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REPORT OF ACTIVITIES

for the

SILVER CENTRE AREA 1992-94

South Lorrain Township 2.15651

for

Albert Chitaroni

by

Gino Chitaroni
Geologist, Mining Technologist, Prospector

Target Geological Services

Acct. # 2.13762

Cobalt, Ontario

September 5, 1994

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Introduction

This report and accompanying information is based upon the author's personal observations in the field, conversations with the principals involved and geological reports included within this Report of Activities for the silver Centre Area 1992-4.

Currently, the Silver Centre area is being explored for Cobalt and Base-Metal deposits.

Location

The Silver Centre area is approximately 350 miles north of Toronto via Highway 11 and 25 miles south from the Town of Haileybury along Highway 567. The mining areas lay within 5 miles, west, from the edge of Lake Temiskaming. Silver Centre is a name given to the community which once thrived in and around the silver mines of South Lorrain Township.

Access

Roads

The area is accessed mainly by the gravel road of Highway 567 and secondary unmaintained gravel-based roads. Numerous skidder and "all-terrain-vehicle" trails exist throughout the entire South Lorrain Township area.

Water

Lake Temiskaming lies immediately east of the former community of Silver Centre and is easily accessible to float planes, especially, at the Maiden's Bay docking/landing area. There is also plenty of water for exploratory drilling and outcrop washing from nearby swamps, beaver ponds and lakes.

Infrastructure

The Silver Centre area contains characteristically good-excellent gravel road access as well as pretty good trail access into most exploration lands of the area.

Water for travel and mine/exploration use is in plentiful supply and readily available.

Electrical power is accessible from the large transmission line bisecting South Lorrin Township originating from the power facility apporximately 5 miles south. However, ordinary power lines exist along Highway 567.

No natural gas lines exist in the area.

The nearest airport is located in Earlton, Ontario about 50 miles north of Silver Centre.

Telephone lines exist just north of the Maiden's Bay road but not readily available to Silver Centre, yet, quite achievable if needed in the future.

An excellent source of service industries and labour pool exist immediately north in the communities of Cobalt, Haileybury and New Liskeard.

Area Geology in Brief

The Productive area of Silver Centre lies in the structural Superior Province but also in the Southern Sub-Province of Precambrian rocks.

The bedrock can be divided up into three groups (after McIlwaine, 1970):

1. Archean basement rocks chiefly "volcanics",
2. Flat-lying Proterozoic Huronian Cobalt-Group sedimentary rocks overlays the Archean basement rocks,
3. Proterozoic Nipissing Diabase intrusive sheets/sills and dikes that cut all other older rocks.

Economic Geology in Brief

The Silver Centre area is renown for it silver-cobalt deposits similar to that found in the Cobalt Mining Camp 25 miles northwest of Silver Centre. The silver Centre area is generally considered a satellite mining camp of the larger prominent Cobalt Mining Camp.

The intrusion of the Nipissing Diabase Sill is still considered the key feature or factor influencing silver-cobalt deposition. Of considerable importance is the lower and upper contact area of the Nipissing Diabase Intrusion with all older rock types.

The "greenstone" belt inliers of the Silver Centre area may play an important role for Base-Metal exploration. The "greenstone" or archean volcanic belts can and have hosted economic copper-lead-zinc and precious metal deposits. If this belt is an extension of the Temagami Greenstone Belt, which was productive and is currently undergoing extensive mineral exploration then it is plausible to believe that Silver Cnetre may also be fertile ground for similar mineral potential and exploration.

For further discussion on economic geology see the Robinson (1992) and Beecham (1994) reports enclosed.

Recent Events 1992-94

Cobatec Ltd.

In the 1994 field season Cobatec Ltd. actively assessed the surface waste piles of 7 properties for the purposes of attaining Cobalt Feedstock for its mill-refinery complex in North Cobalt.

The properties are as follows:

Frontier
Keeley
Little Keeley
Miller-Lorrain (Maiden's Bay Mine)
Harris
Bellellen
Forneri

- and some of the adjacent properties

After an extensive program of waste pile trenching, sampling, tape-compass and transit surveying, and mapping on aforementioned properties; Cobatec proceeded to size and separate much of the existing waste piles on the Harris, Bellellen and Frontier claims. Beginning in late August a screening plant was used to separate and upgrade waste piles into a usuable form of cobalt feedstock for shipping to the Cobatec Plant. A minus 4" and then later a minus 2" screen was employed inconjunction with a +8" grissly screen to establish usuable cobalt feedstock. The minus 4 and 2 inch undersize material was stock-piled for shipping while the oversizes 4-8" and/or 2-8" plus the over 8" materials were stockpiled, mechanically spread out then physically sorted to attain a coarse-high grade cobalt feedstock which was later shipped to the plant.

Cobatec conducted an intensive access revitalization program of the Keeley-Frontier and the Maiden's Bay Roads. This company also reclammated and rehabilitated the areas affected by the waste-pile mining program.

In the near future, Cobatec plans to evaluate a good part of the entire Silver Centre mining camp for surface and underground cobalt feedstock sources.

John Gore and Associates

Mr. Gore has spearheaded an effort for base-metal and cobalt-silver exploration approximately 1/2 mile southeast and east of the historic town-site of Silver Centre.

Exploration activities to date consists of grassroots prospecting, geological mapping, trenching, line-cutting and VLF and magnetometer geophysics with some minor diamond drilling. According to Mr. Gore, some encouraging assays have been returned in his base-metal program for copper as well as some associated geophysical anomalies in the southeast area claims. Meanwhile, Mr. Gore's work east of Silver Centre returned anomalous cobalt-nickel assays, including the discovery of several calcite-quartz vein systems.

Work is still on-going at this time of writing.

Hugh Moore

Mr. Moore has been active in the Silver Centre area for the

past 2-3 years. He has picked up claims in several locations near the former producing areas of Silver Centre. He has prospected some of his ground and plans to continue with more detailed work in the near future.

Summary of Recent Developments

When the fringe parts of the Temagami Land Caution were opened to staking, exploration and development in 1990, South Lorrain Township and the Silver Centre area was among those parts directly affected. So, prior to 1990 no exploration was conducted from the inception of the Land Caution in 1973. Since these fringe lands were opened in 1990 much new exploration has taken place in South Lorrain. Moreover, new lands have become available to exploration through claim forfeiture which again was held up due to the Temagami Land Caution. As a result, mining companies are now in the position to move in and take up better land positions.

In most historic mining camps multi-owned land tenure is a major deterrent to exploration and mine development; Silver Centre is case in point!

From 1990 to present, exploration has gained steady momentum; and for the first time some of this effort has been directed toward base-metal and even Diamond exploration.

Although Silver Centre has seen previous and successful efforts for silver exploration and mining it did not see a concerted sustained effort for cobalt until this year 1994. Judging by these recent events the Silver Centre area appears to have an encouraging and promising mining future in the coming years ahead.

Recommendations for Exploration

Based in part on the summarizes and conclusions arrived at Mr. Doug Robinson, Mr. Art Beecham and recent exploration events with tose of the author's opinion the following recommendations could be followed for future exploration of the Silver Centre area:

Base-metals

1) A deep airborne electro-magnetic and magnetic survey should conducted over the entire "greenstone belt" area and to determine the depth to the Archean basement in Huronian rock covered areas of Silver Centre to isolate anomalies conducive to base-metal

mineralization.

2) An extensive ground exploration program must consist of line cutting, electro-magnetic and magnetic geophysical surveying, and detailed geological mapping to follow-up airborne anomalies.

3) An extensive geochemical sampling program should be conducted over the volcanic inliers of the "greenstone" belt to determine bae-metal horizon signatures, discover new mineral occurences while confirming previous mineral occurences and to differentiate rock types.

4) Diamond drilling should be used to identify as many ground conductors as possible only as a follow-up to the aforementioned exploration techniques. Of particular note, however, all core should be split and assayed by whole rock and/or multi-element methods; namely for copper, lead, zinc, nickel, cobalt and precious metals. Previous drilling in South Lorrain was poorly sampled.

5) Since Bore-hole diamond drill geophysical methods has never been used in the Silver Centre camp before, as a new exploration tool it should be employed when necessary in the future.

Cobalt

1) Revisit the former producers by conducting a detailed compilation study of each property to determine economic potential.

2) A program of shaft/adit dewatering and surface diamond drilling should follow up to determine and evaluate the extension, strength and value of the existing vein systems. Limited geological mapping should be conducted to follow the vein trace on surface.

3) Follow up any surface vein lead or drill intersection by trenching, blasting and sampling after a detailed geological compilation of the vein systems. If vein determined "favourable" a short hole diamond drilling program should commence along the vein structure in question; note, sample and assay the entire hole length!.

GINO CHITARONI

Field Log 1992-94
South Lorrain Twp

Date	Hrs	Claim Location	Activities/Comments
Apr 22/92	8	1118450, 1179175	prospecting, field inspection with Glen McBride
Apr 23/92	8	1118450	ditto
Apr 24/92	8	1118450	ditto
Apr 25/92	8	1179175	prospecting with John Gore
Apr 26/92	8	1118450, 1179175	prospecting & sampling with John Gore
July 14/92	8	1118450	prospecting & sampling with Glen McBride
Aug 11/92	8	1118450	prospecting with John Gore
Sept 14/92	8	1118450	prospecting & sampling with Glen McBride during Diamond Drill program.
Sept 15/92	8	1118450	Ditto
Nov 5/93	8	1118450, 1179175 1118536, 1118537	prospecting & sampling with Falconbridge representatives and John Gore.
Sept 1/94	8	1118450, 1179175 1118536, 1118537	Inspection visit to Silver Centre area and mining claims
Sept 2/94	8	1118450, 1179175 1118536, 1118537	Ditto

REPORT OF ACTIVITIES
1992-4 Report and Labour Costs

1) Doug Robinson

Report of Activities (Nov. 30 1992.) - report compilation and management fees	$ 1,500.00
Report labour costs - information research, report preparation and administration (Nov.9,10,28,29,30/92) - 5 days @ $200.00/day (8hrs/day)	1,000.00
Expenses - phone calls, meals, supplies, stationary and Mileage: 3 trips = 200km/round trip * $.30/km is $180.00 (to Cobalt area).	400.00

2) Gino Chitaroni

OPAP Report (Sept.30,1992.) - "The Elite Cobalt Base-Metal Project" - report compilation and management + 10% contingency	500.00
Report labour costs - information research, report making, administration, minor field work and supervision 3 days @ $200.00/day (8hrs/day) (Sept. 26,27, & 28/1992)	600.00

3) Gino Chitaroni

Report of Activities Silver Centre 1992-4 (Sept. 5, 1994) - report compilation,and mangement fees + 10% contingency	500.00
Report labour costs - information research, report making, administration and field inspection. - 3 days * $200.00/day (8rhs/day)	600.00

4) Glen McBride	900.00
Prospecting, sampling, field assistant - April 22,23,24/92 + July 14/92 + Sept. 14 & 15/92 - 6 days @ $150.00/day (8hrs/day)	
5) John Gore	600.00
Prospecting, sampling, field assistant - April 25 & 26/92, Aug 11/92 and Nov. 5/93 - 4 days @ $150.00/day (8hrs/day)	

6) Gino Chitaroni	1,800.00
Prospecting, sampling, field investigation supervision & inspection - 12 days @ $150.00/day (8hrs/day)	
7) Gino Chitaroni	180.00
Traveling expenses/mileage - 50km/round trip @ $.30/km * 12 trips	
8) Gino Chitaroni	450.00
Assays (whole rock and regular types)	
Total	$9,030.00

STATEMENT OF QUALIFICATIONS

The author, Gino Chitaroni, declares that the following statements are true and factual:

1) I am a qualified Geologist, Mining Technologist and Prospector,

2) I am a graduate of Lake Superior State University and the Haileybury School of Mines -- Northern College,

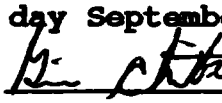
3) I have been in the mining industry continuously since 1982,

4) I have physically inspected the property(s) discussed in this report/document,

5) I am the author of this report,

6) I am an agent acting on behalf of Mr. Albert Chitaroni.

Dated this day September 5, 1994 at Cobalt Ontario, Canada;

Signed by:  , Gino Chitaroni, Geologist/Mining Technologist/Prospector.

ASSAY COSTS

Summary 1992-4
South Lorrain Twp.

Metal	Amount	$/Element	Total
Copper	10	$ 5.00	$ 50.00
Zinc	10	$ 3.00	$ 30.00
Nickel	2	$ 3.00	$ 6.00
Lead	6	$ 3.00	$ 18.00
Cobalt	1	$ 3.00	$ 3.00
Molybdenum	1	$ 3.00	$ 3.00
Palladium	1	$ 15.00	$ 15.00
Gold	4	$ 8.00	$ 32.00
Gold/Silver	4	$ 15.00	$ 60.00
Whole Rock	8	$250.00	$250.00
Total			$467.00

* Note: all dollar figures rounded off to nearest dollar.

Ontario
Ministry of Northern Development and Mines
Temiskaming Testing Laboratories
P.O. Box 799
Presley St.
Cobalt, Ontario
P0J 1C0
(705) 679-8313

Report Number
CB 11973

Laboratory Report

Date Nov. 27, 1991

Issued To: Mr. Gino Chitaroni, P.O. Box 271, Cobalt, Ont. P0J 1C0

Sample Number	Gold Oz. Per Ton	Silver Oz. Per Ton	Cu%	Zn%
#8066	Nil		0.003	
8067	Nil		0.004	0.003
8068	Trace		0.076	0.004
8069	Trace		0.010	0.003

Fees Received Charged.

J. Ireland
A/ Manager

Ontario
Ministry of Northern Development and Mines
Temiskaming Testing Laboratories
P.O. Box 799
Presley St.
Cobalt, Ontario
P0J 1C0
(705) 679-8313

Report Number
CB 12203

Laboratory Report

Date Sept. 11, 1992

Issued To: Mr. Gino Chitaroni, P.O. Box 271, Cobalt, Ont. P0J 1C0

Sample Number	Gold Oz. Per Ton	Silver Oz. Per Ton	Cu Ppm	Ni Ppm	Pb Ppm	Zn Ppm
8018			215		301	36
8019	0.007	0.96				
8020						89
8021					<10	59
8022			29		<10	30
8164			1810	246		3620

Fees Received Charged.

J. Ireland
A/ Manager

Ontario
Ministry of Northern Development and Mines

Temiskaming Testing Laboratories

P.O. Box 799
Presley St.
Cobalt, Ontario
P0J 1C0
(705) 679-8313

Report Number

CB 12205

Laboratory Report

Date Sept. 15, 1992.

Issued To: Mr. Gino Chitaroni, P.O. Box 271, Cobalt, Ont. P0J 1C0

Sample Number	Gold Oz. Per Ton	Silver Oz. Per Ton	Pb%	Zn%	Co%
8165			0.007	0.017	0.003

Fees Received Charged.

G. McKnight for AI
J. Ireland
Manager

Ontario
Ministry of Northern Development and Mines

Temiskaming Testing Laboratories

P.O. Box 799
Presley St.
Cobalt, Ontario
P0J 1C0
(705) 679-8313

Report Number
CB 12248

Laboratory Report

Date Oct. 20, 1992.

Issued To: Mr. Gino Chitaroni, P.O. Box 271, Cobalt, Ont. P0J 1C0

Sample Number	Gold Oz. Per Ton	Silver Oz. Per Ton	Cu%	Ni%	Zn%	Pb%	Mo%	Pd PPB
8174	0.003	0.29	0.140	0.002	0.014	0.006	0.001	
8175	0.023	0.25	0.024			0.002	0.001	<10

Fees Received Charged.

J. Ireland
A/Manager

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.I.

46239 # Certificate of Analysis

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

ATTN: Gino Chitaroni
Target Geological Services
P.O. Box 271
COBALT, Ontario
P0J 1C0

November 2, 1992

Work Order # : 920378

SAMPLE NUMBERS		SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %
Accurassay	Customer					
260761	F 8166	45.05	15.97	15.39	4.55	9.15
260762	F 8167	71.68	11.88	4.61	2.22	0.35
260763	F 8168	74.50	13.10	2.32	0.55	0.17
260764	F 8169	43.84	16.71	15.70	8.58	2.05
260765	F 8170	67.00	13.03	5.15	2.41	2.39
260766	F 8171	46.40	14.71	13.77	6.39	10.09
260767	F 8172	72.11	15.39	1.53	0.54	0.58
260768	F 8173	67.84	14.01	4.23	1.86	3.32

SAMPLE NUMBERS		Na2O %	K2O %	P2O5 %	TiO2 %	MnO %
Accurassay	Customer					
260761	F 8166	3.32	0.64	0.030	1.211	0.284
260762	F 8167	4.71	0.96	0.001	0.298	0.033
260763	F 8168	5.84	2.27	0.070	0.123	0.014
260764	F 8169	3.69	1.93	0.130	0.912	0.344
260765	F 8170	4.27	1.05	0.090	0.414	0.048
260766	F 8171	2.36	0.33	0.180	1.087	0.243
260767	F 8172	6.82	1.56	0.060	0.157	0.011
260768	F 8173	4.19	1.22	0.130	0.346	0.060

SAMPLE NUMBERS		BaO %	Cr2O3 %	SrO %	LOI %	TOTAL %
Accurassay	Customer					
260761	F 8166	0.019	0.065	0.037	2.5	98.2
260762	F 8167	0.023	0.018	0.004	1.4	98.2
260763	F 8168	0.038	0.015	0.003	0.5	99.5
260764	F 8169	0.094	0.123	0.010	5.4	99.5
260765	F 8170	0.025	0.024	0.009	2.6	98.5
260766	F 8171	0.016	0.081	0.016	2.9	98.6
260767	F 8172	0.100	0.014	0.071	1.0	99.9
260768	F 8173	0.060	0.020	0.012	2.5	99.8

LF-30

Per: G. Duncan

ORIGINAL

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.

46238 Certificate of Analysis

ATTN: Gino Chitaroni
Target Geological Services
P.O. Box 271
COBALT, Ontario
P0J 1C0

November 2, 1992

Work Order # : 920378

SAMPLE NUMBERS		Bi	V	Ca	P	La
Accurassay	Customer	ppm	ppm	%	%	ppm
260761	F 8166	<3	195	1.22	0.03	<1
260762	F 8167	4	17	0.13	0.04	11
260763	F 8168	<3	2	0.05	0.03	2
260764	F 8169	<3	175	0.40	0.04	3
260765	F 8170	<3	22	1.04	0.05	6
260766	F 8171	<3	88	1.34	0.06	1
260767	F 8172	<3	5	0.20	0.03	6
260768	F 8173	<3	20	1.13	0.07	9

SAMPLE NUMBERS		Cr	Mg	Ba	Ti	Al
Accurassay	Customer	ppm	%	ppm	%	%
260761	F 8166	88	1.83	26	0.35	2.70
260762	F 8167	24	1.27	38	0.06	1.61
260763	F 8168	35	0.33	19	0.01	0.57
260764	F 8169	302	3.98	126	0.26	4.15
260765	F 8170	30	1.37	33	0.10	1.82
260766	F 8171	118	2.21	20	0.40	3.00
260767	F 8172	16	0.22	64	0.02	0.37
260768	F 8173	16	1.08	37	0.08	1.65

SAMPLE NUMBERS		Na	Si	W	Be
Accurassay	Customer	%	%	ppm	ppm
260761	F 8166	0.13	<0.01	<2	4
260762	F 8167	0.10	0.01	<2	<1
260763	F 8168	0.04	<0.01	<2	<1
260764	F 8169	0.06	<0.01	<2	4
260765	F 8170	0.04	<0.01	3	<1
260766	F 8171	0.05	<0.01	<2	2
260767	F 8172	0.03	<0.01	<2	<1
260768	F 8173	0.06	0.01	4	<1

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

LF-30

Per: G. Duncan

ORIGINAL

ACCURASSAY LABORATORIES

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46237

Certificate of Analysis

ATTN: Gino Chitaroni
Target Geological Services
P.O. Box 271
COBALT, Ontario
P0J 1C0

November 2, 1992

Work Order # : 920378

SAMPLE NUMBERS		Mo	Cu	Pb	Zn	Ag
Accurassay	Customer	ppm	ppm	ppm	ppm	ppm
260761	F 8166	2	55	34	159	<0.1
260762	F 8167	3	17	5	28	<0.1
260763	F 8168	4	20	<2	10	<0.1
260764	F 8169	2	19	4	347	<0.1
260765	F 8170	2	33	<2	59	<0.1
260766	F 8171	1	100	<2	80	<0.1
260767	F 8172	2	13	3	25	<0.1
260768	F 8173	1	79	11	203	<0.1

SAMPLE NUMBERS		Ni	Co	Mn	Fe	As
Accurassay	Customer	ppm	ppm	ppm	%	ppm
260761	F 8166	47	23	1080	6.22	18
260762	F 8167	15	5	281	3.19	5
260763	F 8168	15	3	140	1.88	4
260764	F 8169	106	20	2303	8.09	16
260765	F 8170	29	13	387	3.27	15
260766	F 8171	75	36	1191	5.40	22
260767	F 8172	9	3	96	0.94	3
260768	F 8173	16	9	498	2.41	9

SAMPLE NUMBERS		Au	Hg	Sr	Cd	Sb
Accurassay	Customer	ppm	ppm	ppm	ppm	ppm
260761	F 8166	<3	<3	71	<1	4
260762	F 8167	<3	<3	6	<1	4
260763	F 8168	<3	<3	2	<1	<2
260764	F 8169	<3	<3	5	2	6
260765	F 8170	<3	<3	12	<1	8
260766	F 8171	<3	<3	23	<1	<2
260767	F 8172	<3	<3	14	<1	<2
260768	F 8173	<3	<3	16	<1	<2

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

Per: G. Duncan

LF-30

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APPENDIX "A"

"OPAP Report on The Elite Cobalt Base-Metal Project"

by

Gino Chitaroni

Sept, 30, 1992.

OPAP REPORT

ON

THE ELITE COBALT BASE-METAL PROJECT

SOUTH LORRAIN TOWNSHIP

for

MR. ALBERT CHITARONI

by

GINO P. CHITARONI

TARGET GEOLOGICAL SERVICES

September 30, 1992

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ELITE COBALT BASE-METAL PROJECT
1992 Field Program

The 1992 mineral exploration program conducted in the Oxbow Lake area, South Lorrain Township consisted of:

1. An airborne geophysical completed by Ferderber Geophysics using VLF-EM and Magnetometer methods.
2. Minor surface/reconnaisance prospecting and sampling.
3. A diamond drilling program consisting of 5 very short holes designed to extract geological information in core section for visual interpretation and whole-rock geochemical analysis.
4. Data research of assessment files.

General Property Description

The Elite Cobalt Base-Metal Project area is located approximately 15 kilometers northeast of the Township of Temagami or 30 kilometers southeast of the Town of Cobalt - near the western shore of Lake Temiskaming. The property is situated on part of Hishway 567 extending westward toward Oxbow Lake. The property consists of four claims making up 18 claim units of approximately 40 acres or 16 hectares a piece for a total of 720 acres or 288 hectares.

The claims cover, for most part, a belt of keewatin volcanics striking generally east-west and dipping 65-75 degrees north. The volcanics are made up of basalts/andesites, chlorite schists to chloritic "quartz-eye" schists, rhyolitic to dacitic tuffs - and rhyolitic quartz porphyry, and metadiabase - metagabbro intrusions or flows.

The claims were internally accessed, for most part, by an existing skidder trail which now has been improved. The terrain was somewhat difficult to overcome; in the future new access may have to be enhanced to allow better mobility.

Infrastructure

The property has great access to electricity as a main transmission line crosses the edge of the property.

Water within the claim group and located just outside the immediate area is readily available.

Unpaved Highway 567 provides excellent access to the property while a skidder trail accesses the property directly.

The closeness of the towns of Cobalt, Haileybury and New Liskeard offer tremendous local services.

Results

Airborne geophysical VLF-EM and Magnetometer Survey:

Within the survey area seven conductors were found to potentially host quartz-calcite vein Ag-Co-Ni-Cu mineralization. Gold and base-metal (CuPbZn+/-Ni) mineralization in shear or massive sulphides are represented by three conductors.

On Albert Chitaroni ground zone "A" western and eastern conductors have gold/base-metal potential while the western "E" conductor has Ag-Co-Ni-Cu vein potential, whereas, the eastern part of "E" has gold/base-metal conatations associated to it.

Diamond Drilling Program:

Five very short holes were drilled to test geological features, obtain core for whole-rock analysis, and check for mineralization.

Hole AC-1-92 was successful in obtaining representative core specimens of a metagabbro flow or intrusion containing 5-15% magnetite and some associated sulphides; alittle chalcopyrite was present.

Hole AC-2-92 was successful in obtaining a representative core specimen of "quartz-eye" chlorite schist and banded rhyolite. There was disseminated sulphides 1-5% average present containing some chalcopyrite. Magnetite was present intermittently within the chlorite schist in varying amounts. The sulphides (chalcopyrite and pyrite) were evident as blebs or splashes and along veinlets.

Hole AC-3-92 was collared at the same place as AC-2-92 facing the opposite direction. Chlorite schist was the featured rock type containing minor pyrite and some flecks of chalcopyrite; magnetite was also present 1-3%.

Hole AC-4-92 was drilled to check a rock-cut of dacite along Highway 567, 1% sulphides encountered. Note: rock-cut showed a presence of minor chalcopyrite.

Hole AC-5-92 was drilled to check bleached intercalated, calcitic basalt and chloritized schistose basalt; 3-5% pyrite and much hematite was encountered.

Access:

Access to the western perimeter of the claim group was definitely enhanced - by way of skidder trail, and can be assumed to be an asset to future exploration efforts.

Summary

The drill program effectively uncovered a highly altered area in the western most part of the claim group area - claim #1118450. Alteration was evident as seen as fairly wide-spread feldpathization in conjunction with blue-white quartz "eyes" in a highly contorted banded rhyolitic chlorite schist. Alteration was also found in the metegabbro as seen in the epidotized white feldspar angular to sub-angular fragments and their partial replacement by magnetite and red feldspathization.

This altered area roughly concides with a surface showing of Cu,Pb,Ag and drilling conducted by Elite Cobalt Mines in the late 1950's. Moreover, this altered area also concides with the "A" zone - two western most conductors which have a strike length of ~1,400 feet. Zone "A" is recommended by Ferderber's survey as to potentially host gold/base-metal mineralization. Subsequent, surface prospecting and sampling verified a broad area of intense alteration, shearing and foliation.

At this time of writing the whole rock analysis and reconnaisance prospecting map was not completed.

Recommendations

A future exploration program would be wise to acquire new ground covering conductors (designated by Ferderber) zone "J" and the remainder of zone "E".

On existing ground held by Albert Chitaroni a future exploration should concentrate on the western parts of conductor's zone "A" and zone "E". Conductor "A" would be the priority conductor of choice as the alteration zone, Cu-Pb-Ag showing, and the VLF/MAG zone "A" conductor are coincidental; thus, it should be followed up.

Conductor zone "A" should be entirely covered by a surface grid to conduct ground geophysics using a high resolution method of magnetics - with close station and line spacing (lines ~ 100ft apart and stations ~ 15-20ft apart); utilizing the same grid,

generally, a horizontal loop EM / max-min survey would follow to "see" depths to 300-500ft; and finally detailed geological mapping should be conducted, preferably by structural expert.

Once conductor zone "A" has been satisfactorily isolated power-stipping and/or diamond drilling could follow.

The other remaining conductors, especially western "E", should be covered by a surface grid employing magnetometer-horizontal loop geophysical methods to isolate new exploration targets.

Temagami Project

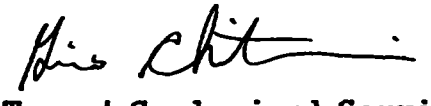
A rare opportunity presented itself this past summer when the Trans-Canada Pipeline was constructing a new line through the Temagami area. The result of their work allowed the prospector to view fresh outcrop, exposed geological features and mineralzation.

Mr. Albert Chitaroni suggested that we look at this area for potential economic mineralization even if the land is under a land dispute - Temagami Land Caution. He suggested that the land negotiations were fast coming to an end - may be some time in early 1993, and that this would be the most opportune time to isolate new claim staking targets for the near future.

Prospecting and minor sampling as well as picture-taking followed along the pipeline and the most accessible roadways in Strathcona Township. Parts of Strathy and most of Best and Gillies Limit (south-part) were covered by the author's own 1992 propecting program but under the general direction of Mr. Albert Chitaroni. Both mandated areas were covered in the months of July and August of 1992 - this work will be carried on into next spring 1993.

The following information included generally cites the results of the program. Moreover, information on the other areas can be accessed by referring to the author's report (Gino Chitaroni) titled: " Target Geological Services 1992 Prospecting Season Report".

Respectfully Submitted,



Target Geological Services
Gino Chitaroni,
Geologist

APPENDIX "B"

"Compilation of Geology, Mining and Exploration Activities" -- South Lorrain Twp. Near Chitaroni Claims

by

Doug Robinson

Nov 30, 1992.

Compilation of geology, mining and exploration activities: South Lorrain Twp near Chitaroni Claims

Compilation of Geology, Mining and Exploration Activities: South Lorrain Twp near Chitaroni Claims

The Chitaroni Claims and Compilation Area (Figure: 1)

The Chitaroni holdings include the following 18 claim units in South Lorrain Twp:

1118450	10 units
1118536	1 unit
1118537	6 units
1179175	1 unit

The compilation area of this report is restricted to a block extending 3.8 miles north from 47°09'30"N and 5 miles east from 79°30'30"W.

Excluding the claims mined, exploration in South Lorrain Townsship has been restricted to diamond drilling and surface exploration activities. Exploration and mining activities have been compiled on the enclosed 1"=1/4 mile map (Figure: 1). Exploration activities within and contiguous with the Chitaroni claims are discussed with the text of this report.

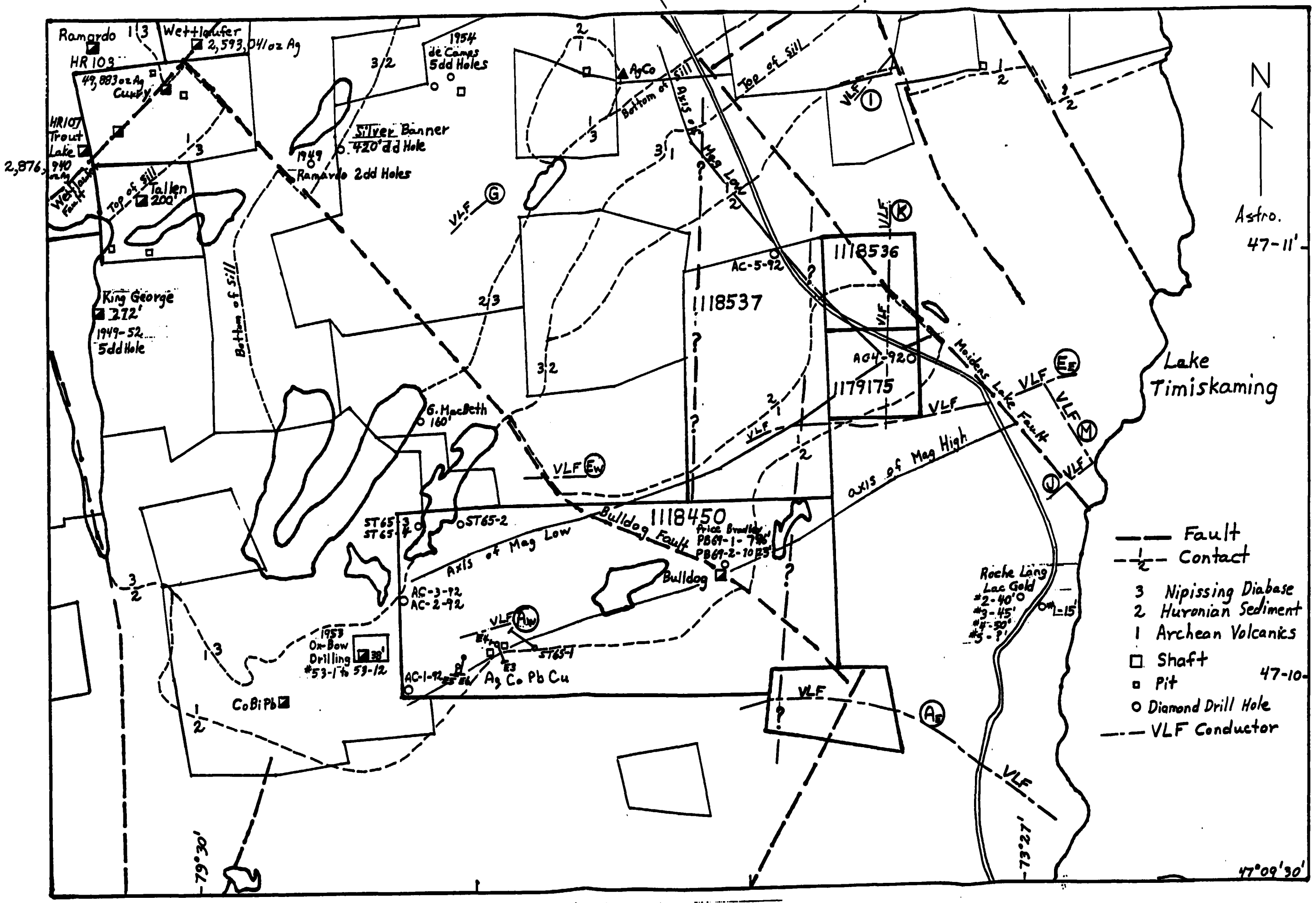


Figure: 1 Geology and Compilation of Exploration Activities

Economic Geology
(Figures: 1 & 2)

All mining and most exploration in South Lorrain Twp. has been concentrated in a 4 x 5 mile area were Archean basement rocks are exposed. Flat lying Huronian sediments rest in angular unconformity on this steeply dipping Archean volcanic basement. Silver deposits were mined from steeply dipping vein deposits near the upper and lower contacts of a Nipissing diabase intrusive to the north and northeast of the Chitaroni claims. This diabase dips south onto these claims. East trending felsic volcanics (calc-alkalic, 1992 analysis), having a northerly dip, cut across the full length of the Chitaroni claims. The volcanics to the north and northwest are mafic. To date most recorded exploration and all mining activities have been devoted to highgrade Co-Ag veins.

The primary exploration targets for the Chitaroni claims and the surrounding area are highgrade Co-Ag veins and volcanogenic massive sulphide Cu-Zn-Ag deposits. Regionally Co-Ag deposits occur as steeply dipping calcite veins (+/- quartz) having associated base metal sulphides in Archean wall rock. The area of massive sulphide potential is the sheared band of felsic volcanics that trend east-west through this claim group. To the east and west the felsic volcanics are obscured by flat lying Huronian sediments.

Prominent schistose zones having low Au values are potential hosts for gold deposits. Any zones of ferroan-dolomite ankerite alteration or potassium enrichment (sericite or K-feldspar) should be treated as gold prospects. Trends of magnetic lows or breaks in magnetic highs should also be examined to evaluate gold potential.

Any sulphide or oxide concentrations encountered in Nipissing diabase that are not directly associated with calcite veins should be assayed for platinum group metals as this is a differentiated mafic intrusive.

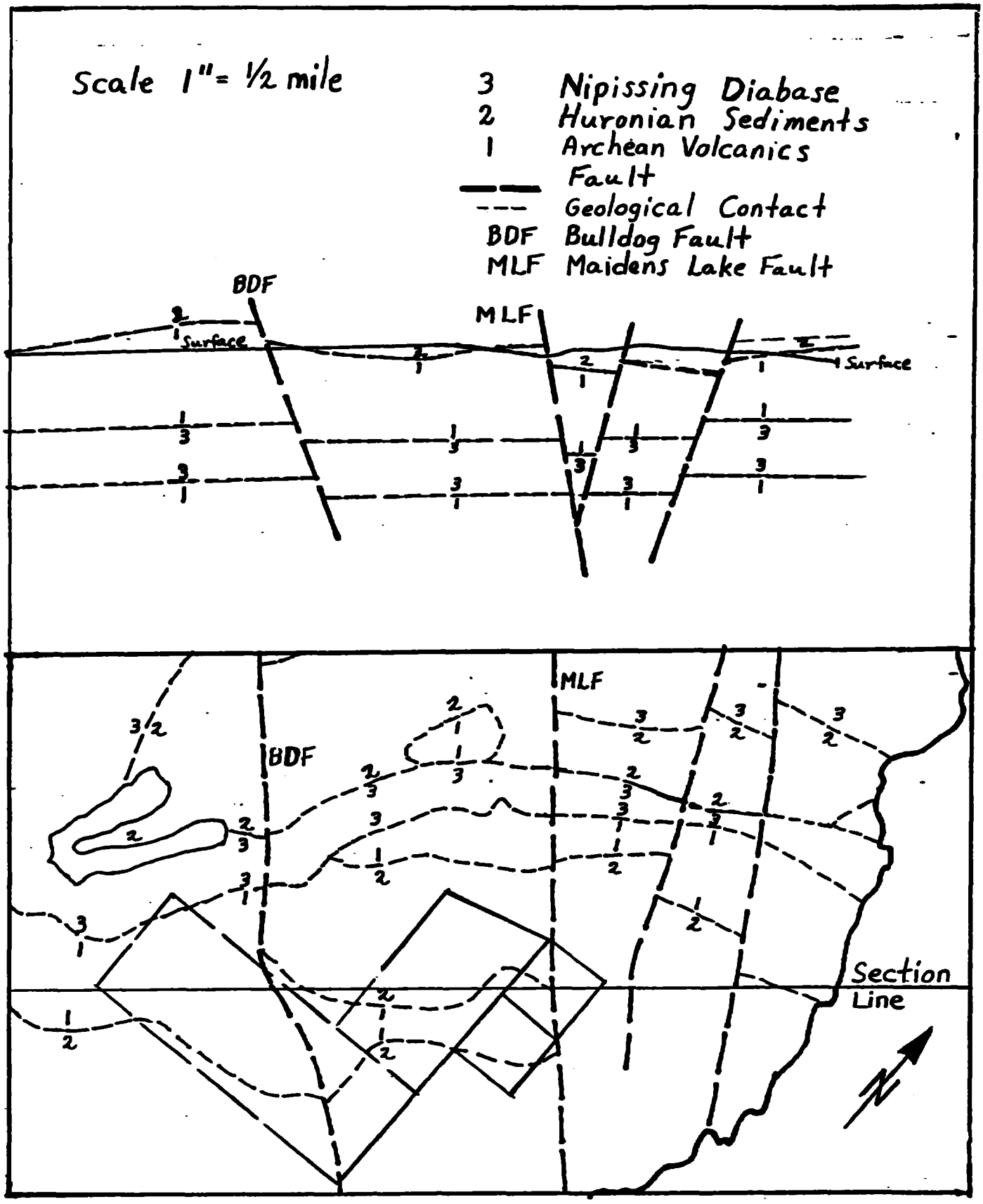


Figure: 2 Geological Plan & Hypothetical Section of Chitaroni Claims

Mining and Production: South Lorrain Township (Table:1)

Silver production in South Lorrain Township was restricted to 10 mines. The Canadian Lorrain and Nipissing Lorrain mines produced minor silver near the lower contact of the Nipissing diabase. All remaining production was from workings in 2 vein systems associated with the upper contact of the Nipissing diabase.

1. From north to south the Bellellen, Harris, Frontier, Canadian Keeley and Ramardo mines produced silver from a system of veins associated with a strong fault vein (Woods Vein). The Woods vein trended north and dipped approx 65° east and appears to steepen in the diabase. The Keeley workings penetrated to the base of the sill where minor highgrade silver was discovered in the Woods vein and one other vein.

2. From east to west the Wettlaufer, Curry and Trout Lake produced silver from a system of veins associated with the Wettlaufer Fault. Production from the Wettlaufer and Curry properties was from the portion of the Wettlaufer fault cutting the Nipissing diabase. Production from the other associated veins was from the volcanics and diabase along the upper contact.

The Ramardo, Wettlaufer, Curry and Trout Lake Mines are located at the northwest corner of Figure: 1. All other production was from north of the compilation area.

Mine	Silver ounces	Cobalt pounds
Canadian Lorrain	276 825	16 678
Nipissing Lorrain	66 663	5 521
Bellellen (J. Price)	38 027	28 481
Harris (G. W. Levy)	13 659	26 286
Frontier	7 082 493	26 516
Canadian Keeley	12 154 353	1 617 784
Ramardo (claim HR103)	included in Trout Lake	
Wettlaufer	2 593 041	23 910
Curry	49 883	7 691
Trout Lake (Ramardo claim HR107)	2 876 940	315 078

Table: 1 Mine Production from South Lorrain Township

Discussion of Regional Silver Deposits

Within the Cobalt region 5 distinct silver mining areas including South Lorrain have yielded major silver deposits. These deposits consisted of steeply dipping calcite-silver-cobalt arsenide veins directly associated with shallow to flat dipping Nipissing diabase intrusives in close proximity to steeply dipping Archean volcanics. Where a thin horizon of flat lying Huronian sediments (50-300') lies between the lower contact of the Nipissing diabase and the underlying Archean volcanics the portion of the vein cutting the base of the Huronian sediments usually hosts the highgade silver zone of the ore vein.

Where Huronian sediments are absent or minor (<50') the highgrade portion of veins tend to be near the Archean-Nipissing contacts at the top or bottom of the diabase intrusive. Here the ore is hosted within volcanics and/or diabase and metal zoning tends to be symmetrical about the center of the diabase. Co-Fe-As mineralization extends vertically into the volcanics beyond the silver ore. Towards the center of the diabase the highgrade silver zones of veins commonly to terminate into barren carbonate veins.

Discussion of Silver Vein-Base Metal Association

Almost all Co-Ag deposits of Cobalt, North Cobalt and New Liskeard areas are directly associated with known stratiform exhalative base metal mineralization hosted within Archean volcanics. This Archean sulphide mineralization was in part altered during the hydrothermally activity associated with the formation of silver deposits. The direct relationship between vein silver deposits and these (conformable) exhalative base metal horizons appears to be real but an exact genetic relationship has not been conclusively established. In many mines this base metal mineralization is located near the Huronian unconformity, and it can be argued that it is related to geological events associated with this unconformity. However, it should be noted that exhalative base metal occurrences in the Cobalt camp are also spatially related to silver deposits well removed from the Huronian unconformity.

In South Lorrain Township exhalite horizons have not been identified although an Archean sedimentary (exhalite?) horizon may strike sub-parallel the Wood's vein system which hosted the majority of the silver mined in this township. The zone of felsic volcanics that strike in an easterly trend across the Chitaroni claims is a favourable host for volcanogenic Cu-Zn-Ag massive sulphides that could be the source of the silver mined in this township.

Faulting: a Geometric Model
(Figure: 2)

The compilation area lies between the north-west treading Montreal River and Lake Temiskaming faults which are part of the Ottawa Valley Rift System. Four localized faults having a similar trend cut the compilation area. These are the Bulldog fault (N35-65°W), the Maidens Lake fault (N40°W) and two unnamed faults. These four faults appear to be part of this rift system.

In underground workings of the silver mines at Cobalt, the author has observed a number of steeply dipping (65-85°) northwest trending faults that appear to be related to this rift system. These faults predate the Nipissing diabase and steeply dipping Archean-Nipissing contacts generate apparent vertical offsets of 10-300. These faults often host Co-Ag veins. Auxiliary ore veins, having simple dilation, commonly intersect these fault veins at a high angle.

The ground west of the two unnamed faults appear to be faulted down in contrast to the Bulldog and Maidens Lake faults where the east side appears to be faulted down. McIlwaine noted incongruities in this apparent offset of the Maidens Lake Fault. If part or all movement along this fault predates the Nipissing diabase, as is the case of rift related faults at Cobalt, these incongruities can be rectified.

If these faults predate or are tectonically associated with the intrusion of the Nipissing diabase, these faults and associated structures are exploration targets for silver deposits similar to the veins mined in the Cobalt area. The dips and apparent offsets depicted in the vertical section of "Figure: 2" were drawn using the above geometric model derived from Cobalt area mines. This geometric configuration remains hypothetical as no direct evidence was compiled in this study.

Geologist R.A. Campbell of H. Ferderber Geophysics Ltd. indicated the possible existence of north trending faults, one along the west boundary of claim 1118537 and another along the east boundary of the same claim. This trend is parallel to the Woods vein, a fault structure that produced a major portion of production from this township.

Mineralization and Economic Potential of the Chitaroni Claims (Figures: 1 & 2)

The Chitaroni claims are located on the eastern portion of an easterly trending schistose, felsic (calc-alkalic) metavolcanic inlier. Prominent blue quartz eye phenocrysts are present. Base metal mineralization and cobalt vein occurrences on these claims also have an easterly trend. These showings have been explored by pits and shallow shafts and the mineralization was verified by shallow surface diamond drilling concentrated near a shallow shaft east of the Chitaroni claims and near shallow pits on these claims. Magnetite and disseminated pyrite concentrations are also noted, but their distribution is not systematically documented. A magnetic high anomaly on the west end of claim 1118450 is coincident with known occurrences of magnetite. These magnetite occurrences may mark exhalitive horizons that could be a sub facies of sulphide exhalitive horizons or massive sulphide deposits.

The base metal mineralization appears to be directly related to a Co-Ag vein system. Bearing in mind that almost all Co-Ag deposits of Cobalt, North Cobalt and New Liskeard areas are directly associated with exhalative base metal mineralization: this mineralization may be Archean sulphides remobilized by hydrothermal activity of the Co-Ag vein system.

The association of strong shear structures, base metal mineralization, cobalt veins and the upper contact of the Nipissing diabase (possibly 1400' below surface) indicate hydrothermal activity of the type that generated Co-Ag deposits was active in this claim group. The favourable horizons near the upper contact of the Nipissing diabase may be 900-1500' below surface.

The association of base metals, felsic (calc-alkalic) volcanics, a possible exhalite horizon and major silver production to the north indicate an economic volcanogenic massive sulphide deposit may occur within this claim group.

Prominent schistose zones having disseminated pyrite and low Au values are potential hosts for gold deposits. Any zones of ferroan , dolomite-ankerite alteration or potassium enrichment (sericite or K-feldspar) should be treated as gold prospects. Trends of magnetic lows or breaks in magnetic highs should also be examined to evaluate gold potential.

A long north easterly trending negative magnetic anomaly along the north edge of the claim group appears to reflect volcanic stratigraphy. A north trending negative magnetic anomaly coincident with Hwy 567 appears to crosscut the regional trend. Also the Bulldog Shaft is coincident with a break in the trend of the prominent positive magnetic anomaly.

The claims should be mapped to explain the causes of these three negative magnetic anomalies and the prominent positive anomaly.

Any sulphide or oxide concentrations encountered in Nipissing diabase that are not directly associated with calcite veins should be assayed for platinum group metals as this is a differentiated mafic intrusive.

Diamond Drilling, Ox-Bow Silver Mining Company Limited (1953)

Ox-Bow Silver mining Company Limited (OBSM) drilled 11 in 1946-7 and possibly 12 holes in 1953 on claim T26507 (now S470919) located directly west of claim #1118450. No information documenting collar location and footages drilled in 1946-47 was located. The GDIF for South Lorrain noted hole #1 drilled in 1947 intersected Co and Ag. The 1953 data derived from various sources is tabulated below.

Ox-Bow Silver Mining Company Limited (April-May 1953)

Hole #	Claim(formerly)	Length	Azimuth	Dip	Location
53-1	470919(26507)	558	244°	-56°	83N 180E
53-2	470919(26507)	204*	260°*	-44°*	85N 150E
53-3	470919(26507)	335*	288°*	-45°*	37N 46E
53-4	470919(26507)	229	186°*	-50°*	127N 19E
53-5	470919(26507)	167	258°	-55°	35N 58E
53-6	470919(26507)	83	258°	-65°	36N 57E
53-7	470919(26507)	98	180°	-45°	78N 17E
53-8	470919(26507)	200	180°	-60°	78N 17E
53-9	470919(26507)	224	186°	-75°*	78N 17E
53-10	470919(26507)	403	006°	-45°*	62N 01E
53-11?	470919(26507)	?	155°?	?	61N? 05E?
53-12?	?	?	335°?	?	? ?

* Azimuths and dips taken from the Oxbow Silver Mining Company Limited (OBSM) diamond drill hole plan.

Note! Discrepancies exist between diamond drill logs and the diamond drill plan for the above holes. In the above chart the drill logs are assumed to be more reliable and are the source of footages, azimuths and dips of drill holes except as noted above. The position of drill hole collar locations relative to the Oslund Shaft are all measured from the OBSM diamond drill plan.

Two generations of diamond drill hole locations are plotted on the OBSM drill plan. These appear to be:

a. plots of proposed drill hole layouts designated by a single digit signifying a hole number (are not recorded above)
b. plots of drilled holes drilled with the designation DDH-53-# or DDS-53-# (recorded above)

Oxbow Silver Mines Limited (1953)

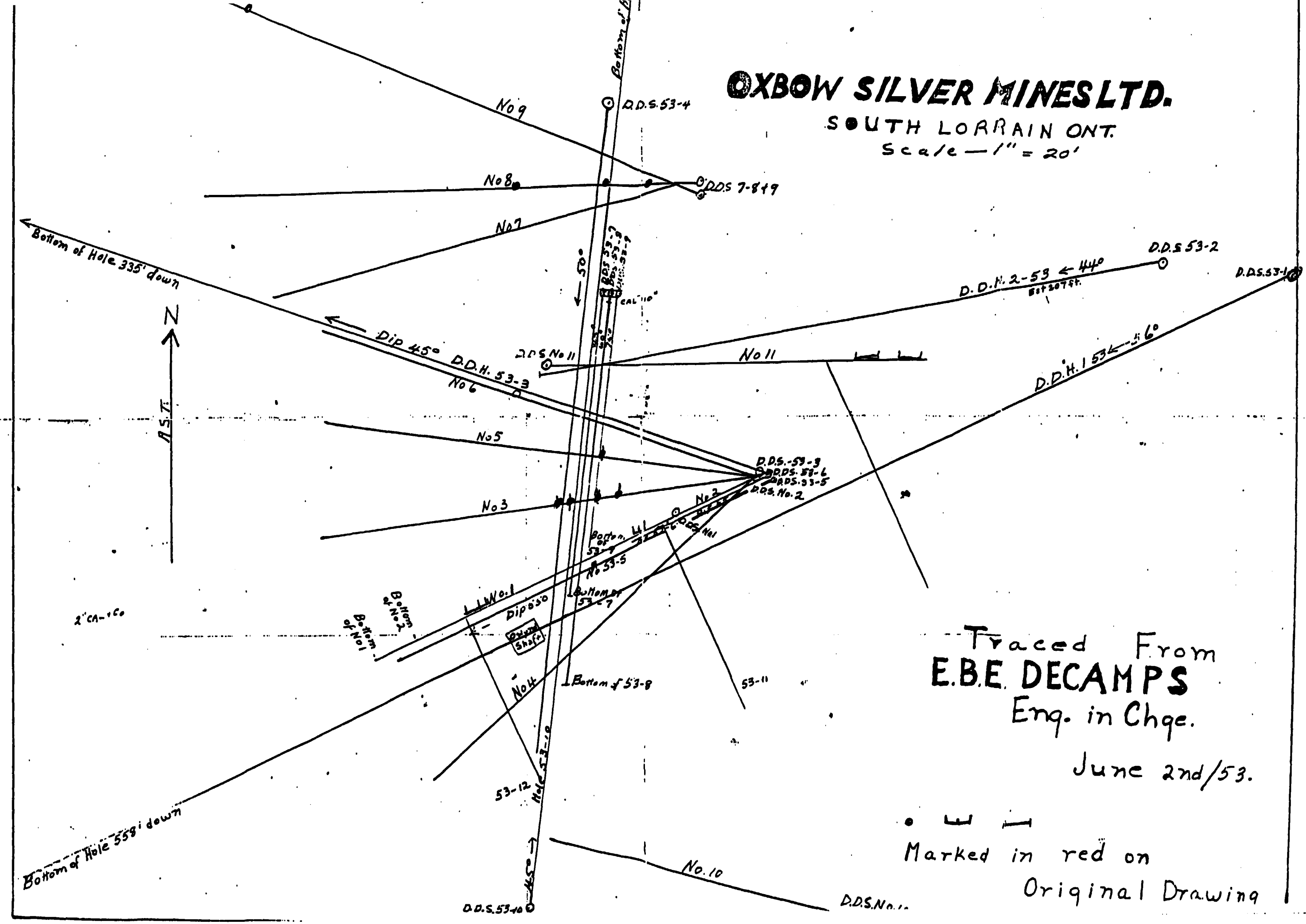
Hole #	Length	Description
53-1	558	Keewatin schist to 532', 532-558 (Nipissing?) Diabase; 417' Ca,Pb, 418' Pb in schists 445' qtz vein
53-2	204	no log
53-3	335	no log
53-4	229	no log
53-5	167	schist; Cu + Pb 84' 2"CaCo vein
53-6	83	Schist; Fe, Cu, & Pb sulphides, 61.8' 1/2 Co ground vein
53-7	98	Schist & porphyry; 72.5-75' 5/8" massive Co vein & Bi
53-8	200	Schist; Mineralization, 95'6" broken core Dis Co
53-9	224	no log
53-10	403	no log
53-11?	?	no log
53-12?	?	no log

These holes, only one of which intersected the underlying Nipissing diabase, were all collared within 200 feet of a 38 foot shaft. Four holes 53-5,6,7,8 returned significant cobalt intersections 52 to 82 feet below surface and 361 to 391 above the diabase contact. Hole 53-1 intersected the vein structure; calcite stringers and galena at 416'6", 347' below surface and 96' above the diabase contact. It is not known if the other holes intersected significant structures. It is likely most of these holes were to shallow to reach the areas having the best potential for silver veins as the best silver values of veins tend to be near the contacts of Nipissing diabase.

OXBOW SILVER MINES LTD.

SOUTH LORRAIN ONT.

Scale — 1" = 20'



Traced From
E.B.E. DECAMPS
Eng. in Chge.

June 2nd/53.

Marked in red on Original Drawing

Diamond Drilling, Elite Cobalt Mines Ltd. (1956)

Elite Cobalt Mines Ltd. (1956)

Hole #	Claim(formerly)	Length	Azimuth	Dip	Location
E3	1118450 (35918)	329	161°(S10°E)	35°	047N, 1121E
E4	1118450 (35918)	204	286°(N65°W)	44°	034N, 1154E
E5	1118450 (35918)	208	193°(S22°W)	45°	123S, 519E
E6	1118450 (35918)	501	193°(S22°W)	60°	000N, 567E

The origin of the Elite Cobalt grid (0+00N, 0+00E) is at or near No. 3 Post of former Claim 35918. A notation on a sketched diamond drill plan indicates grid is on magnetic coordinates. The azimuths {in (magnetic bearings)} and collar coordinates as reported in the diamond drill logs are reported in the above chart.

Elite Cobalt Base Mines Ltd. (1956)

Hole #	Length	Description
E3	329	schistose rock & basalt; Cu (cobalt bloom reported a few feet from the collar. hole tested below swamp south of galena showing)
E4	204	basalt; Cp + Pb (drilled below large pit and a veinlet containing cobalt)
E5	208	schistose rock & basalt; Pb + Cp (drilled below pit)
E6	501	schistose rock & basalt (drilled to test downward extension of Pb mineralization intersected in hole E5)

This property was sold to Silver Tower in 1965.

(magnetic)

ELITE COBALT MINES LTD

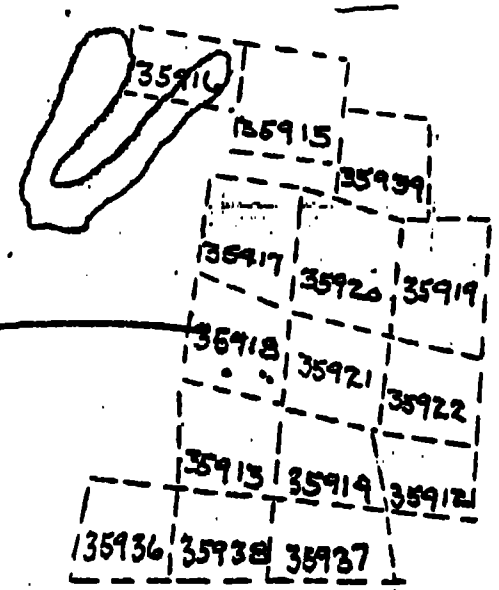
GROUP - 15 UNPATENTED

MINING CLAIMS

35912 - 22 (inclusive)

35936 - 39 "

OR-



CLAIM #35918

POST #3

100

200

300

400

E-6

296° - 44°
204'

E-3

E-4

BASE LINE (E-W MAGNETIC)

00 N

E-5

#3
161° - 35°
329'

E-5 - 193° - 45° 208'
E-6 - 193° - 60° 501'

1" = 200'

SOUTH LORRAIN TWP

TEMISKAMING MINING DIVISION

Diamond Drilling, Silver Tower (1965)

Silver Tower (July-Aug. 1965)

Hole #	Claim(formerly)	Length	Azimuth	Dip	Location
ST65-1	1118450 (T54163)	750	308°(N52°W)	-60°	490'E of #4 post 54165
ST65-2	1118450 (T54160)	260.5	010°(N10°E)	-45°	400'S, 250'W of #1 post 54160
ST65-3	470920 (T54160)	508	125°(S55°E)	-50°	500'S, 65'E of #4 post 54160
ST65-4	470920 (T54160)	205	135°(N52°E)	-40°	500'S,50' E of #4 post 54160

Silver Tower (July-Aug. 1965)

Hole #	Length	Description
ST65-1	750	Basic Volcanics & sheared quartz (blue) eye porphyry 339' 1/2"CaPb (tested below narrow surface Ca Vein in schist)
ST65-2	260.5	acid volcanics 125' 3-6"CaCp (tested a strong E-W topographic feature)
ST65-3	501	Nipissing diabase lake) 449' 6"Ca (+fault?) (tested diabase near upper contact below lake)
ST65-4	205	Nipissing diabase (tested diabase near upper contact below lake)

It is not possible to determine accurate collar locations of these holes as the staking fabric recorded on the Mining Recorder's and Silver Tower maps and the location of geological contacts are inconsistent. I have plotted hole ST65-1 in Archean volcanics, north of its indicated position.

Holes E-3, E-4, E-5, E-6 and ST65-1 intersected significant Co-Cu-Pb mineralization in calcite veining consistent with surface exposures in this area. Similar mineralization and veining are as expected in the silver deficient portion of veins systems farthest from the Nipissing diabase. The favourable area along the upper (also the lower contact) contact of the Nipissing diabase may be deep, possibly 1500 feet below surface to the diabase.

The 6' veins intersected in holes ST65-2 and St65-3 are sufficiently strong to host major silver ore zones.

Diamond Drilling, Albert Chitaroni (1992)
(Figures 1, 3 & 4)

Albert Chitaroni (BQ core Sept 1992)

Hole #	Claim	Length	Azimuth	Dip	Location
AC-1-92	1118450	50	0°	-60°	30' N of #3 post 1118450
AC-2-92	1118450	100	180°	-45°	150' N,20'E of line post 400 m N of #3 post 1118450
AC-3-92	1118450	50	0°	-45°	150' N,20'E of line post 400 m N of #3 post 1118450
AC-4-92	1179175	50	120°	-45°	Hwy 567
AC-5-92	1118537	25	180°	-45°	Hwy 567

Albert Chitaroni

Hole #	Length	Description
AC-1-92	50	Metagabbro magnetite (5-10%), Hematite, py + Cp (1-3%) 43.8' 1½ QtzCa 50° 44.8' 1¼ QtzCa 45° whole rock sample 14 (F8166)
AC-2-92	100	chloritic (blue) quartz eye schist + laminated (sheared) rhyolite; magnetite, Py + Cp 72' 4" QtzChl whole rock samples 15-16 (F8167-68)
AC-3-92	50	chloritic schist; Py(1-3%), + Cp (<1%) whole rock sample 17 (F8169)
AC-4-92	50	laminated (sheared) dacite & porphyritic dacite Py (1-2%) + Cp whole rock sample 18 (F8170)
AC-5-92	25	bleached cherty metabasalt Hematite gossan, Py, + Po (minor) whole rock sample 19 (F8171)

Sample Locations, Albert Chitaroni (1992)
(Figures: 3 & 4)

map #	Description
1	chip sample, Hwy 567 roadcut 300' northwest of hole AC-4-92 (claim 1179175) rhyolite quartz-eye porphyry Some pyrite, minor chalcopyrite
2	Chip sample along power line along claim line south of #4 post 1179175 rhyolite porphyry, highly sheared and interlaced with many quartz stringer/veinlets to several inches thick pyrite & minor chalcopyrite
3	composite chip sample from rock cut along Hwy 567, claim 1179175 at hole AC-4-92 altered sheared felsic rhyolite or dacite, greenish grey, gossan and hematite stain on slips pyrite & some chalcopyrite on fresh surfaces
4	chip sample from rockcut along Hwy 567 150' northwest from sample #3 grey dacite or rhyolite? minor hematite staining & pyrite
5	chip sample from along Hwy 567 near hole AC-5-92 bleached chloritized basalt slightly foliated/sheared in places quartz-calcite stringers containing much hematite, some pyrite and minor malachite
6	muck sample at pit 500' N, 180' E of line post 1600' west of #2 post 1118450 metadiabase-gabbro chalcopyrite, & some galena
7	muck sample same location as sample #6 much pyrite
8	chip sample, East of pond approx. 80' west of claim #1118450 along bluff beside swamp strongly altered mettagabbro?some hematite and pyrite
9	chip sample approx. 120' west of hole AC-2-92 quartz-eye tuff (small qtz-eyes) foliated/sheared some pyrite, possibly galena

10 chip sample from location of hole AC-2-92
quartz-eye tuff (larger qtz-eyes than sample #9)
minor pyrite, pyrrhotite & chalcopyrite

11 chip sample 580' due east of hole AC-2-92
chloritized schist, resembles interflow sediment (no graphite)
much pyrite, minor pyrrhotite + (chalcopyrite?)

12 chip sample 20' east of sample #11
600' east of Hole AC-2-92
altered metagabbro, possibly a flow top
10-20% magnetite, minor sulphides, mostly pyrite

13 chip sample at hole AC-1-92
30' north of #1 post 1118450
altered metagabbro, possibly a flow top
minor pyrite + disseminated galena or magnetite

14 (F8166) Hole AC-1-92 32.5-33.3'
Metagabbro (metadiabase) 5-15% magnetite

15 (F8167) Hole AC-2-92 54.7-55.5
quartz eye chlorite schist

16 (F8168) Hole AC-2-92 97.4-98.2'
laminated rhyolite

17 (F8169) Hole AC-3-92 31.4-32.3'
Laminated chlorite schist

18 (F8170) Hole AC-4-92 37.8-38.8'
chlorite dacite porphyry

19 (F8171) Hole AC-5-92 9.9-10.7'
metabasalt, bleached cherty appearance
5-8% hematite and sulphides

20 (F8172) quartz-eye rhyolite porphyry
Hwy 567 rockcut at location of Sample #1.

21 (F8173) grey dacite or rhyolite?
minor hematite staining & pyrite
chip sample from rockcut along Hwy 567
same location as sample #4

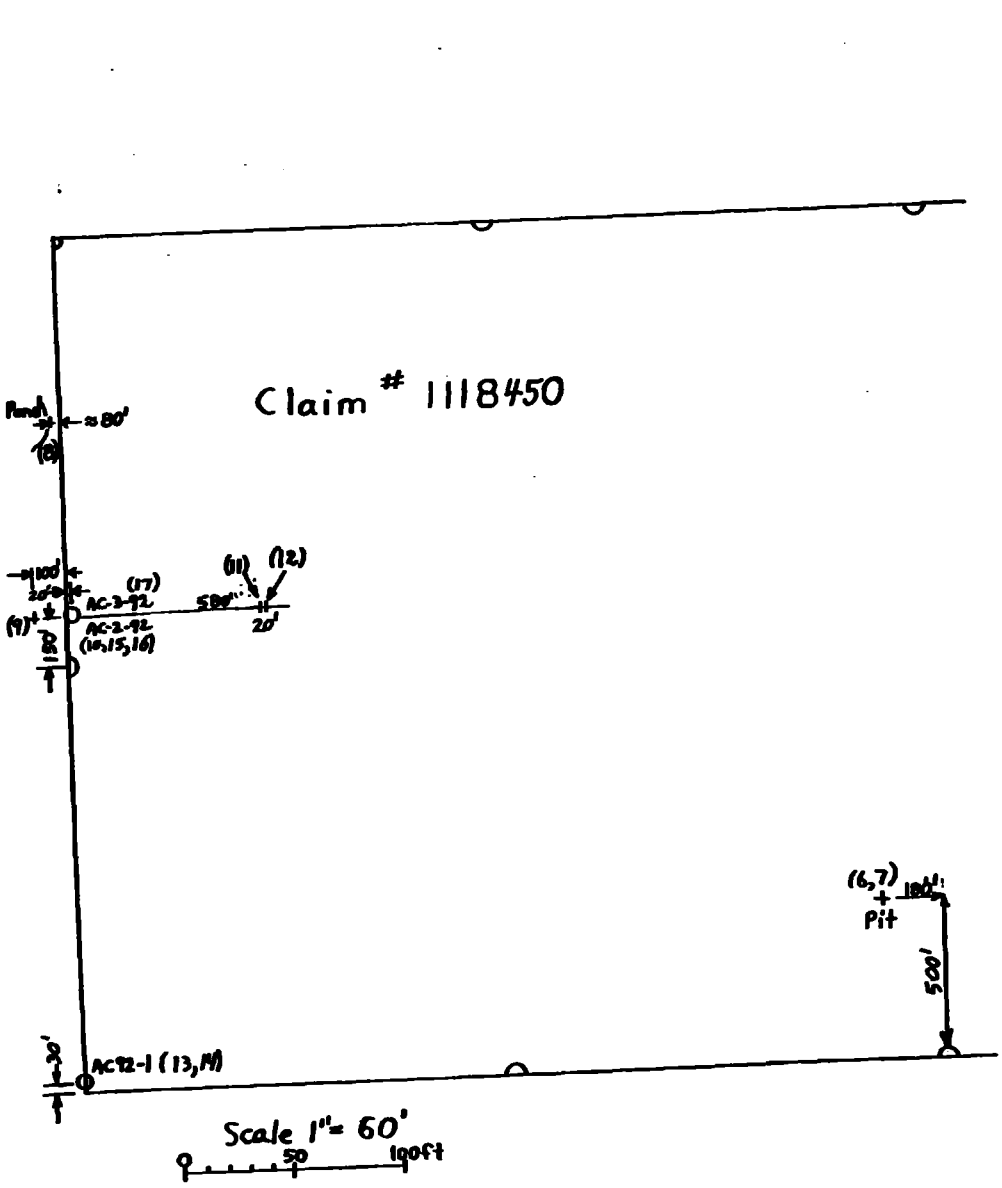
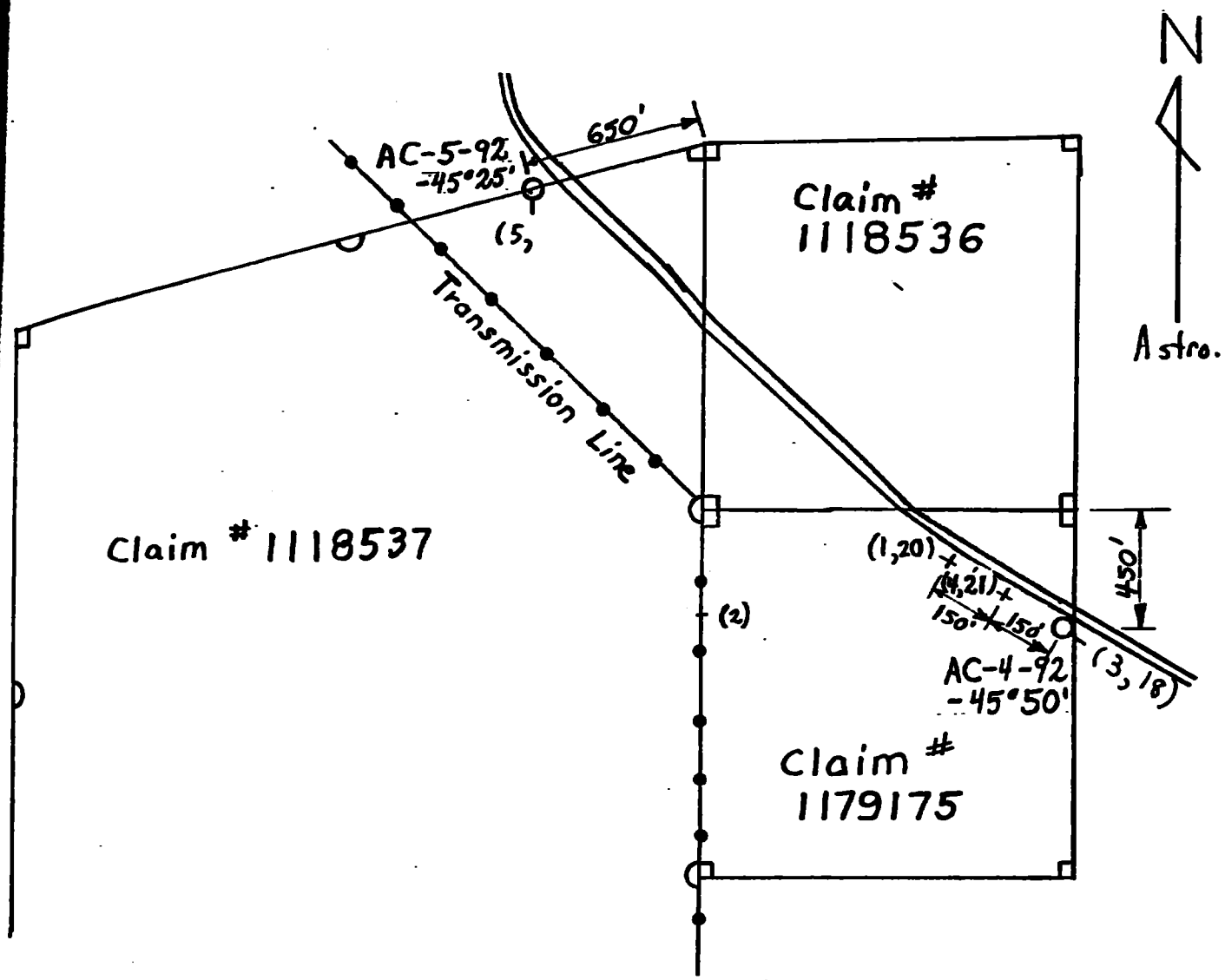


Figure:3 1992 Diamond Drill and Rock Sample Locations



Scale 1" = 60ft.

0 . . . . 50 100ft

Figure: 4 1992 Diamond Drill and Rock Sample Locations

Sample Analysis, Albert Chitaroni (1992)

Lithogeochemical Analysis, Albert Chitaroni (1992)

Map #	1*	2*	3*	4*	5*	6	7
Sample#	8066	8067	8068	8069	8110	8018	8019
Au oz/t	nil	nil	tr	tr	0.015	-	0.007
Ag oz/t	-	-	-	-	tr	-	0.96
Cu	30	40	760	100	790	215	-
Pb	-	-	-	-	110	301	-
Zn	-	30	40	30	120	36	-
Co	-	-	-	-	-	-	-
Ni	-	-	-	-	140	-	-
Mo	-	-	-	-	-	-	-

Map #	8*	9	10	11*	12*	13*
Sample#	8020	8021	8022	8174	8175	8165
Au oz/t	-	-	-	0.003	0.023	-
Ag oz/t	-	-	-	0.29	0.25	-
Cu	-	-	29	1400	240	70
Pb	-	<10	<10	60	20	-
Zn	89	59	30	140	-	170
Co	-	-	-	-	-	30
Ni	-	-	-	20	-	-
Mo	-	-	-	10	-	-
Pd	-	-	-	-	<10ppb	-

* Analysis converted from % to ppm

Whole Rock Analysis, Albert Chitaroni (1992)

Map #	14	15	16	17	18	19	20	21
Sample#	F8166	F8167	F8168	F8169	F8170	F8171	F8172	F8173
SiO_2	45.05	71.68	74.50	43.84	67.00	46.40	72.11	67.84
Al_2O_3	15.97	11.88	13.10	16.71	13.03	14.71	15.39	14.01
Fe_2O_3	15.39	4.61	2.32	15.70	5.15	13.77	1.53	4.23
MgO	4.55	2.22	0.55	8.58	2.41	6.39	0.54	1.86
CaO	9.15	0.35	0.17	2.05	2.39	10.09	0.58	3.32
Na_2O	3.32	4.71	5.84	3.69	4.27	2.36	6.82	4.19
K_2O	0.64	0.96	2.27	1.93	1.05	0.33	1.56	1.22
P_2O_5	0.030	0.001	0.070	0.130	0.090	0.180	0.060	0.130
TiO_2	1.211	0.298	0.123	0.912	0.414	1.087	0.157	0.346
MnO	0.284	0.033	0.014	0.344	0.048	0.249	0.011	0.060
BaO	0.019	0.023	0.038	0.094	0.025	0.016	0.100	0.060
Cr_2O_3	0.065	0.018	0.015	0.123	0.024	0.081	0.014	0.020
SrO	0.037	0.004	0.003	0.010	0.009	0.016	0.071	0.012
LOI	2.5	1.4	0.5	5.4	2.6	2.9	1.0	2.5
Total%	98.2	98.2	99.5	99.5	98.5	98.6	99.9	99.8

Acid (Aqua-Regia) Digestion

Map #	14	15	16	17	18	19	20	21
Sample#	F8166	F8167	F8168	F8169	F8170	F8171	F8172	F8173
Au ppm	<3	<3	<3	<3	<3	<3	<3	<3
Ag ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cu ppm	55	17	20	19	33	100	13	79
Pb ppm	34	5	<2	4	<2	<2	3	11
Zn ppm	159	28	10	347	59	80	25	203
Co ppm	23	5	3	20	13	36	3	9
Ni ppm	47	15	15	106	29	75	9	16
As ppm	18	5	4	16	15	22	3	9
Ca %	1.22	0.13	0.05	0.40	1.04	1.34	0.20	1.13
Mg %	1.83	1.27	0.33	3.98	1.37	2.21	0.22	1.08
Fe %	6.22	3.19	1.88	8.09	3.27	5.4	0.94	2.41
Al %	2.70	1.61	0.57	4.15	1.82	3.00	0.37	1.65

Airborne Geophysics, Albert Chitaroni (1992)
(Figure: 1)

On August 10, 1992 H. Ferderber Geophysics Ltd. conducted an airborne VLF-magnetometer survey of the compilation area. 13 VLF conductors were identified; including 3 (A_w, E_s, and K) located on the Chitaroni claims. Conductors A_s, E_w, J and M are located on open ground. The remaining conductors are situated on ground held by third parties.

A positive and a negative magnetic anomaly strike across the property at azimuth 065° crosscutting the prominent schistosity of the Archean volcanics. These magnetic trends appear to be formational and possibly parallel the Archean stratigraphy. The strong magnetic high on at the west end of claim 1118450 is associated with known magnetite mineralization and has a coincident VLF conductor "A_s". This anomaly may mark exhalite horizons and should be explored for volcanogenic massive sulphide deposits.

A north trending negative magnetic anomaly coincident with Hwy 567 appears to crosscut the regional trend. Also the Bulldog Shaft is coincident with a break in the trend of the prominent positive magnetic anomaly along the south edge of the claims. The trends of magnetic lows and breaks in magnetic highs should also be examined to evaluate Archean gold potential.

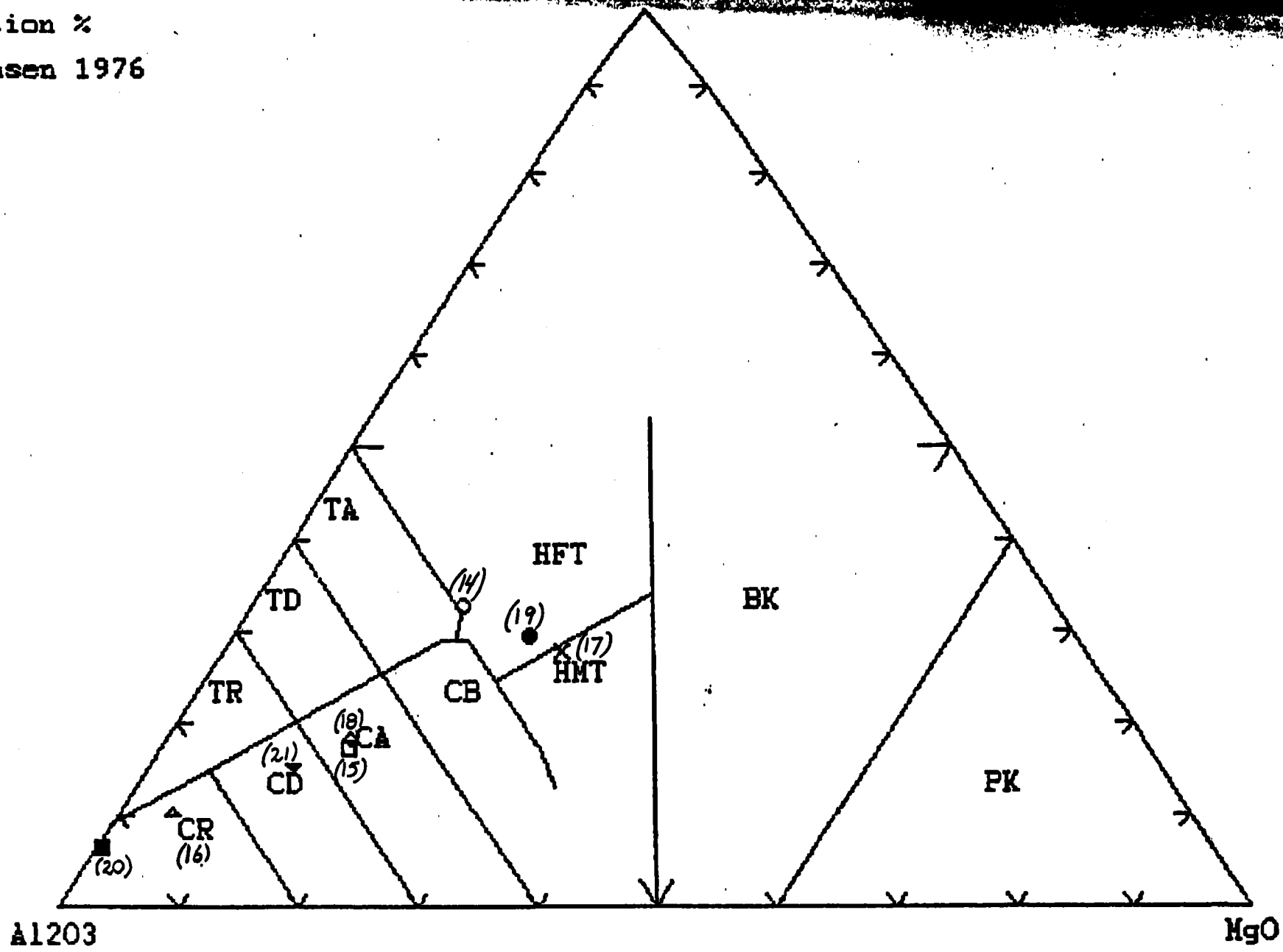
REGISTERED PROFESSIONAL ENGINEER
D. ROBINSON
PROVINCE OF ONTARIO

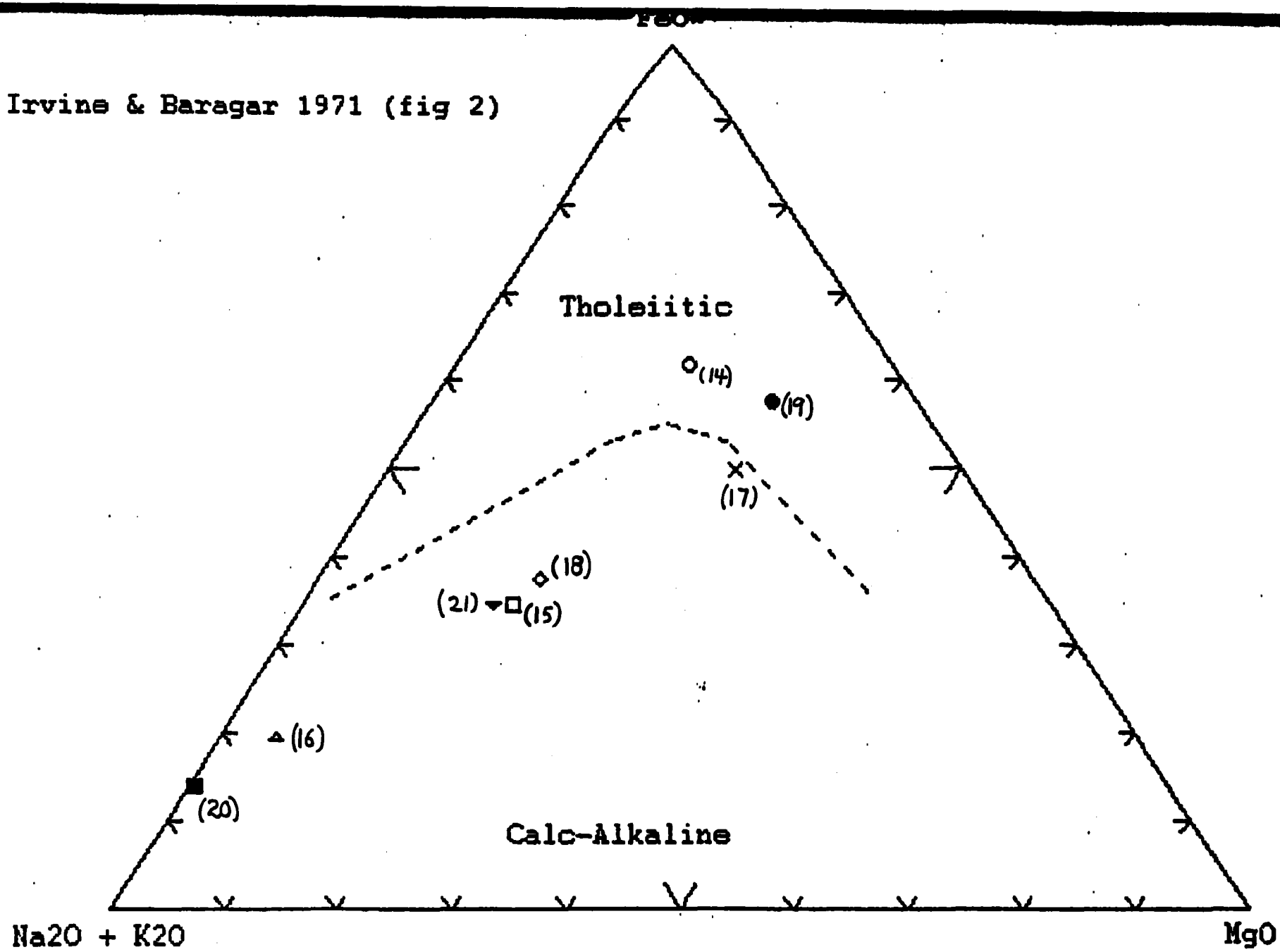
Douglas Robinson
Nov 30, 1992

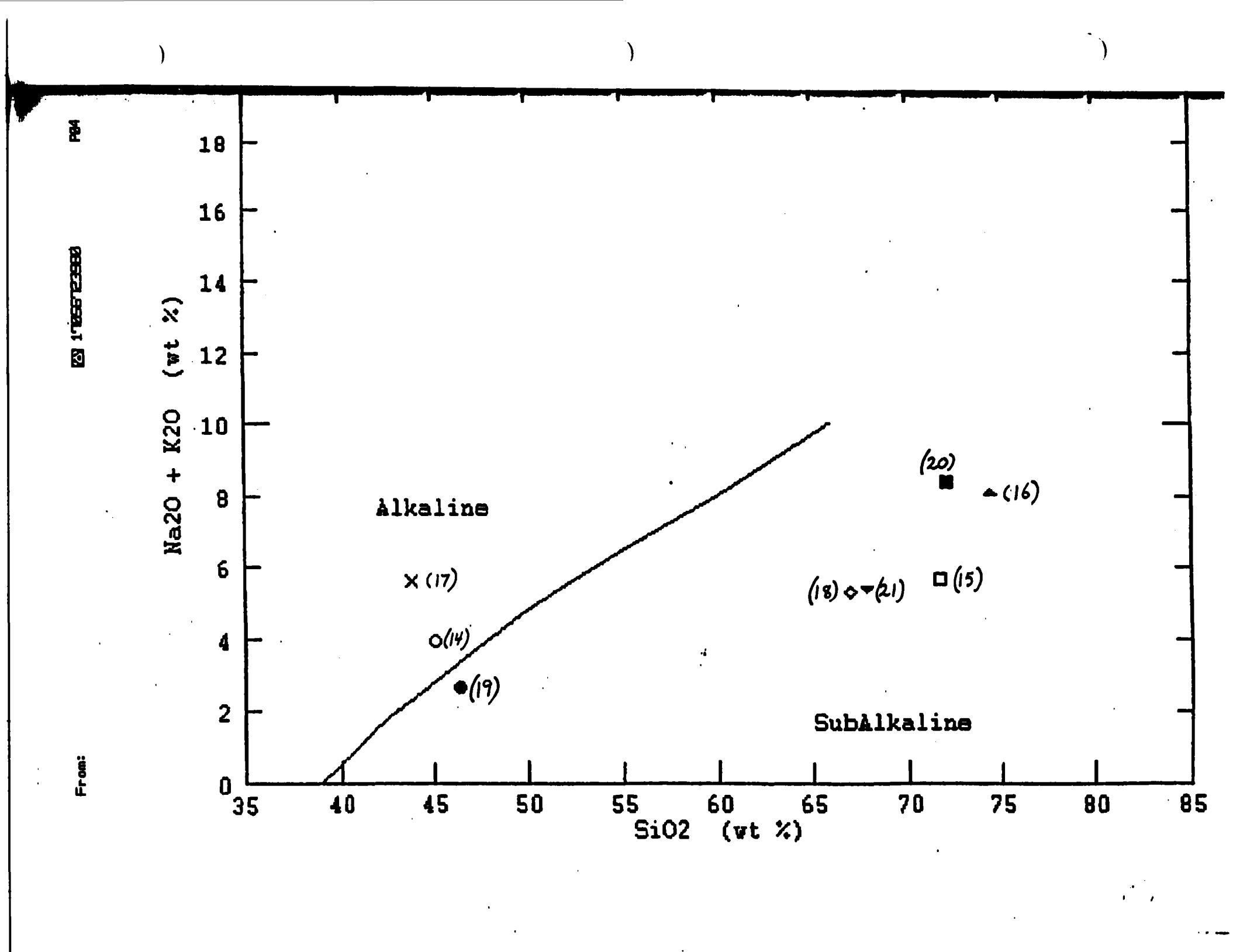
Appendix

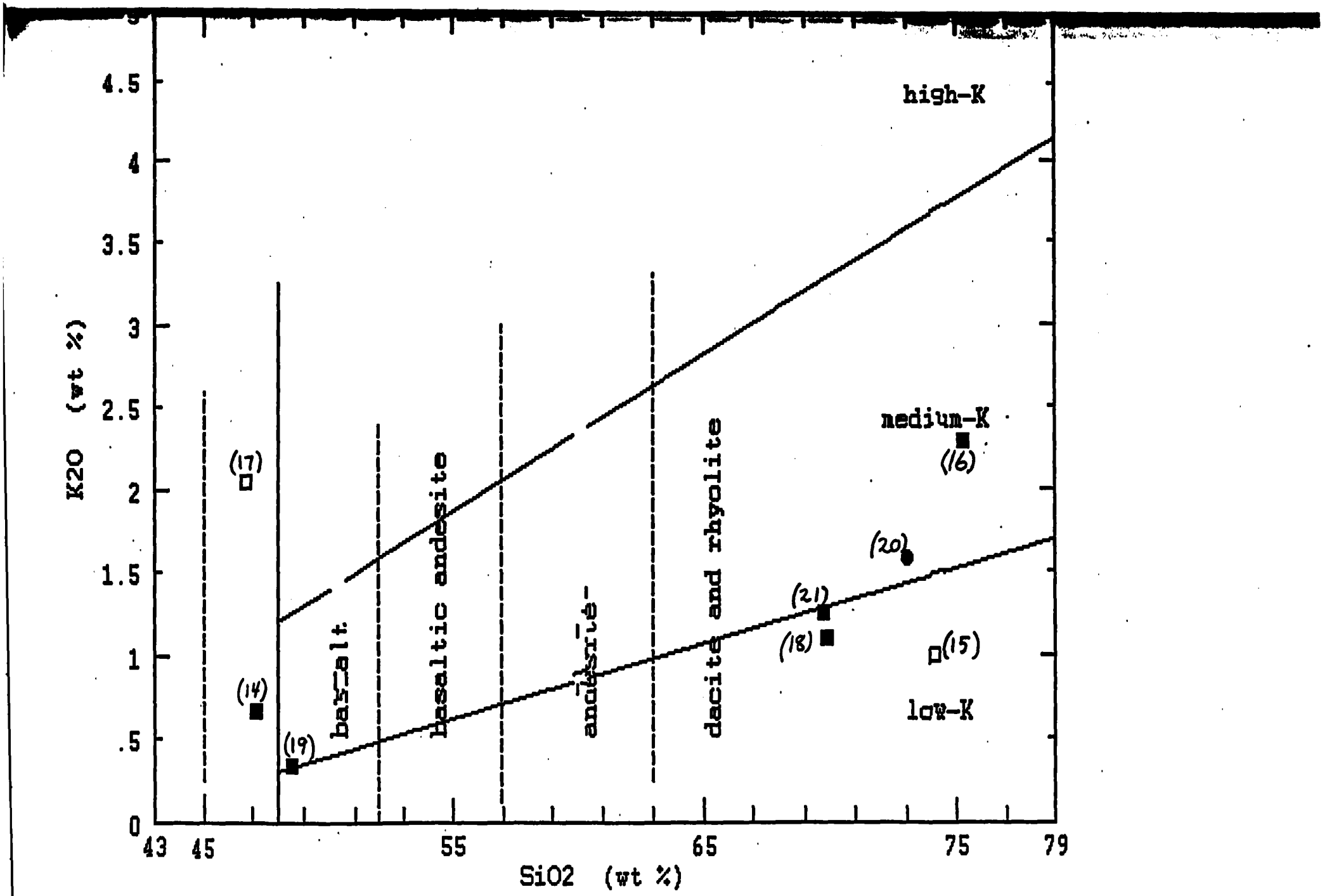
Cation %

Jensen 1976




Irvine & Baragar 1971 (fig 2)
FeOt
Tholeiitic
(14)
(19)
(17)
(18)
(21)
(15)
(16)
(20)
Calc-Alkaline
Na2O + K2O
MgO


Na2O + K2O (wt %)
SiO2 (wt %)
Alkaline
SubAlkaline
(14)
(15)
(16)
(17)
(18)
(19)
(20)
(21)
0
2
4
6
8
10
12
14
16
18
35
40
45
50
55
60
65
70
75
80
85


high-K
medium-K
low-K
basalt
basaltic andesite
andesite
dacite and rhyolite
(14)
(15)
(16)
(17)
(18)
(19)
(20)
(21)
K2O (wt %)
SiO2 (wt %)
0
.5
1
1.5
2
2.5
3
3.5
4
4.5
43
45
55
65
75
79

PROPERTY Ox - Bow Silver Mines Ltd. HOLE NUMBER 53-1

DIAMOND DRILL RECORD SHEET NUMBER 2

LOCATION: South Lorrain, Ont. STARTED Apr.18/53 SECTION FROM 325' to 558'

BEARING S 64° - W Completed Apr. 29/53

DIRECTION AT START:

DIP 56° 30' S.W. ULTIMATE DEPTH 558'

DEPTH FEET	FORMATION
325'-330'	All schist. Small showings of galena in planes
341'	Schist and small galena
344' 6"	Shattered rock and fine galena
350'	Same as above
350'8"	Schist grading into aplite
362'6"	Schist
369'	Schist
378'	Quartz ½"
400'	Allschist
411'6"	Schist
411'8"	Quartz - no min. 2" Schist
VD 397' 416'6"	Calcite stringers, all directions. Fine galena
418'8"	Rusty schist. Fine galena. (Sample taken -423' - 424'6")
425'	Schist
445'	Brocken, oxidisec, fine min. (6" Quartz vein Ng) generally better.
451'	Schist
452'9"	Cal. Stringers
458'	Schist 1" aplite
485'6"	Schist
VD 443 532'	Diabase
558'	Diabase - Bottom of hole

It seems probable that the downward extension of ee= certain veins on this immediate vicinity have been e disturbed by faulting.

DRILLED BY - BRADVILLE DIAMOND DRILLING & EXPLORATION COY. LTD?

SIGNED E.B.E. deC.

VD = 465'
HD = 308'

PROPERTY Ox-Bow Silver Mines Ltd. HOLE NUMBER 53-1

DIAMOND DRILL RECORD SHEET NUMBER 1

LOCATION: South Lorrain, Ont. STARTED Apr.16/53 SECTION FROM SURFACE TO 325'

BEARING S-64° - W Ast. COMPLETED APR. 18/53

DIRECTION AT START:
DIP 56° - 30' S - W

DEPTH FEET	FORMATION
3'	Casing
23'	Keewatin Schist
23'6"	Quartz-pyrite vein
40'	Kee. Schist. Narrow vein of orange coloured dolomite
46'	Schist practically vertical
48½'	Keewatin Conglomerate
53'	Schist
55'	New - work of veinlet - calcite
65'6"	Schist - Mineralized stringer 1½"
70'6"	Schist
75'	Porphyry (Apparently included)
86'6"	" " "
88'6"	Keewatin Conglomerate
108'	Schist
109'	Plentiful alteration marks
150'	Schist 90° all more or less mineralized
175'	All schist - nothing noteworthy
195'6"	All schist
199'6"	Massive; possibly intrusive
200'	Some cu.
206'6"	All schist
211'6"	Aplite, with cu. on E. wall and alteration marks
214'	Schist
214'3"	Mineralized feldspar breccia
217'6"	Dark well mineralized rock (Porphyritic?)
222'	Schist
225'	Aplite and some min.
250'	All schist; nothing to note
275'	All schist; nothing to note
280'	Schist
280'9"	Network of fine calcite stringers ($\frac{1}{20}$ cal.)
287'	Quartz vein 2"
300'	Schist and ½" vein of quartz.
318'	All schist
321'6"	Quartz vein 2"
325'	Schist

DRILLED BY -BRADVILLE DIAMOND DRILLING & EXPLORATION CO. LTD.

SIGNED E. B. E. DEC.

PROPERTY Ox- Bow Silver Mines ltd. HOLE NUMBER 53 - 5

DIAMOND DRILL RECORD SHEET NUMBER 1

LOCATION: South Lorrain, Ont. STARTED May 14/53 SECTION FROM SURFACE TO 167'

BEARING W 11° 30' S. COMPLETED May 15/53

DIRECTION AT START:
DIP 55° ULTIMATE DEPTH 167'

DEPTH FEET	FORMATION
0' - 6'2"	Casing
13'6"	Schist. 1" min.
15'	Min. & Ca. seams
50'	All schist with min. & Cal. seams
83'	Schist
VD 67 84'	Mineralized and a 2" calcite - cobalt vein
87'	Increasingly mineralized and cu. & pb.
100'	Same - schist getting steeper
125'	All schist - No particular interest
167'	Same. Bottom of hole

REMARKS: The presence of cobalt in this core makes the outlook very much better.

DRILLED BY- BRADVILLE DIAMOND DRILLING & EXPLORATION CO. LTD.

SIGNED E.B.E. de C.

VD = 137'
HD = 96

PROPERTY Ox - Bow Silver Mines Ltd. HOLE NUMBER 53 - 6

DIAMOND DRILL RECORD SHEET NUMBER 1

LOCATION: South Lorrain, Ont. STARTED May 15/53 SECTION FROM SURFACE TO 83'

BEARING West 11° 30' S. Ast. COMPLETED MAY 16/53

DIRECTION AT START:

DIP 65° ULTIMATE DEPTH 83'

DEPTH FEET	FORMATION
7'6"	Casing
25'	Badly broken, well min. fe - cu & pb. sulphides
23' - 24'6"	Quartz & min.
27'6"	Schist
28'6"	Quartz - fe - cu & pb. sulphides (dip of schist - steeper)
61'8"	Min. schist
61'8"	Cobalt in remaining part of vein in core ½" wide. Balance lost.
83'	Well min. schist to bottom of hole. viz. S 3'

REMARKS: This showing further confirms the vein of a he hopeful outlook. This showing would be in the same vein as in Hole 53/5 about 15 ft. east and slightly lower.

DRILLED BY - BRADVILLE DIAMOND DRILLING & EXPLORATION COY. LTD.

SIGNED E.B.E. de C.

VD = 75
HD = 35

PROPERTY Ox-Bow Silver Mines Ltd. HOLE NUMBER 53 - 7

DIAMOND DRILL RECORD SHEET NUMBER 1

LOCATION: South Lorrain, Ont. STARTED May 16/53 SECTION FROM SURFACE TO 98'

BEARING S 0° 30' E. Ast. COMPLETED May 18/53

DIRECTION AT START: DIP 45° ULTIMATE DEPTH 98'

DEPTH FEET		FORMATION
0'	15'	Casing
	17'8"	Porphyry
	91'	All schist dipping N. 75°
	97'	Porphyry
	98'	Schist - Bottom of hole
DETAILS.		
	18'6"	Quartz, stringer & Min.
	18'9"	" " "
	26'	" " "
	28'2"	" " "
	33'6"	" " "
	45'6"	" " "
	46'	" " "
	53'	" " "
	56' - 57'	" " "
	59' - 60'	" " "
	61'	" " "
	63'	" " "
72'	72'6"-75'	Massive cobalt about 5/8" inch wide in bend of vein, for 2'6". It evidently crosses formation & then appears to begin to change back, so as to conform. In addition co. was noted for a further 7'6". Some Bismuth & other grey min., possibly silver mins. Very promising cross section.
98' Bot. of hole		

DRILLED BY - BRADVILLE DIAMOND DRILLING & EXPLORATION COY. LTD.

SIGNED E.B.E. de C.

VD: 69

HD: 69

PROPERTY Ox-nBow Silver Mines Ltd. HOLE NUMBER 53 - 8

DIAMOND DRILL RECORD SHEET NUMBER 1

LOCATION: South Lorrain, Ont. STARTED May 18/53 SECTION FROM SURFACE TO 200'

BEARING S 0° 30' E (Ast) COMPLETED May 20/53

DIRECTION AT START: DIP 60° ULTIMATE DEPTH 200'

DEPTH FEET		FORMATION
0'	14'	Casing
	21'6"	Schist
	22'	Aplite
	25'	Schist
	39'6"	Schist, Streaked with quartz & min.
	50'	Old Diabase (Haileyburian?)
	75'	All schist (no variation in dip) streaked with quartz & min.
	89'	All schist
	91'9"	Schist with stringers of carbonate
	92'	Schist
VD: 92'	95'	Schist 6" broken core showed cobalt (disseminated)
	106'	Schist
	113'	Porphyry
	146'	Schist
	150'	Feldspar dike
	175'	All schist with veins of quartz - & little mineral
	200'	All schist with quartz streaks & some min.

REMARKS: The cobalt which occurs in 92' - 95' is in alignment with the showing 72'6" in hole No. 7 and is evidently part of the same vein.

DRILLED BY - BRADVILLE DIAMOND DRILLING & EXPLORATION COY. LTD.

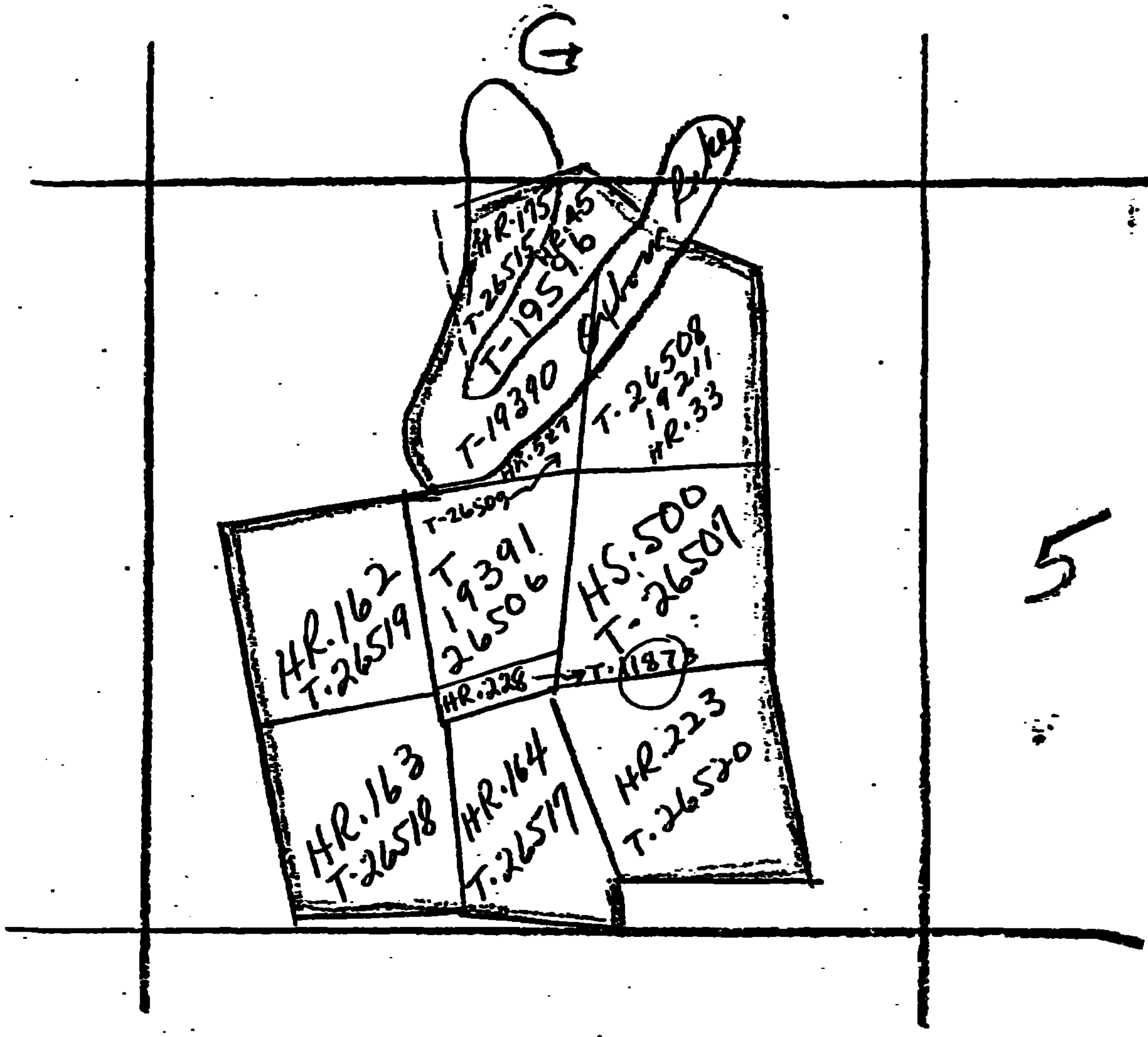
SIGNED E.B.E. de C.

VD: 173'

HD: 100'

1

OxBow Silver Mining Company Ltd. 5S-7E



5

The Oxbow SM ~~Mining Co. Ltd~~,

see separate folder)

optioned from Oxbow-Ag-MngCo
by ELITE COBALT MINE

5S/7E

5/G

ELITE COBALT MINES LTD.

South Lorraine Township — Timiskaming Mining Division

Log D.D.H. #E-3
Collar location: Claim #35918 — Bearing of hole S 10° E (mag.)
Latitude 47N — Dip of hole - 35°
Departure 1121E — Hole length - 329 ft.

180 - 9 = 171 - 10° = 161°

0 - 4 ft.	Casing
4 - 49 "	Keewatin volcanic fragmental lavas
58 - 73	Mineralized zone: a few specks to well disseminated pyrite, pyrrhotite and chalcopyrite, considerable quartz patches and a little calcite.
49 - 113	Soft intermediate to basic schistose to massive Keewatin lavas.
at 113 ft.	4" quartz vein breccia with a little pyrite.
at 143 ft.	½" calcite vein.
113 - 140	Keewatin volcanic fragmental lava.
140 - 143	Schistose.
143 - 147	Fragmental lava.
147 - 158	Fine grained basalt.
158 - 173	Keewatin volcanic fragmental lava.
173 - 225	Schistose to massive intermediate to basic lavas.
213 - 215	Mostly quartz.
at 223 ft.	3" quartz vein.
225 - 236	Keewatin lavas with considerable quartz.
236 - 263	Lavas, with a few hard pinkish narrow mixed calcite and quartz veinlets.
263 - 329	All massive to schistose soft Keewatin rocks.
329 ft.	End of hole.

Fred S. Dunn.

ELITE COBALT MINES LTD.

South Lorraine Township — Timiskaming Mining Division

Log D.D.H. #E-4

Collar location: Claim #35918 — Bearing of hole N 65°W (mag.)

Latitude - 34N — Dip of hole = 44°

Departure - 115W — Hole length = 204 ft.

-360
- 9°
351°
-65
286°

HD=142
HD=147

0 - 10 ft.	Casing.
10 - 25 ft.	Mixed fine and coarse fragmental Keewatin lavas.
25 - 75	Zone of economic interest: Several narrow veinlets of white and pinkish calcites, and quartz-calcite in joints, fractures and faults. A few specks of pyrite, galena and chalcopyrite in places. The rock is mixed coarse and fine fragmental Keewatin lavas.
72 - 74	Well to disseminated chalcopyrite and galena.
at 73½ ft.	Massive galena veinlet ¼ inches wide.
75 - 100	Mixed, mostly coarse fragmental Keewatin lavas with epidote alteration in spots.
102 - 107	Mineralized zone: Disseminated chalcopyrite, galena, pyrrhotite and pyrite.
107 - 110	A few specks to disseminated pyrite and pyrrhotite.
110 - 113	Mineralized zone: Disseminated chalcopyrite and galena.
at 118 ft.	Narrow quartz-calcite veinlet, ½ inches wide, some chalcopyrite and galena.
118 - 124	Zone of economic interest: A little calcite filled fracturing with slight chalcopyrite and galena mineralization.
100 - 204	Mixed coarse and fine fragmental Keewatin lavas and some massive basalt; epidote alteration in spots.
183 - 304	Zone of economic interest: Several soft white calcite veinlets in joints and fractures.
204 ft.	End of hole.

Fred S. Dunn.

ELITE COBALT MINES LTD.

South Lorraine Township — Timiskaming Mining Division

180
- 9
171°
+22
193°

Log D.D.H. #E-5

Collar location: Claim #35918 — Bearing of hole - S 22°W

Latitude - 123S — Dip of hole - 45°

Departure - 519E — Hole length - 208 ft.

VD=147

HD=147

0 - 12 ft.	Casing.
12 - 60 ft.	Interbedded coarse and fine fragmental Keewatin lavas.
60 - 71	Massive to schistose basaltic lavas.
71 - 86	Coarse and fine fragmental lavas.
86 - 88	Fine grained basalt.
88 - 90½	Corase fragmental Keewatin lava with spots of epidote alteration.
90½ - 92	Fine Keewatin basalt.
92 - 100	Fine to medium fragmental Keewatin lavas.
100 - 107	Mostly fine basaltic lava.
107 - 116	Coarse fragmental Keewatin lavas.
116 - 117	Very hard cherty quartz.
88 - 122	Mineralized zone: A few specks to disseminated pyrite pyrrhotite, chalcopyrite and galena.
at 103 ft.	Well mineralized, galena and some chalcopyrite.
at 105 ft.	Disseminated chalcopyrite and galena.
at 113 ft.	A little chalcopyrite and galena.
118 - 122	A few specks to disseminated mineral.
122 - 150	Mostly dark massive basalt.
at 138 ft.	A few specks of mineral.
150 - 160	Fine massive fragmental Keewatin lavas.
at 154 ft.	Grooved joint, possible fault.
at 159½ ft.	Grooved joint, possible fault, some reddish feldspathic material.
at 160 ft.	Grooved joint, possible fault.
160 - 173	Coarse massive fragmental Keewatin lavas.
173 - 178	Fine massive fragmental.
178 - 183	Fine schistose basalt.
181 - 183	Mineralized zone: a few specks to disseminated pyrite, pyrrhotite, some chalcopyrite and traces of galena.
at 183 ft.	Well mineralized white calcite veinlet 1/8 inches wide, chalcopyrite, pyrrhotite and pyrite.
183 - 192	Fine grained basaltic, schistose Keewatin.
192 - 199	Mixed, fine and coarse fragmental lavas.
199 - 202	Fine grained basaltic, schistose Keewatin.
202 - 208	Mixed fine and coarse fragmental Keewatin lavas.
208 ft.	End of hole.

Fred S. Dunn.

ELITE COBALT MINES LTD.

South Lorraine Township — Timiskaming Mining Division

Log D.D.H. #E-6

Collar location: Claim #35918 — Bearing of hole - S 22° W (mag.)
Latitude - 00N — Dip of Hole - 60°
Departure - 576E — Hole length - 501 ft.

VD = 434'
HD = 230'

0 - 6 ft.	Casing.
6 - 42 ft.	Mostly coarse fragmental Keewatin lavas; some epidote alteration.
42 - 64 ft.	Fine fragmental and basaltic Keewatin lavas.
64 - 82 ft.	Mostly coarse fragmental Keewatin lavas.
70 - 96	Zone of economic interest: A few narrow white calcite veinlets in joints and fractures, a few specks pyrite and chalcopyrite.
82 - 247	Alternating beds of fine and coarse fragmental and basaltic Keewatin lavas; epidote alteration in places.
130 - 135	Zone of economic interest: A 6 inch white quartz vein and two narrow white calcite veinlets.
247 - 258	Hard pinkish feldspathic fragmental rock.
at 254 ft.	Quartz vein, white, 6 inches wide.
258 - 281	Schistose fine fragmental to basaltic Keewatin lavas.
281 - 325	Mostly coarse fragmental lava with conspicuous epidote alteration.
at 287 ft.	½ inch veinlet of cream coloured calcite with slight galena and chalcopyrite.
307 - 314	Zone of economic interest: Two white calcite veinlets and a little chalcopyrite in epidote and reddish feldspathic material.
325 - 345	Schistose fine fragmental to basaltic Keewatin lavas.
- 344	Zone of economic interest: Four narrow calcite veinlets in joints and fractures.
344 - 385	Interbedded coarse to fine fragmental and basaltic Keewatin lavas.
at 365 ft.	A little pyrrhotite, chalcopyrite and fine galena.
385 - 395	Fine grained acidic fragmental.
389 - 390	Mostly quartz.
395 - 501	Mineralized zone: A few scattered specks to disseminated mineral, mostly pyrrhotite and pyrite, occasional galena and chalcopyrite in fine grained fragmental and basaltic Keewatin lavas.
at 396 ft.	6 inches of disseminated chalcopyrite in and around a fracture striking parallel to core.
at 431 ft.	Narrow quartz veinlet with some pyrite.
501 ft.	End of hole.

Fred S. Dunn.

PROPERTY Oslund Claims South Lorrain Twp.

HOLE No. S-T-65-1

LOCATION: 490' East of #4 Post of claim 54165

LATITUDE: STRIKE: N 52° W

DEPARTURE: DIP: -60°

ELEVATION: DATE DRILLED: 14 July - 5 August, 1965

PAGE No. 1

PURPOSE: To test below schist and narrow calcite vein tested on surface.

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
0 - 17	Casing			
17 - 57	ALL ROCKS fine grained uniform DIABASIC METAVOLCANIC possibly intrusive dark green numerous quartz-carbonate stringers generally 60°/core			
57 - 64	Highly epidotized basic volcanics			
64 - 67	diabasic metavolcanic			
67 - 73	Quartz porphyry dike			
73 - 75	basic volcanic			
75 - 82	Quartz porphyry dike			
82 - 96	highly epidotized volcanics			
96 -147	diabasic metavolcanic uniform massive fine grain dark green numerous quartz-carbonate stringers 45° - 60°/core with olivene-epidote stringers			
147 -180	CHLORITE SCHIST - 10°/core			
180 -185	Sheared quartz porphyry blue quartz eyes			
185 -245	epidotized basic volcanics dark green 192-3 fine grained basic dike 60°/core			
245 -260	Black, altered basic volcanic			
260 -278	GRANODIORITE DIKE reddish pink with black sections			
278 -343	CHLORITE SCHIST dark green 10°-30°/core 339 1/2" calcite plus galena blebs a little red feldspar			
343 -396	epidotized basic volcanic possibly some agglomerate - light coloured acidic patches resemble fragments 368-391 highly epidotized			
396 -399	Pink granodiorite intrusive			
399 -407	fine grained basic volcanic			
407 -435	highly epidotized occasional patch chalcopyrite			
435 -440	dark green basic volcanic incipietn shearing			
440 -580	epidotized basic volcanic some schistosity			
580 -720	629 rusty fractured for about 1 foot 617 two 1/4" calcite stringers red feldspathic alteration 648 3" calcite & some brecciation possible fault 60°/core 718 3" calcite & breccia quartz porphyry - 30°/core			
720 -750	Altered basic volcanic dark green			
750	END OF HOLE			

VD = 649'

HD = 375'

DRILLED BY Barron Diamond Drilling

SIGNED L. J. Cunningham. B.Sc. P. Eng.

PROPERTY Oslund Claims South Lorrain Township

HOLE No. ST.65-2

LOCATION: 400' south & 250' west of #1 Post 4160

LATITUDE:

STRIKE: N 10°E (AST)

PAGE No. 1

DEPARTURE:

DIP: -45°

ELEVATION:

DATE DRILLED: 10 - 17 August, 1965

PURPOSE: To test a strong E - W topographical feature

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
0 - 11	Casing			
11 - 18	KEEWATIN Mica lamprophyre intrusive			
18 - 260.5	KEEWATIN Acid volcanics hard, fine grained brown to grey to black in colour altered			
	52 3" white quartz			
	125 3" - 6" white quartz a little scattered chalcopyrite			
	149 minor calcite cemented brecciation over 3" - 45° to core axis			
	260.5 END OF HOLE			
	VD = 184			
	HD = 184			

DRILLED BY Barron Diamond Drilling

SIGNED L.J. Cunningham. B.Sc., P.Eng

PROPERTY Silver Tower Mines Limited

HOLE No. 65-3

LOCATION: 500' south & 65' east of #4 Post Claim #54160

LATITUDE: STRIKE: S 55° E

DEPARTURE: DIP: - 50°

ELEVATION: DATE DRILLED: 15th - 26th August, 1965

PAGE No. 1

PURPOSE: To test the upper contact area of the diabase sill under a small unnamed lake.

STAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
	Hole collared 65 feet west of lake			
- 7	Casing			
-508	NIPISSING DIABASE			
-250	Coarse grained hypersene diabase			oz/silver /ton
	37 1" -1/2" white calcite vein - 60°/core diabase fine grained & dark for several inches adjoining vein	4556	1"	0.8
		4557	1"	1.8
	42 1/2" fault zone - calcite & quartz - 50°/core	4558	3/4"	1.2
	63 1" white calcite vein - 80°/core fine grained diabase adjoining the vein	4559	4"	0.6
	66 3/4" white calcite - 80°/core fine grained wall rock	4560	1"	0.8
	93 1/8" calcite -80°/core fine grained wall rock	4561	2"	0.6
	103 2" white quartz fine seems of pyrite -10°/core	4562	2"	0.4
	163 2 x 1/8" quartz carbonate stringers - 30°/core	4563	1"	0.4
	198 1" aplite grey colour 90°/core fine grained wall rock	4564	2"	0.8
-248	Light coloured diabase - gougy seams possible fault zone - 20°/core			
250 - 290	distinct change in texture of diabase medium to fine grained			
-351	Fine grained; dark, dense diabase occasional narrow streak siliceous material - 5°-10°/core			
	309 3/4" calcite vein - 45°/core one 1/8" bleb pyrite	4565	1"	1.0
	345 1/4" calcite plus epidote - 60°/core	4566	1"	0.4
-378	Rather abrupt change to light coloured medium grained diabase but not a sharp contact			
	352 6" Brecciated zone calcite & epidote - 20°/core	4567	6"	Nil
-383	Inclusion of Lorraine quartzite light coloured, altered with narrow chilled edges of diabase			
-388	Fine, grained, dense, dark diabase			
-389	Light coloured, siliceous section - possible inclusion of quartzite			
393	1/4" calcite vein & 4" white bleached diabase	4568	3"	0.6
-393	fine grained to medium grained diabase			
-508	Medium to coarse grained diabase becoming coarse to the end			
-450	Altered zone, slickensides, possible fault 6" white calcite plus black fine grained inclusions of wall rock	4570	8"	nil
	398 1/4" calcite + white bleach diabase	4569	1"	nil
	422 2 4" aplite, dark grey fine grained			
	427 1/4" calcite + 1/2 dark grey aplite sharp wall - 60°/core	4571	1"	trace
	490 1/ calcite - 60°/core 1/8" bleb of chalcopyrite	4572	1"	Trace

503 END OF HOLE

VD : 357

HD : 327

DRILLED BY Barron Diamond Drilling

SIGNED L.J. Cumming, B.Sc., P.Eng.

PROPERTY Silver Tower Mines Limited

HOLE No. J.T. 65-4

LOCATION: 550' south & 50 ft east of #4 post Claim 54160

LATITUDE:

STRIKE: S 45° W

PAGE No. 1

DEPARTURE:

DIP: minus 40°

ELEVATION:

DATE DRILLED: August, 1965

PURPOSE: To test the upper contact area of the diabase sill under a small unnamed lake.

FOOTAGE	DESCRIPTION	SAMPLE NO.	WIDTH	ASSAY VALUE
				03/Ag/Tr
0 - 9	Casing			
9 0205	NIPISSING DIABASE coarse to medium grained dark green	4573	1"	0.2
43	1/2" white calcite 80°/core - 4" altered fine grained dark diabase adjoining vein			
81	1/2" white calcite vein - 80°/core 4" altered fine grained diabase adjoining vein	4574	1"	Trace
89	6" brecciated zone some quartz			
111 - 118	bleached - altered - light green colour sheared 20°/core	4575	1"	0.4
141	1/8" calcite vein 80°/core			
205	END OF HOLE			

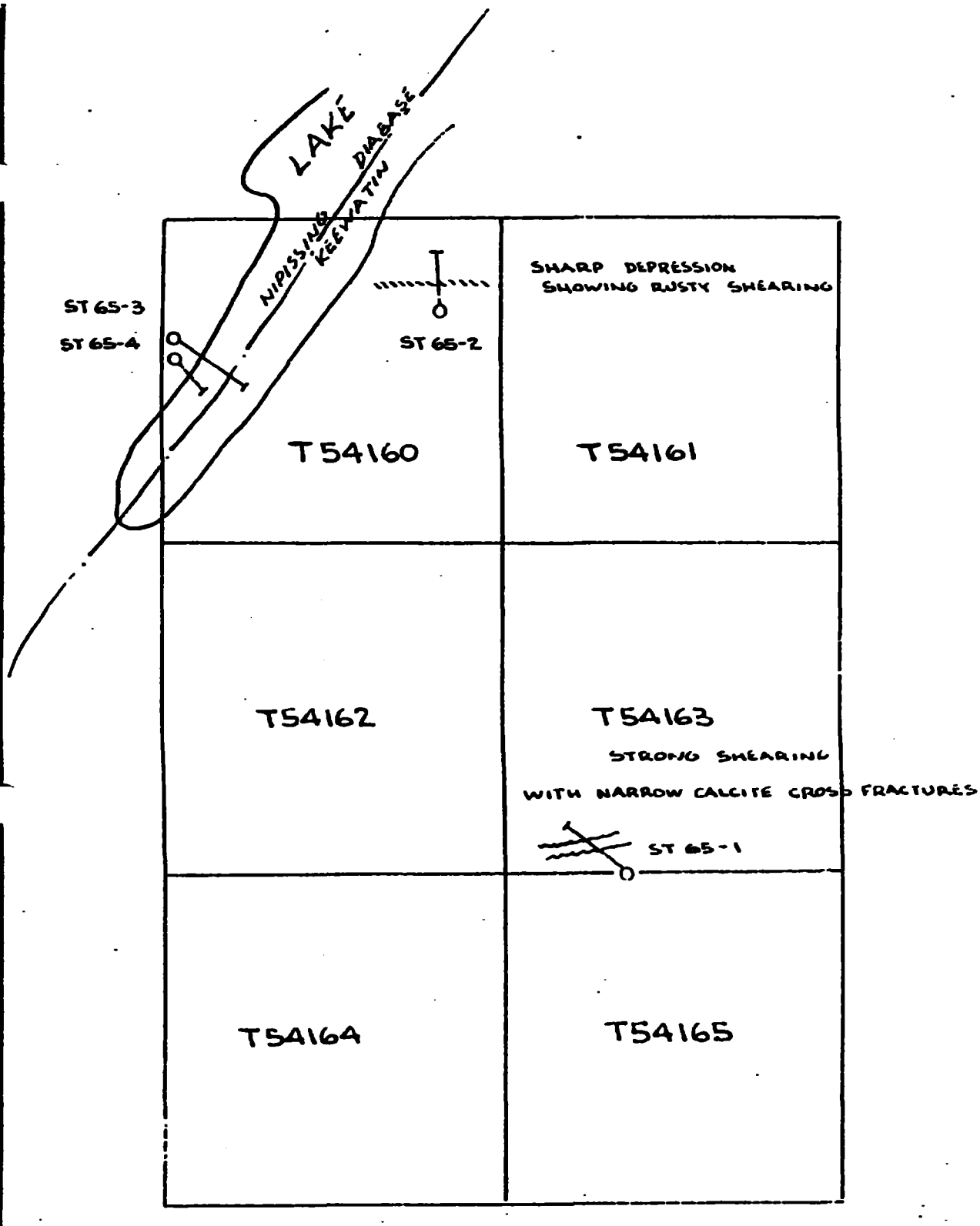
VD = 132

HD = 157

DRILLED BY Barron Diamond Drilling

SIGNED

J. J. Cunningham, P.Eng.

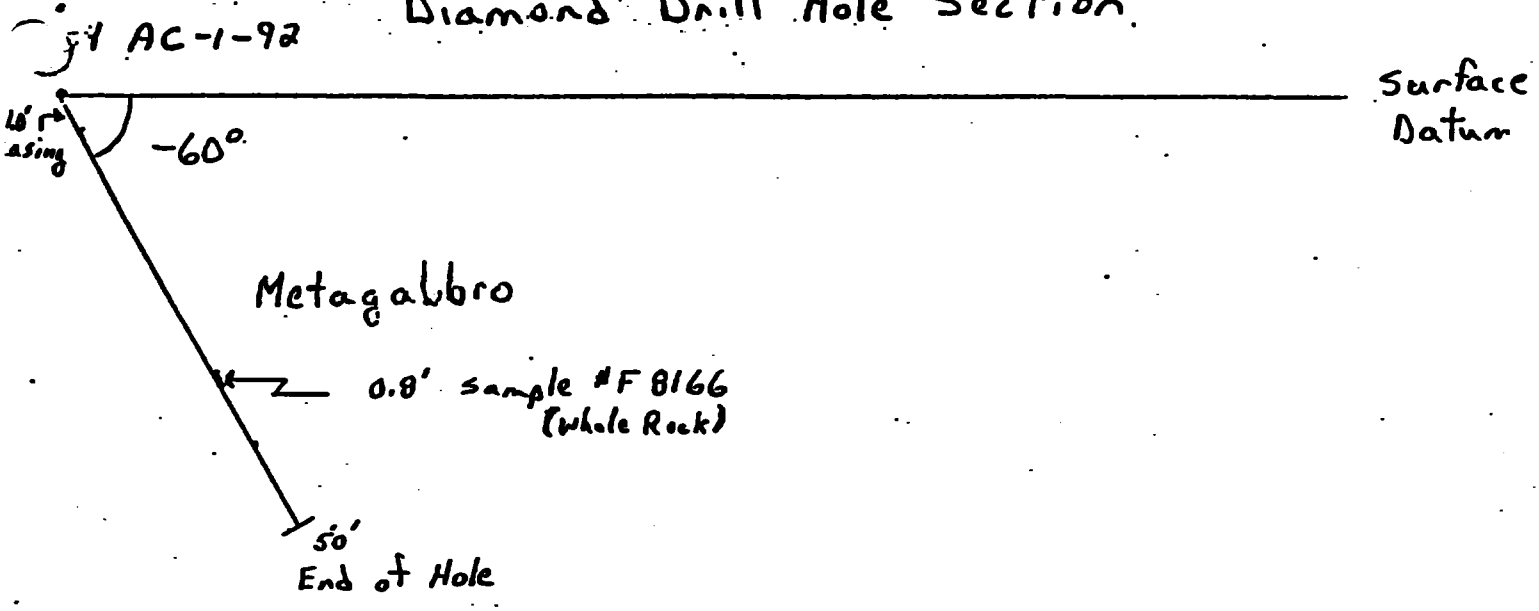


PLAN
of
SILVER TOWER MINES LTD.
TWP. of SOUTH LORRAIN ONT.
SHOWING
4 HOLES DRILLED JULY-AUGUST 1965
SCALE 1" = 600 FT
27 SEPT 1965 L.J. CUNNINGHAM B.Sc. P.ENG

27 Sept 1965

NOTE CLAIMS ARE UNSURVEYED + UNPATENTED

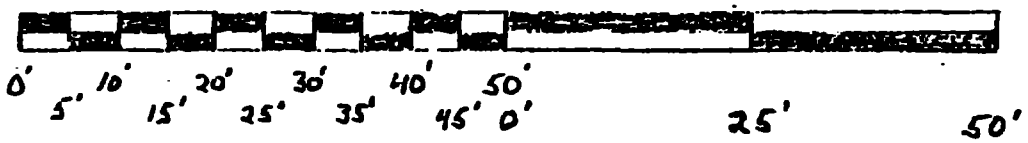
Elite Cobalt Base-Metal Project
South Lorrain Township
Diamond Drill Hole Section



N

Looking East

Legend



Scale: 1" = 20'

Hole #1

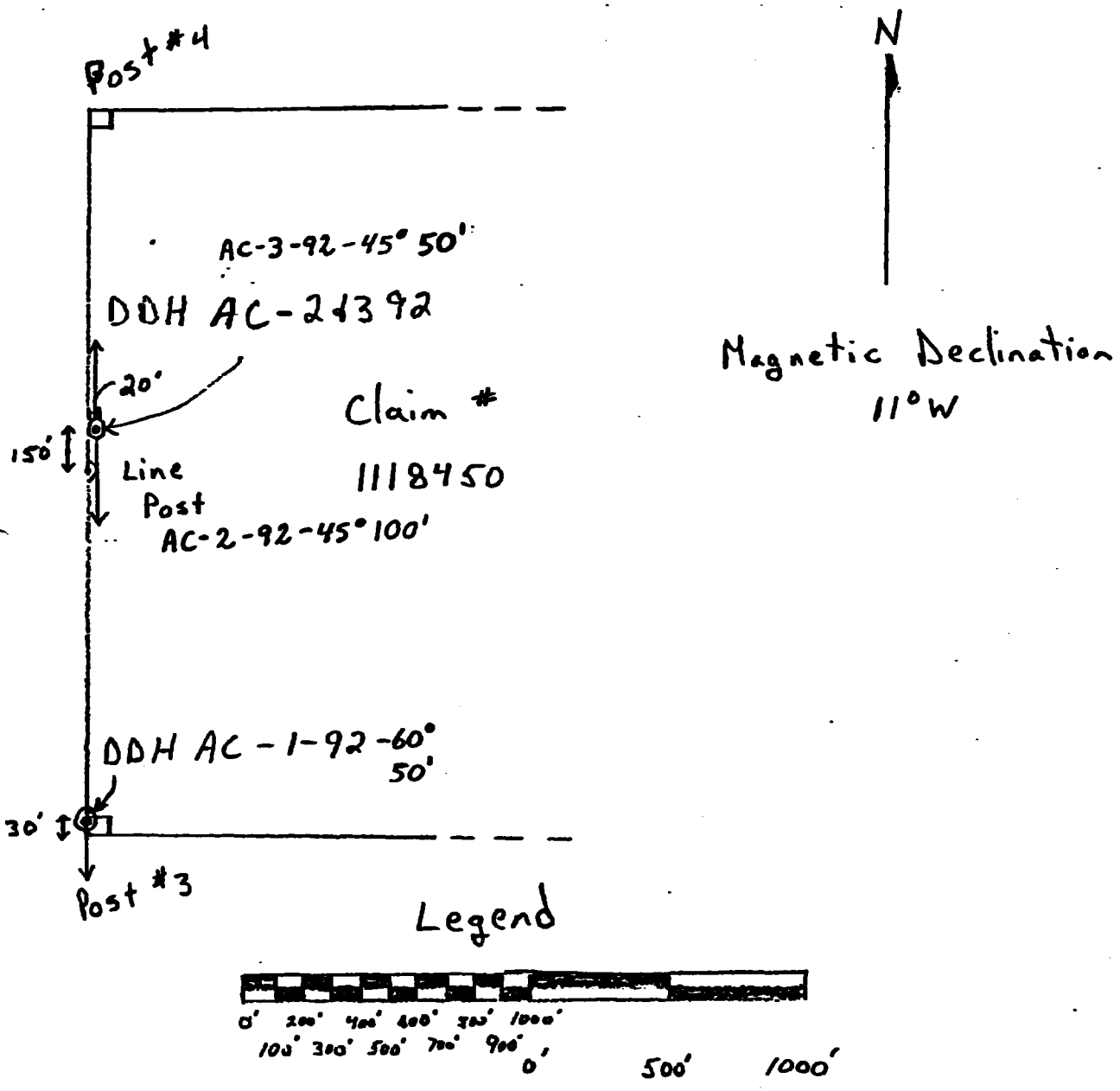
Target Geological Services
Logged By: Gino Chitaro
Date: September 26,
Claim: 1118450

Gino Chitaro P.Geo

Elite Cobalt Base-Metal Project

South Lorrain Township

Diamond Drill Hole Location Map



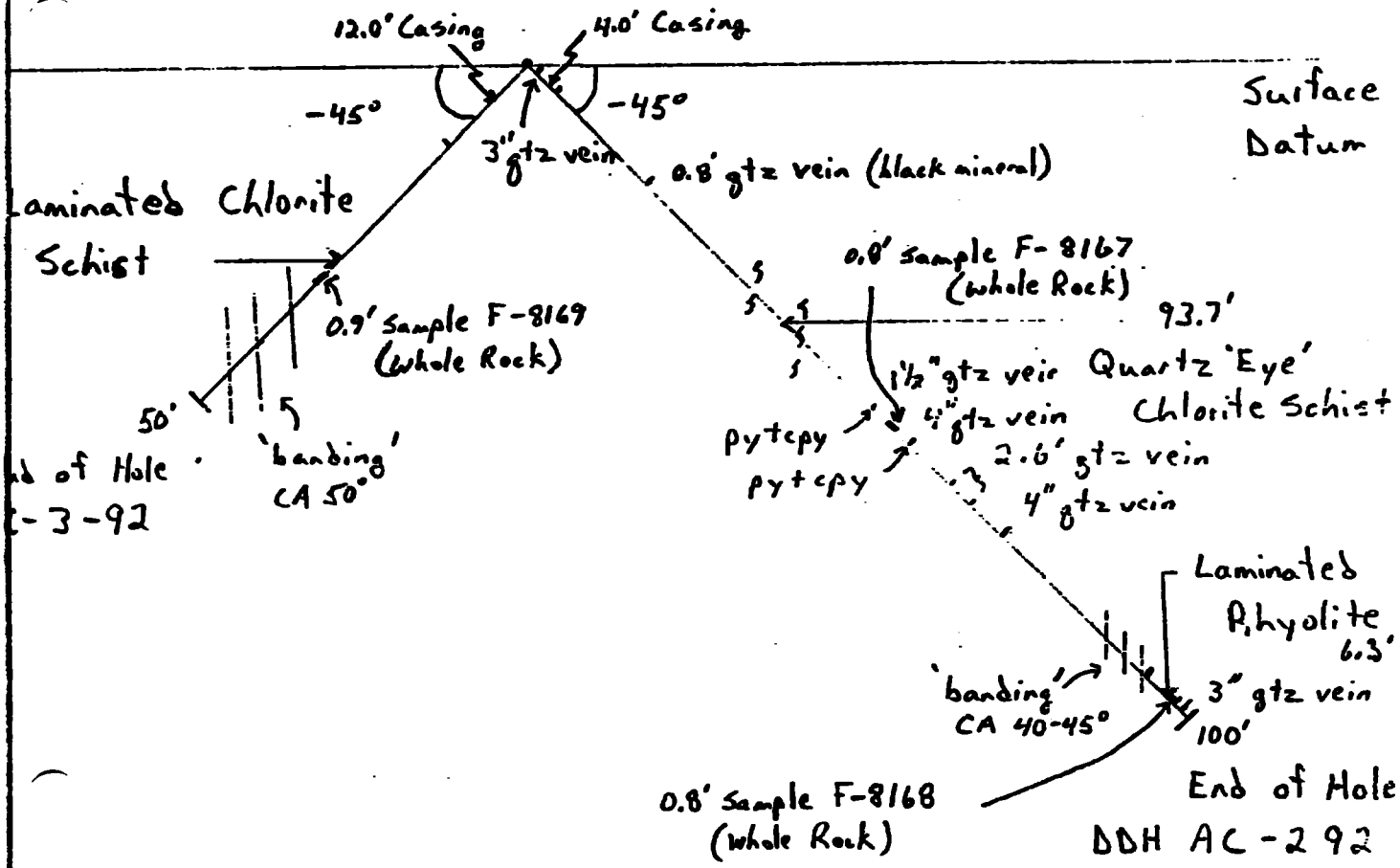
Scale: 1" = 600'
using 1:60

Target Geological Servic

Date: September 26, 199

Claims #1, 2 + 3

Elite Cobalt Base-Metal Project
South Lorrain Township
Diamond Drill Hole Section



Looking East

Legend

0' 10' 20' 30' 40' 50'
5' 15' 25' 35' 45' 0' 25' 50'

Scale: 1" = 20'

Target Geological Services
Logged By: Gino Chitaroni
Date: September 26, 1992
Claim: 1118450

243

DIAMOND DRILL RECORD

PROPERTY: Elk Cobalt [illegible] Project — HOLE NO. AC-1-92

Sheet Number: 1	Section From: South Lorrain Township To:	Started: [illegible] Sept [illegible]
Latitude: Claim # 1118450	Datum: B.Q. size	Completed: [illegible]
Area: [illegible] Lake Area	Bearing: Due North	Ultimate Depth: 50'
Elevation: Casing 4.0'	Dip: -60°	Proposed Depth: 50'

DEPTH FEET	FORMATION
0-50'	Keewatin Volcanics – meta gabbro
collared in bedrock	
	Description:
	- mafic - ultramafic metavolcanic
	- this rock-type has been described by McIlwaine is metadiabase (metamorphosed) intrusion.
	Highlights:
	- little to none effervescence in HCl rocks [illegible] somewhat siliceous
	- matrix: pyroxenite – hornblendite and chlorite – dark green colour
	- Feldspathic fragments highly altered and epidotized. Fragments are subangular to angular and subrounded to sub-angular found [illegible]

TPC

PROPERTY Elite Cobalt [illegible] Trail HOLE NO. AC-1-97

Sheet Number 2 Section From ..... To ..... Started .....

Latitude ..... Datum ..... Completed .....

Departure ..... Bearing ..... Ultimate Depth .....

Elevation ..... Dip ..... Proposed Depth .....

DEPTH FEET	FORMATION
	Mineralization:
	Hematite - occurs as smears along slips and is somewhat pervasive throughout the whole rock type. Sometimes hematite-laced as fine veinlets sometimes it can be confused as sphalerite (Zn)
	Pyrite and Chalcopyrite - occurs as fine disseminations throughout core especially in fragmented areas, but also as minor blebs and along slips and calcite veinlets. Pyrrhotite is also present but less in volume than either Py. or Cp.

TPC

PROPERTY ..... HOLE NO. .....

Sheet Number 3 | Section From ..... To ..... | Started .....

Latitude ..... | Datum ..... | Completed .....

Departure ..... | Bearing ..... | Ultimate Depth .....

Elevation ..... | Dip ..... | Proposed Depth .....

DEPTH FEET	FORMATION
	Bluish Mineral: Magnetite (continued) 5-15%
	- identity not yet known makes up 5-10% of rock by volume. The blue mineral occurs in conjunction with pyrite and chalcopyrite but is greater in volume about 10:1 ratio. It resembles magnetite but also galena, whole rock identification is needed!
	Moreover is many cases it appears to replace the feldspars and has a irregular appearance no apparent crystallization
	Epidote
	- most prevalent as it alters the feldspar from the most pinky found it

TPC

DRILLED BY .....

SIGNED .....

PROPERTY ..... HOLE NO. .....

Sheet Number 4 Section From ..... To ..... Started .....

Latitude ..... Datum ..... Completed .....

Departure ..... Bearing ..... Ultimate Depth .....

Elevation ..... Dip ..... Proposed Depth .....

DEPTH FEET	FORMATION
	at 33.8' 1/8" calcite stringer CA at some hematite wk cfy.
	From 37.0' to 48.8' texture of incl is more massive in cr w/ few fragments visible original granite - calcite/dolomite veins present. Rocks appears to be more chloritized.
	at 41.0' 5 inches of broken ground
	at 43.8' 1½" quartz-calcite-feldspar vein CA at 50° minor specs.
	at 44.8' 1¼" quartz-calcite-chlorite vein CA at 45° bit of "specular Hematite" was confused with ore.
	From 45.4' to 46.6' irregular calcite-red feldspar veinlets running

DRILLED BY ..... SIGNED .....

PROPERTY Elite Cobalt [illegible] Project HOLE NO. E.C.-1-[illegible]

Sheet Number 5		Section From	To	Started	
Latitude		Datum		Completed	
Departure		Bearing		Ultimate Depth	
Elevation		Dip		Proposed Depth	

DEPTH FEET	FORMATION					
	sub-parallel to core contains [illegible]					
	[illegible] and minor hematite at					
	46.6' on irregular calcite-					
	red feldspar veins 1-2" run					
	perpendicular to core contains					
	hematite.					
Sample # F8166	32.5' to 33.3' Assayed for Whole Rock	32.5'	33.3'	0.8'		
	Sulphides: yellow sulphide 1-3%					
	blue mineral 5-15%					
	[illegible]					
	[illegible] - strong [illegible]					
	[illegible] — [illegible] bluish [illegible]					
	most likely [illegible]					
50.0'	End of Hole					

TPC

DRILLED BY [illegible] SIGNED [illegible]

PROPERTY Elite Cobalt Base [illegible] Project South [illegible] Township HOLE NO. DC-2-92

Sheet Number 1 | Section-From [illegible] To [illegible] | Started [illegible] Sept. [illegible]
Latitude Claim #1118456 | ~~Datum~~ BQ Size | ~~Completed~~ 1992
Departure Oxbow Lake Area | Bearing Due S | Ultimate Depth [illegible]
Elevation Casing 4.0' | Dip −45° | Proposed Depth 100'

DEPTH FEET	FORMATION					
[illegible]						
0 - 93.7'	Quartz 'eye' Chlorite Schist					
	- fine light clay mineral tiny specks					
	pervasive throughout entire core	especially where quartz eyes present				
	- silicification intense in					
	some areas + presence of					
	quartz veining					
	- Red feldspathization evident					
	(buffed presence mainly)					
	but also in veinlets					
	- Dark green chlorite [illegible]					
	sulphides - Pyrite predominate over	ave 2-4% py				
	chalcopyrite	ave 1-2% cpy				
	- magnetite present 2-4%	max ave				
	✱ - Prominent blue-white					
	quartz eyes, - exhibits	minor laminations				

Barron Diamond Drilling [illegible] a.c

PROPERTY Elk Cobalt HOLE NO. (TC-2-72)

Sheet Number 2 | Section From .... To .... | Started ....
Latitude .... | Datum .... | Completed ....
Departure .... | Bearing .... | Ultimate Depth ....
Elevation .... | Dip .... | Proposed Depth ....

DEPTH FEET	FORMATION					
	- possibly an altered gabbro? / rhyolite?					
	with basalts?					
	at 1.4' 3" qtz-chlorite vein CA 45°					
	From 3.8' - 6.3' 5-8% [illegible] in [illegible]	3.8	6.3	2.5'		
	at 5.0' 3" diss py [illegible]		should be sa[illegible]			
	~ 4-6% py ~ 1% cpy			later		
	also some					
	at 13.5' 3/4" qtz vein CA 40-45°					
	at 18.2' 0.8" wide qtz vein with					
	chlorite and unidentified					
	black mineral? (check/sample)	possible sample				
	CA 30° also minor magnetite					
	From 30.8' - 34.2' 3.4' 3-5% py minor	possible sample				
	cpy & magnetite					
	From 34.0' - 34.5' [illegible]					
	at 38.8' 3" [illegible] 2-[illegible]					
	From 41.3' - 43.9' [illegible]					
	[illegible]					

DRILLED BY Bosson Diamond Drilling

SIGNED [illegible] Q.C.

PROPERTY Elite Cobalt Base-7 [illegible] Project HOLE NO. AC-2-72

Sheet Number 3 | Section From ... To ... | Started ...

Latitude ... | Datum ... | Completed ...

Departure ... | Bearing ... | Ultimate Depth ...

Elevation ... | Dip ... | Proposed Depth ...

DEPTH FEET	FORMATION					
	from 57.6' - 59.0' fine-grained chlorite					
	with several dolomite stringers					
	irregular shaped and orientation					
	at 57.6' 1½" qtz veinlet containing	too	small [illegible]		sample	
	cpy and py 5-6% cpy and					
	2-3 py CA 35°					
	at 57.5' 4" qtz blob containing					
	3-5% py 1-2% cpy					
	from 57.8' - 58.7' fine-grained chlorite					
	at 59.6' ¼" qtz veinlet with					
	red feldspar CA [illegible]					
	at 59.8' 1" irregular red feldspar					
	structure with quartz					
	at 60.4' ½" red feldspar veinlet CA [illegible]					
	from 62.5' - [illegible] 7" bleached [illegible]					
	(red feldspathized [illegible])					
	at 62.7' a [illegible] by 1" blob of	[illegible]				
	[illegible]					

DRILLED BY Bosman Diamond Drilling SIGNED [illegible] O.C.

PROPERTY Elite Cobalt Base Metal Project HOLE NO. EC-2-92

Sheet Number 4 | Section From ..... To ..... | Started .....

Latitude ..... | Datum ..... | Completed .....

Departure ..... | Bearing ..... | Ultimate Depth .....

Elevation ..... | Dip ..... | Proposed Depth .....

DEPTH FEET	FORMATION					
	64.?' - [illegible] 2.6' Quartz/chlorite Vein					
	CA 50° [illegible]					
	at 70.[illegible]' 2 x 1/8" calcite veinlets					
	[illegible]" apart CA 6[illegible]°					
	at 7[illegible]' 4" qtz/chlorite vein CA 40°					
From 72.[illegible] [illegible] Red Feldspathic alteration [illegible]						
	From [illegible]' - 74.2' Red Feldspathic alteration					
	[illegible] 7[illegible].5' - 74.2' well [illegible] Feldspat[illegible]					
	minor py - few specks cpy					
	at [illegible] 2" qtz [illegible]					
	From [illegible] - 84.3' [illegible]					
	[illegible] in colour.					
	From [illegible]' to [illegible]' end of hole [illegible]					
	[illegible] CA [illegible] 15° [illegible]					
	[illegible] in some places [illegible]					
	[illegible]					
93.7 to 100.0'	From [illegible] to [illegible] [illegible]					
Laminated Rhyolite	[illegible] tuff.					
	[illegible]					

DRILLED BY [illegible] Diamond Drilling

SIGNED [illegible]

PROPERTY Elite Cobalt Base-Metal Project HOLE NO. AC-82-43

Sheet Number 5 Section From ..... To ..... Started .....

Latitude ..... Datum ..... Completed .....

Departure ..... Bearing ..... Ultimate Depth .....

Elevation ..... Dip ..... Proposed Depth .....

DEPTH FEET	FORMATION				Whole Rock
F-8167	Sample: Qtz eye chlorite schist	54.7'	55.5'	1.0'	sample
F-8168	Sample: Laminated Rhyolite	97.4'	98.2'	0.8'	D.H.
100.0'	End of Hole				

TPC

DRILLER BY Barron Diamond Drilling COMP. [illegible] Q.C.

PROPERTY Elsie Cobalt [illegible] HOLE NO. EC-3-92

Sheet Number 1 Section From South Lorrain Township Started [illegible] Sept 1 [illegible]

Latitude Claim #1184450 Datum [illegible] Completed 1992

Departure Oxhan Lake area Bearing [illegible] Ultimate Depth 50'

Elevation Casing 1200' Dip -45° Proposed Depth 50'

DEPTH FEET	FORMATION Section See AC-2-92				
0-50.0'	Laminated Chloride Schist				
F-8169	typical laminated chloride schist	31.4'	32.3'	0.9'	Whole Rock Sample

TPC

Bruce Diamond Drilling

[illegible] AC

PROPERTY Elite Cobalt Base-Metal Project HOLE NO. AC-3-92

Sheet Number 2 | Section From ... To ... | Started ...

Latitude ... | Datum ... | Completed ...

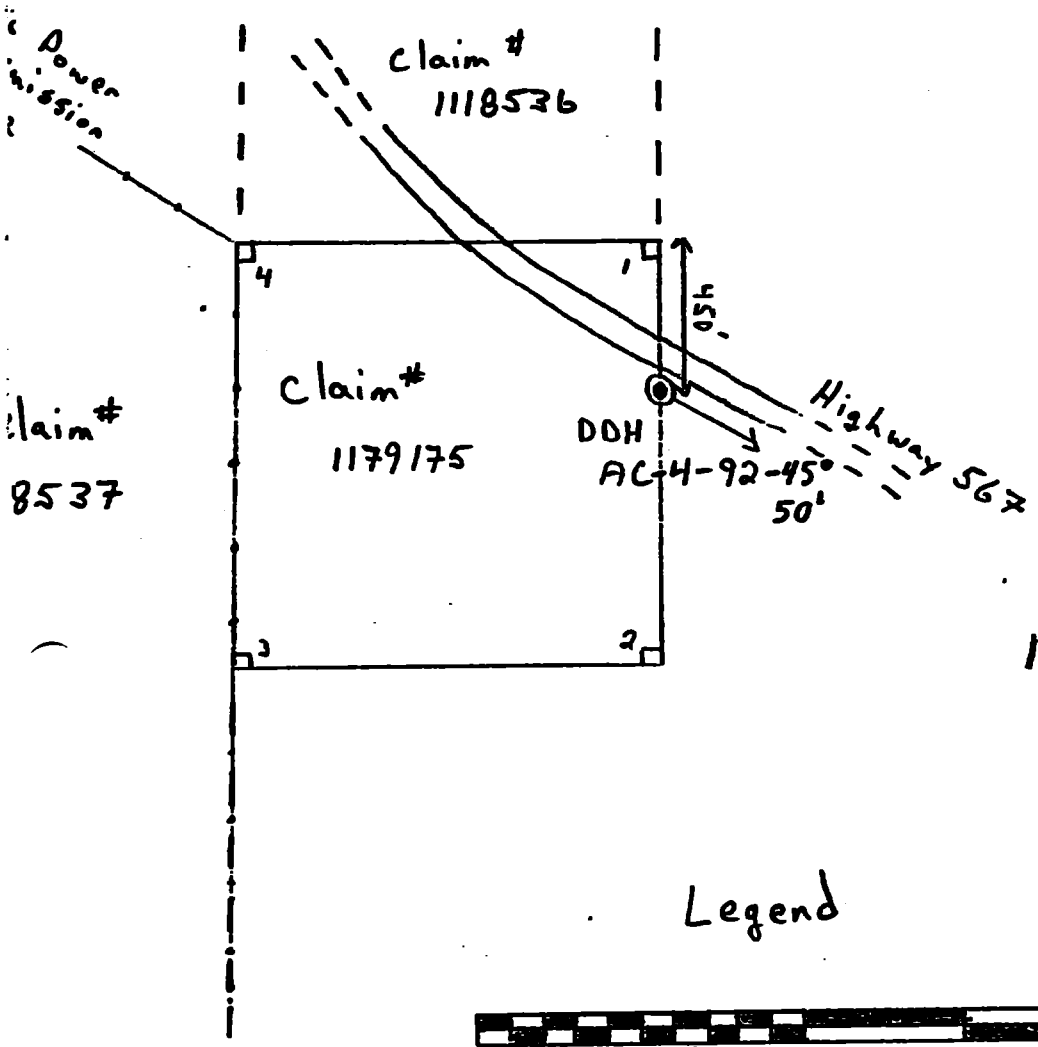
Departure ... | Bearing ... | Ultimate Depth ...

Elevation ... | Dip ... | Proposed Depth ...

DEPTH FEET	FORMATION					
	- intermittent blebs of py + cpy					
	py predominates					
	- [illegible] banding evident CA 50°					
	- average py 1-3% cpy <1%					
	at 26.0' - 28.0' calcite stringers					
	parallel to core					
	at 43.6' 1/4" calcite veinlet CA 30°					
50.0'	End of Hole					

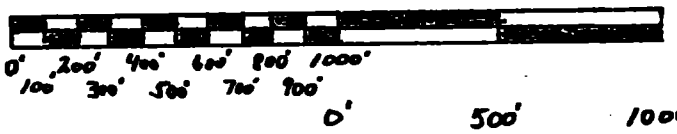
R. D. [illegible] [illegible]

Elite Cobalt Base-Metal Project
South Lorrain Township
Diamond Drill Hole Location Map



Magnetic Declination
11° W

Legend



Scale : 1" = 600' using 1:60

Target Geological Services

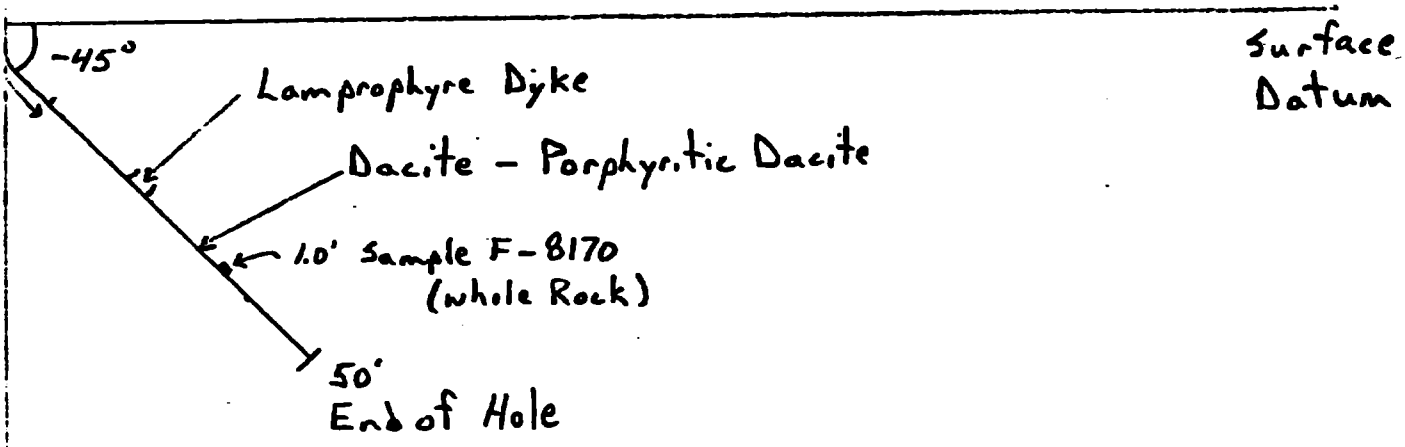
Date : September 26, 1992

Hole #4

Mario Christofani QC

Elite Cobalt Base-Metal Project
South Lorrain Township
Diamond Drill Hole Section

AC-4-92

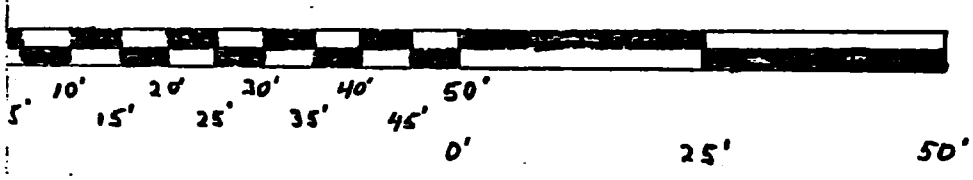


ESE
S 120° E

N

Looking NNE
N 30° E

Legend



Scale: 1" = 20'

Target Geological Services
Logged By: Gino Chitaroni
Date: September 26, 1992.
Claim: 1179175
Gino Chitaroni: QC

#4

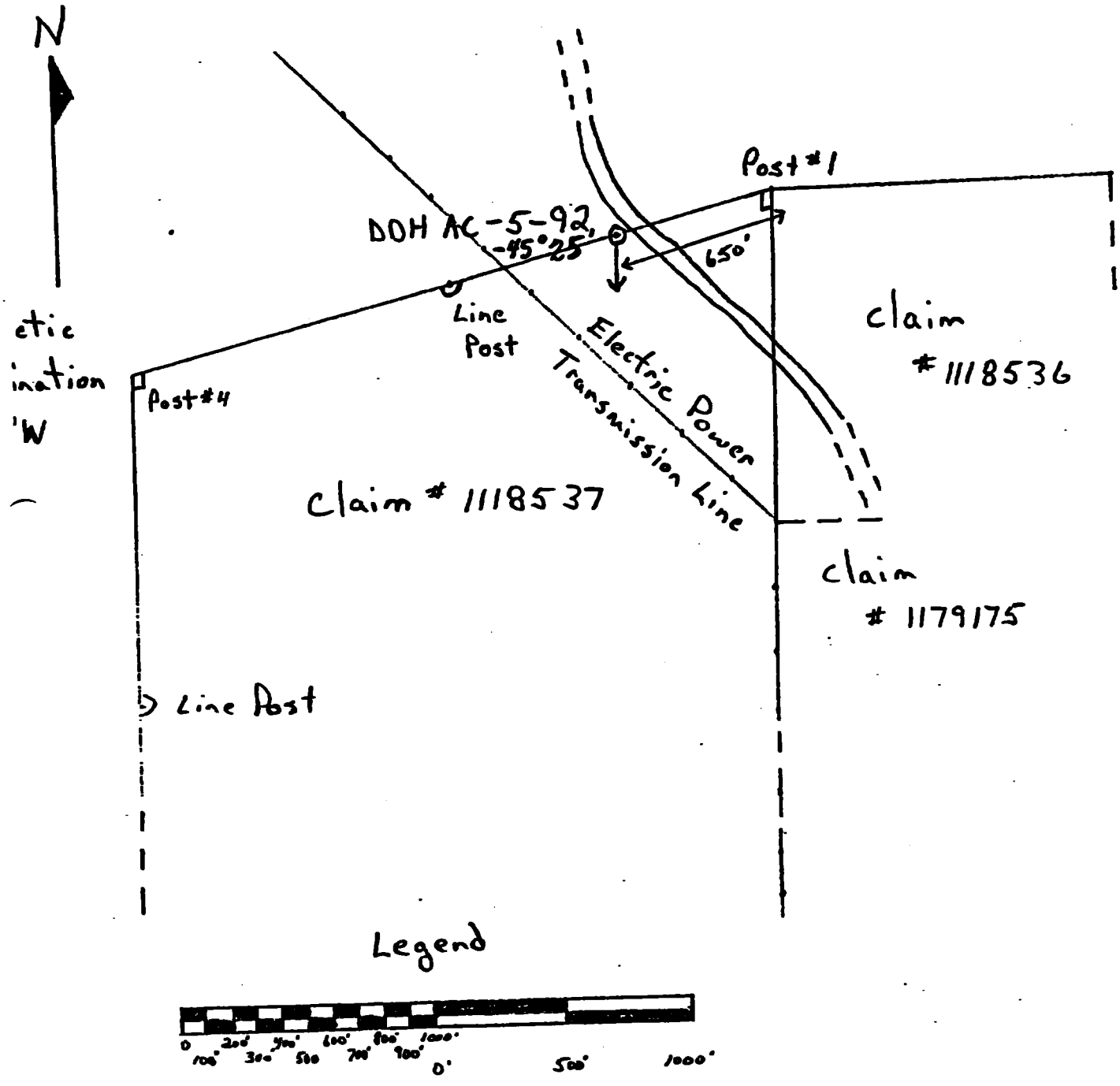
DIAMOND DRILL RECORD

PROPERTY Elite [illegible] HOLE NO. AC-4-92

Sheet Number 1	Section From South [illegible] To [illegible]	Started [illegible]
Latitude [illegible] 1175	Datum [illegible]	Completed [illegible]
Departure Highway 567	Bearing S12°E	Ultimate Depth [illegible]
Elevation [illegible]	Dip -45°	Proposed Depth 50'

DEPTH FEET	FORMATION					
[illegible]	[illegible] to [illegible]					
[illegible] casing						
[illegible]	Laminated [illegible]					
	Dacite? chloritized					
[illegible] 0'	Lamprophyre dike					
[illegible] 0'	Laminated Dacite [illegible]					
[illegible] 0'	[illegible] Dacite [illegible]					
	— [illegible] small [illegible]					
	phenocrysts					
	sulphides:					
	1-[illegible]% mostly pyrite					
	some chalcopyrite					
[illegible]	From 37.8' - 38.8' = 1.0'	37.8'	[illegible]	1.0'		
	Analysis					
50.0'	End of Hole					

Elite Cobalt Base-Metal Project
South Lorrain Township
Diamond Drill Hole Location Map



Legend

0 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000'
0' 500' 1000'

Scale: 1" = 600'
using 1:60

#5

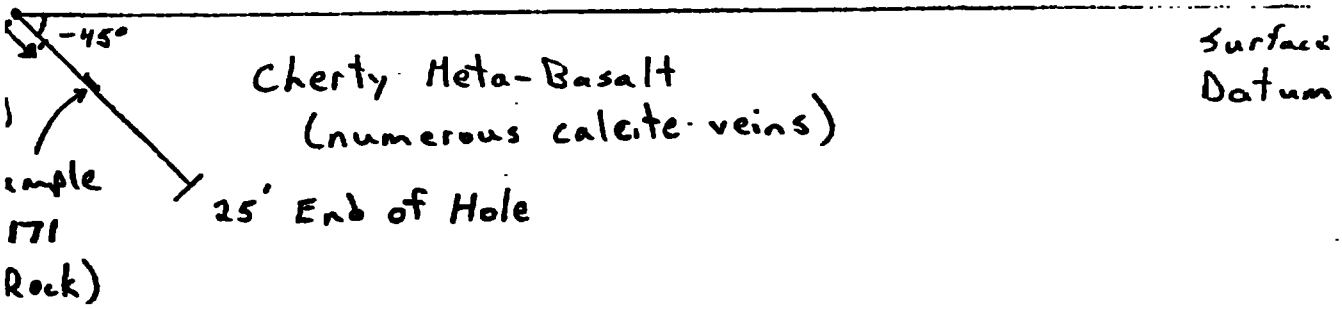
Target Geological Services
Date: September 26, 1992.
QC

Elite Cobalt Base-Metal Project

South Lorrain Township

Diamond Drill Hole Section

DAH AC-5-92

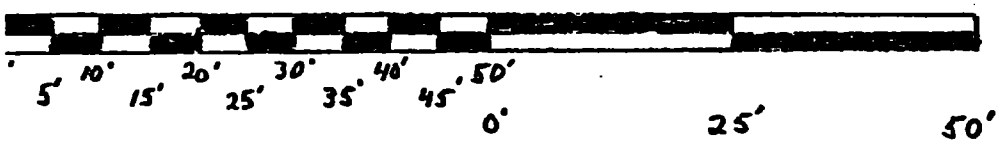


ample
171
Rock)

5

Facing East

Legend



Scale 1" = 20'

#5

Target Geological Services
Logged By: Gino Chitaroni
Date: September 26, 1992
Claim: 1118537

Gino Chitaroni QC

PROPERTY Elite Cobre – P[illegible] Metal Project HOLE NO. AC-5-[illegible]

Sheet Number 1

Section From [illegible] To [illegible]

Started [illegible]

Latitude Claim # 1118537

Datum [illegible]

Completed [illegible]

Departure [illegible]

Bearing ~~S 170° E~~ Due South

Ultimate Depth [illegible]

Elevation [illegible]

Dip −45°

Proposed Depth [illegible]

DEPTH FEET	FORMATION					
0'–35.0	Kaolinitic 'bleached' clerty					
[illegible]	Meta-Basalt					
[illegible]						
	Description					
	– massive rock (very little HCl effect)					
	– abundant calcite stringer					
	stock with countless calcite					
	stringer veins all irregular form					
	– veinlets are [illegible] abundant					
	hematite + [illegible] [illegible]					
	minor [illegible]					
	– pyrite and minor [illegible]					
	and chalcopyrite is associated					
	with the [illegible]work/veinlets					
	– sulphides [illegible] pyrite					
	[illegible]					
	[illegible] and the [illegible]					

TPC

DRILLED BY [illegible]

SIGNED [illegible]

PROPERTY Elite Cl[illegible] [illegible] HOLE NO. AC-[illegible]

Sheet Number 2 | Section From .... To .... | Started ....

Latitude .... | Datum .... | Completed ....

Departure .... | Bearing .... | Ultimate Depth ....

Elevation .... | Dip .... | Proposed Depth ....

DEPTH FEET	FORMATION					
	Estimated average sulphides in core 3-4%, hematite 5-8%					
F 8171	Core from 9.9 - 10.7' 0.8' taken for whole [illegible] Analysis	9.9'	10.7'	0.8'		
	Major Veinlets:					
	at 6.2' ½" Calcite veinlet CA [illegible]					
	at 12.0' [illegible] ½-¾" Calcite veinlet CA 7[illegible] [illegible]					
	at 14.0' 1½ Calcite Vein CA 35°					
	[illegible] 14.9' 1" [illegible] feldspar [illegible] CA 35° some [illegible] in wall rock [illegible]					

TPC

PROPERTY [illegible] HOLE NO. .....

Sheet Number 3 Section From ..... To ..... Started 7-5-92

Latitude ..... Datum ..... Completed .....

Departure ..... Bearing ..... Ultimate Depth .....

Elevation ..... Dip ..... Proposed Depth .....

DEPTH FEET	FORMATION
	at 18.2' ½" calcite veinlet CA 80° with hematite and minor py
	at 20.7' ½" calcite vein CA ⊥ perpendicular to core minor hematite
	at 21.1' ⅛" Calcite veinlet CA 10°
	at 22.2' ⅓-½" calcite veinlet CA 70° with associated calcite and epidote alteration.
	at 23.3' irregular blebby calcite stockwork/vein with hematite and minor py blebs of pyrite
25.0	End of Hole

TPC

DRILLED BY [illegible] SIGNED _____ AC

APPENDIX "C"

"Geological Observations" -- John Gore, Oxbow Lake Claims
South Lorrain Township,
District of Temiskaming, Ont.
by
A.W. Beecham
Jan.7, 1994.

GEOLOGICAL OBSERVATIONS

JOHN A. GORE, OXBOW LAKE CLAIMS

South Lorrain Township, Dist. of Timiskaming, Ont.

A.W. Beecham
Haileybury, Ontario
7 January 1994

INTRODUCTION

This report and the accompanying map are based on one day's field work plus a brief study of published geological reports. Assessment file data were not reviewed as this had already been done by the owner. The claims are being explored for silver-cobalt and base metal deposits by John A. Gore. The writer was engaged because of his experience in exploration for VMS and cobalt-silver deposits. The area is about 3 km. southeast of the main productive part of the Silver Centre silver-cobalt camp.

About 2/3 of the day was spent in examining and mapping the main sulphide occurrence, known as Pit # 3 area in the centre of claim 1179631. In the remaining time, several pits and outcrops to the west and southwest were examined briefly.

Any conclusions reached here must be considered in light of the few observations made and the brief time spend in the study.

GENERAL GEOLOGY

In the Silver Centre area, small inliers of Archean volcanic rocks occur within the Huronian cover. Archean rocks are further obscured by the flat lying Nipissing Diabase sheet. In the area east of Oxbow Lake, there are two, small northeast trending inliers. McIlwaine has mapped the northern one as mainly mafic volcanics and the southern one as mainly felsic volcanics (although he shows both felsics and mafics in the same colour on the map.). Because of the Huronian cover and diabase sheet, the extent of the felsic volcanics is poorly known and as noted below, felsic volcanics are probably more extensive than shown by McIlwaine..

STRUCTURE AND STRATIGRAPHY

Based on McIlwaine's top determinations, the Archean rocks appear to form a west plunging syncline, with the Four Claim Lake area being just south of the fold axis, the Maiden's Bay volcanics on the north limb and the Oxbow Lake area on the south limb. In the Oxbow Lake area, the Archean strikes are generally east-northeast and the above interpretation indicates that the Oxbow Lake volcanic sequence would face northwest. i.e the sequence is mafic volcanics overlain by felsics which are in turn overlain by mafic volcanics. This places the study area within a (mainly) mafic volcanic cycle a short distance stratigraphically above a felsic cycle.

MISCELLANEOUS OBSERVATIONS

A number of pits were examined in the area west of Pit #3. The approximate locations of these pits are shown as 'C', 'D', 'E' and 'F' on the location map in Fig. 1. A felsic tuff was seen at location 'C'. Banded felsic volcanics cut by a flat lamprophyre dyke and in near vertical contact with Huronian conglomerate were seen at 'D'. At 'E', a rhyolite-like rock was observed in contact

with mafic flow breccia. At pit #1, location 'F', a mudseam was seen cutting a banded felsic rock, which is probably a lapilli tuff.

In the area east of Oxbow Lake, at about point 'G', a massive, fine grained, red, felsic rock was observed near the contact with underlying medium to fine grained Nipissing diabase. Although it is uncertain what this felsic rock is, it is though to be either a felsic volcanic or a sub volcanic intrusive.

The above observations indicate that felsic volcanics are more extensive than shown on McIlwaine's map. It appears that felsics are interbedded with mafic volcanic well to the northwest of the felsic band mapped by McIlwaine and shown on the location map in Fig. 1. The mafic rocks mapped in #3 pit area seem to be part of interlayered mafic-felsic sequence. This is a more favourable setting for massive sulphides than the thick sequence of mafics indicated by McIlwaine.

PIT #3 AREA

Geology

The detailed geology of the area around pit #3 is shown in Fig.1. At the time of mapping, Oct. 19, 1993, the area had been recently stripped with a bulldozer and the old pit cleaned out. Although the stripped area had been cleaned up by hand, it had not been washed and parts of the outcrop were obscured by a thin layer of mud. Some details of the geology may therefore have been missed and it is likely that the sulphide distribution shown in Fig.1 is not very accurate.

The north part of the stripped area is mafic volcanics varying from massive flows in the north to flow breccia, (probably pillow breccia) toward the middle. Some of the breccia material has a well developed schistosity.

The contact between the Archean volcanics to the north and the Coleman Member, Gowganda Formation to the south is a small east-west fault. The fault is marked by steep, strong shearing along the south wall of the pit. To the east it appears to die out. Coleman conglomerate extends 1 to 1.5m below surface on the south wall of the pit, indicating a little down throw on the south side of the fault.

Sulphide Occurrences

There are occurrences of pyrite as disseminations, interstitial filling in the volcanic breccia and small veinlets. Concentrations of this patchy pyrite mineralization are mostly in the 1 to 5% range. In a few places the concentrations reach 10 to 15%. The better concentrations seen were in volcanics, but up to 2 % disseminated pyrite was noted in Coleman greywacke. One lenticular veinlet with abundant chalcopyrite occurs along the north wall of the pit. A chip sample of the best part of this veinlet assayed 2.54 % Cu/ 0.3m. There is negligible Pb, Zn, Au and the Ag content is 19 ppm which is typical for the Cu concentrations. This style of fracture controlled sulphide mineralization is commonly associated with massive sulphide bodies in typical VMS systems.

Alteration

Although neither the Archean nor Huronian rocks are spotted, there is some, diffuse chlorite alteration of the volcanics. As well, weak silicification occurs in the volcanic breccia.

Whole Rock Geochemistry

One chip sample was taken across an area of mineralized and altered mafic volcanics east of the #3 pit. The analyses are appended. Although there are no analyses of local unaltered rocks with which to compare the results, some general observations can be made. The CaO content is strongly depleted. This is typical of chlorite spotted mafic volcanics close to cobalt-silver veins in the Cobalt camp. Thomson (1961, pg. 84) gives an example from the 404 Claim east of the town of Cobalt. As well, the writer has noted CaO depletion in chlorite spotted rocks in other parts of the Cobalt camp. Besides the CaO depletion, the SiO_2 and Al_2O_3 contents appear to be somewhat elevated. This is possibly just a reflection of removal of other constituents. There is no apparent depletion of Na_2O as is common in typical VMS settings.

CONCLUSIONS AND RECOMMENDATIONS

The copper showing in pit #3 is associated with chlorite and silica alteration and a significant concentration of pyrite. This is clearly anomalous mineralization and alteration. In addition, although the actual mineralization is in mafic volcanics, it occurs within an inter layered mafic-felsic sequence in contrast to the purely mafic volcanic sequences at Silver Centre and Cobalt. These features are consistent with productive VMS settings.

In contrast to the above features, the whole rock geochemistry, is typical of Cobalt type *base metal-Co-Ag* systems. To date these Cobalt type systems have produced only low grade, generally sub-economic base metal deposits.

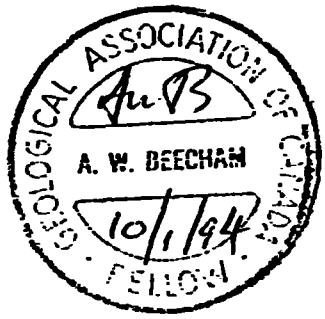
In spite of some uncertainty of the geological model, the amount of mineralization and the generally attractive setting suggests that exploration for VMS deposits should continue. However, the sulphides and base metals occurrences may also be indicative of cobalt-silver veins. Because of this and because of the proximity to Silver Centre camp, exploration for Co-Ag veins is also warranted.

In the next stages of base metal exploration, mapping of the claim group at a scale of about 1:5000 is recommended in order to provide an overall geological picture and place mineral occurrences in their geological setting. Even though coverage by both by INPUT and VLF airborne EM surveys have produced negative results, massive sulphide orebodies often produce only very short strike length conductors that are easily missed in airborne surveys. Ground EM is therefore recommended. The type of mineralization seen at Pit #3 could probably be mapped by Induced Polarization and there is a good chance that other areas of similar mineralization could be found. However, as the principal target is massive sulphides, (an EM detectable target), the less expensive ground EM should be done before considering I.P.

Conventional prospecting and trenching for cobalt-silver veins might be complemented by soil geochemistry and I.P. surveys. In the Cobalt camp, the main Kerr Lake-Crown Reserve

veins are indicated by a large till streak that is easily detected by soil geochemistry. Although not so well documented in the Silver Centre area as at Cobalt, it is likely that cobalt-silver veins are associated with Archean and Huronian sulphide concentrations which can be mapped by I.P. surveys.

A.W. Beecham
7 January 1994



REFERENCES

McIlwaine W.H. (1970) — Geology of South Lorrain Township, Geol. Rep. 83, ODM.

Thomson R. (1961) — Prel. Rep. on Part of Coleman Township, Con. V, Lot 1-6, Dist of Temiskaming
ODM Prel. Rep. 1961-4 (page 83)

APPENDIX
ANALYSES SHEETS

(A) WHOLE ROCK

(B) SULPHIDE ZONES

BONDAR-CLEGG

Geochemical Lab Report

Inchcap
Testing
Service

DATE PRINTED: 21-DEC-93

REPORT: 093-42714.0 (COMPLETE) PROJECT: NONE PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Tota PC
14477		56.47	0.69	16.08	12.55	0.08	2.75	0.22	5.53	0.92	<0.03	3.74	99.0
14478													
14479													

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

BONDAR-CLEGG

Geochemical Lab Report

Inchc
Testi
Servi

REPORT: 093-42714.0 (COMPLETE)

DATE PRINTED: 21-DEC-93
PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	Cr PPM	Sr PPM	Al PCT	Fe PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Sc PPM
14477		157	241	43								
14478					0.30	2.59	32	0.04	0.10	0.10	0.13	<5
14479												

Bondar-Clegg & Company Ltd.
5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada
Tel: (613) 749-2220, Fax: (613) 749-7170

Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

3W-2734-RG1

Company: JOHN A GORE

Date: OCT-29-93

Project:

Attn:

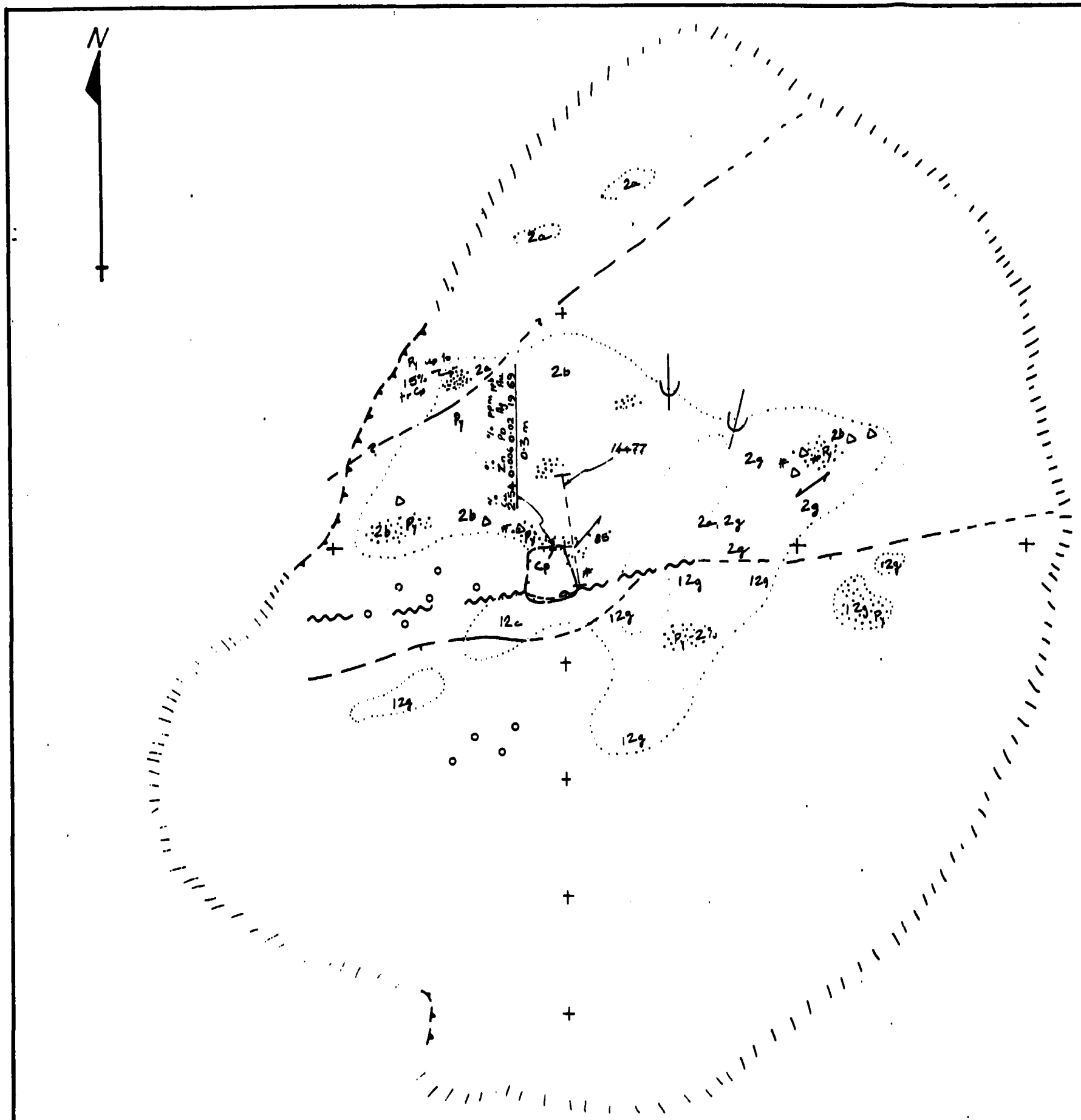
We hereby certify the following Geochemical Analysis of 1 ROCK samples submitted OCT-28-93 by .

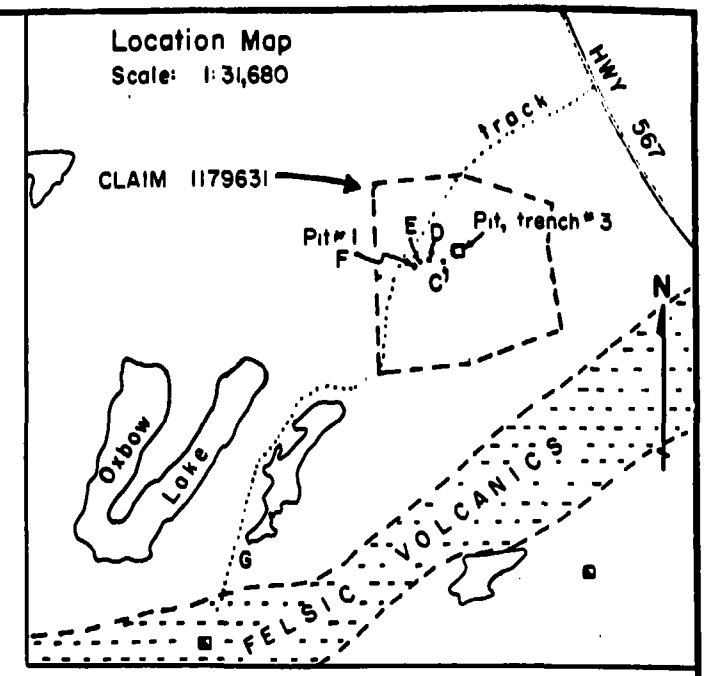
Sample Number	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM
P#3	69	19.0	25400	201	61
	check-62				

Certified by G. Gibbs

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705)642-3244 FAX (705)642-3300





LEGEND

HURONIAN

- 12c Paraconglomerate
- 12g Greywacke, sandstone matrix

ARCHEAN

- 2g Foliated intermediate-mafic volcanic
- 2b Mafic fragmental, pillow breccia
- 2a Massive, mafic volcanics

Symbols and Abbreviations

- °°° till
- pit in rock
- outcrop
- sulphides
- foliation, schistosity
- geological contact
- fault
- glacial striae
- cut in overburden
- limit of overburden 'berm' removed from bedrock
- △ volcanic breccia
- ✱ silicification

Cp chalcopyrite
G gossan
Py pyrite

14477 whole rock analysis sample

GEOLOGY OF TRENCH 3 AREA CLAIM 1179631

S. Lorrain Twp. Dist. of Timiskaming, Ontario

Scale: 1:200 NTS 31-M-3

A.W. Beecham Jan 1994

ACKNOWLEDGEMENTS

The author wishes to extend recognition and his gratitude to the following people:

Jim Ireland, Cobalt Resident Geologist and his Staff; John Gore; Cobatec Ltd.; Doug Robinson; Art (A.W.) Beecham; Hugh Moore; Les Gondor; and Albert Chitaroni.

Over the past three years these people have assisted the author and Mr. Albert Chitaroni in assessing a "new" area for base-metal and cobalt exploration. without these people, this area would have been largely ignored.

REFERENCES

Beecham, A.W. "Geological Observations -- John A. Gore, Oxbow Lake Claims South Lorrain Township", Dist. of Timiskaming, Ont., Haileybury, Ontario, (Jan.7,1994.).

Chitaroni, G. OPAP Report on "The Elite Cobalt Base-Metal Project" South Lorrain Township, Cobalt, Ontario, (Sept. 30,1992).

McIlwaine, W.H. ODM -- "Geology of South Lorrain Township, Geology Report 83", 1970, Queens Park, Toronto, Ontario, (1970).

Robinson, D. "Compilation of Geology, Mining and Exploration Activities: South Lorrain Twp Near Chitaroni Claims", Swastika, Ontario, (Nov.30, 1992).

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W 9480-00506

DOCUMENT No. 2.15651

Res. Steel – Cobalt.

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.

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 complete
- Technical reports and maps must accompany
- A sketch, showing the claims the work is assig...

31M03NW0027 2.15651 SOUTH LORRAIN

900

Recorded Holder(s) [redacted] John Gore			Client No. 138273 [redacted]
Address [redacted] 31 Ruby St, P.O. Box 212, Cobalt, Ont. P0J1C0			Telephone No. 705-679-5946
Mining Division Larder Lake	Township/Area South Lorrain Twp		M or G Plan No. M591
Dates Work Performed From: May 22, 1992.	To: Sept 5, 1994		

Work Performed (Check One Work Group Only)

	Work Group	Type
✓	Geotechnical Survey	~~Physical Work~~, Prospecting, Sampling, Report(s) of Activities, Assays
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	

RECEIVED
OCT 1994
MINING LANDS BRANCH

Name	Address
Accurassay Labs ph 567-3361	P.O. Box 426, 3 Industrial Dr. Kirkland Lake
Temiskaming Testing Labs	P.O. Box 799 Presley St Cobalt Ont

Name	Address
Gino Chitaroni ph 679-5946	Portage Bay Rd, P.O. Box 271, Cobalt Ont P0J1C0
Doug Robinson ph 642-9153	24 Victoria Ave. Swastika Ont.
Glen McBride ph 647-3602	158 May St, New Liskeard, Ont.
John Gore ph 679-5710	31 Ruby St., Cobalt Ontario

(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: Sept 16, 1994	Recorded Holder or Agent (Signature): Gino Chitaroni

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: Gino Chitaroni, Portage Bay Rd. P.O. Box 271, Cobalt, Ont

Telephone No.	Date	Certified By (Signature)
705-679-5946	Sept. 16, 1994	Gino Chitaroni

RECEIVED
OCT 19 94 PM 4 11
MINING LANDS BRANCH

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$9,030.	Oct 19/94		
	Deemed Approval Date: Jan. 18/95	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

(4) (3) (2) (1)

Total Number of Claims	Claim Number (see Note 2)	Number of Claim Units	Applying Reserve	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
4	1118450	10		$5,500.00	$ 0	$5,500.00	$ 0
18 units	1118537	6		1,000.00	7,000.00	0	0
	1118536	1		530.00	2,030.00	0	0
	1179175	1		2,000.00	0	2,000.00	0
						$3,468	
						1,630.00	
						1,334	
						1260.00	
						5,1,88	
Total Value Work Done	Total Value Work Applied					Total Assigned From	Total Reserve
$9,030.00	$9,030.00					$7,500.00	$ 0

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

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

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

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

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

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature:	Date: Sept 16/94

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: W 9480.00506

DOCUMENT No.

2.15551

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) 670-7284.

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) 670-7284.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	3300.00	
	Field Supervision Supervision sur le terrain	2,200.00	$ 5500.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Geological	2900.00	
	Assays	450.00	$ 3,350.00
Supplies Used Fournitures utilisées	Type		
		—	—
Equipment Rental Location de matériel	Type		
		—	—
	Total Direct Costs / Total des coûts directs		$ 8850.00

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 ½ ton	180.00	
	RECEIVED		$ 180.00
Food and Lodging Nourriture et hébergement	OCT		—
Mobilization and Demobilization Mobilisation et démobilisation	Min...		—
	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)		$ 180.00

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
x 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
x 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
	Sept 16/94

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

Telephone: (705) 670-5841
Fax: (705) 670-5863

February 01, 1995

Our File: 2.15651
Transaction #:W9480.00506

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

Dear Mr. Spooner:

RE: APPROVAL OF NOTICE OF DEFICIENCY/REDUCTION ISSUED ON MINING CLAIMS 1118450 ET AL. IN SOUTH LORRAIN TOWNSHIP

The Deficiencies outlined on the notice of reduction/deficiency dated December 16, 1994 have not been rectified. Accordingly, the allowable assessment credit for the submission (File 2.15651, Transaction # W9480.00506) is now $3,400.00, not $5,688.00. Therefore, $3,400.00 of assessment credit has been approved for this submission as of January 31, 1995.

If you require additional assistance in this matter please contact Steven Beneteau at (705) 670-5858.

ORIGINAL SIGNED BY:

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

SBB/jl
Enclosures:

cc Assessment Files Office
Sudbury, Ontario

Resident Geologist
Cobalt, Ontario

DISTRIBUTION OF ALLOWABLE ASSESSMENT CREDIT:

February 1, 1995
File 2.15651
Transaction # W9480.00506

CLAIM	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM
1118450	$2,070.00
1118537	$ 377.00
1118536	$ 200.00
1179175	$ 753.00
TOTAL	$3,400.00

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

Mining Claim / Concession minière

Mining Act / Loi sur les mines

Client No./N° de client	Licence No./N° de permis	Claim No./N° de concession minière
166450 ✓	K-20416 ✓	L 1118536 ✓

Recorded By/Enregistré par: Glenn McBride

Date Recorded/Date de l'enregistrement: Octoberr20, 1992 ✓

Address/Adresse: 158 May Street P.O. Box 2885
NEW LISKEARD, Ontario P0J 1P0

Transaction No./N° de transaction: R9280.00788 ✓

Completion Date and Time/Date et heure d'achèvement: September 20, 1992 at 9:05 a.m ✓

Description of Claim/Description de la concession minière: SOUTH LORRAIN TOWNSHIP (M-591)

No. of Claim Units / N^bre d'unités de concessions minières	Not Tagged / Non marqué
6 ✓	

Total Work Assignment Dollars Used / Total des sommes utilisées pour les travaux

Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations may apply.
Réserves : Les droits de surface sont réservés sur 400 pieds sur le périmètre de tous les lacs et les rivières. Le sable, le gravier et la tourbe sont réservés. D'autres réserves peuvent s'appliquer.

Excluding Hydro right of way (13) ✓

Excluding road (6) ✓

Date	$	
Oct. 20/92		(T60) Glenn McBride (166450) records 100% in the name of Albert Chitaroni (117869) (R9280.00788) ✓
Nov. 25/92		Approved Mar 3/93 - $77. (W10) (AEM)(AMAG)(AVLF) Geotechnical Work Performed; $ ~~201.00~~ ✓ (W9280.00219)
Nov. 25/92	77. ~~201.~~	Approved Mar 3/93 - $77. (W10) (AEM)(AMAG)(AVLF) Geotechnical Work Applied; ~~$201.~~ (W9280.0021

This abstract is a copy of the entries in the record and is not to be considered as assurance of the validity of the claim

APR 13 1994

ACTING MINING RECORDER
LARDER LAKE MINING DIVISION

RECEIVED
OCT 21 1994
MINING LANDS BRANCH

2.1565

0218 (94/01)

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

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

Ontario

Mining Claim / Concession minière

Mining Act / Loi sur les mines

Client No./N° de client	Licence No./N° de permis	Claim No./N° de concession minière
166450	K-20416	L 1118537 ✓

Recorded By/Enregistré par: Glenn McBride

Date Recorded/Date de l'enregistrement: October 20, 1992 ✓

Address/Adresse: 158 May Street P.O. Box 2885
NEW LISKEARD, Ontario

Transaction No./N° de transaction: R9280.00788

Completion Date and Time/Date et heure d'achèvement: September 20, 1992 at 12:45 p.m. ✓

Description of Claim/Description de la concession minière: SOUTH LORRAIN TOWNSHIP (M-591) ✓

No. of Claim Units / N^bre d'unités de concessions minières: 6 ✓

Not Tagged / Non marqué:

Total Work Assignment Dollars Used / Total des sommes utilisées pour les travaux:

Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations may apply.
Réserves : Les droits de surface sont réservés sur 400 pieds sur le périmètre de tous les lacs et les rivières. Le sable, le gravier et la tourbe sont réservés. D'autres réserves peuvent s'appliquer.

Excluding Hydro right of way (13) ✓
Excluding road (6) ✓
Including land under water (5) ✓

RECEIVED
OCT 2 1 1994
MINING LANDS BRANCH

Date	$	
Oct. 20/92		(T60) Glenn McBride (166450) records 100% in the name of Albert Chitaroni (117869) (R9280.00789) ✓
Nov. 25/92		Approved Mar 3/93 ✓ $154. (W10) (AFM)(AMAG)(AVLF) Geotechnical Work Performed; $1206. (W9280.00219) ✓
Nov. 25/92	$154. 1206.	Approved Mar 3/93 $154. (W10) (AFM)(AMAG)(AVLF) Geotechnical Work Applied; $1206. (W9280.0021

This abstract is a copy of the entry in the record and is not to be construed as assurance of the validity of the claim.

APR 13 1994

ACTING MINING RECORDER
LARDER LAKE MINING DIVISION

2.15651

6210 (2/89)

Note : 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

Mining Claim / Concession minière

Mining Act / Loi sur les mines

Client No./N° de client	Licence No./N° de permis	Claim No./N° de concession minière
117874	K-21713	L 1179175

Recorded By/Enregistré par: Gino Chitaroni

Date Recorded/Date de l'enregistrement: December 11, 1991

Address/Adresse: Portage Bay Road, COBALT, Ontario, P.O. Box 271, P0J 1C0

Transaction No./N° de transaction: R9180.05439

Completion Date and Time/Date et heure d'achèvement: November 21, 1991 at 4:00 p.m.

Description of Claim/Description de la concession minière: SOUTH LORRAIN TOWNSHIP (M-591)

No. of Claim Units / N^bre d'unités de concessions minières	Not Tagged / Non marqué
1	

Total Work Assignment Dollars Used / Total des sommes utilisées pour les travaux

Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations may apply.
Réserves : Les droits de surface sont réservés sur 400 pieds sur le périmètre de tous les lacs et les rivières. Le sable, le gravier et la tourbe sont réservés. D'autres réserves peuvent s'appliquer.

Excluding road (6)
Excluding Hydro right of way (13)

Date	$	
Sept. 30/92		(T10) Gino Chitaroni (117874) transfers 100% to Albert Chitaroni (117869) (T9280.00093)
Nov. 25/92		Approved Mar 3/93 - $114.- (W10) (AEM)(AMAG)(AVLF) Geotechnical Work Performed; ~~$201.00~~ (W9280.00220) -
Nov. 25/92	114. ~~201.~~	Approved Mar 3/93 - $114.- (W10) (AEM)(AMAG)(AVLF) Geotechnical Work Applied; ~~$201.00~~ (W9280.00220) -
Oct 26/92		(W20)(PDRILL) Physical work performed: $2384. (W9280.00254) -
Oct 26/92	$2384.	(W20)(PDRILL)(Physical work applied: $2384. (W9280.00254) -

This abstract is a copy of the entries in the record and is not to be considered as assurance of the validity of the claim

APR 13 1994

ACTING MINING RECORDER
LARDER LAKE MINING DIVISION

RECEIVED
OCT 21 1994

2.15651

0218 (94/01)

Note : 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

Mining Claim / Concession minière

Mining Act / Loi sur les mines

Client No./N° de client	Licence No./N° de permis	Claim No./N° de concession minière
166450	K-20416	L 1118450

Recorded By/Enregistré par: Glenn McBride

Date Recorded/Date de l'enregistrement: February 19, 1992

Address/Adresse:
158 May Street, P.O. Box 2885
NEW LISKEARD, Ontario
P0J 1P0

Transaction No./N° de transaction: R9280.00064

Completion Date and Time/Date et heure d'achèvement: February 8, 1992 at 4:30 p.m.

Description of Claim/Description de la concession minière: SOUTH LORRAIN TOWNSHIP (M-591)

No. of Claim Units / N^bre d'unités de concessions minières: 10

Not Tagged / Non marqué:

Total Work Assignment Dollars Used / Total des sommes utilisées pour les travaux:

Reservations - 400 foot Surface Rights reservation around all lakes and rivers. Sand, gravel and peat reserved. Other reservations may apply.
Réserves : Les droits de surface sont réservés sur 400 pieds sur le périmètre de tous les lacs et les rivières. Le sable, le gravier et la tourbe sont réservés. D'autres réserves peuvent s'appliquer.

Including land under water (5)

Date	$	
Feb. 19/92		(T60) Glenn McBride (166450) records 100% in the name Albert Chitaroni (117869) (R9280.00065) Approved Mar 3/93 $1025.
Nov. 25/92		(W10) (AEM)(AMAG)(AVLF) Geotechnical Work Performed: ~~$2010.00~~ (W9280.00220)
Nov. 25/92	1025. ~~2010.~~	Approved Mar 3/93 $1025. (W10) (AEM)(AMAG)(AVLF) Geotechnical Work Applied: ~~$2010.~~ (W9280.00220)
Oct 26/92		(W20)(PDRILL) Physical work performed: $7156. (W9280.00254)
Oct 26/92	$7156.	(W20)(PDRILL) Physical work applied: $7156. (W9280.00254)

This extract is a copy of the entries in the record and is not to be considered as evidence of the validity of the claim

APR 13 1994

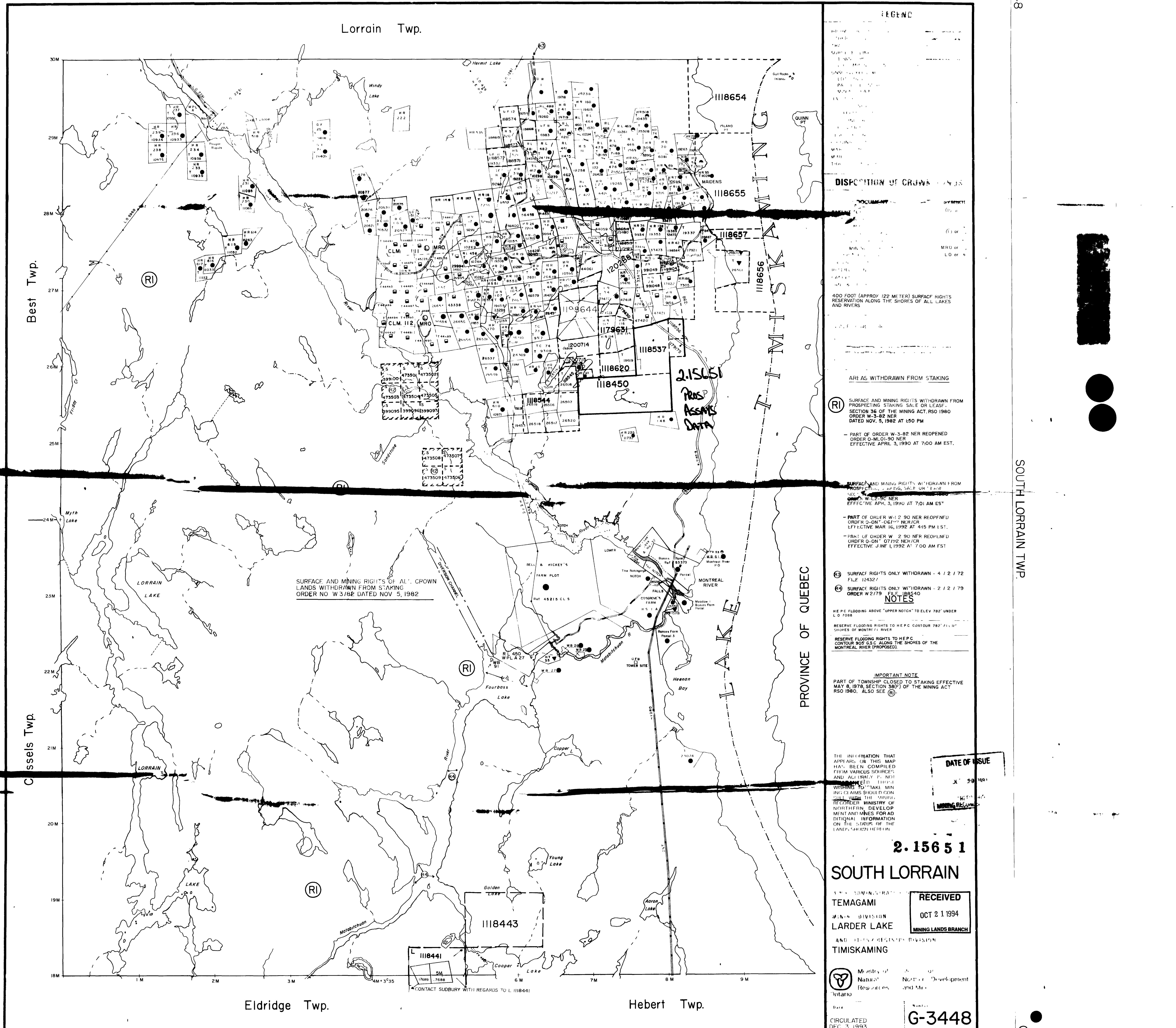
ACTING MINING RECORDER
LARDER LAKE MINING DIVISION

RECEIVED
OCT 21 1994
Mi...

0210 (2/91)

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

COBALT RESIDENT
GEOLOGIST DISTRICT


Lorrain Twp.
Best Twp.
Cassels Twp.
Eldridge Twp.
Hebert Twp.
LAKE TIMISKAMING
PROVINCE OF QUEBEC
Hermit Lake
Windy Lake
Myth Lake
LORRAIN LAKE
Fourbass Lake
Golden Lake
Young Lake
Cooper Lake
Copper Lake
Aaron Lake
Heenan Bay
MONTREAL RIVER
MAIDENS
QUINN PT
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1179631
1200714
1118537
1118620
1118450
1118544
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2.15651
PROS
ASSAYS
DATA
SURFACE AND MINING RIGHTS OF ALL CROWN LANDS WITHDRAWN FROM STAKING ORDER NO. W 3/82 DATED NOV. 5, 1982
CONTACT SUDBURY WITH REGARDS TO L 1118441
30M
29M
28M
27M
26M
25M
24M
23M
22M
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19M
18M
1M
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LEGEND
DISPOSITION OF CROWN LANDS
400 FOOT (APPROX. 122 METER) SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS
AREAS WITHDRAWN FROM STAKING
SURFACE AND MINING RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE. SECTION 36 OF THE MINING ACT, RSO 1980 ORDER W-3-82 NER DATED NOV. 5, 1982 AT 1:50 PM
- PART OF ORDER W-3-82 NER REOPENED ORDER O-ML01-90 NER EFFECTIVE APRIL 3, 1990 AT 7:00 AM EST.
SURFACE RIGHTS ONLY WITHDRAWN - 4/2/72 FILE 124327
SURFACE RIGHTS ONLY WITHDRAWN - 2/2/79 ORDER W 2/79 FILE 188540
NOTES
IMPORTANT NOTE
PART OF TOWNSHIP CLOSED TO STAKING EFFECTIVE MAY 8, 1978, SECTION 38(F) OF THE MINING ACT RSO 1980, ALSO SEE (RI)
DATE OF ISSUE
2.15651
SOUTH LORRAIN
TEMAGAMI
LARDER LAKE
TIMISKAMING
RECEIVED
OCT 21 1994
MINING LANDS BRANCH
CIRCULATED
DEC. 3, 1993
G-3448

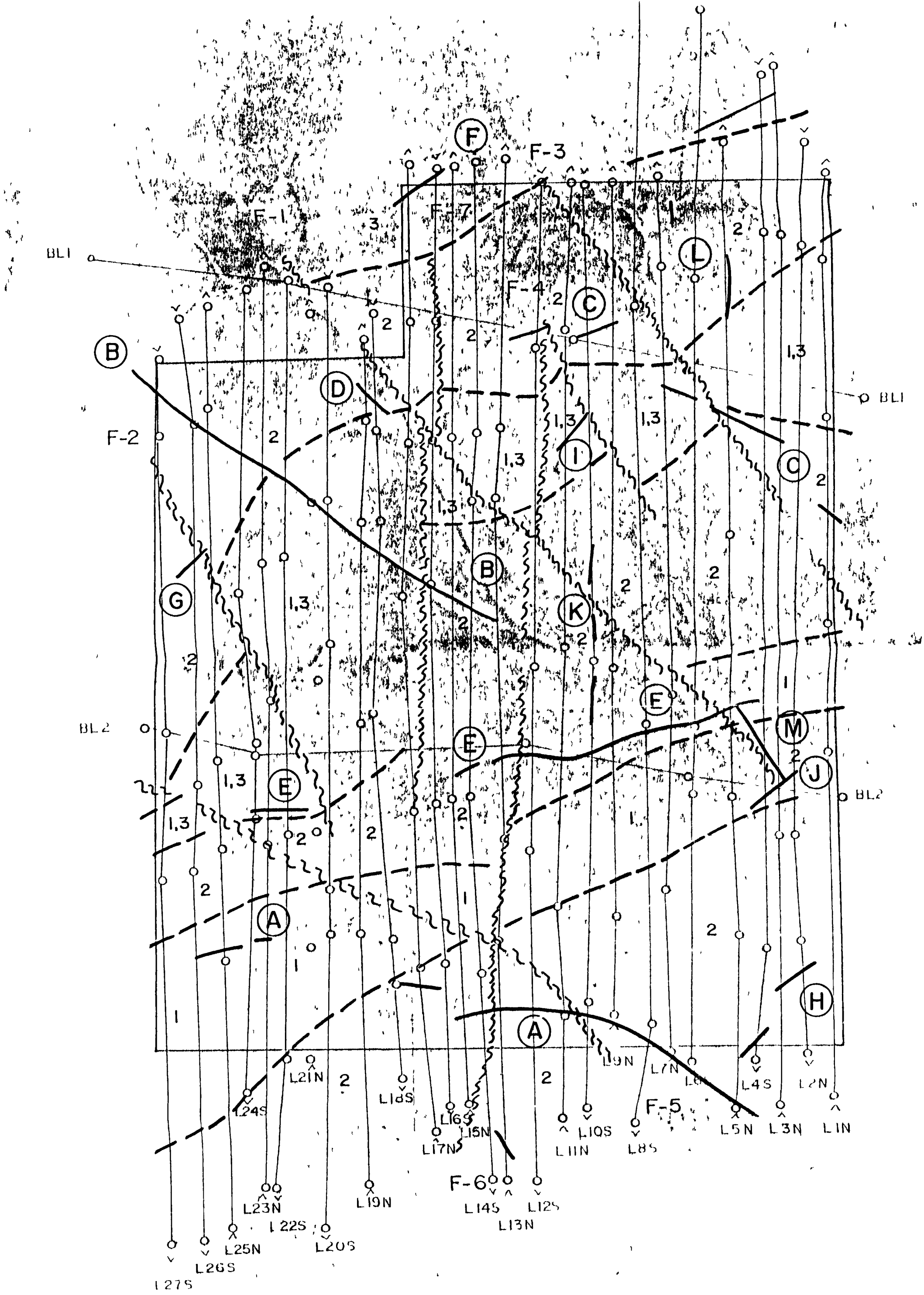
G-3448

SOUTH LORRAIN TWP.

G-3448

"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."

31M05NW0027 2.15651 SOUTH LORRAIN 200

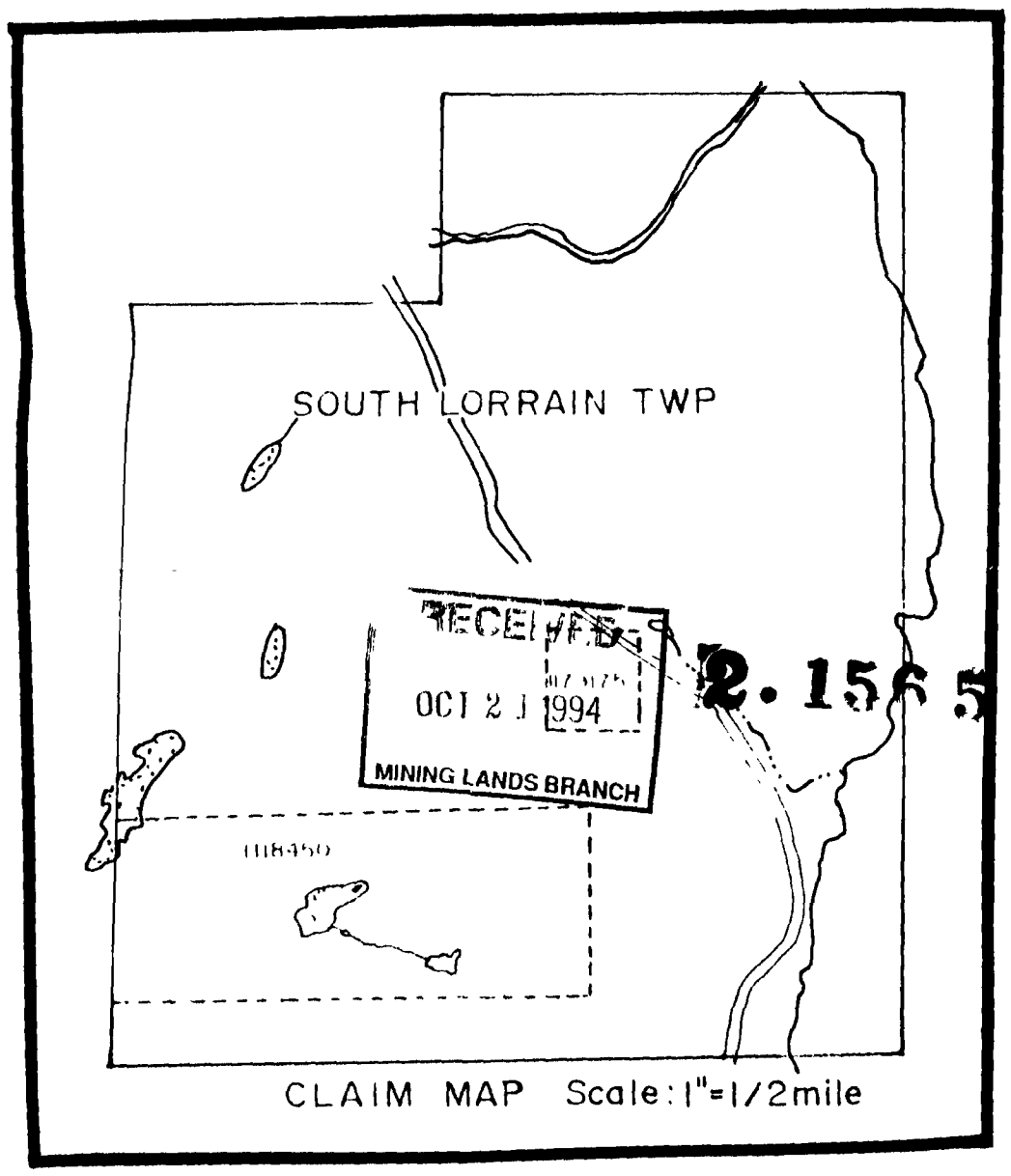


LEGEND

3 - NIPISSING DIABASE
2 - COLEMAN MEMBER SEDIMENTS
1 - INTERMEDIATE TO MAFIC METAVOLCANICS

SYMBOLS

—— GEOLOGICAL CONTACT, (From the magnetic data)
sss sss POSSIBLE FAULT, (From geophysical data)
—— CONDUCTOR AXIS



CLAIM MAP Scale: 1"=1/2mile

220

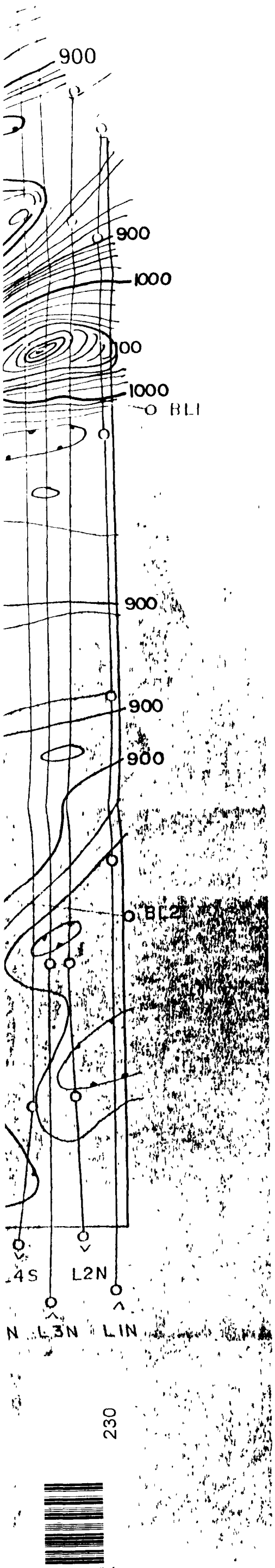
TYPE OF WORK

GEOLOGICAL INTERPRETATION

CLIENT

ALBERT CHITARONI

DATE	MAP NO:	AREA
SEPT. 1992	GI-1	SOUTH LORRAIN TWP. Ontario
RA RA Campbell H. Ferderber Geophysics Ltd.		SCALE 1" = 1/4 mile
		DRAWN BY



LEGEND

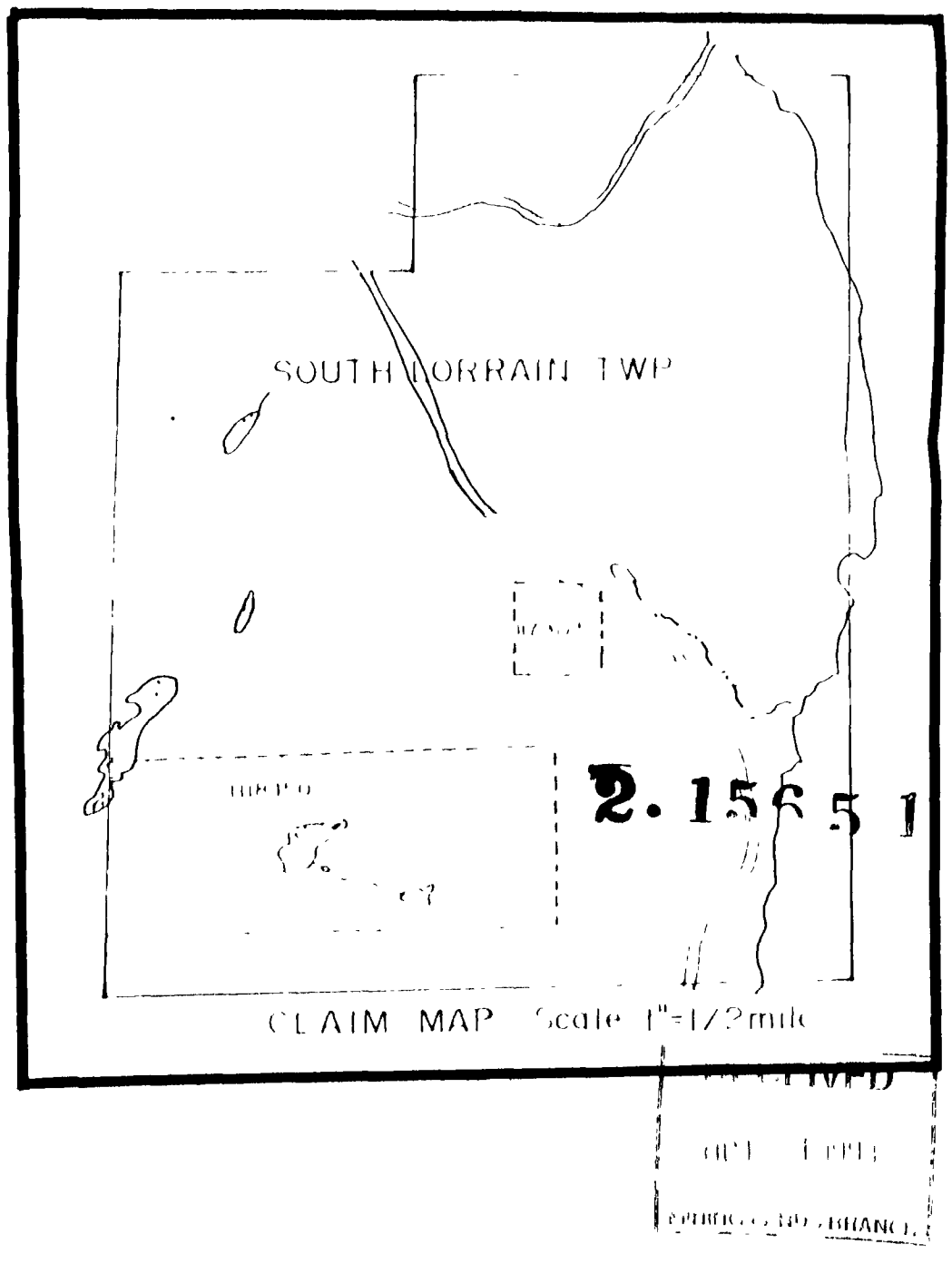
— TOTAL FIELD CONTOUR INTERVAL 20 GAMMAS

O FIDUCIAL POINT

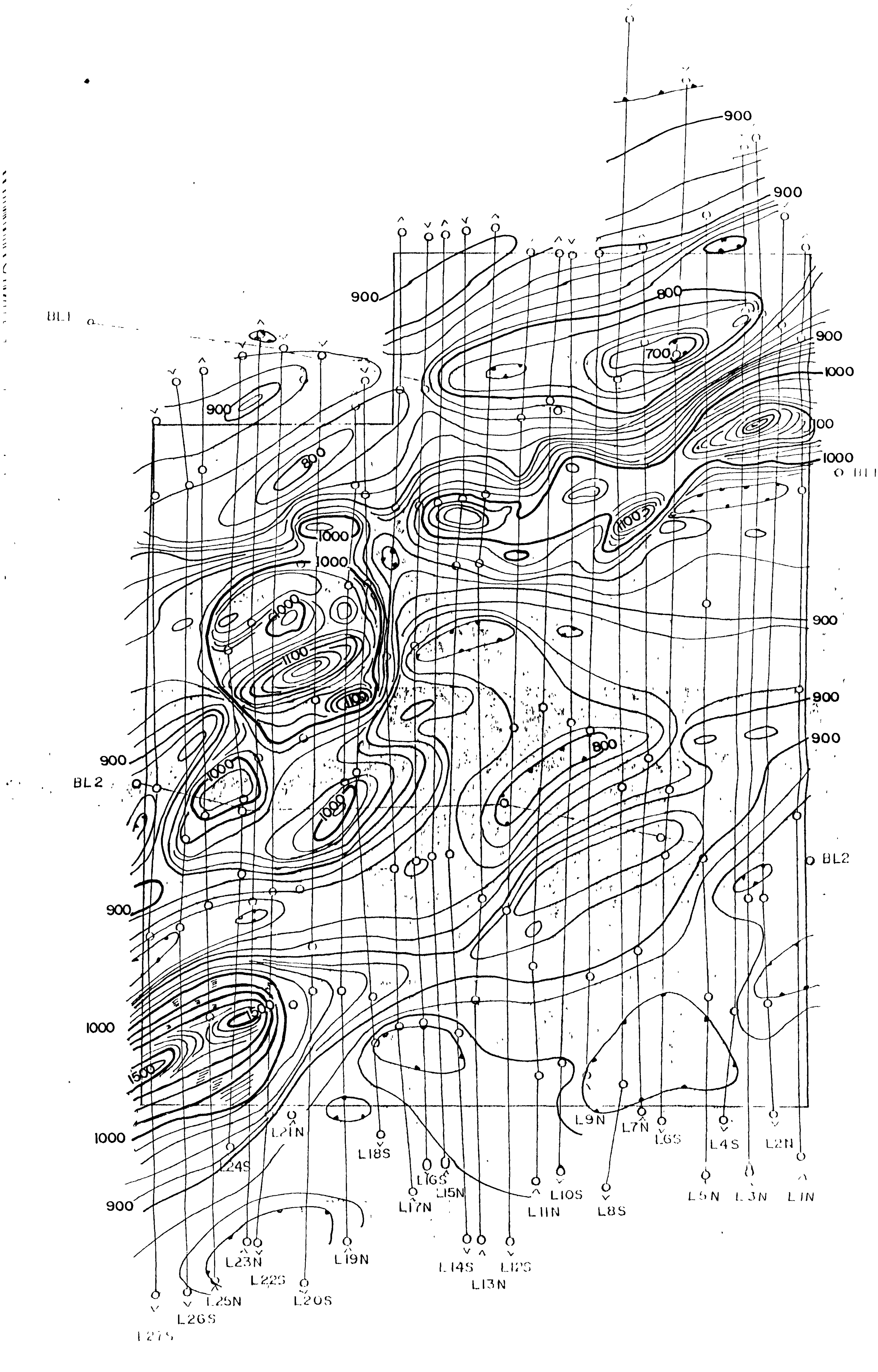
> LINE DIRECTION

BASE VALUE 57 000 GAMMAS 20

MAGNETIC LOW



TYPE OF WORK		
AIRBORNE TOTAL FIELD MAGNETIC SURVEY		
CLIENT		
ALBERT CHITARONI		
DATE SEPT 1992	MAP NO MG-1	AREA SOUTH LORRAIN TWP ontario
R.A. Campbell RA H. Ferderber Geophysics Ltd.		SCALE 1" = 1/4 mile
		DRAWN BY D MARCOTTE



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L13N
L22S
L25N
L20S
L26S
L27S

LEGEND

TOTAL FIELD CONTOUR INTERVAL 2 %

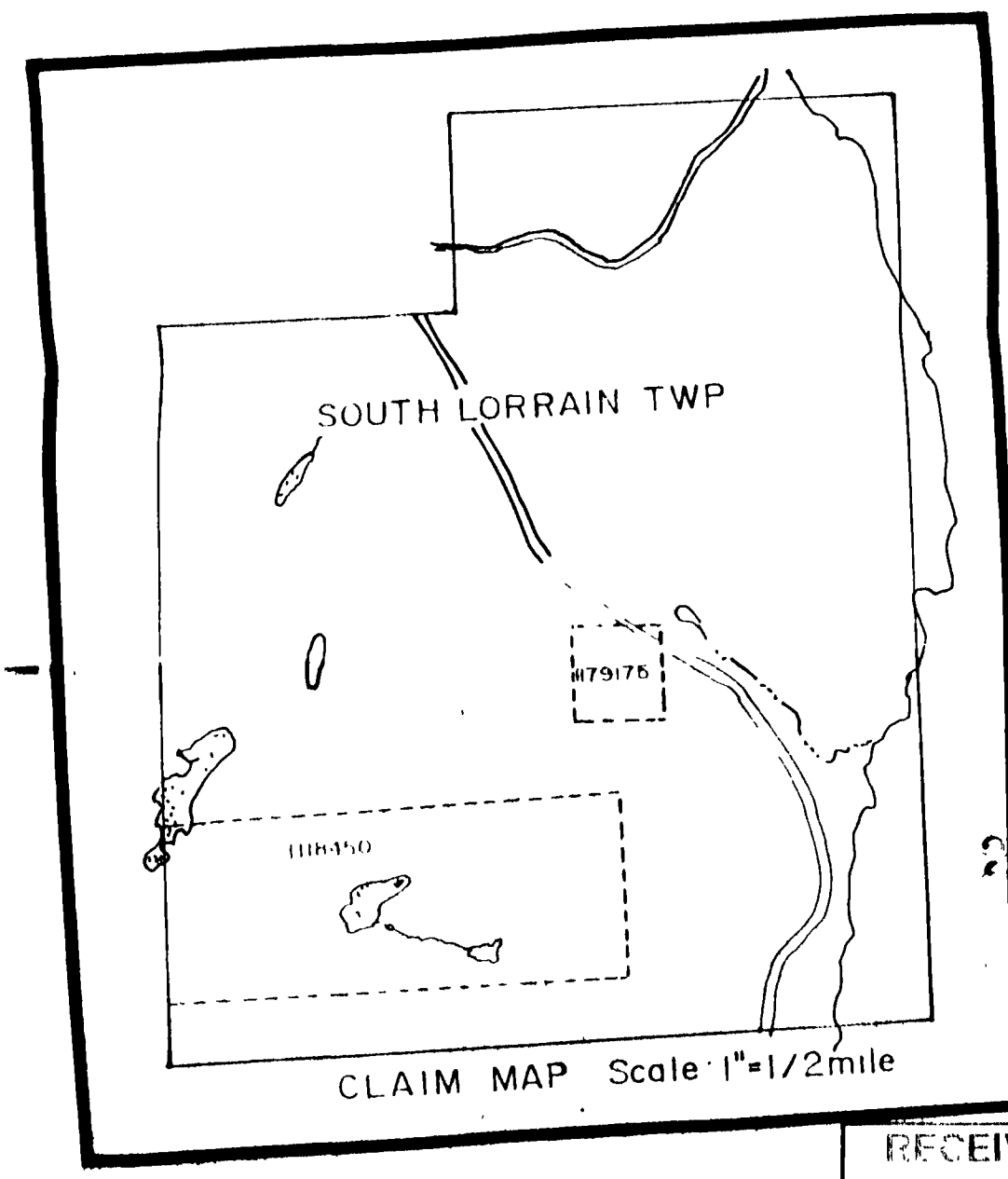
CONDUCTOR AXIS

FIDUCIAL POINT

LINE DIRECTION

STATION USED: CUTLER MAINE (NAA) 24.0 kHz

LESS THAN ZERO



CLAIM MAP Scale 1"=1/2mile

2.15651

240

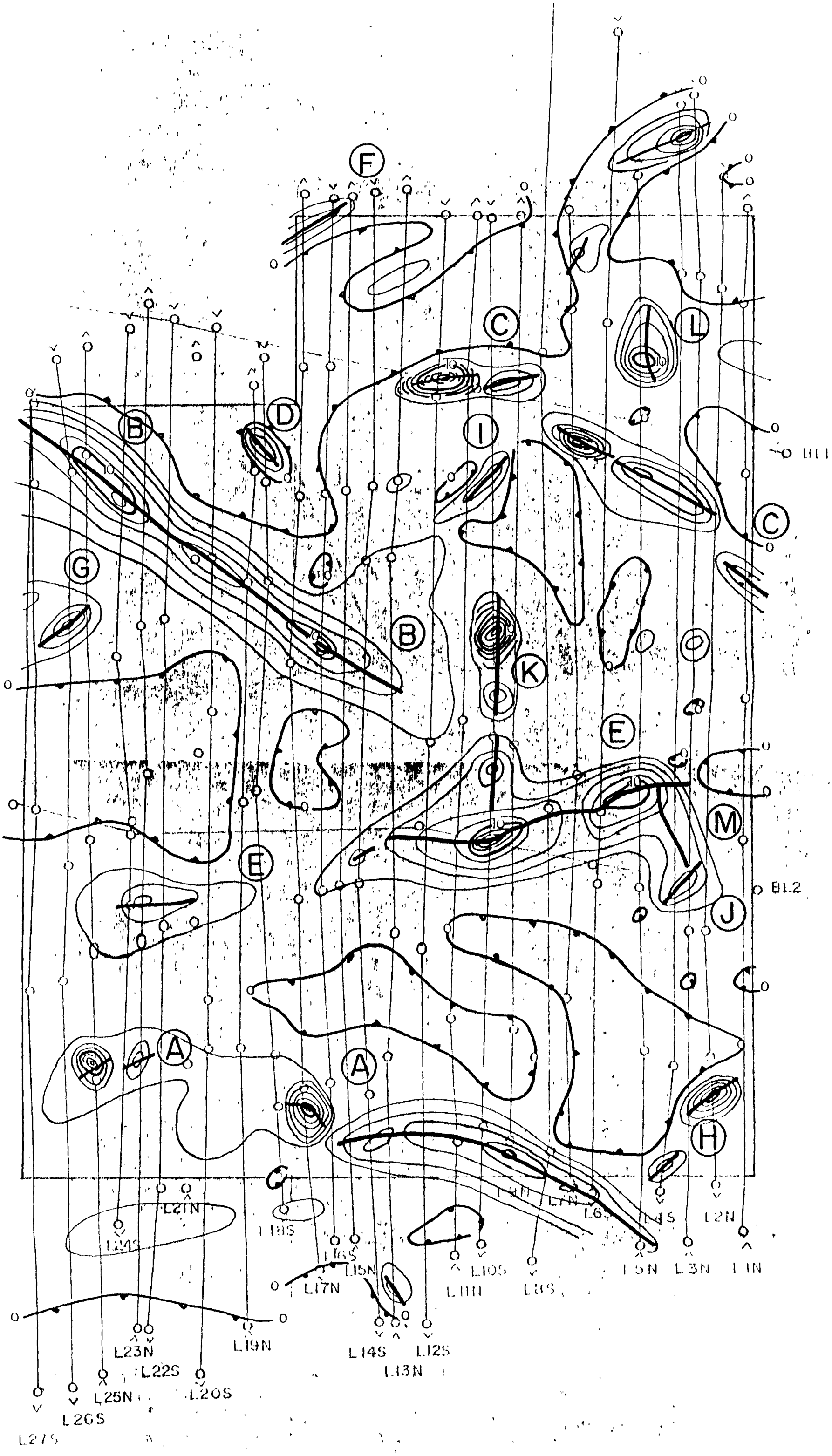
TYPE OF WORK

AIRBORNE VLF-ELECTROMAGNETIC SURVEY

CLIENT

ALBERT CHITARONI

DATE	MAP NO	AREA
SEPT. 1992	EM-1	SOUTH LORRAIN TWP Ontario
		SCALE 1"=1/4 mile
RA Campbell RA H. Ferderber Geophysics Ltd.		DRAWN BY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