1 | PAGE NO. 3

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
				° collar			
DATE HOLE STARTED / DATE COMPLETED	DATE LOGGED	LOGGED BY		° ft		LOCATION (Tp., Lot, Con. OR Lot. and Long.)	
EXPLORATION CO., OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY (Signature)		° ft		PROPERTY NAME	

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE *	CORE SPECIMEN FOOTAGE +	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS +
[redacted]			@ 23-29, reasonably competent section of gabbroic unit, some fracturing but fairly minimal, two orientations noted one 10-15° to C.A and a 2nd 40-45°			1571	23	24	1.0	NUMEROUS ASSAYS
			-still strongly magnetic, fine sulphides still present but very sparse, perhaps 1/2% maximum disseminated through unit, presence of silver grey lathe like mineral not present as noted			1572	24	25	1.0	SEE APPENDIX
						1573	25	26	1.0	OF REPORT
			@ 29-35, once again reasonably competent gabbroic unit, minor slips @ 30.9-31.25 parallel to C.A. with chlorite alteration, also similarly @ 33.1-34.2			1574	26	27	1.0	FOR RESULTS
			-distinct increase in very fine disseminated sulphides @ 30m, 1-2% pyrite & silver grey sulphide, still strongly magnetic			1575	27	28	1.0	
						1576	28	29	1.0	
						1577	29	30	1.0	
						1578	30	31	1.0	
						1579	31	32	1.0	
						1580	32	33	1.0	
						1581	33	34	1.0	
						1582	34	35	1.0	
						1583	35	36	1.0	
						1584	36	37	1.0	
						1585	37	38	1.0	
						1586	38	39	1.0	
						1587	39	40	1.0	
			-@ 35-41.6 - @ 35 unit starts to become finer grained but compositionally similar, also there is a distinct bleaching, and and increase in matic minerals, still competent but still two fracture sets as described in previous interval			1588	40	41.6	1.6	
						1589	41.6	43.0	1.4	
						1590	43	44	1.0	
						1591	44	45	1.0	
						1592	45	46	1.0	
						1593	46	47	1.0	
						1594	47	48	1.0	
			-sulphides still present, finely disseminated, strongly magnetic, sulphides consist of pyrite & silver grey lathe like mineral content 1-2%,			1595	48	49	1.0	
						1596	49	50	1.0	
			lowest contact along a fracture oriented, 45° to C.A.			1597	50	51	1.0	
						1598	51	52.2	1.2	
41.6		MASSIVE BLACK ULTRAMAFIC	-massive black broken talc chlorite altered, ultramafic volcanic with minor serpentine, strongly magnetic, fine magnetite? -fine grained to aphanitic, some serpentine							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

Ontario

THE MINING ACT – MINISTRY OF NATURAL RESOURCES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE ▶ HOLE NO. FJ94-1 | PAGE NO. 4

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HO. E AT ~ collar ft ft ft ft
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		

LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM

MAP REFERENCE NO. | CLAIM NO.

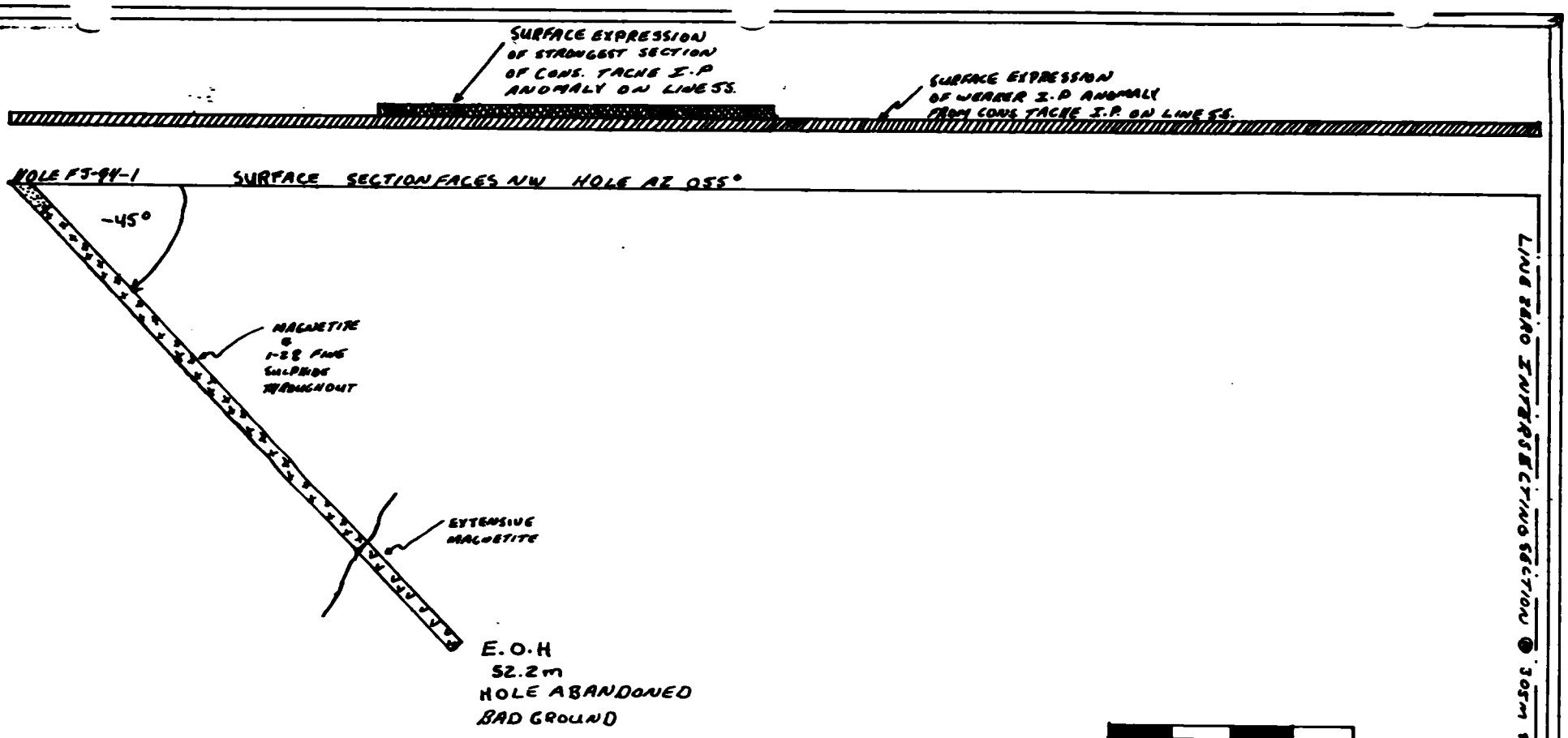
LOCATION (Tp., Lot, Con. OR Lot. and Long.)

PROPERTY NAME

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE *	CORE SPECIMEN FOOTAGE +	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS +
			-sulphides in this last unit practically non existant -minor slip @ 44 parallel to c.a with sphalerites & fractures in this interval 30-45° to c.a generally speaking -note @ 45.65 minor quartz calcite veinlets in tiny spread 5cm-10cm across lineated 20° to c.a.							
			E.O.H. 52.2m							
			HOLE STOPPED PREMATURELY AT 52.2m DUE TO DRILLING PROBLEMS TARGET ZONE CENTRE @ 90-100m. HOLE CUT PORTION OF PERIPHERAL SECTIONS OF E.P. ANOMALY (WEAKER SECTION)							
			*NOTE: CORE AT CORE LIBRARY IN TIMMINS ONTARIO							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.

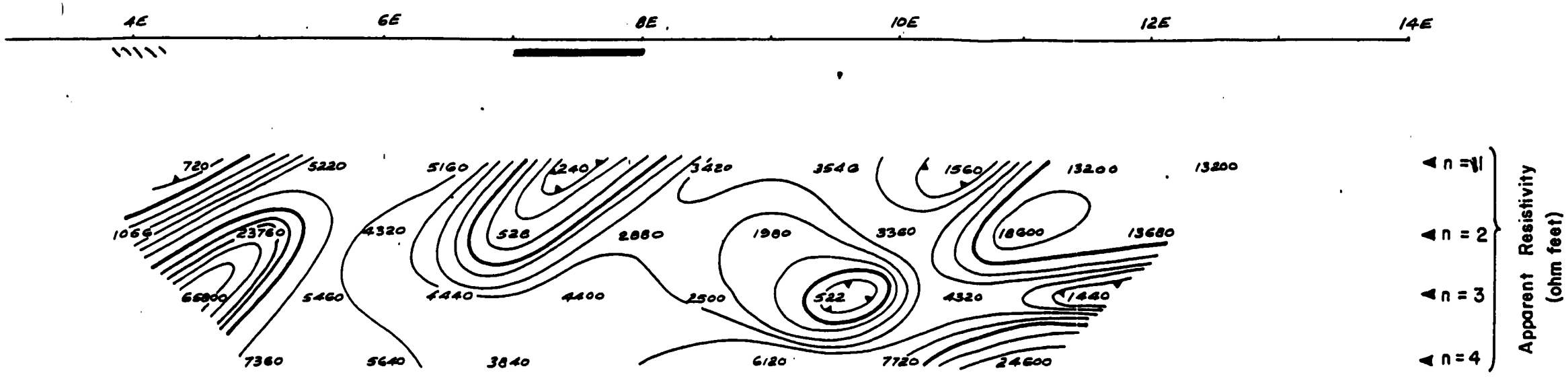

SURFACE EXPRESSION OF STRONGEST SECTION OF CONS. TACHE I.P ANOMALY ON LINE 55.
SURFACE EXPRESSION OF WEAKER I.P ANOMALY FROM CONS TACHE I.P. ON LINE 55.
HOLE FJ-94-1
SURFACE SECTION FACES NW HOLE AZ 055°
-45°
MAGNETITE @ 1-2% FINE SULPHIDE MINERALIZATION
EXTENSIVE MAGNETITE
E.O.H 52.2m HOLE ABANDONED BAD GROUND
LINE 5660 INTERSECTING SECTION @ 305m STATION
0 5 10 15 20 m.
SCALE 1:500
NOTE: ALL DRILLING DONE ON CLAIM 1170464
LEGEND
OVERBURDEN
GABBRO
ULTRAMAFIC VOLCANIC
DRILL HOLE SECTION
FOR FJ-94-1
FRIPP TWP
FIG #5

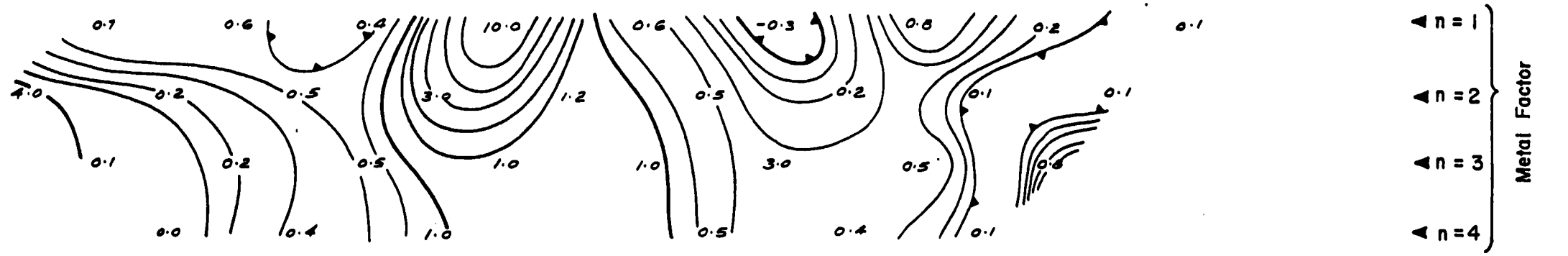
FIG#3 ADAPTED FROM CONS TACHE

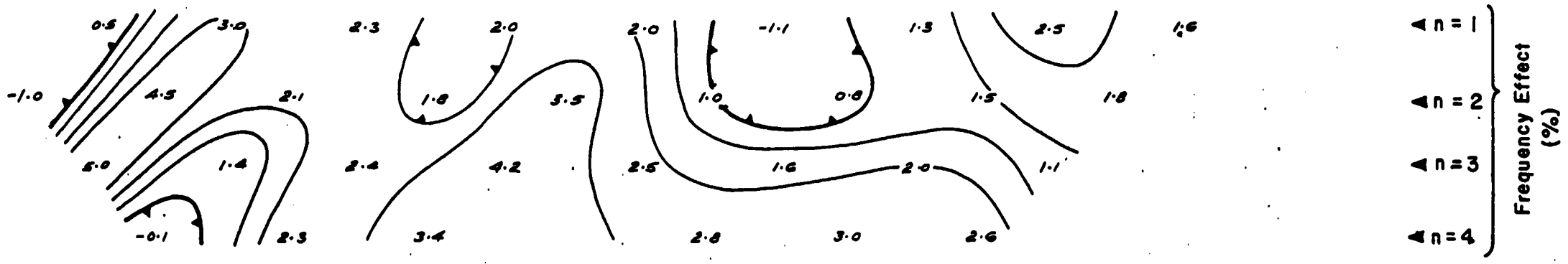
INDUCED POLARIZATION AND RESISTIVITY SURVEY for CONSOLIDATED TACHE MINES & INVESTMENTS LIMITED

FRIPP TOWNSHIP GROUP ONTARIO

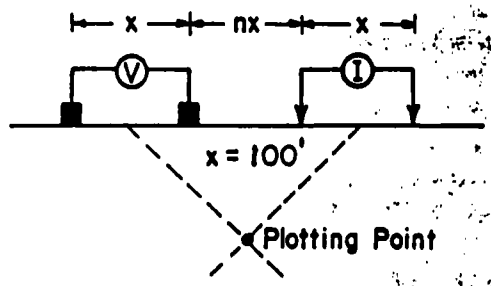
LINE Nº 5S(detail)







ELECTRODE CONFIGURATION

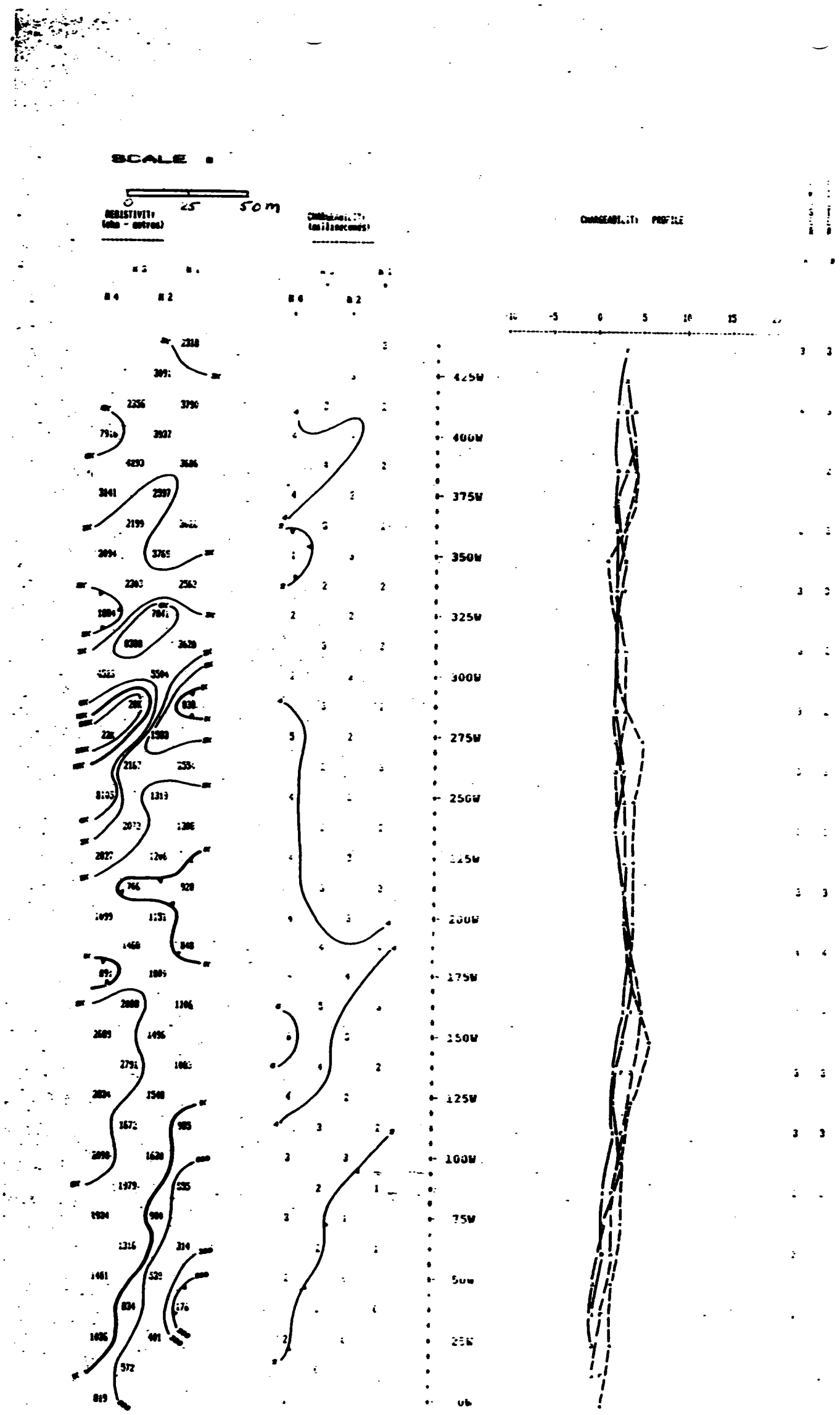


ASSESSMENT WORK

T.1592

SCALE 1" = 100 feet, DATE March 1973

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100



Property : BRUCE LAKE (Fripp Twp.)
Client : KEVIN FILO

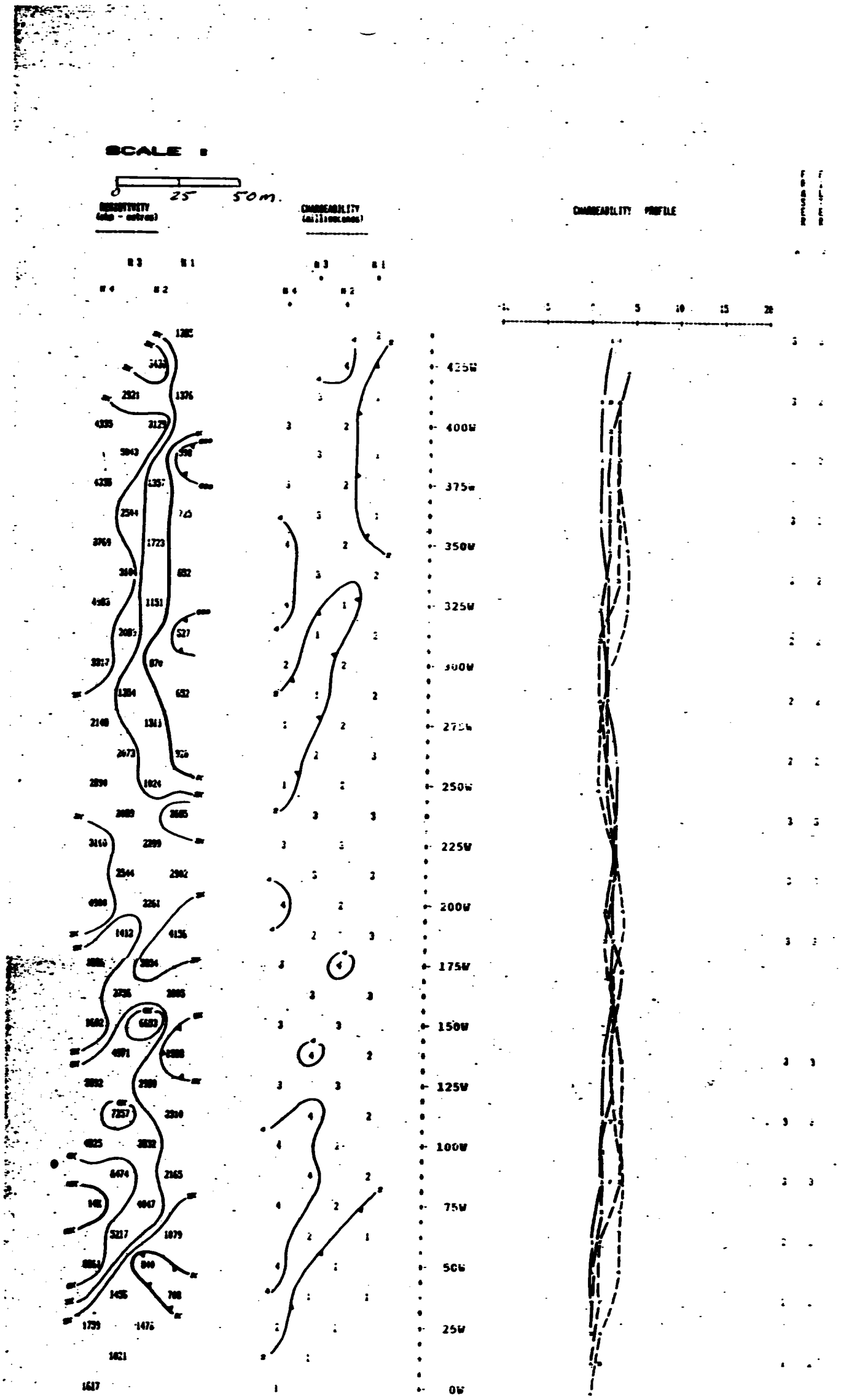
Date of Survey : 7/8/94
Operator : RED
Electrode Array : DIPOLE - DIPOLE
Mode : TIME DOMAIN
Receiver : EDA IP-4
Transmitter : SCINTREX IPC-7
Pulse Time : 2 Sec on 2 Sec off
Chargeability Window Plotted : #3
Delay Time : 500 ms
Integration Time : 420 ms

****
EXSICS EXPLORATION LTD.
****

IP Pseudosections for N = 1 to 4

'a' Spacing = 25 M

LINE 0 S



Property : BRUCE LAKE (Fripp Twp.)
Client : KEVIN FILO

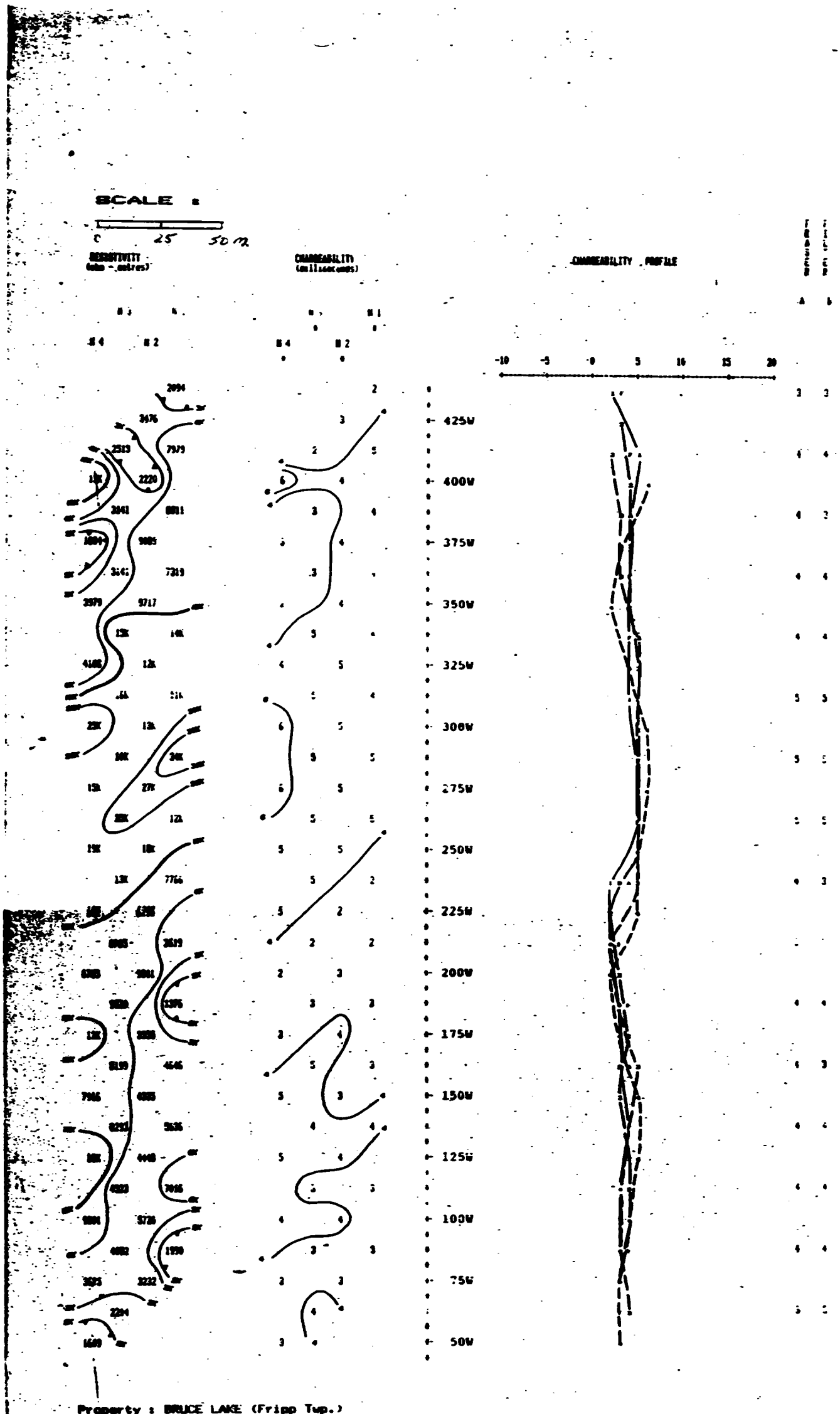
Date of Survey : 1/3/94
Operator : RED
Electrode Array : DIPOLE - DIPOLE
Mode : TIME DOMAIN
Receiver : EDA IP-4
Transmitter : SCINTREX IPC-7
Pulse Time : 2 Sec on 2 Sec off
Chargeability Window Plotted : #3
Delay Time : 300 ms
Integration Time : 420 ms

****
EXSICS EXPLORATION LTD.
****

IP Pseudosections for N = 1 to 4

'a' Spacing = 25 M

LINE 150 S



Property : BRUCE LAKE (Fripp Twp.)
Client : KEVIN FILD

Date of Survey : 1/3/94
Operator : RED
Electrode Array : DIPOLE - DIPOLE
Mode : TIME DOMAIN
Receiver : EDA IP-4
Transmitter : SCINTREX IPC-7
Pulse Time : 2 Sec on 2 Sec off
Chargeability Window Plotted : 83
Delay Time : 500 ms
Integration Time : 420 ms

****
EXSICS EXPLORATION LTD.
****

IP Pseudosections for N = 1 to 4

'a' Spacing = 25 M

LINE 300 S

APPENDIX 4

OLD HOLLINGER LOG

Location of Collar from #3 of P-278732 East 560'
FORM S22 1 + 25 N North 180'
NORTH 2 + 00 W
EAST Surface
ELEV. Grid South - 180°
AZIM. Collar @ 50° @ 200' - 46°
DIP

DIAMOND DRILL REPORT

PROPERTY FRIPP #5 - BRUCE LAKE
Claim P-P-278732 Fripp Township

HOLE NO. FP5-4-71
COMMENCED November 2, 1971
FINISHED November 4, 1971
PURPOSE OF HOLE Test extension of showing.
Drilled by Bradley Bros.

FROM	TO	DESCRIPTION
0	10	Casing. Casing left in the hole.
10	277.4	Diorite - coarse grained generally - with coarse feldspars, some hornblende or amphibole, quartz and a lot of chlorite in the matrix. The feldspars are usually white but some iron staining has coloured numerous feldspars pinkish. There are some small quartz-carbonates stringers cutting the diorite - some chlorite in the stringers as well. Very rarely is any mineralization seen in the coarse diorites - speck of po @ 33. 73-73.6 small siliceous pinkish inclusion 70-78.8 inclusion or acidic dyke - differentiate - contacts broken but rather regular @ 60° to core axis - no chilling - inclusion is siliceous locally pinkish zones and locally some black specks - minor epidote along hairline stringers - some pyrite - usually associated with the epidote. 78.8-82.5 coarse diorite. 82.5-83.3 small ultrabasic dyke? contacts are chilled and brecciated - somewhat normal to the core axis largely CO_3 - some epidote alteration - non-magnetic no mineralization.

CORE SAMPLES					DESCRIPTION OF SAMPLE
FROM	TO	RECOV.	WIDTH	ASSAY	
					#s by CPG
					for Cu, Zn, Ni, Pb
159	164		5		mostly coarse diorite-magnetic locally - no min.
164	169		5		mostly fine diorite minor py, mgt, cp, hem.
169	174		5		coarse minor cp mgt hem
174	179		5		coarse minor cp mgt hem
179	184	(183)	5		coarse minor cp hem
184	189		5		coarse " cp
189	194		5		fine " cp
194	199		5		fine " cp
199	204		5		fine " cp
204	209		5		fine " cp
209	214		5		fine very little cp py
214	219		5		fine very little cp
219	224		5		fine very little cp
224	229	(222)	5		fine w. qtz minor cp
229	234		5		coarser w. qtz minor cp
234	239	(232)	5		contact minor cp

ASSESSMENT WORK
T-702

FORM S22
NORTH
EAST.
ELEV.
AZIM.
DIP

DIAMOND DRILL REPORT

HOLE NO. FP5-4-71
COMMENCED
FINISHED
PURPOSE OF HOLE

PROPERTY FRIPP GROUP - BRUCE LAKE
Fripp Township

FROM	TO	DESCRIPTION
		89.3-91.7 coarse diorite, very minor py.
		91.7-102.2 finer grained differentiate - usually has a finer dioritic texture, can become very siliceous locally, some epidote, contacts @ 45° to core axis.
		102.2-116.3 coarse grained diorite.
		116.3-137 differentiate - contacts are gradational and there are gradations into short zones of coarser diorite in this sec
		137-157.8 back into coarse grained diorite - rock becomes more highly altered around
		150, 156.8 some specks cp in coarse graine diorite.
		157.8-230.5 start of a zone of differentia local coarse sections. These are the boundaries of the copper zone. The chalcopyrit is usually associated with quartz-CO_3 strs There is some minor disseminated pyrite. Locally there is magnetite in both the coar and fine grained sections - most of the magnetite weathers to hematite and there i very little magnetite after approximately 177. Around 220 the quartz-CO_3 content increases both as stringers and as a brec-ciation phenomenon. The zone appears to end along a stringer.

CORE SAMPLES					DESCRIPTION OF SAMPLE
OM	TO	RECOV.	WIDTH	ASSAY	

ASSESSMENT WORK
T-702

REGIONAL CORE LIBRARY

FORM S22
NORTH
EAST.
ELEV.
AZIM.
DIP

DIAMOND DRILL REPORT

PROPERTY FRIPP #5 GROUP - BRUCE LAKE
Fripp Township

HOLE NO. FP5-4-71
COMMENCED
FINISHED
PURPOSE OF HOLE

FROM	TO	DESCRIPTION
		230.5-277.4 zone of coarse diorite with only local finer grained patches - minor pyrite - no chalcopyrite; the feldspares are stained pinkish as before; near the fault gouge @ 277.4 the diorite becomes more siliceous and a bit finer grained.
277.4	320	Ultrabasic - peridotite - generally fine grained - blue black. The start of the zone is in a fault gouge approximately 3' wide. After this zone the ultrabasic is more competent. The peridotite is highly fractured with serpentine and carbonate introduced. The U.B. is magnetic overall but there are also small bands of magnetite found associated with the carbonate fractures as @ 296.5. There is some minor pyrrhotite in the ultrabasic as well. 314.7-316.5 small dyke or inclusion?? Contacts broken - the ultrabasic is highly carbonatized around this zone. The zone is very soft and composed mainly of chlorite. There is no mineralization in it and it is non-magnetic.
	320	END OF HOLE

CORE SAMPLES FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE
284	285		1		Geochemistry Peridotite, CO_3 strs, magnetite, po
292	293		1		" " " " "
312	313		1		Peridotite - CO_3 - some rosettes magnetic, no visib. min.

ASSESSMENT WORK
T-702

NORTH
EAST.
ELEV.
AZIM.
DIP

DIAMOND DRILL REPORT

PROPERTY FRIPP

HOLE NO. FP5-5-71

HOLE NO. FP5-4-71 4.
COMMENCED
FINISHED
PURPOSE OF HOLE

GROUP - BRUCE LAKE
Fripp Township

FROM	TO	DESCRIPTION
		GEOCHEMISTRY AND THIN SECTIONS
7737	35'	coarse grained diorite
7738	85	" " " + minor py
7739	135	" " "
7740	158	fine grained differentiate - magnetic
7741	173	coarse diorite in copper zone
7742	229	coarse diorite w. qtz in copper zone
7743	272	ultrabasic
7744	300	"
7745	311	inclusion or dyke
7746	320	ultrabasic.

Dave Alexander
HOLLINGER MINES LIMITED
TIMMINS, ONTARIO

CORE SAMPLES

FROM	TO	RECOV.	WIDTH	ASSAY	DESCRIPTION OF SAMPLE

pb.
py.
02.

CORE STORED HERE

Ministry of Northern Development and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9460.00117

Personal information collected on this form is obtained under the authority of the I this collection should be directed to the Provincial Manager, Mining Lands, Mi Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

42A03NW0001 2.15491 FRIPP

900

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

Recorded Holder(s): DAVID U. JONES KT-K.FILO			Client No. 149868/131184
Address: BOX 1513 SOUTH PORCUPINE ONTARIO			Telephone No.
Mining Division: PORCUPINE	Township/Area: TRIPP		M or G Plan No.
Dates Work Performed: From: MARCH 94 APRIL 5/94	To: MAY 8/94		

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	CORE LOGGING & REPORT WRITING FOR DRILL PROGRAM
	Assays	
	Assignment from Reserve	

RECORDED MAY - 9 1994 Receipt

Total Assessment Work Claimed on the Attached Statement of Costs $ 4200.00

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

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

Name	Address
J.K.FILO	535 BAR LOMAN TIMMINS ONT P4N 4K2

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side MAY 8/94

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date MAY 8/94	Recorded Holder or Agent (Signature)

Certification of Work Report

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

Name and Address of Person Certifying: J.K. FILO 535 BAR LOMAN TIMMINS ONT		
Telepone No. 705-268-9045	Date MAY 8/94	Certified By (Signature)

For Office Use Only

Total Value Cr. Recorded: $4,200.	Date Recorded: MAY 9, 1994	Mining Recorder: S White	Rec
	Deemed Approval Date: AUG. 7, 1994	Date Approved: JUNE 15, 1994.	
	Date Notice for Amendments Sent		

RECEIVED MAY 9 1994 10:40 PORCUPINE MINING DIVISION

0241 (03/91)

Numéro de rapport sur les travaux exécutés pour l'affectation de la réserve	Numéro de claim	Nombre d'unités
	1170463	1
	1170468	1
	1170466	1
	1170465	1
	1170467	1
	1170464	1
	1170470	1
	1170469	2
	1190298	1
	1171879	1
	1190300	2
	1190301	6
	1190299	1
	13	

Nombre total de claims

Valeur des travaux d'évaluation exécutés sur ce claim	Valeur affectée à ce claim
4200	~~0~~
	800
	800
	2400
	28
4200	4028

Valeur totale des travaux exécutés

Valeur totale des travaux qui a été affectée

Valeur transférée de ce claim	Réserve : travaux à réclamer à une date ultérieure
~~4028~~	172
4028	172

Total transféré

Réserve totale

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

1. ☐ Les crédits doivent être réduits en commençant par le dernier claim sur la liste.
2. ☐ Les crédits doivent être réduits également entre tous les claims figurant dans le présent rapport.
3. ☐ Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : Examples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.

Note 2 : Si des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les travaux ont été exécutés.

Signature

Date

0241 (05/91)

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9460.00117

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

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type GEOLOGICAL	4000	4060
Supplies Used Fournitures utilisées	Type FLAGGING TAPE	21.33	2133
			21.33
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		6181.33

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK	120	120
	SKI-DOO GAS	2386	2386
			2506
Food and Lodging Nourriture et hébergement	FOOD	35	35
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédent pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)		4100.19

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

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant toute demande à cet effet. Si la vérification n'est pas [illegible] ou une partie des travaux d'[illegible]

RECEIVED
MAY 9 1994
10:40
TB
TORONTO MINING DIVISION

Filing Discounts

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

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur [illegible]

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

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

Certification Verifying Statement of Costs

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

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

to make this certification

Attestation de l'état des coûts

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

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

à faire cette attestation.

Signature	Date
	May 7/1994

0212 (04/91)

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

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9460.00116

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7284.

2.15491

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

Recorded Holder(s): DAVID J. JONES / J.K. FILO		Client No.: 147868 / 187784
Address: Box 1513 S. Porcupine ONA		Telephone No.: 235-2474
Mining Division: PORCUPINE	Township/Area: FRIPP TWP	M or G Plan No.:
Dates Work Performed — From: ~~MAR 1/94~~ MAR 12/94	To: ~~MAR 21/94~~ MAR 21/94	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	DIAMOND DRILLING & ASSAYING OF CORE
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECORDED
MAY - 9 1994
Receipt

Total Assessment Work Claimed on the Attached Statement of Costs $ 4615.70

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

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

Name	Address
T. Kevin Filo	635 Bartleman Timmins Ont P4N 8K2
NORCY DRILLING ALEX GAGNON	

(attach a schedule if necessary)

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

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: MAY 8/94	Recorded Holder or Agent (Signature):

Certification of Work Report

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

Name and Address of Person Certifying: J.K. Filo 535 Bartleman Timmins Ont P4N 8K2		
Telepone No.: 268-9045	Date: MAY 8/94	Certified By (Signature):

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received
$4,615	MAY 9, 1994		RECEIVED (C) MAY 9 1994 TB 10:40 PORCUPINE MINING DIVISION
	Deemed Approval Date: AUG. 7, 1994	Date Approved: JUNE 15, 1994	
	Date Notice for Amendments Sent		

0241 (03/91)

Numéro de claim	Nombre d'unités	Numéro de rapport des travaux exécutés pour l'affectation de la réserve	Valeur des travaux d'évaluation exécutés sur ce claim	Valeur affectée à ce claim	Valeur totale des travaux exécutés	Valeur totale des travaux qui a été affectée	Valeur transférée de ce claim	Réserve : travaux à réclamer à une date ultérieure	Réserve totale	Total transféré
1120463	1			545	415	415				345
1120464	1		415	545	960	960	3815			
1120466	1		460	545	1505	1505	3315			
1120465	1			545						
1120467	1			545						
1120468	1			545						
1120470	1			545						
1120469	1			545						
1120248	2			545						
1120249	1			545						
1121819	1			545						
1120300	2			545						
1120301	6			545						
Nombre total de claims: 13										

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

1. ☐ Les crédits doivent être réduits en commençant par le dernier claim sur la liste.
2. ☐ Les crédits doivent être réduits également entre tous les claims figurant dans le présent rapport.
3. ☐ Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : **Examples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.**

Note 2: **Si des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:**

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les travaux ont été exécutés.	Signature	Date

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9460.00116

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

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type DIAMOND DRILLER	3000	
	ASSAY LAB	1615.70	
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		4615.70

2. Indirect Costs/Coûts indirects

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

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

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

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

Filing Discounts

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

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

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

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

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0.5	

RECEIVED (c) MAY 9 1994 TB 10:40 MINING LANDS SECTION

Certification Verifying Statement of Costs

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

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

to make this certification

Attestation de l'état des coûts

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

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

à faire cette attestation.

Signature	Date
	May 8/94

0212 (04/91)

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

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9460.00118

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

2.15491

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

Recorded Holder(s): DAVID J. JONES / K. FICO			Client No.: 149864 / 131754
Address: BOX 1513 S PORCUPINE ONT			Telephone No.: 235-2474
Mining Division: PORCUPINE	Township/Area: FRIPP		M or G Plan No.:
Dates Work Performed — From: Dec 93	To: FEB 23/94	MARCH/94	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	INDUCED POLARIZATION GEOPHYSICAL SURVEY
	Physical Work, Including Drilling	LINE CUTTING
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECORDED
MAY 09 1994
Receipt _____

Total Assessment Work Claimed on the Attached Statement of Costs $ 3212.47

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

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

Name	Address
JOHN CRANT	Cyclos Exploration Timmins Ont P4N 7C2
J.K. FICO	535 Balsam Timmins Ont P4N 4R2

(attach a schedule if necessary)

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

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: MAY 8/94	Recorded Holder or Agent (Signature): J.K. Fico

Certification of Work Report

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

Name and Address of Person Certifying: J. K. FICO 535 Balsam Timmins Ont P4N 4R2		
Telephone No.: 268-9045	Date: MAY 8/94	Certified By (Signature): J. Fico

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received
$3,212	May 9/94	D. White	RECEIVED (e) MAY 9 1994 TB 10:40 PORCUPINE MINING DIVISION
	Deemed Approval Da.: Aug. 7, 1994	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Numéro de rapport sur les travaux exécutés pour l'affectation de la réserve	Numéro de claim	Nombre d'unités
	1170463	1
	1170464	1
	1170466	1
	1170465	1
	1170467	1
	1170468	1
	1170470	1
	1170469	1
	1190298	2
	1190299	1
	1171879	1
	1190300	2
	1190301	6
	13	

Nombre total de claims

Valeur des travaux d'évaluation exécutés sur ce claim	Valeur affectée à ce claim
	255
	255
	255
	255
	255
3212	255
	255
	255
	800
	372
3212	3212

Valeur totale des travaux exécutés | Valeur totale des travaux qui a été affectée

Valeur transférée de ce claim	Réserve : travaux à réclamer à une date ultérieure
2957	
2957	

Total transféré | Réserve totale

Les crédits que vous réclamez dans le présent rapport peuvent être réduits. Afin de diminuer les conséquences défavorables de telles réductions, veuillez indiquer l'ordre dans lequel vous désirez qu'elles soient appliquées à vos claims. Veuillez cocher (✓) l'une des options suivantes :

1. ☐ Les crédits doivent être réduits en commençant par le dernier claim sur la liste.
2. ☐ Les crédits doivent être réduits également entre tous les claims figurant dans le présent rapport.
3. ☐ Les crédits doivent être réduits selon l'ordre donné en annexe.

Si vous n'avez pas choisi d'option, la première sera appliquée.

Note 1 : Examples d'intérêts bénéficiaires : cessions non enregistrées, ententes sur des options, protocoles d'entente, etc. relatifs aux claims.

Note 2: Si des travaux ont été exécutés sur un terrain faisant l'objet de lettres patentes ou d'un bail, veuillez remplir ce qui suit:

Je certifie que le titulaire enregistré possédait un intérêt bénéficiaire sur le terrain faisant l'objet de lettres patentes ou d'un bail, au moment où les

Signature | Date

0241 (05/91)

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9460.00118

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

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type [illegible]	2568	2568
	[illegible]	500	500
			3068
Supplies Used Fournitures utilisées	Type [illegible]	20 54	20 54
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		3088.54

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK	75	75
	Skidoo Gas	24 13	24 13
Food and Lodging Nourriture et hébergement		25	250
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		124 13
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		3212.47

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

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

Filing Discounts

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

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

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0.50 =	

Certification Verifying Statement of Costs

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

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

to make this certification

Attestation de l'état des coûts

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

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

à faire cette attestation.

Signature	Date
[signature]	MAY 8 1994

RECEIVED (e) MAY 9 1994 10:40 PORCUPINE MINING DIVISION

0212 (04/91)

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

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

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

August 5, 1994

Our File: 2.15491
Transaction #: W9460.00118

Mining Recorder
Ministry of Northern Development & Mines
60 Wilson Avenue, 1st Floor
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIM P.1170468 IN FRIPP TOWNSHIP

Assessment work credits have been approved as outlined on the original work report form for the submission. The credits have been approved under Section 14, Geophysics (Induced Polarization) of the Mining Act Regulations.

The approval date is August 4, 1994.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

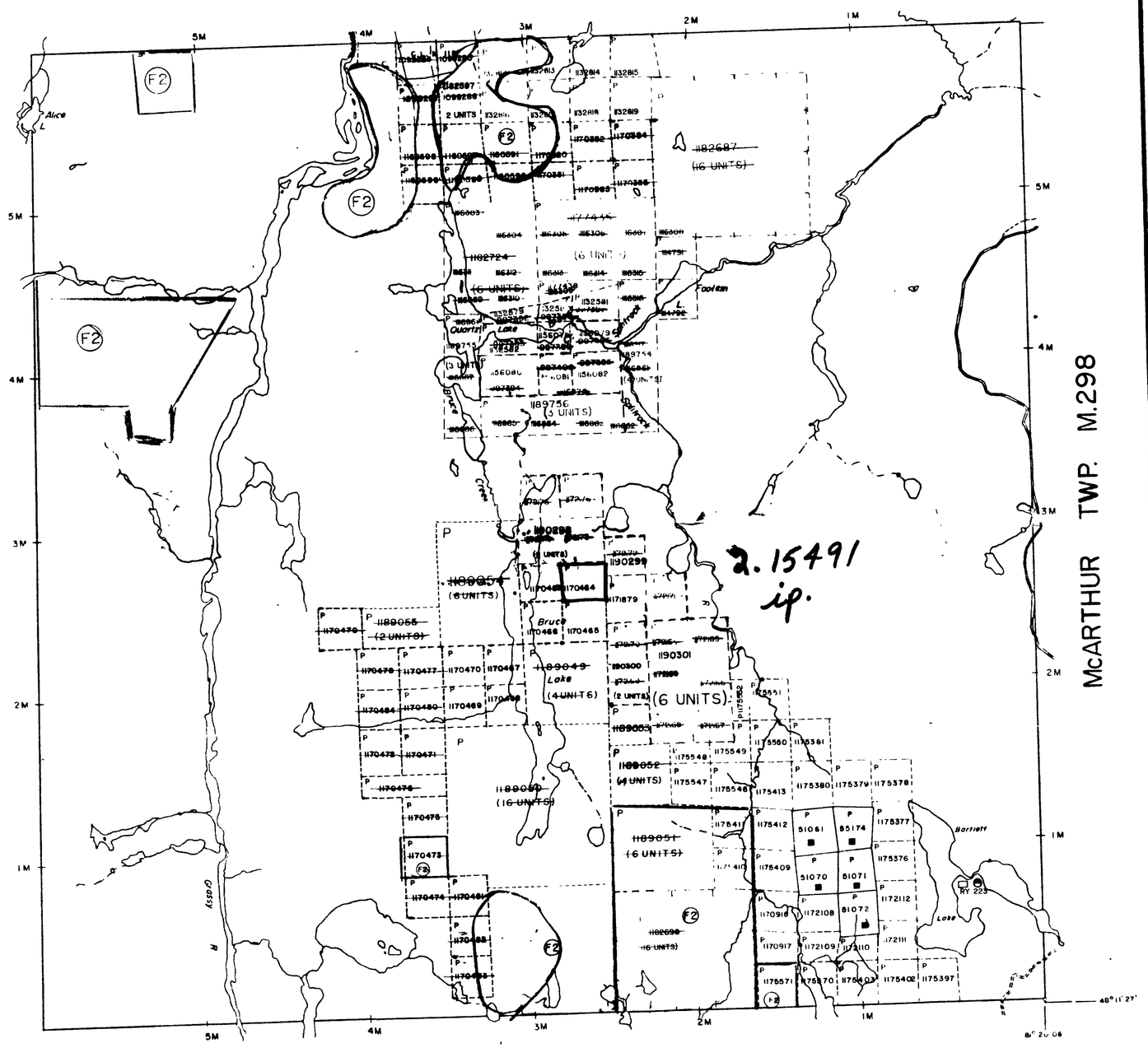
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

LJ/lj

cc: Resident Geologist
Timmins, Ontario

Assessment Files Library
Sudbury, Ontario

PRICE TWP. M.307



McKEOWN TWP. M.299

McARTHUR TWP. M.298

MUSGROVE TWP. M.304

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

THE TOWNSHIP
OF

FRIPP

DISTRICT OF
TIMISKAMING

PORCUPINE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

DISPOSITION OF CROWN LANDS

PATENT, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION

ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
CANCELLED

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970.)

Order No.	File	Date	Disposition
RY 223			

REMOTE TOURIST CAMPS

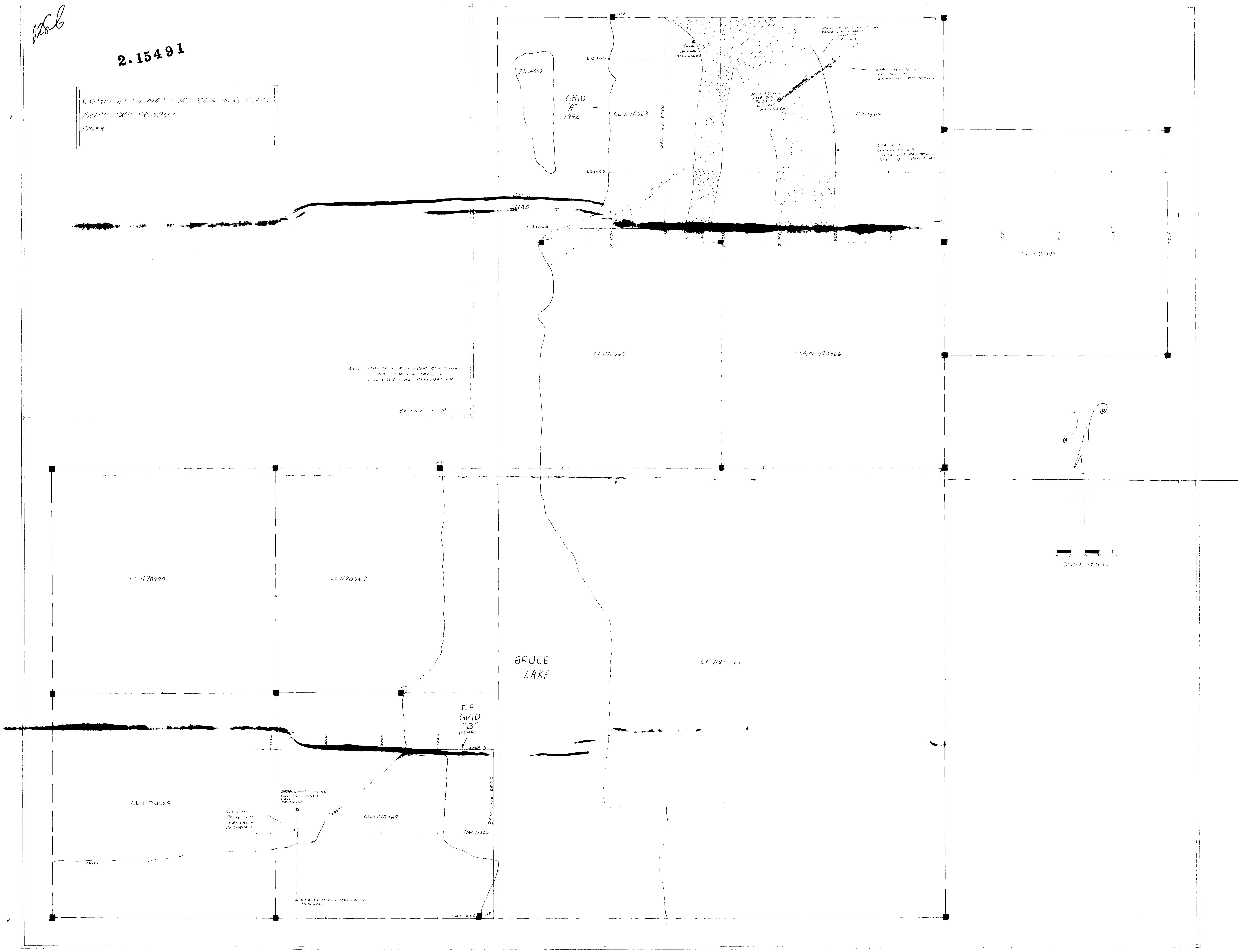
F2 THIS TWP. SUBJECT TO FOREST ACTIVITY IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE

ISSUED
JUN - 7 1994
PORCUPINE MINING DIVISION

IN SERVICE NOV. 22/88 CHECKED BY S. ROWAN

PLAN NO. M. 281

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



2.15491
FIG#4
ISLAND
GRID "A" 1992
CL 1170469
CL 1170466
CL 1170470
CL 1170467
BRUCE LAKE
I.P GRID "B" 1994
LINE 0
CL 1170468

210