

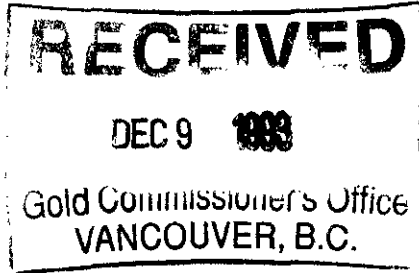
GEOLOGICAL AND GEOPHYSICAL REPORT

ON THE

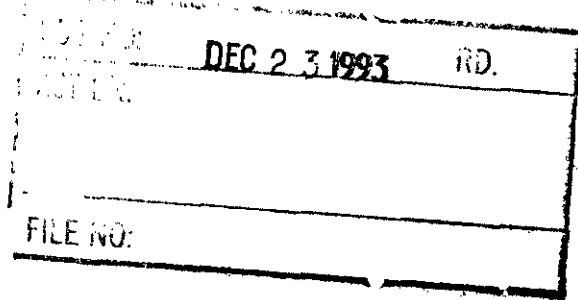
CALVIN GROUP CLAIMS

SKEENA MINING DIVISION,

BRITISH COLUMBIA



NTS: 104 B/9 AND 10



PREPARED BY: PERRY GRUNENBERG, P. GEO.

DECEMBER, 1993

Location: 56°40' North Latitude; 130°16' West Longitude

Operator: Canamera Geological Ltd.

Owner: Tagish Resources Ltd.

Approval #: SMI-93-0101197-215

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,148

SUMMARY

The 60 unit Calvin claim group is located adjacent to the Unuk River in northwestern British Columbia. The claims lay on the eastern extension of favourable ore-bearing regional geologic terrains. The Au-Ag rich Eskay Creek deposits are within ten kilometres to the west of the claim group.

In August and September of 1993, Canamera Geological Ltd. carried out VLF-EM and magnetometer surveys on two areas of the group. Soil sampling of two of the geophysical survey lines was also completed. Soil assay results were inconclusive as no anomalous values for base or precious metals were returned.

Three sets of VLF-EM conductors, found within the East Grid, may be related to conductive portions of bedding and may reflect folding. VLF-EM survey produced two weak conductors on the West Grid. The features show low conductivity and is believed to be caused by overburden. no magnetic associations with conductivity were evident on either grid.

No significant magnetic anomalies were detected in the East Grid or the West Grid.

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1.0 INTRODUCTION

In the fall of 1993, Canamera Geological Ltd. completed a geochemical and geophysical assessment over parts of the Calvin Claim Group. The following report summarizes this work.

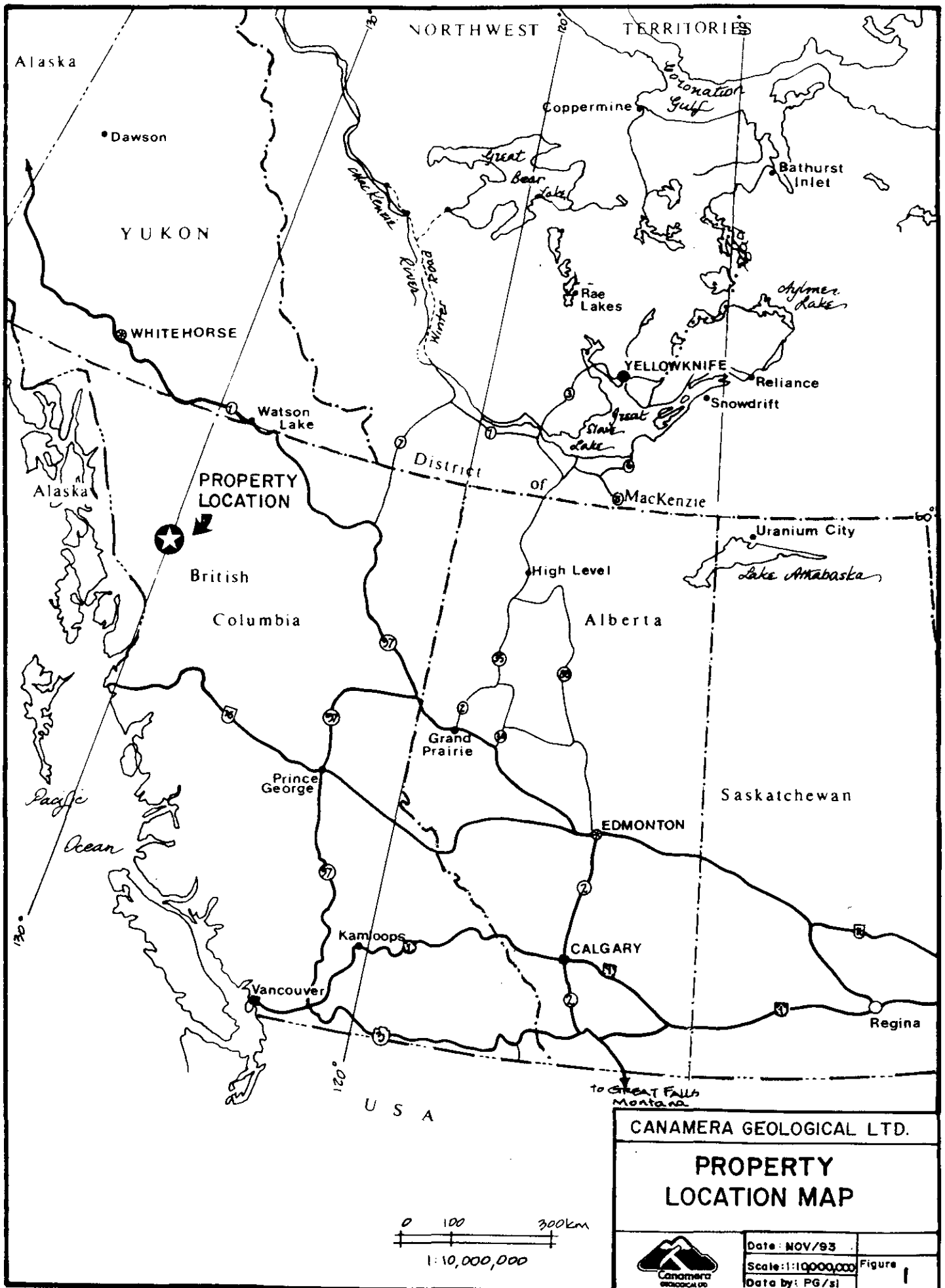
1.1 LOCATION AND ACCESS

The property is located in western British Columbia near the Unuk and Iskut rivers, centered at $56^{\circ}40' N$, and $130^{\circ}16' W$ (NTS 104B/9), approximately 950 kilometres northwest of Vancouver and 80 kilometres northwest of the town of Stewart (Fig.1).

Scheduled flights from Vancouver to Smithers and Terrace are provided by Central Mountain Air and Canadian Regional airlines. A well maintained gravel airstrip is located near the town of Bob Quinn on the Stewart-Cassiar Highway (#37). Local fixed wing charters are available providing flights to this strip.

The property is most easily accessed by helicopter from the Stewart-Cassiar Highway which runs north-south roughly 25 km. east of the property. Northern Mountain Helicopters provides service from Bell II, and Vancouver Island Helicopters provides service from Bob Quinn, both situated along the highway east of the property.

Road construction is currently in progress to provide access to the Eskay Creek mine from the Stewart-Cassiar Highway near the town of Bob Quinn. When completed, this road will run down the west side of the Iskut River to Volcanoe Creek, up Volcanoe Creek past the foot of Mount Shirley to the north end of Tom Mackay Lake, then east into Eskay Creek. This road should be completed by the spring of 1994.



1.2 TOPOGRAPHY, PHYSIOGRAPHY AND CLIMATE

The property is situated on the western margin of the Coast Ranges of British Columbia. Climate is moderate, with cool wet summers and mild winters. Annual precipitation averages 250 cm., much of which falls as snow between the months of October and April. Temperature extremes range from -40 to 30 degrees centigrade, with mean average monthly temperatures ranging from 12 degrees in August, to -10 degrees centigrade in December.

The area has been glaciated and elevations on the property vary from 400 metres above sea level in the Unuk River valley, to 1800 metres above sea level on Mount Shirley. The area is deeply incised by rivers and steep sided river and stream canyons are common. Tree line is at approximately 1000 metres above sea level.

Vegetation in the area is variable. Coastal Western Hemlock forests extend along the Unuk River basin up to Storie Creek, changing to predominantly Mountain Hemlock forests that extend midway up Eskay and Ketchum Creeks. Steeper and less stable slopes host slide alder, devil's club, and wild raspberry. Remaining areas of Eskay, lower Argillite and mid Tom Mackay Creeks exhibit Englemann Spruce-Subalpine Fir zone characteristics. Upper sections of Argillite and Tom Mackay Creeks and the Mackay Lakes are alpine tundra and are essentially treeless with the exception of minor stunted growth. Vegetation consists mainly of lichen, mosses, sedges and alpine flowers.

1.3 PROPERTY STATUS

The property is composed of three modified grid claims totaling 60 units (Figure 2), covering an area of 15 square kilometres. The claims are 100 percent owned by TAGISH RESOURCES LTD. The claim names, record number, size, and anniversary dates are listed in Table I.

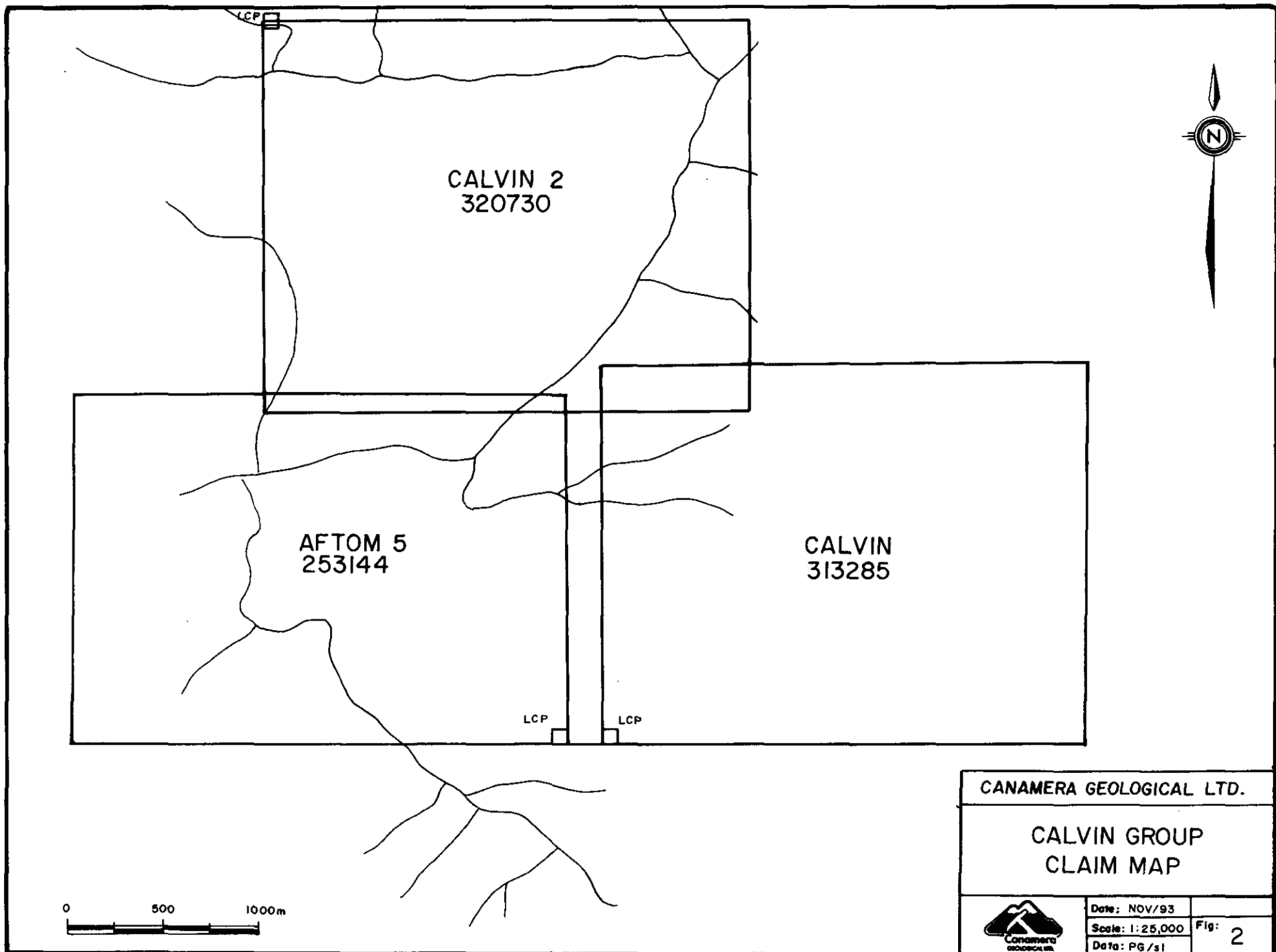
1.4 HISTORY AND PREVIOUS EXPLORATION

The area has a long history of exploration since the discovery of mineralized gossanous bluffs along Eskay Creek, first staked in 1932 by T.S. Mackay and W.A. Prout. Exploration has concentrated on delineating high grade precious metal mineralization. Work completed by the Premier Gold Mining Company from 1935 to 1938 discovered more than 30 mineralized zones along the gossanous bluffs of Coulter and Eskay Creeks. These were numbered in sequence of discovery as zones (e.g. #20 Zone). In 1934, the 84 metre Mackay adit was driven on workings three kilometres southwest of the current 21 zone deposits.

Exploration continued through the decades, with further underground work on the Mackay adit, and development of the Emma adit closer to the 21 Zone, abundant surface trenching, and drilling of 84 diamond drill holes totaling 3,950 metres. This work involved 11 different exploration companies.

TABLE I

CLAIM NAME	RECORD #	ANNIVERSARY DATE	# OF UNITS
CALVIN	313285	9-17-94	20
CALVIN 2	320730	8-28-94	20
AFTOM 5	253144	9-10-94	20



CALVIN 2
320730

AFTOM 5
253144

CALVIN
313285

LCP

LCP

CANAMERA GEOLOGICAL LTD.

CALVIN GROUP
CLAIM MAP



Date: NOV/93

Scale: 1:25,000

Date: PG/sl

Fig: 2

MINISTRY OF
ENERGY, MINES AND
PETROLEUM RESOURCES

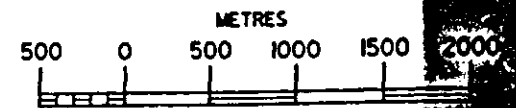
MINERAL TITLES REFERENCE

MAP 104B09W

U.T.M. ZONE 10

LAST MAP UPDATE: 1993 DEC 31

ORIGINAL PRODUCED AT 1:31580



ADMINISTRATIVE AREAS

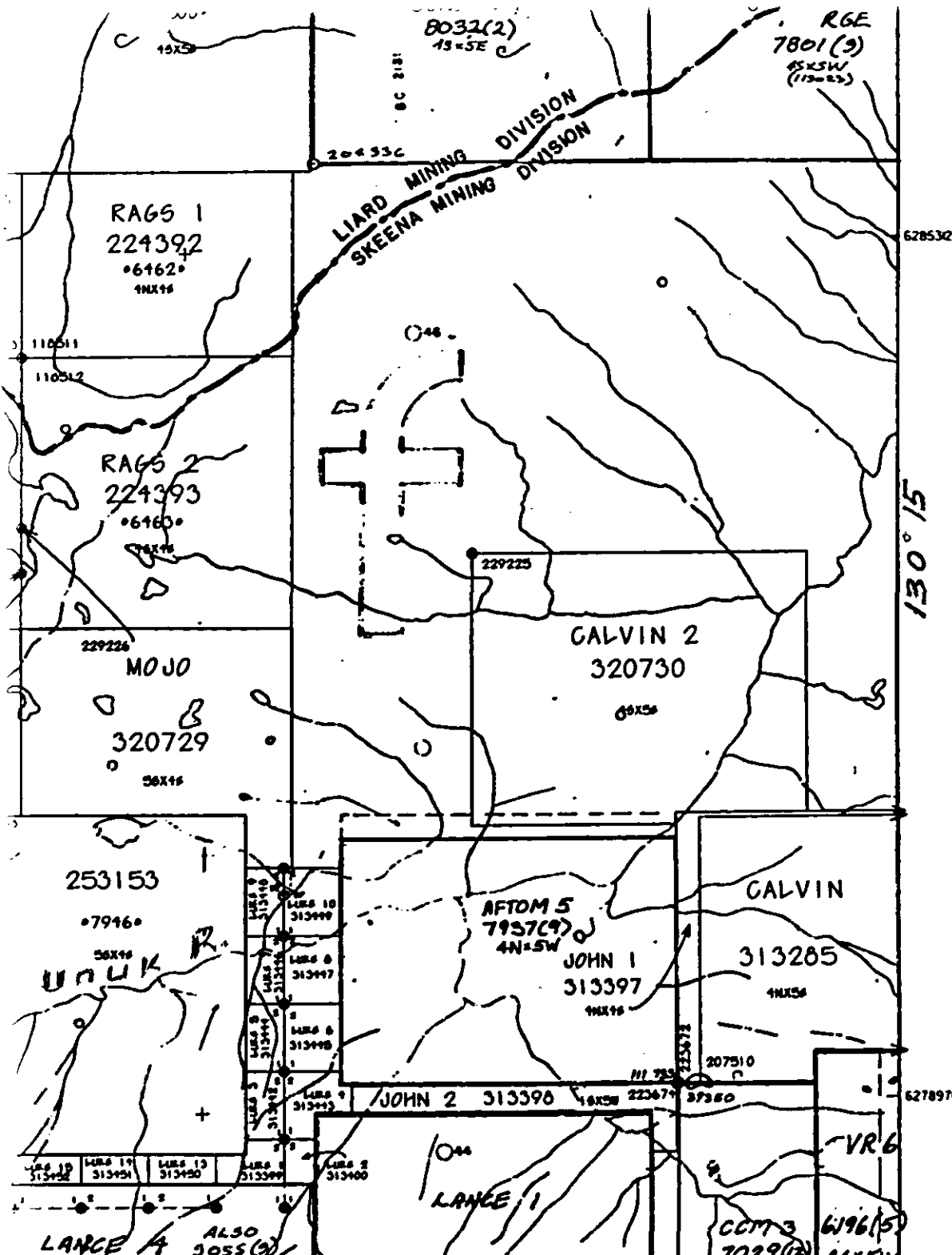
MINING DIVISIONS: LIARD, SKEENA

LAND DISTRICTS:

ALIENATIONS

NO STAKING AREAS

NO STAKING RESERVES



In November of 1988, Calpine Resources Inc. (now Prime Resources Ltd.) announced the discovery of high grade precious and base metal mineralization in the 21A Zone. Mineralization consisted of a combination of stockwork mineralization in rhyolite and massive sulfides at the contact of rhyolite with overlying andesite. Additional drilling resulted in the delineation of the 21A Zone and the discovery of the 21B and 21C Zones further to the north.

By the end of 1989, 205 diamond drill holes were completed on the Eskay property. Drilling has defined the 21B Zone as the principle target. This zone has recent published mining reserves of 1.08 million tons grading 65.6 g/t Au, and 2,930 g/t Ag. Substantial underground workings have been driven into this deposit, and exploration is continuing with the prospect of adding additional mining reserves.

In September of 1991, geological mapping and prospecting was carried out over limited sections of the claim group by Cambria Geological Ltd. for Tagish Resources Ltd. This work suggested that further mapping was required to define Salmon River formational rocks where argillaceous sediments contain andesitic volcanics.

1.5 WORK COMPLETED ON THE GROUP DURING 1993

In the fall of 1993, Canamera Geological Ltd. was contracted to complete geological and geophysical surveys on the Calvin claim group. This work was carried out from a five person camp located to the west of the group, from August 29 to September 3, 1993.

A two line reconnaissance survey was conducted on the CALVIN claim (the west grid), working north from the south claim line. VLF-EM and magnetometer surveys and soil sampling were carried out on preset hip chain and compass survey lines. A VLF-EM and magnetometer survey was conducted on the CALVIN 2 claim (the east grid). An E-W base line was set near the northwest corner of the claim, and N-S lines were hip chain and compass surveyed from this. A total of 16 soil samples were taken, and nine kilometres of grid was established upon which eight kilometres of geophysical survey was completed, in these two areas.

2.0 GEOLOGY

2.1 REGIONAL GEOLOGY

On a broad scale, the property sits in the middle of the Iskut-Sulphurets gold camp. This area consists of four major tectonic assemblages which are bounded by unconformities. These are the Paleozoic Stikine assemblage, the Triassic to Jurassic arc complex rocks, the Jurassic Bowser Group, and the Tertiary Coast Plutonic complex.

Paleozoic Stikine assemblage rocks consist of fine to coarse grained sediments with plagioclase porphyry, felsic tuff, and basaltic lavas. These rocks crop out to the northwest of the property along the Iskut River. Triassic to Jurassic arc complex rocks consist of clastic sediments with volcanoclastic interbeds. These rocks are regionally extensive. Jurassic Bowser Group rocks cover much of the area north of the Prout Plateau and are comprised of thick sequences of thinly bedded siltstone, shale and sandstone with thin lenses of conglomerate. Coast Plutonic rocks are present in the area as a series of plutons, sills, and dikes that range in age from late Triassic to Oligocene. Stocks nearest to the property are the Melville and John Peaks diorites.

In closer proximity to the property within the upper Unuk River drainage, most of the area is underlain by rocks of the lower to middle Jurassic Hazelton Group. This group has been divided into four recognizable formations, the Unuk River formation, Betty Creek formation, Mount Dilworth formation, and the Salmon River formation.

The Unuk River formation is a thick sequence of fine grained andesitic pyroclastics and flows with tuffaceous turbidite, wacke, and conglomerate interbeds. The Betty Creek formation overlies the Unuk River formation and is a heterogeneous sequence of andesitic to dacitic tuffs and flows, interbedded with volcanic derived sedimentary rocks. Thick sequences of pillow lavas found on Mount Shirley have been correlated to the Betty Creek formation. The Betty Creek formation is overlain by the Mount Dilworth formation which consists of a sequence of felsic volcanic rocks. These are typically white weathering, or rusty where pyrite bearing, consisting of rhyolitic to dacitic ash and lapilli tuffs. This sequence of felsic volcanics appears to represent the terminal stages of volcanism in the area. This unit is important as a marker horizon for ore mineralization since it is host to many base and precious metal deposits, including the Eskay Creek deposit. The Salmon River formation is uppermost in the Hazelton Group strata, and consists of mainly turbiditic siltstones and fine sandstones with rare conglomerate, tuff, or volcanic interbeds. These rocks are gradational to the overlying Bowser Lake Group sedimentary rocks.

3.0 GEOCHEMISTRY

3.1 SAMPLE PROCEDURE

Two reconnaissance style soil sample survey lines were conducted on the Calvin claim. Stations were located and flagged using hip chain and compass, surveyed from the south Calvin claim line. Line spacing was 200 metres with stations at 150 metre intervals.

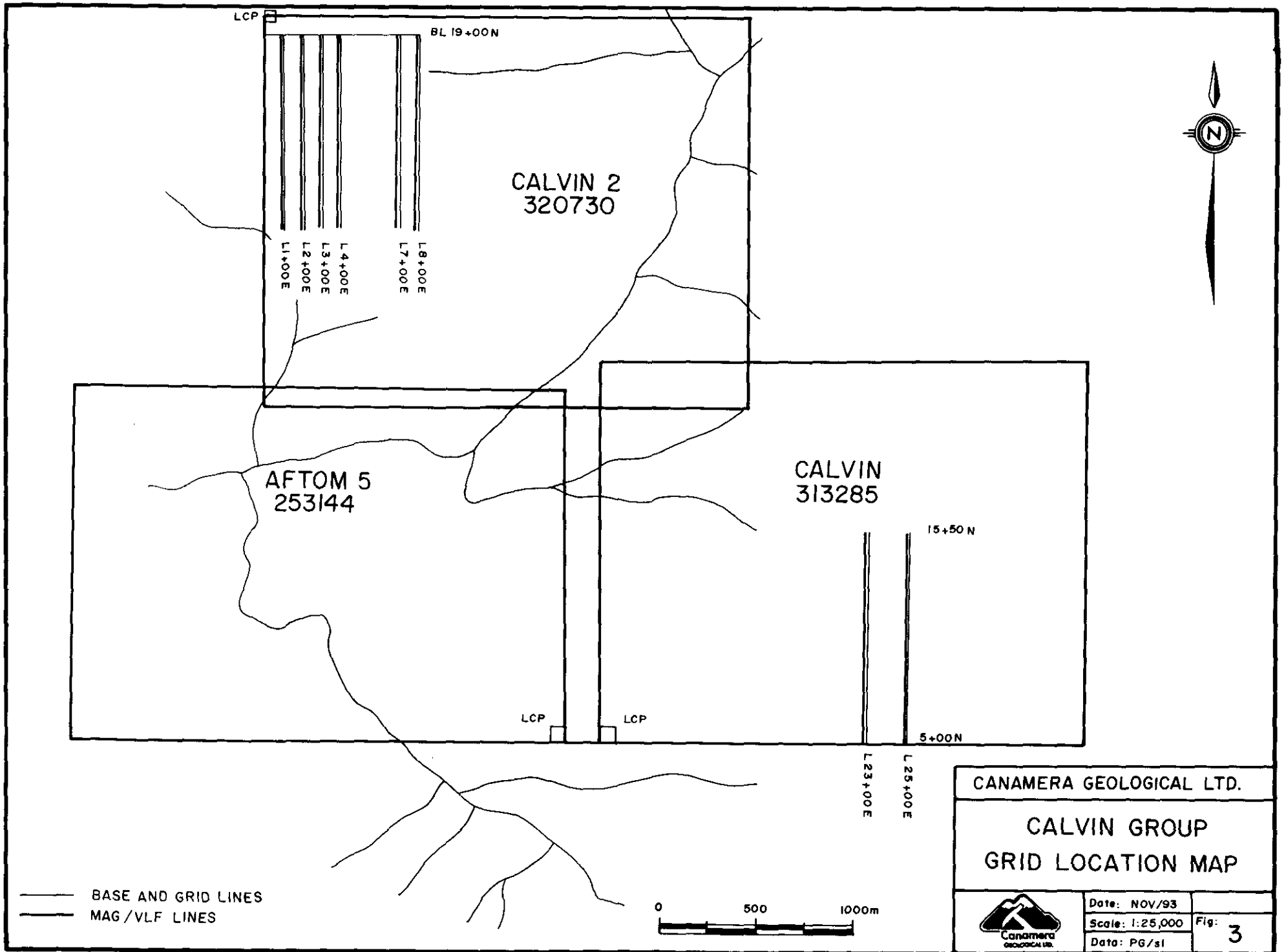
All samples were from the "B" horizon at a depth of approximately 30 cm. The samples were shipped to Chemex Labs Ltd. in North Vancouver where they were dry sieved to -80 mesh, then analyzed by the ICP method for 32 elements, and fire assayed for gold.

The location of the sample lines are shown on Figure 3.

3.2 SAMPLE RESULTS

Sample locations are shown on Figure 4.

Copies of Chemex Labs Certificates of results are contained within the appendix of this report. None of the samples returned gold values above the lower detection limit of 5 ppb. Silver values reach a high of 1.2 ppm on Line 23 + 00 E at 12 + 50 N. Elevated levels of iron and chromium L 23 + 00 E; 5 + 00 N and L 25 + 00 E; ; 9 + 50 N may be indicative of underlying basaltic dykes.



LCP

BL 19+00N

CALVIN 2
320730

L1+00E
L2+00E
L3+00E
L4+00E
L7+00E
L8+00E

AFTOM 5
253144

CALVIN
313285

15+50 N

LCP

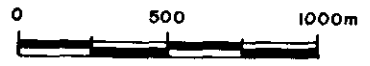
LCP


5+00N

L23+00E

L25+00E

— BASE AND GRID LINES
— MAG/VLF LINES



CANAMERA GEOLOGICAL LTD.		
CALVIN GROUP GRID LOCATION MAP		
	Date: NOV/93	
	Scale: 1:25,000	Fig: 3
	Date: PG/sl	



15+50 N

14+00 N

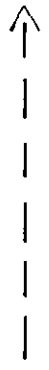
12+50 N

11+00 N

9+50 N

8+00 N

6+50 N



GENERAL
DOWN-SLOPE
DIRECTION

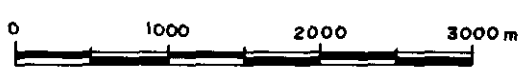
LCP 950m

CALVIN

CLAIM LINE

L23+00E

L25+00E



CANAMERA GEOLOGICAL LTD.

CALVIN CLAIM
SOIL SAMPLE
LOCATION MAP



Date: NOV /93
Scale: 1:5,000
Date: PG /sl

Fig: 4

4.0 GEOPHYSICS

4.1 PROCEDURE AND INSTRUMENTATION

4.1.1 Survey Parameters

- two grids were located on the Calvin group of claims.
- a two line survey on the West Grid was carried out over the Calvin claim.
- a six line survey on the East Grid was carried out over the Calvin 2 claim.
- survey line separation - 200 on the West Grid and 100 meters on the East Grid with a 300 m. gap between line 400E and 700E.
- data station spacing - 12.5 m. on both grids.
- horizontal control - compass and hip chain.
 - the south Calvin claim line was the control for the two north-south survey lines on the West Grid.
 - an east-west baseline was established from which north-south lines were located on the East Grid.
- a total of 2.05 km. of VLF-EM and magnetic data were accumulated over the West Grid
- a total of 6.0 km. of VLF-EM and magnetic data were accumulated over the East Grid

4.1.2 Equipment Parameters

- EDA Omni Plus combined VLF-EM and magnetometer in-phase (dip angle) and quadrature (out-of-phase) measured in percent at each station
- field strength measured at each station
- transmitting stations

- West Grid	- NPM (23.4 kHz.)	- Lualualei HI
	- NSS (21.4 kHz.)	- Annapolis MD
- East Grid	- NLK (24.8 kHz.)	- Seattle WA
	- NSS (21.4 kHz.)	- Annapolis MD
- initialization direction north
- earth's total magnetic field measured in gammas (nanoteslas)
- magnetic variations controlled by automatic magnetic base station recording every 30 seconds
- instrument accuracy +/- 0.1 gamma
- station repeatability better than +/- 3 gammas in low gradients

4.1.3 Equipment Specifications - see Appendix II

4.1.4 Calculations

4.1.4.1 Total Field Magnetic Survey

Total field magnetic readings were individually corrected for variations in the earth's magnetic field using magnetic base station values. The formula used for magnetic corrections was; $CTFR = TFR + (DBL - BSR)$ (gammas) where:

CTFR = Corrected Total Field Reading

TFR = Total Field Reading

DBL = Datum Base Level

BSR = Base Station Reading

4.1.4.2 VLF-EM Survey - (East Grid only)

Constants of 20% and 40% were subtracted from Seattle VLF In-phase data and Annapolis In-phase data respectively, on lines 100E, 300E and 700E to compensate for a level shift due to the use of two different instruments with a calibration difference or differing initialization directions during survey of these lines. The data were consistent and acceptable after corrections were carried out.

4.1.5 Presentation

4.1.5.1 East Grid

Seattle VLF-EM in-phase, out-of-phase and field strength readings from the East Grid are presented in profile form on Figure #5-1 at a scale of 1:5000. Annapolis VLF-EM in-phase, out-of-phase and field strength readings from the East Grid are presented in profile form on Figure #5-2 at a scale of 1:5000. Total field magnetic data from the East Grid are presented in profile form on Figure #5-3 at a scale of 1:5000.

4.1.5.2 West Grid

Hawaii VLF-EM in-phase, out-of-phase and field strength readings from the West Grid are presented in profile form on Figure #5-4 at a scale of 1:5000. Annapolis VLF-EM in-phase, out-of-phase and field strength readings from the West Grid are presented in profile form on Figure #5-5 at a scale of 1:5000. Total field magnetic data from the West Grid are presented in profile form on Figure #5.6 at a scale of 1:5000.

4.2 VLF-EM SURVEY RESULTS

4.2.1 East Grid

VLF-EM coverage on the East Grid showed a number of weak to moderate strength conductive trends. All conductors show low conductivity with poor character making line to line correlation difficult. The conductive trends that have been postulated change from northeast to southeast at about line 300E. Three sub parallel sets of conductors suggest that conductivity may be related to conductive portions of bedding. The curved trends may reflect folding. No magnetic associations with conductivity are evident in this area.

4.2.2 West Grid

VLF-EM results from the West Grid indicate two weak conductive features plus two weak single line anomalies. The conductors appears to strike northwest although continuation across the 200 meter gap between lines should be considered only speculative based on profile character. Conductivity is low and profile character suggests conductive surface material as the cause of conductivity. No magnetic associations with conductivity are apparent from the present data.

4.3 MAGNOMETER RESULTS

4.3.1 East Grid

The survey over the East Grid yielded no significant magnetic anomalies. A few small single station peaks can be found throughout the grid however no continuation from line to line can be accurately predicted because the character of the small, mostly single station, magnetic features is not unique or diagnostic.

4.3.2 West Grid

Magnetic results on the West Grid show no significant magnetic anomalies of any kind. Profiles indicate a homogeneous magnetic environment.

5.0 REFERENCES

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6.0 COST STATEMENT

SALARIES

2 Line Surveyor/Samplers X 2 Mandays X \$200/day	800.00
2 Geophysical Technicians X 2 Mandays X \$250/day	1,000.00
Perry Grunenberg, P. Geo. X 1 Manday X \$350/day	350.00

TRAVEL COSTS

Vehicle Rentals (apportioned) & Airline Tickets (apportioned)	2,000.00
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CAMP COSTS

Camp Rental: 2 days X \$250/day	500.00
Food & Supplies: 2 days X \$150/day	300.00

HELICOPTER COST

VIH Helicopter 4 hrs. X \$720/hr.	2,880.00
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GEOPHYSICAL EQUIPMENT RENTAL

Computer & Radios: 2 days X \$800/day	1,600.00
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ASSAY COSTS

16 Samples X \$30/sample	<u>480.00</u>
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SUB TOTAL \$9,910.00

CONTINGENCIES

At 10%	<u>991.00</u>
(Shipping Costs, Communications, Fuels, Office Supplies, etc.)	

GRAND TOTAL \$10,901.00

7.0 STATEMENT OF QUALIFICATIONS

PERRY GRUNENBERG, B.Sc., F.G.A.C., P. Geo.

ACADEMIC

1982	B. Sc. in Geology	The University of British Columbia
1987	Fellowship	Geological Association of Canada
1992	Membership	Association of Professional Engineers and Geoscientist of British Columbia

PROFESSIONAL

1989 TO PRESENT	P AND L GEOLOGICAL SERVICES, SMITHERS, BC
	Contract geologist working on mining and mining exploration throughout BC and the Northwest Territories
1984 to 1989	HUGHES-LANG EXPLORATIONS, VANCOUVER, BC
	Project geologist employed to work on geological, geophysical, and geochemical surveys with follow-up drilling and trenching, in areas throughout BC and the Yukon.
1983	STRATO GEOLOGICAL ENGINEERING LTD. VANCOUVER, BC
	Project geologist contracted to work in all aspects of mining exploration on properties in Nevada and Washington, USA, and in British Columbia.
1982	P AND L EXPLORATION, VANCOUVER, BC
	Contract geologist involved in evaluating placer gold prospects near Quesnel and Princeton, BC
1978 to 1981	RIO ALCOM, KENNECOTT CANADA, AND MARK MANAGEMENT LTD.
	Summer student involved in exploration projects in British Columbia.




CERTIFICATE

I, Edwin Ross Rockel, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1966.
2. I am a Consulting Geophysicist contracted to Canamera Geological Ltd. located in the City of Vancouver, in the Province of British Columbia.
3. I currently reside at 13000 54A Ave, in the City of Surrey, in the Province of British Columbia.
4. I have been practising my profession since graduation.
5. I am a Professional Geophysicist registered in the Province of Alberta.
6. I am a Certified Professional Geological Scientist registered in the United States of America.
7. I am a Professional Geoscientist registered in the Province of British Columbia.

Date: *Dec. 9/95* Signed:

Surrey,
British Columbia


Edwin Ross Rockel
B.Sc., P.Geoph., P.G.S., P.Geo.



APPENDIX I

CHEMEX LABS LTD. ASSAY CERTIFICATES



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: CANAMERA GEOLOGICAL LTD.

220 CAMBIE ST., SUITE 290
 VANCOUVER, BC
 V6B 2M9

Project: AFTOM
 Comments: CC: JOHN DUPUIS

Page number : 1-A
 Total : 1
 Certificate Date: 21-SEP-93
 Invoice No. : I9321242
 P.O. Number :
 Account : KBO

CERTIFICATE OF ANALYSIS

A9321242

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L23+00E 05+00N	201 229	< 5	0.2	2.91	6	140	< 0.5	< 2	0.19	< 0.5	11	69	40	5.31	< 10	< 1	0.04	< 10	0.76	500
L23+00E 06+50N	201 229	< 5	0.2	1.43	4	80	< 0.5	< 2	0.04	< 0.5	2	27	11	1.61	10	< 1	0.04	10	0.13	55
L23+00E 08+00N	201 229	< 5	0.2	2.64	< 2	180	< 0.5	< 2	0.33	< 0.5	12	59	21	2.31	10	< 1	0.04	10	0.89	325
L23+00E 09+50N	201 229	< 5	< 0.2	2.15	10	120	< 0.5	< 2	0.01	< 0.5	8	54	29	3.98	< 10	< 1	0.04	< 10	0.45	470
L23+00E 11+00N	201 229	< 5	0.4	1.94	8	60	< 0.5	4	0.03	< 0.5	4	38	16	4.99	10	< 1	0.03	< 10	0.30	115
L23+00E 12+50N	201 229	< 5	1.2	2.39	12	60	< 0.5	< 2	0.10	< 0.5	3	52	24	8.12	20	< 1	0.02	< 10	0.13	135
L23+00E 14+00N	201 229	< 5	0.2	2.33	8	140	< 0.5	< 2	0.12	< 0.5	6	57	20	5.30	10	< 1	0.06	10	0.41	520
L23+00E 15+50N	201 229	< 5	0.8	1.58	12	90	< 0.5	< 2	0.01	< 0.5	1	33	17	3.22	10	< 1	0.08	10	0.15	90
L25+00E 05+00N	201 229	< 5	0.6	2.26	16	40	< 0.5	< 2	0.04	< 0.5	2	34	24	8.99	40	< 1	0.04	10	0.13	235
L25+00E 06+50N	201 229	< 5	< 0.2	2.22	8	60	< 0.5	< 2	0.06	< 0.5	8	54	25	3.77	< 10	< 1	0.03	< 10	0.68	350
L25+00E 08+00N	201 229	< 5	0.6	0.94	< 2	270	< 0.5	< 2	0.72	< 0.5	1	16	17	1.33	10	< 1	0.04	10	0.08	215
L25+00E 09+50N	201 229	< 5	0.2	2.41	16	30	< 0.5	< 2	0.03	< 0.5	3	65	26	10.70	60	< 1	0.03	10	0.36	290
L25+00E 11+00N	201 229	< 5	0.2	1.82	4	80	< 0.5	< 2	0.02	< 0.5	3	47	13	4.25	10	< 1	0.05	< 10	0.36	160
L25+00E 12+50N	201 229	< 5	0.6	2.77	12	70	< 0.5	< 2	0.04	< 0.5	3	48	20	7.77	30	< 1	0.03	10	0.23	670
L25+00E 14+00N	201 229	< 5	< 0.2	1.37	6	80	< 0.5	< 2	0.15	< 0.5	4	31	16	2.83	10	< 1	0.03	10	0.14	315
L25+00E 15+50N	201 229	< 5	0.2	1.77	8	90	< 0.5	< 2	0.03	< 0.5	3	37	17	4.03	10	< 1	0.06	10	0.16	205

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: CANAMERA GEOLOGICAL LTD.

220 CAMBIE ST., SUITE 290
 VANCOUVER, BC
 V6B 2M9

Project: AFTOM
 Comments: CC: JOHN DUPUIS

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 21-SEP-93
 Invoice No.: I9321242
 P.O. Number:
 Account: KBO

CERTIFICATE OF ANALYSIS

A9321242

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
L23+00E 05+00N	201	229	1 < 0.01		57	1010	18	< 2	2	32	0.01	< 10	< 10	41	< 10	102
L23+00E 06+50N	201	229	2 < 0.01		9	490	14	< 2	< 1	10	0.03	< 10	< 10	38	< 10	26
L23+00E 08+00N	201	229	2 < 0.01		56	810	22	< 2	2	112	0.03	< 10	< 10	35	< 10	98
L23+00E 09+50N	201	229	1 < 0.01		31	960	22	< 2	2	6	0.01	< 10	< 10	56	< 10	74
L23+00E 11+00N	201	229	2 < 0.01		21	550	22	< 2	2	11	0.08	< 10	< 10	76	< 10	36
L23+00E 12+50N	201	229	6 < 0.01		15	810	32	< 2	2	10	0.08	< 10	< 10	47	< 10	44
L23+00E 14+00N	201	229	2 < 0.01		23	730	18	< 2	2	22	0.06	< 10	< 10	77	< 10	60
L23+00E 15+50N	201	229	1 < 0.01		8	770	12	2	< 1	6	0.02	< 10	< 10	46	< 10	30
L25+00E 05+00N	201	229	9 < 0.01		10	560	38	< 2	3	7	0.25	< 10	< 10	95	< 10	60
L25+00E 06+50N	201	229	2 < 0.01		49	800	16	< 2	1	12	0.02	< 10	< 10	40	< 10	78
L25+00E 08+00N	201	229	2 < 0.01		9	650	16	< 2	< 1	174	0.07	< 10	< 10	25	< 10	38
L25+00E 09+50N	201	229	9 < 0.01		26	660	46	< 2	3	6	0.16	< 10	< 10	76	< 10	52
L25+00E 11+00N	201	229	4 < 0.01		23	660	26	< 2	2	9	0.09	< 10	< 10	62	< 10	46
L25+00E 12+50N	201	229	6 < 0.01		15	810	36	< 2	2	18	0.13	< 10	< 10	54	< 10	44
L25+00E 14+00N	201	229	3 < 0.01		11	420	18	2	1	24	0.10	< 10	< 10	90	< 10	52
L25+00E 15+50N	201	229	3 < 0.01		13	690	20	< 2	1	11	0.07	< 10	< 10	48	< 10	42

CERTIFICATION: Hart Bichler

APPENDIX II

EQUIPMENT SPECIFICATIONS

OMNI PLUS VLF/Magnetometer System



Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from -40°C to $+55^{\circ}\text{C}$. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	-40°C to $+55^{\circ}\text{C}$; 0 - 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

EDA Instruments Inc.,
4 Thorncliffe Park Drive,
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR,
Cables: Instruments Toronto
(416) 425-7800

In USA,
EDA Instruments Inc.,
5151 Ward Road,
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422-8112

Printed in Canada

OMNIV 'Tie-Line' Magnetometer



Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	± 15% relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to +55°C; 0-100% relative humidity; weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor	
(0.5m separation - standard)	2.1 kg, 56mm diameter x 790mm
(1.0m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

EDA Instruments Inc.
4 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR
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5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

Printed in Canada

APPENDIX III

DATA LISTING

EAST GRID

CANAMERA GEOLOGICAL LTD. Data Listing

Area: ESKAY CREEK, B.C. Current File Name: CALDATAE.GPH
 Grid: CALVIN (East Grid) From File Name: CEZZ.XYZ
 Date: December, 1993

INSTRUMENT TYPE: EDA Omni Plus VLF-EM/Magnetometer System

(Line & Station + = Northings and Eastings,
 - = Southings and Westings)

DATA TYPE(S):

DATA DETAILS:

- #2. Total Field Magnetic Values Corrected total magnetic field
- #3. VLF-EM In-Phase Values Seattle Transmitter - facing north
- #4. VLF-EM Quadrature Seattle Transmitter - facing north
- #5. VLF-EM Field Strength Seattle total field strength
- #6. VLF-EM In-Phase Values Annapolis Transmitter - facing north
- #7. VLF-EM Quadrature Annapolis Transmitter - facing north
- #8. VLF-EM Field Strength Annapolis total field strength

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
line 100									
100	900	900	57084	6.0	1.1	38.1	10.8	8.3	7.5
100	912.5	912.5	57086	1.7	-0.3	39.0	4.1	3.8	7.6
100	925	925	57084	3.3	0.6	38.4	1.6	1.4	7.3
100	937.5	937.5	57084	0.7	0.8	38.3	2.1	5.0	7.2
100	950	950	57082	-4.7	-2.4	38.4	-0.3	2.0	7.2
100	962.5	962.5	57077	-4.0	-2.9	38.1	-0.9	2.7	7.0
100	975	975	57081	5.2	-0.8	38.8	2.2	6.2	7.2
100	987.5	987.5	57081	3.2	0.5	39.4	1.1	3.3	7.2

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
100	1000	1000	57079	2.1	1.5	39.2	1.8	7.5	7.1
100	1012.5	1012.5	57077	2.6	1.6	39.4	3.0	7.0	7.1
100	1025	1025	57078	8.5	3.2	39.2	4.6	7.4	7.1
100	1037.5	1037.5	57080	5.7	3.6	39.6	4.8	6.8	7.1
100	1050	1050	57084	4.0	1.4	40.0	3.8	6.7	7.2
100	1062.5	1062.5	57082	1.7	1.2	40.4	4.7	6.8	7.3
100	1075	1075	57082	1.7	-0.7	40.6	5.6	4.2	7.2
100	1087.5	1087.5	57083	0.0	-2.3	40.3	5.5	1.0	7.2
100	1100	1100	57083	-2.0	-3.0	40.1	5.8	2.7	7.3
100	1112.5	1112.5	57083	1.4	-1.9	40.2	5.3	1.8	7.3
100	1125	1125	57085	1.7	-2.0	39.8	6.2	1.2	7.4
100	1137.5	1137.5	57083	2.5	-1.2	39.5	4.3	1.6	7.4
100	1150	1150	57082	4.7	-0.3	40.0	2.4	-1.5	7.5
100	1162.5	1162.5	57083	5.7	0.0	41.0	3.1	-3.3	7.4
100	1175	1175	57084	3.7	-0.9	42.1	1.6	-3.9	7.6
100	1187.5	1187.5	57084	3.0	-3.0	42.5	1.7	-6.3	7.6
100	1200	1200	57085	-0.8	-6.2	43.3	1.5	-9.1	7.5
100	1212.5	1212.5	57081	1.2	-7.6	42.3	1.4	-10.3	7.5
100	1225	1225	57081	-2.9	-8.2	42.5	2.6	-9.4	7.4
100	1237.5	1237.5	57083	0.4	-8.0	43.5	5.2	-9.2	7.5
100	1250	1250	57087	-0.1	-7.8	42.1	3.5	-3.7	7.6
100	1262.5	1262.5	57083	-0.2	-6.0	41.8	5.4	0.0	7.6
100	1275	1275	57088	2.8	-3.4	42.0	7.8	5.1	7.6
100	1287.5	1287.5	57087	4.6	-2.0	43.0	7.6	6.0	7.7
100	1300	1300	57086	6.8	-2.0	43.7	7.4	4.4	8.0
100	1312.5	1312.5	57089	1.4	-4.4	45.0	4.1	0.7	8.4
100	1325	1325	57087	-2.3	-6.4	43.1	0.3	-0.7	8.2
100	1337.5	1337.5	57082	-1.4	-6.1	42.6	-0.6	-0.5	8.1
100	1350	1350	57083	0.0	-5.4	41.9	0.4	0.9	8.1
100	1362.5	1362.5	57085	1.1	-3.9	42.1	0.1	2.1	8.1

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
100	1375	1375	57090	3.3	-2.5	42.3	-0.2	1.5	8.2
100	1387.5	1387.5	57082	4.5	-1.0	43.0	-1.6	1.8	8.4
100	1400	1400	57078	6.7	-0.4	44.3	-4.9	0.0	8.6
100	1412.5	1412.5	57080	4.5	3.3	44.8	-4.6	2.8	8.2
100	1425	1425	57083	2.0	5.5	46.5	-5.1	5.1	8.4
100	1437.5	1437.5	57084	0.7	7.7	49.0	-8.2	5.9	8.7
100	1450	1450	57085	-5.6	6.9	51.1	-15.8	3.2	8.9
100	1462.5	1462.5	57083	-14.3	3.0	51.2	-22.4	-2.1	8.7
100	1475	1475	57083	-25.1	-0.4	47.5	-28.6	-6.8	8.3
100	1487.5	1487.5	57086	-22.9	-2.2	44.9	-27.3	-7.7	7.7
100	1500	1500	57084	-21.6	-3.9	43.3	-27.4	-10.2	7.5
100	1512.5	1512.5	57086	-17.8	-4.3	41.9	-25.6	-8.5	7.2
100	1525	1525	57082	-19.7	-4.5	42.0	-24.2	-10.6	7.0
100	1537.5	1537.5	57081	-15.1	-5.2	41.7	-23.4	-9.8	7.0
100	1550	1550	57081	-13.9	-6.4	41.3	-25.6	-11.9	6.9
100	1562.5	1562.5	57080	-14.2	-6.7	41.3	-27.5	-10.9	6.9
100	1575	1575	57078	-16.5	-9.0	40.5	-28.5	-15.1	6.5
100	1587.5	1587.5	57082	-18.5	-8.7	39.5	-25.4	-14.1	6.2
100	1600	1600	57082	-16.3	-7.0	38.9	-21.5	-10.0	6.1
100	1612.5	1612.5	57079	-16.0	-7.2	38.9	-18.8	-7.2	6.0
100	1625	1625	57076	-12.2	-7.7	38.4	-17.6	-5.0	5.6
100	1637.5	1637.5	57075	-21.9	-8.7	35.8	-16.8	-3.0	5.1
100	1650	1650	57089	-1.6	0.6	40.7	-8.0	6.5	5.6
100	1662.5	1662.5	57090	-1.6	-0.7	42.2	0.0	10.4	5.8
100	1675	1675	57079	-3.4	1.1	43.7	1.0	13.4	6.1
100	1687.5	1687.5	57087	1.2	1.3	46.5	4.2	10.4	6.7
100	1700	1700	57082	-3.0	-1.1	48.6	2.2	5.8	7.0
100	1712.5	1712.5	57085	-8.4	-1.4	48.0	-1.0	3.9	7.1
100	1725	1725	57081	-9.3	0.6	46.4	-1.6	6.7	7.1
100	1737.5	1737.5	57085	-12.1	0.7	45.7	-3.3	6.0	7.1

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
100	1750	1750	57086	-12.6	1.3	43.9	-3.9	5.0	7.1
100	1762.5	1762.5	57087	-13.4	2.0	42.6	-6.4	4.3	7.0
100	1775	1775	57089	-6.4	8.6	41.8	-3.8	8.2	7.0
100	1787.5	1787.5	57087	-3.8	8.7	43.0	-4.2	5.2	7.2
100	1800	1800	57087	-4.8	5.2	42.5	-5.1	2.8	7.1
100	1812.5	1812.5	57087	-6.5	5.1	42.4	-4.7	2.5	7.1
100	1825	1825	57088	-8.2	4.3	42.5	-5.6	2.5	7.2
100	1837.5	1837.5	57087	-10.3	2.8	41.9	-6.6	-0.9	7.1
100	1850	1850	57084	-9.3	3.0	41.9	-6.2	-1.7	7.2
100	1862.5	1862.5	57085	-11.6	6.2	42.6	-6.0	-0.3	7.2
100	1875	1875	57083	-11.4	5.9	42.7	-6.0	-0.4	7.2
100	1887.5	1887.5	57080	-9.1	5.4	42.4	-7.3	-1.7	7.3
100	1900	1900	57083	-10.2	2.9	43.2	-10.1	-4.6	7.3
line 200									
200	900	900	57082	-1.7	-1.3	38.0	5.6	4.6	7.4
200	912.5	912.5	57084	-3.0	-1.4	38.4	4.2	3.2	7.5
200	925	925	57080	-3.2	-1.9	37.3	2.2	1.5	7.2
200	937.5	937.5	57082	-0.7	-1.2	37.5	3.6	4.9	7.0
200	950	950	57082	-0.3	-0.5	37.7	7.7	6.5	7.0
200	962.5	962.5	57083	4.6	0.4	37.8	9.9	8.0	7.2
200	975	975	57086	6.9	1.2	38.7	11.5	10.6	7.5
200	987.5	987.5	57086	6.0	2.4	39.8	9.2	6.7	7.6
200	1000	1000	57087	5.1	0.6	41.0	8.1	3.9	7.8
200	1012.5	1012.5	57082	0.7	-3.2	40.7	5.4	-0.6	7.8
200	1025	1025	57084	0.0	-3.0	40.7	5.2	-1.4	7.8
200	1037.5	1037.5	57084	0.6	-3.1	40.9	6.4	2.2	7.8
200	1050	1050	57085	-3.0	-4.6	40.7	6.7	-0.5	7.8
200	1062.5	1062.5	57082	-4.0	-5.8	40.8	7.5	-1.9	7.8
200	1075	1075	57081	5.3	-5.2	40.9	10.7	2.6	8.3
200	1087.5	1087.5	57080	3.7	-4.2	41.3	10.0	2.5	8.3

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
200	1100	1100	57087	-1.2	-1.4	42.1	7.4	0.2	8.6
200	1112.5	1112.5	57086	5.5	-1.3	43.0	8.3	2.9	8.7
200	1125	1125	57080	0.5	-0.2	44.1	6.8	0.7	8.8
200	1137.5	1137.5	57083	-1.4	0.0	44.7	6.1	0.7	8.8
200	1150	1150	57083	-5.1	-1.6	45.4	3.6	-3.6	9.0
200	1162.5	1162.5	57088	-8.5	-5.5	46.2	1.2	-6.4	9.0
200	1175	1175	57087	-11.6	-9.8	46.3	-0.9	-10.3	9.1
200	1187.5	1187.5	57086	-14.3	-13.0	45.9	-1.3	-13.9	9.0
200	1200	1200	57079	-14.4	-14.5	45.0	-1.0	-14.2	8.8
200	1212.5	1212.5	57082	-13.9	-14.0	44.9	0.1	-14.8	8.8
200	1225	1225	57091	-12.2	-13.5	46.2	0.1	-12.2	8.8
200	1237.5	1237.5	57081	-16.6	-14.4	45.4	-1.1	-11.5	8.6
200	1250	1250	57077	-15.8	-11.2	42.5	1.2	-7.1	8.2
200	1262.5	1262.5	57079	-8.2	-5.1	41.7	4.2	0.1	8.4
200	1275	1275	57081	2.6	1.5	42.3	7.0	7.5	8.4
200	1287.5	1287.5	57079	-1.7	1.3	44.4	8.8	8.0	8.9
200	1300	1300	57080	1.2	3.4	46.7	7.6	11.0	9.1
200	1312.5	1312.5	57083	-8.2	6.0	48.7	5.6	8.9	9.3
200	1325	1325	57082	0.1	8.0	50.0	3.6	15.0	9.6
200	1337.5	1337.5	57084	-8.8	7.9	50.1	1.5	11.6	9.6
200	1350	1350	57087	-9.9	6.0	49.6	-1.0	8.4	9.7
200	1362.5	1362.5	57086	-11.3	3.0	48.8	-2.4	6.6	9.7
200	1375	1375	57085	-16.5	3.1	48.8	-5.1	4.4	9.8
200	1387.5	1387.5	57085	-17.6	1.7	47.5	-7.9	2.5	9.6
200	1400	1400	57084	-19.2	-0.9	44.7	-9.0	2.2	9.3
200	1412.5	1412.5	57086	-14.5	-1.1	44.5	-9.6	2.8	9.3
200	1425	1425	57089	-16.9	-1.5	43.5	-10.5	-0.1	9.1
200	1437.5	1437.5	57091	-14.5	-1.7	43.3	-12.3	0.0	9.1
200	1450	1450	57088	-15.9	-1.7	42.9	-14.3	-1.8	8.9
200	1462.5	1462.5	57088	-13.1	-1.6	42.5	-14.1	-1.3	8.8

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
200	1475	1475	57085	-12.2	-1.3	43.4	-14.0	-1.1	8.7
200	1487.5	1487.5	57084	-14.7	-4.9	44.2	-15.8	-4.2	8.7
200	1500	1500	57085	-12.4	-7.7	42.3	-16.5	-5.9	8.4
200	1512.5	1512.5	57085	-11.6	-3.8	42.5	-16.5	-5.2	8.2
200	1525	1525	57085	-12.6	-2.9	43.1	-16.3	-5.1	8.1
200	1537.5	1537.5	57083	-10.8	-4.3	46.5	-17.7	-6.7	8.2
200	1550	1550	57092	-15.6	-3.8	49.0	-17.9	-7.3	8.1
200	1562.5	1562.5	57087	-15.1	-5.0	48.6	-17.4	-10.3	8.0
200	1575	1575	57085	-26.6	-10.8	48.0	-20.3	-13.1	7.8
200	1587.5	1587.5	57082	-26.9	-13.3	45.3	-19.1	-16.4	7.5
200	1600	1600	57083	-24.3	-10.6	41.9	-18.6	-14.4	7.3
200	1612.5	1612.5	57082	-20.8	-6.8	40.8	-16.3	-11.9	7.0
200	1625	1625	57084	-21.4	-7.0	41.4	-14.2	-12.3	6.9
200	1637.5	1637.5	57094	-16.8	-6.6	40.4	-9.3	-8.4	6.6
200	1650	1650	57080	-12.9	-4.6	40.3	-3.0	-2.6	6.5
200	1662.5	1662.5	57077	-14.6	-1.6	40.3	-3.4	1.5	6.8
200	1675	1675	57078	-9.9	3.4	40.5	-3.6	5.8	6.7
200	1687.5	1687.5	57078	-10.8	5.8	41.4	-1.1	6.4	6.8
200	1700	1700	57081	3.6	7.2	43.4	0.4	15.0	7.1
200	1712.5	1712.5	57086	2.1	6.0	44.9	3.0	14.4	7.3
200	1725	1725	57084	-2.8	7.0	46.7	5.1	13.0	7.6
200	1737.5	1737.5	57082	3.4	7.0	46.9	5.6	13.9	7.8
200	1750	1750	57086	0.2	7.0	46.0	5.9	13.5	7.7
200	1762.5	1762.5	57085	5.3	7.5	46.0	9.4	18.2	7.8
200	1775	1775	57084	-1.0	8.9	46.1	7.4	12.7	7.9
200	1787.5	1787.5	57086	0.8	9.7	46.8	8.6	13.0	8.1
200	1800	1800	57089	-13.2	2.5	49.4	-2.0	-0.6	8.7
200	1812.5	1812.5	57086	-23.3	-5.5	47.3	-7.2	-6.7	8.4
200	1825	1825	57088	-21.7	-6.6	46.2	-6.8	-6.6	8.2
200	1837.5	1837.5	57088	-24.9	-5.9	44.9	-8.3	-7.3	8.3

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
200	1850	1850	57086	-26.2	-7.6	44.1	-7.9	-8.3	8.0
200	1862.5	1862.5	57085	-26.9	-7.9	42.7	-7.7	-6.4	7.9
200	1875	1875	57084	-23.3	-6.7	41.7	-5.2	-4.7	8.0
200	1887.5	1887.5	57084	-22.6	-4.6	41.2	-6.6	-4.2	8.0
200	1900	1900	57085	-24.7	-3.3	40.9	-6.7	-5.8	8.1
line 300									
300	900	900	57084	4.4	-2.1	41.9	1.3	-1.3	8.2
300	912.5	912.5	57081	5.7	-1.8	42.4	2.7	-1.5	8.3
300	925	925	57080	-0.2	-3.1	44.4	-0.3	-2.3	8.5
300	937.5	937.5	57081	-2.4	-4.5	45.7	-3.6	-3.7	8.5
300	950	950	57083	-5.7	-5.2	45.1	-5.0	-5.2	8.3
300	962.5	962.5	57088	-8.1	-5.2	44.2	-4.1	-3.9	8.1
300	975	975	57081	-7.0	-4.5	43.8	-1.0	-2.3	8.1
300	987.5	987.5	57084	-5.8	-4.9	43.8	0.2	-3.0	8.1
300	1000	1000	57082	-13.6	-8.7	45.2	-2.6	-9.0	8.1
300	1012.5	1012.5	57081	-10.2	-9.9	43.2	2.4	-10.0	7.9
300	1025	1025	57086	-10.9	-10.0	42.5	5.6	-8.8	7.7
300	1037.5	1037.5	57080	-11.2	-9.4	42.4	8.0	-8.0	7.7
300	1050	1050	57081	-11.1	-8.7	42.2	12.5	-3.9	8.0
300	1062.5	1062.5	57081	-9.0	-7.2	41.7	11.7	-4.3	8.2
300	1075	1075	57082	-9.2	-5.8	42.0	10.9	-0.9	8.1
300	1087.5	1087.5	57084	-5.0	-4.4	41.6	12.2	0.6	8.1
300	1100	1100	57084	-1.3	-1.0	41.7	14.0	4.7	8.4
300	1112.5	1112.5	57086	1.1	1.2	42.9	14.9	6.7	8.5
300	1125	1125	57085	3.3	1.4	43.9	14.0	5.1	8.9
300	1137.5	1137.5	57087	0.8	1.2	44.5	11.3	3.3	9.0
300	1150	1150	57088	-2.9	-2.4	45.2	7.8	-0.8	9.2
300	1162.5	1162.5	57080	-3.3	-3.4	46.2	4.7	-3.9	9.5
300	1175	1175	57083	-1.4	-5.3	45.1	1.4	-5.6	9.3
300	1187.5	1187.5	57082	-3.0	-6.3	45.2	5.0	-4.1	9.2

Eastng	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
300	1200	1200	57077	-2.8	-4.7	45.2	2.6	-2.5	9.6
300	1212.5	1212.5	57078	-3.1	-2.9	46.2	0.6	-2.6	9.6
300	1225	1225	57079	-12.9	-1.7	44.0	-9.6	0.8	9.3
300	1237.5	1237.5	57096	-3.8	0.4	43.7	-6.2	1.4	8.9
300	1250	1250	57088	-4.7	0.7	43.8	-5.2	1.9	9.0
300	1262.5	1262.5	57087	-8.8	-0.9	43.3	-7.5	1.0	9.0
300	1275	1275	57093	-9.0	-1.5	42.6	-6.2	1.1	8.8
300	1287.5	1287.5	57090	-8.1	-2.2	41.4	-4.1	1.5	8.6
300	1300	1300	57086	-1.1	-0.6	40.8	-0.6	3.2	8.6
300	1312.5	1312.5	57087	1.9	1.6	40.9	1.8	5.5	8.7
300	1325	1325	57087	3.2	1.6	41.5	0.7	4.4	8.8
300	1337.5	1337.5	57086	2.5	2.0	42.0	1.6	5.6	8.9
300	1350	1350	57083	5.3	3.6	43.2	0.6	5.3	9.2
300	1362.5	1362.5	57082	10.5	5.2	45.0	3.6	6.8	9.6
300	1375	1375	57079	6.3	3.8	45.7	1.9	7.0	9.6
300	1387.5	1387.5	57077	7.8	4.4	45.7	2.3	9.1	9.7
300	1400	1400	57082	1.7	3.7	52.3	-6.5	4.9	10.7
300	1412.5	1412.5	57082	-10.9	-1.9	49.4	-17.5	-2.7	10.0
300	1425	1425	57086	-11.9	-1.8	48.0	-18.3	-2.7	9.6
300	1437.5	1437.5	57082	-11.5	-2.2	47.1	-19.0	-4.0	9.5
300	1450	1450	57086	-14.5	-2.7	46.1	-19.0	-3.2	9.3
300	1462.5	1462.5	57085	-14.2	-3.4	45.5	-17.5	-3.4	9.1
300	1475	1475	57081	-16.8	-3.7	44.6	-18.5	-3.3	9.1
300	1487.5	1487.5	57082	-17.5	-4.5	43.8	-18.0	-4.6	8.8
300	1500	1500	57082	-16.4	-4.2	42.0	-18.8	-4.1	8.6
300	1512.5	1512.5	57081	-15.5	-1.7	41.6	-16.7	-2.6	8.4
300	1525	1525	57087	-16.2	-0.7	41.6	-17.0	-2.0	8.2
300	1537.5	1537.5	57085	-14.4	-0.7	41.1	-14.7	-2.1	8.0
300	1550	1550	57083	-10.5	0.8	41.0	-10.9	0.3	7.9
300	1562.5	1562.5	57084	-9.9	0.8	42.2	-10.1	-0.8	7.9

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
300	1575	1575	57085	-10.5	0.9	43.9	-10.9	-0.9	8.0
300	1587.5	1587.5	57087	-12.1	-0.4	48.0	-13.6	-4.2	8.5
300	1600	1600	57083	-18.5	-7.1	46.8	-23.3	-12.9	8.3
300	1612.5	1612.5	57081	-21.3	-8.0	46.7	-23.9	-12.8	8.1
300	1625	1625	57082	-23.0	-9.2	46.0	-26.1	-13.5	7.9
300	1637.5	1637.5	57079	-23.4	-9.3	43.9	-24.6	-12.9	7.5
300	1650	1650	57075	-19.9	-6.3	40.3	-27.1	-9.1	6.9
300	1662.5	1662.5	57117	-20.4	-2.7	39.8	-19.3	-6.0	6.5
300	1675	1675	57086	-15.5	0.6	41.3	-12.7	2.2	6.8
300	1687.5	1687.5	57084	-15.0	1.7	41.7	-13.5	5.4	7.0
300	1700	1700	57083	-7.4	2.6	43.0	-11.5	4.9	7.1
300	1712.5	1712.5	57081	-8.3	3.3	43.4	-9.7	5.9	7.0
300	1725	1725	57085	-10.9	2.8	44.0	-7.0	6.9	7.2
300	1737.5	1737.5	57088	-10.7	2.1	44.6	-6.4	6.0	7.4
300	1750	1750	57089	-11.8	1.1	45.6	-5.4	3.4	7.5
300	1762.5	1762.5	57088	-13.9	0.7	45.4	-6.7	2.6	7.6
300	1775	1775	57082	-17.9	-0.7	44.9	-5.7	1.3	7.5
300	1787.5	1787.5	57085	-17.1	-1.1	43.9	-5.1	0.1	7.4
300	1800	1800	57077	-16.3	-1.3	43.6	-5.0	-0.1	7.5
300	1812.5	1812.5	57084	-19.7	-2.3	42.9	-3.9	-2.3	7.5
300	1825	1825	57086	-20.3	-1.8	42.2	-4.6	-1.2	7.4
300	1837.5	1837.5	57086	-19.7	-1.9	41.9	-3.5	-2.1	7.5
300	1850	1850	57085	-21.6	-2.3	41.4	-2.8	-3.0	7.2
300	1862.5	1862.5	57086	-29.8	-1.9	41.5	-4.4	-2.2	7.4
300	1875	1875	57085	-24.4	-2.5	40.4	-3.4	-2.8	7.5
300	1887.5	1887.5	57084	-29.9	-3.5	40.0	-3.6	-5.6	7.4
300	1900	1900	57085	-25.8	-3.6	37.5	0.2	-3.7	7.2
line 400									
400	900	900	57083	-13.6	-2.3	42.6	-4.2	-5.8	8.3
400	912.5	912.5	57084	-13.6	-3.7	41.7	-2.6	-6.1	8.0

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
400	925	925	57082	-15.6	-5.3	41.7	-2.5	-7.9	8.1
400	937.5	937.5	57084	-15.7	-8.3	37.9	-1.8	-10.2	7.7
400	950	950	57081	-11.7	-8.7	37.2	1.7	-8.9	7.6
400	962.5	962.5	57081	-15.2	-6.9	35.2	3.5	-8.5	7.5
400	975	975	57076	-11.7	-3.9	34.5	6.5	-4.2	7.5
400	987.5	987.5	57081	-3.2	1.7	35.2	11.9	0.2	7.7
400	1000	1000	57078	0.0	6.2	38.1	13.8	4.7	8.3
400	1012.5	1012.5	57080	0.4	4.1	39.2	13.3	4.7	8.6
400	1025	1025	57083	-3.4	2.8	39.0	-0.3	-1.5	1.3
400	1037.5	1037.5	57085	0.4	5.4	38.9	8.0	3.6	8.9
400	1050	1050	57081	-0.4	5.8	39.6	7.4	5.4	8.8
400	1062.5	1062.5	57084	3.7	4.7	39.8	8.3	4.2	8.8
400	1075	1075	57081	-0.3	5.2	40.7	8.2	5.4	9.0
400	1087.5	1087.5	57083	5.5	4.0	42.3	9.4	5.6	9.2
400	1100	1100	57087	0.0	2.1	42.8	7.8	3.0	9.4
400	1112.5	1112.5	57087	-4.5	1.2	43.2	3.7	-0.1	9.4
400	1125	1125	57085	-1.7	1.0	42.3	3.6	-1.4	9.4
400	1137.5	1137.5	57085	-2.9	2.4	44.1	2.9	-1.3	9.5
400	1150	1150	57085	-6.2	0.2	45.2	1.4	-0.9	9.7
400	1162.5	1162.5	57087	-10.9	-1.7	45.6	-0.1	-4.4	9.6
400	1175	1175	57082	-9.0	-1.5	45.3	-0.4	-1.6	9.6
400	1187.5	1187.5	57083	-9.2	-1.1	45.9	-1.7	-1.6	9.8
400	1200	1200	57083	-7.9	-1.6	45.8	-1.0	-2.0	9.6
400	1212.5	1212.5	57087	-20.3	-2.8	47.9	-8.8	-4.8	10.1
400	1225	1225	57083	-26.9	-7.0	43.7	-17.7	-9.8	9.2
400	1237.5	1237.5	57093	-21.0	-3.1	41.1	-14.3	-3.4	8.7
400	1250	1250	57084	-19.6	-1.4	39.5	-13.2	-2.6	8.4
400	1262.5	1262.5	57085	-16.0	2.3	40.0	-9.5	2.3	8.3
400	1275	1275	57088	-6.8	4.2	40.6	-5.9	5.5	8.4
400	1287.5	1287.5	57088	-9.9	5.6	41.1	-6.7	4.1	9.0

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
400	1300	1300	57086	-5.5	6.9	43.0	-2.7	6.9	9.2
400	1312.5	1312.5	57084	-3.3	5.9	44.1	-1.5	7.4	9.2
400	1325	1325	57084	0.9	4.5	44.1	0.3	6.3	9.2
400	1337.5	1337.5	57086	-3.4	4.9	46.3	-0.8	5.4	9.6
400	1350	1350	57086	-4.4	4.4	47.6	-1.1	4.8	9.8
400	1362.5	1362.5	57084	-6.1	3.1	49.6	-3.1	3.2	10.1
400	1375	1375	57086	-9.9	2.4	48.5	-6.8	-0.1	10.3
400	1387.5	1387.5	57087	-11.6	3.0	46.6	-9.8	-0.9	10.1
400	1400	1400	57085	-12.2	3.6	46.9	-13.1	-0.8	10.0
400	1412.5	1412.5	57084	-13.5	4.2	47.0	-13.6	-1.9	9.9
400	1425	1425	57099	-14.9	3.4	45.8	-15.3	-4.3	9.6
400	1437.5	1437.5	57087	-13.9	2.4	46.0	-15.4	-2.7	9.6
400	1450	1450	57087	-17.0	2.4	45.0	-16.6	-3.1	9.3
400	1462.5	1462.5	57086	-16.7	1.2	44.9	-15.4	-2.9	9.2
400	1475	1475	57086	-20.1	0.9	45.0	-14.6	-2.3	9.3
400	1487.5	1487.5	57087	-21.5	-0.7	45.2	-15.3	-3.0	9.3
400	1500	1500	57086	-21.7	-0.4	44.4	-17.8	-2.7	9.3
400	1512.5	1512.5	57083	-23.9	-2.4	43.5	-22.3	-6.2	9.1
400	1525	1525	57087	-21.8	0.6	42.3	-22.3	-3.6	8.8
400	1537.5	1537.5	57089	-19.8	4.1	43.4	-20.8	0.3	8.8
400	1550	1550	57087	-21.0	2.9	44.1	-21.5	-1.8	9.0
400	1562.5	1562.5	57086	-21.4	-0.4	44.9	-24.1	-5.7	9.1
400	1575	1575	57088	-28.1	-3.5	44.1	-29.4	-9.6	8.8
400	1587.5	1587.5	57086	-27.3	-4.2	43.1	-31.1	-13.1	8.5
400	1600	1600	57085	-32.2	-7.5	42.2	-30.2	-14.3	8.3
400	1612.5	1612.5	57087	-31.6	-8.0	40.2	-28.3	-15.7	8.0
400	1625	1625	57087	-26.7	-7.5	39.3	-26.2	-15.1	7.7
400	1637.5	1637.5	57084	-29.9	-6.3	38.8	-25.5	-13.9	7.6
400	1650	1650	57083	-34.6	-6.3	38.2	-27.5	-11.8	7.3
400	1662.5	1662.5	57085	-27.3	-5.4	37.6	-26.7	-15.1	7.1

Eastings	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
400	1675	1675	57080	-28.4	-0.2	36.9	-26.1	-8.9	7.0
400	1687.5	1687.5	57083	-23.6	2.2	36.7	-23.5	-7.6	6.6
400	1700	1700	57082	-16.7	3.2	38.1	-14.9	3.1	6.8
400	1712.5	1712.5	57083	-11.4	5.5	38.5	-10.7	3.1	7.1
400	1725	1725	57087	-15.7	5.2	39.5	-6.0	3.2	7.7
400	1737.5	1737.5	57088	-14.7	2.8	38.2	-10.2	0.1	7.7
400	1750	1750	57084	-7.1	3.8	38.0	-8.5	-1.4	7.8
400	1762.5	1762.5	57079	-15.7	2.8	38.0	-13.2	-3.1	8.0
400	1775	1775	57080	-18.2	3.6	36.5	-11.8	-4.5	7.6
400	1787.5	1787.5	57082	-20.9	5.1	36.0	-13.2	-4.2	7.4
400	1800	1800	57081	-19.5	5.4	35.9	-11.5	-4.6	7.4
400	1812.5	1812.5	57081	-19.1	6.0	35.5	-8.8	-5.3	7.2
400	1825	1825	57081	-21.3	4.6	35.9	-6.7	-3.5	7.3
400	1837.5	1837.5	57082	-19.6	1.5	35.0	-5.4	-4.0	7.3
400	1850	1850	57084	-25.8	2.2	35.4	-4.2	-3.6	7.3
400	1862.5	1862.5	57087	-21.1	4.1	35.6	-0.4	-1.8	7.4
400	1875	1875	57085	-17.3	5.2	35.4	0.6	-0.4	7.5
400	1887.5	1887.5	57083	-18.4	3.5	35.9	-0.8	-2.2	7.7
400	1900	1900	57087	-16.9	1.1	35.4	0.7	-0.6	7.6
line 700									
700	900	900	57088	3.8	-14.2	35.9	11.7	-7.6	7.3
700	912.5	912.5	57083	9.2	-12.5	35.8	8.6	-6.5	7.5
700	925	925	57083	4.6	-13.2	35.6	8.1	-7.3	7.4
700	937.5	937.5	57083	10.5	-7.3	36.0	10.7	-2.4	7.2
700	950	950	57085	15.5	-5.0	35.8	12.5	0.9	7.2
700	962.5	962.5	57086	14.7	-3.2	36.2	15.4	3.1	7.2
700	975	975	57085	15.8	-3.5	36.5	14.8	2.5	7.2
700	987.5	987.5	57083	9.7	-4.0	35.6	19.4	10.3	7.2
700	1000	1000	57084	12.3	-1.0	36.0	21.0	14.2	7.4
700	1012.5	1012.5	57086	10.3	0.9	38.5	19.3	13.2	7.9

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
700	1025	1025	57088	10.4	0.1	39.8	19.3	11.6	8.2
700	1037.5	1037.5	57087	14.2	3.6	41.9	17.9	8.8	8.6
700	1050	1050	57091	9.8	0.1	46.7	9.3	4.0	9.6
700	1062.5	1062.5	57091	-3.2	-4.8	49.4	-3.7	-3.2	10.1
700	1075	1075	57090	-8.7	-7.8	45.5	-11.0	-6.2	9.5
700	1087.5	1087.5	57087	-16.1	-10.4	41.0	-14.7	-9.6	8.6
700	1100	1100	57082	-18.5	-9.9	38.1	-15.5	-8.8	8.1
700	1112.5	1112.5	57085	-14.3	-7.3	36.5	-10.5	-5.9	7.8
700	1125	1125	57083	-10.2	-3.8	36.4	-7.3	-1.6	7.8
700	1137.5	1137.5	57088	-6.9	-1.4	37.6	-7.1	1.2	8.2
700	1150	1150	57087	-15.3	-2.1	37.0	-17.1	-0.1	8.1
700	1162.5	1162.5	57084	-20.3	-1.6	35.4	-18.6	-0.4	7.5
700	1175	1175	57085	-16.2	0.4	34.4	-16.7	2.8	7.3
700	1187.5	1187.5	57084	-8.4	2.5	34.3	-9.1	5.8	7.2
700	1200	1200	57088	-1.3	5.9	34.4	-2.7	8.9	7.3
700	1212.5	1212.5	57088	2.6	7.8	35.2	0.1	9.5	7.2
700	1225	1225	57087	6.5	11.6	35.7	5.2	15.8	7.4
700	1237.5	1237.5	57090	8.8	10.7	36.9	7.8	16.8	7.5
700	1250	1250	57089	4.0	9.4	39.4	6.0	16.3	7.8
700	1262.5	1262.5	57089	5.3	8.3	40.2	7.4	13.3	8.1
700	1275	1275	57092	5.0	5.7	42.0	5.8	5.8	8.2
700	1287.5	1287.5	57086	0.7	1.5	41.9	1.9	0.2	8.3
700	1300	1300	57088	-1.3	1.3	41.7	1.2	0.5	8.2
700	1312.5	1312.5	57089	2.4	-0.4	42.1	2.0	-1.4	8.2
700	1325	1325	57090	5.8	3.2	43.2	5.0	2.5	8.5
700	1337.5	1337.5	57089	0.6	5.2	44.5	1.2	0.8	8.5
700	1350	1350	57089	1.3	2.9	45.2	-1.9	-2.5	8.6
700	1362.5	1362.5	57087	-2.3	0.8	44.9	-2.4	-3.6	8.5
700	1375	1375	57086	-1.0	-1.2	46.5	-3.2	-6.1	8.6
700	1387.5	1387.5	57087	-7.1	-5.2	49.4	-8.2	-8.8	8.9

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
700	1400	1400	57085	-12.0	-5.0	49.6	-12.7	-8.8	8.9
700	1412.5	1412.5	57086	-8.6	-3.6	46.4	-12.2	-7.1	8.6
700	1425	1425	57084	-13.4	-2.8	46.3	-12.9	-7.3	8.6
700	1437.5	1437.5	57087	-11.8	-3.1	45.6	-11.9	-4.7	8.5
700	1450	1450	57085	-9.6	-2.2	43.7	-11.2	-2.4	8.4
700	1462.5	1462.5	57082	-4.1	-1.4	45.0	-11.7	-2.8	8.8
700	1475	1475	57084	-6.6	-1.5	44.2	-16.0	-5.0	8.6
700	1487.5	1487.5	57083	-9.6	-2.0	44.5	-19.5	-6.9	8.5
700	1500	1500	57086	-15.2	-2.8	43.4	-20.7	-5.4	8.3
700	1512.5	1512.5	57082	-16.6	-4.9	41.4	-20.4	-8.0	8.0
700	1525	1525	57082	-18.0	-2.8	40.6	-21.4	-7.4	7.8
700	1537.5	1537.5	57083	-20.0	-5.4	39.8	-25.4	-10.1	7.7
700	1550	1550	57086	-16.3	-3.5	38.2	-21.2	-7.9	7.4
700	1562.5	1562.5	57085	-15.2	-2.1	38.0	-19.6	-7.4	7.3
700	1575	1575	57084	-14.1	-2.0	38.5	-18.3	-6.7	7.2
700	1587.5	1587.5	57081	-18.1	-5.7	38.4	-18.5	-8.5	7.1
700	1600	1600	57081	-20.9	-6.5	37.3	-20.7	-8.6	7.0
700	1612.5	1612.5	57079	-14.1	-4.9	35.4	-23.1	-4.1	7.0
700	1625	1625	57078	-18.9	-1.1	33.8	-22.1	-2.2	6.7
700	1637.5	1637.5	57084	-10.1	2.9	33.8	-15.0	7.8	6.6
700	1650	1650	57084	-9.8	6.0	34.9	-7.1	13.6	6.5
700	1662.5	1662.5	57087	-3.8	7.0	36.1	-5.4	14.1	6.9
700	1675	1675	57083	-5.9	6.3	36.2	-9.1	7.8	7.0
700	1687.5	1687.5	57086	-0.4	6.3	35.8	-6.4	9.9	6.7
700	1700	1700	57080	3.7	11.5	36.8	-1.5	12.3	6.8
700	1712.5	1712.5	57086	6.8	13.1	37.8	0.9	14.2	7.0
700	1725	1725	57089	4.0	14.4	40.2	6.9	19.7	7.2
700	1737.5	1737.5	57088	5.7	11.4	43.0	4.9	12.5	7.5
700	1750	1750	57092	-2.6	5.0	43.6	1.0	6.2	7.6
700	1762.5	1762.5	57089	-12.5	5.1	45.6	-4.3	1.0	7.7

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
700	1775	1775	57090	-6.1	4.7	44.3	0.3	1.8	7.6
700	1787.5	1787.5	57086	-8.3	1.3	44.7	-4.3	-1.6	7.7
700	1800	1800	57085	-12.1	-0.8	43.4	-6.1	-4.7	7.5
700	1812.5	1812.5	57087	-13.6	-0.1	42.9	-4.1	-4.0	7.5
700	1825	1825	57086	-14.6	-0.3	42.3	-4.3	-5.8	7.4
700	1837.5	1837.5	57083	-14.2	-0.7	41.2	-3.6	-6.9	7.3
700	1850	1850	57086	-15.5	1.0	41.3	9.0	-1.9	7.5
700	1862.5	1862.5	57086	-12.8	1.3	40.8	-2.5	-4.4	7.8
700	1875	1875	57087	-9.6	2.4	40.6	-7.0	-5.3	7.9
700	1887.5	1887.5	57090	-7.0	3.5	40.5	-6.0	-3.5	7.8
700	1900	1900	57091	-5.4	3.6	39.9	-5.7	-1.5	7.8
line 800									
800	900	900	57082	0.6	-11.6	34.5	10.0	-3.8	7.3
800	912.5	912.5	57088	4.1	-7.4	34.6	11.5	-1.5	7.4
800	925	925	57085	5.4	-1.3	34.7	12.3	0.6	7.3
800	937.5	937.5	57082	8.9	2.6	35.7	16.7	3.7	7.4
800	950	950	57083	20.9	4.6	38.4	23.0	11.7	7.5
800	962.5	962.5	57086	9.1	3.9	41.3	19.2	5.4	8.0
800	975	975	57087	5.2	0.8	41.6	14.7	3.8	8.2
800	987.5	987.5	57085	10.8	4.0	44.1	16.2	9.3	8.8
800	1000	1000	57086	0.9	4.2	45.1	8.4	4.3	9.1
800	1012.5	1012.5	57089	-4.8	0.3	44.3	2.1	2.1	8.8
800	1025	1025	57088	-11.3	-2.2	43.6	-2.8	-1.2	8.7
800	1037.5	1037.5	57087	-12.1	-5.2	39.6	-6.8	-4.4	7.9
800	1050	1050	57081	-16.4	-5.7	37.6	-9.3	-3.2	7.5
800	1062.5	1062.5	57083	-16.2	-3.6	37.2	-6.3	0.3	7.5
800	1075	1075	57082	-14.7	-1.7	37.4	-7.9	1.3	7.5
800	1087.5	1087.5	57084	-14.6	-1.9	36.7	-7.4	0.9	7.5
800	1100	1100	57082	-16.5	-0.6	36.3	-10.7	3.2	7.3
800	1112.5	1112.5	57083	-13.0	1.7	34.3	-9.3	3.6	6.8

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
800	1125	1125	57081	-8.5	3.7	33.9	-4.2	6.1	6.8
800	1137.5	1137.5	57086	-1.5	7.2	35.3	0.4	8.4	6.6
800	1150	1150	57084	2.4	5.2	36.0	3.0	9.6	6.7
800	1162.5	1162.5	57092	-1.1	7.7	36.4	2.9	9.7	6.7
800	1175	1175	57084	4.7	6.7	38.1	4.5	9.8	6.8
800	1187.5	1187.5	57086	5.5	5.4	37.6	9.4	9.0	6.7
800	1200	1200	57086	4.8	6.8	38.5	8.8	8.1	6.8
800	1212.5	1212.5	57084	2.6	9.9	39.6	14.5	10.7	7.0
800	1225	1225	57091	12.4	12.6	42.4	14.7	15.2	7.5
800	1237.5	1237.5	57090	9.1	10.4	47.7	13.0	12.0	8.3
800	1250	1250	57093	0.1	6.1	48.1	5.9	4.7	8.4
800	1262.5	1262.5	57092	-5.1	2.9	49.0	0.9	1.9	8.7
800	1275	1275	57091	-12.7	0.8	50.2	-5.3	-2.2	8.9
800	1287.5	1287.5	57089	-20.0	0.3	50.0	-12.4	-4.9	8.7
800	1300	1300	57092	-24.0	-0.2	47.1	-14.0	-6.3	8.4
800	1312.5	1312.5	57091	-32.0	-2.5	46.5	-20.0	-9.2	8.3
800	1325	1325	57091	-34.6	-5.2	44.9	-23.2	-12.3	8.0
800	1337.5	1337.5	57088	-36.2	-9.8	41.1	-23.7	-12.1	7.4
800	1350	1350	57086	-39.1	-8.4	39.4	-23.4	-10.2	7.2
800	1362.5	1362.5	57088	-32.2	-1.9	37.7	-20.5	-5.3	7.0
800	1375	1375	57085	-26.3	3.5	38.7	-20.2	-2.5	7.0
800	1387.5	1387.5	57091	-25.3	6.5	40.7	-17.6	-0.1	7.2
800	1400	1400	57087	-27.1	3.8	41.9	-17.2	-2.0	7.3
800	1412.5	1412.5	57086	-24.4	2.0	41.8	-17.8	-2.1	7.2
800	1425	1425	57090	-25.9	2.0	41.8	-18.9	-3.0	7.2
800	1437.5	1437.5	57091	-24.0	0.5	40.5	-18.4	-4.1	7.1
800	1450	1450	57094	-24.6	-1.0	40.2	-19.1	-6.5	7.1
800	1462.5	1462.5	57097	-24.9	-6.7	38.7	-20.1	-11.4	7.0
800	1475	1475	57088	-25.3	-6.3	37.7	-21.2	-11.4	6.8
800	1487.5	1487.5	57090	-23.4	-2.9	36.7	-19.2	-10.1	6.7

Eastng	Northng	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
800	1500	1500	57092	-22.6	-2.6	37.0	-18.3	-9.8	6.7
800	1512.5	1512.5	57089	-19.5	0.3	37.0	-17.9	-8.2	6.6
800	1525	1525	57086	-20.8	0.8	38.6	-21.1	-12.0	6.7
800	1537.5	1537.5	57088	-20.4	-2.3	38.1	-17.8	-10.7	6.5
800	1550	1550	57091	-23.1	-2.0	38.4	-18.3	-11.0	6.5
800	1562.5	1562.5	57090	-25.1	-4.5	37.2	-15.1	-12.0	6.5
800	1575	1575	57089	-18.0	-4.8	36.9	-12.0	-8.1	6.5
800	1587.5	1587.5	57088	-24.5	-7.1	37.2	-15.7	-13.0	6.7
800	1600	1600	57086	-21.6	-6.2	36.2	-14.1	-12.7	6.4
800	1612.5	1612.5	57084	-25.6	-5.9	34.7	-16.7	-11.1	6.1
800	1625	1625	57087	-13.5	-1.5	34.8	-6.2	4.6	6.2
800	1637.5	1637.5	57085	-11.4	0.9	34.6	-6.5	4.3	6.1
800	1650	1650	57088	-2.8	5.2	35.0	-3.7	10.3	6.2
800	1662.5	1662.5	57085	2.0	6.6	36.0	-0.6	10.3	6.2
800	1675	1675	57085	-2.6	6.7	36.0	2.4	10.7	6.3
800	1687.5	1687.5	57087	-3.9	9.9	36.7	7.5	13.6	6.6
800	1700	1700	57089	3.7	8.0	37.9	3.0	13.7	7.2
800	1712.5	1712.5	57090	-3.0	8.7	38.4	1.9	11.6	7.4
800	1725	1725	57095	-6.9	6.7	38.9	-1.0	6.4	7.7
800	1737.5	1737.5	57092	-9.9	1.9	37.8	-6.0	0.1	7.7
800	1750	1750	57092	-7.9	2.4	37.6	-5.4	0.6	7.6
800	1762.5	1762.5	57090	-8.9	3.0	38.2	-5.0	0.3	7.7
800	1775	1775	57093	-10.6	2.5	38.9	-4.8	-2.8	7.8
800	1787.5	1787.5	57093	-6.6	-0.5	39.5	-4.7	-3.5	7.9
800	1800	1800	57092	-10.6	-0.9	40.1	-5.5	-5.1	8.0
800	1812.5	1812.5	57090	-9.2	-1.3	43.5	-4.1	-3.9	8.3
800	1825	1825	57090	-13.4	-2.1	44.9	-9.7	-8.4	8.5
800	1837.5	1837.5	57090	-19.2	-3.2	45.7	-13.4	-10.5	8.4
800	1850	1850	57089	-17.0	-1.1	46.1	-13.3	-8.1	8.2
800	1862.5	1862.5	57088	-20.3	-1.9	46.9	-14.5	-9.2	8.2

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
800	1875	1875	57090	-21.6	-1.8	47.4	-14.0	-8.6	7.9
800	1887.5	1887.5	57086	-19.4	-0.7	48.4	-10.8	-7.5	7.9
800	1900	1900	57085	-14.5	-0.4	48.5	-7.7	-4.9	7.8

APPENDIX IV

DATA LISTING

WEST GRID

CANAMERA GEOLOGICAL LTD. Data Listing

Area: ESKAY CREEK, B.C. Current File Name: CALDATAW.GPH
 Grid: CALVIN (West Grid) From File Name: CW.XYZ
 Date: December, 1993

INSTRUMENT TYPE: EDA Omni Plus VLF-EM/Magnetometer System

(Line & Station + = Northings and Eastings,
 - = Southings and Westings)

DATA TYPE(S):	DATA DETAILS:
#2. Total Field Magnetic Values	Corrected total magnetic field
#3. VLF-EM In-Phase Values	Hawaii Transmitter - facing north
#4. VLF-EM Quadrature	Hawaii Transmitter - facing north
#5. VLF-EM Field Strength	Hawaii total field strength
#6. VLF-EM In-Phase Values	Annapolis Transmitter - facing north
#7. VLF-EM Quadrature	Annapolis Transmitter - facing north
#8. VLF-EM Field Strength	Annapolis total field strength

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
line 2300									
2300	500	500	58088	-1.1	9.3	13.1	9.9	12.1	7.3
2300	512.5	512.5	58090	-8.1	6.0	13.1	6.8	10.8	7.3
2300	525	525	58090	-10.7	6.4	12.9	6.7	10.1	7.4
2300	537.5	537.5	58090	-10.8	2.0	12.4	2.8	8.7	7.4
2300	550	550	58094	-8.2	6.3	12.6	-0.1	7.3	7.5
2300	562.5	562.5	58093	-7.8	5.2	12.6	-2.5	5.7	7.6
2300	575	575	58090	-8.8	2.3	12.9	-7.1	1.3	7.5
2300	587.5	587.5	58091	-10.4	-3.4	12.7	-10.5	0.0	7.5

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
2300	600	600	58091	-10.0	-0.5	12.8	-12.1	-1.7	7.5
2300	612.5	612.5	58088	-10.3	-0.6	13.0	-13.2	-2.3	7.4
2300	625	625	58088	-12.0	-3.6	12.6	-15.4	-4.4	7.3
2300	637.5	637.5	58087	-10.9	-7.0	12.4	-14.3	-5.3	7.0
2300	650	650	58088	-10.1	-7.9	12.4	-14.2	-6.1	6.8
2300	662.5	662.5	58092	-11.5	-10.3	12.1	-15.7	-9.8	6.7
2300	675	675	58090	-11.4	-8.9	12.2	-14.8	-8.5	6.6
2300	687.5	687.5	58089	-11.5	-11.8	12.2	-15.0	-10.5	6.6
2300	700	700	58085	-6.0	-7.5	11.7	-10.4	-8.2	6.3
2300	712.5	712.5	58087	-3.3	-3.6	11.7	-7.1	-5.4	6.2
2300	725	725	58085	0.3	-3.5	11.8	-3.4	-4.1	6.2
2300	737.5	737.5	58089	0.8	-2.8	12.3	-0.4	-3.6	6.4
2300	750	750	58086	0.0	-3.4	12.2	-0.6	-4.1	6.4
2300	762.5	762.5	58086	1.0	-3.1	12.0	1.5	-2.0	6.3
2300	775	775	58086	0.4	-4.3	11.9	1.9	-2.0	6.4
2300	787.5	787.5	58085	-0.5	-3.5	12.0	-0.7	-5.8	6.4
2300	800	800	58087	0.9	-3.8	12.0	0.7	-2.9	6.4
2300	812.5	812.5	58086	2.0	-2.7	12.1	-4.4	-6.0	0.9
2300	825	825	58093	1.4	-1.3	12.4	-3.2	-2.5	0.9
2300	837.5	837.5	58084	0.0	-0.8	12.5	-13.9	-1.7	0.8
2300	850	850	58086	-2.2	-0.5	12.5	3.8	4.1	6.7
2300	862.5	862.5	58086	-2.9	1.9	12.4	8.0	10.1	6.7
2300	875	875	58086	-2.8	3.6	12.4	9.6	11.3	6.8
2300	887.5	887.5	58088	-1.0	6.1	12.3	11.5	13.0	7.0
2300	900	900	58090	0.3	6.7	12.5	10.7	13.5	7.1
2300	912.5	912.5	58087	0.6	7.4	12.6	9.2	11.7	7.2
2300	925	925	58087	0.6	4.3	12.4	8.8	11.9	7.2
2300	937.5	937.5	58094	1.3	5.3	12.6	10.8	11.3	7.2
2300	950	950	58093	0.5	3.0	12.5	10.0	11.6	7.4
2300	962.5	962.5	58091	1.1	2.7	12.6	9.6	7.7	7.5

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
2300	975	975	58095	1.7	1.2	12.6	7.4	6.2	7.7
2300	987.5	987.5	58089	2.5	-0.2	13.0	6.8	4.7	7.8
2300	1000	1000	58088	4.9	0.3	13.3	7.7	4.9	7.8
2300	1012.5	1012.5	58092	1.5	0.2	13.8	5.4	4.7	8.5
2300	1025	1025	58092	-0.2	-2.9	13.7	2.4	4.6	8.5
2300	1037.5	1037.5	58091	-4.1	-2.7	13.6	-0.2	3.4	8.4
2300	1050	1050	58088	-5.6	-3.3	13.5	-3.4	4.7	8.5
2300	1062.5	1062.5	58093	-6.6	-1.7	13.7	-4.0	5.4	8.5
2300	1075	1075	58090	-10.6	-2.7	13.5	-10.9	3.5	8.1
2300	1087.5	1087.5	58088	-8.9	-3.7	13.3	-12.9	5.5	8.0
2300	1100	1100	58093	-10.9	0.5	13.7	-10.8	5.4	8.0
2300	1112.5	1112.5	58093	-14.4	-1.9	13.2	-10.9	3.1	7.6
2300	1125	1125	58092	-12.1	0.3	13.1	-8.3	8.5	7.7
2300	1137.5	1137.5	58094	-16.0	-0.3	13.2	-8.8	5.1	7.8
2300	1150	1150	58103	-15.5	0.1	13.2	-8.0	5.2	7.7
2300	1162.5	1162.5	58091	-15.0	2.7	13.3	-6.3	8.0	7.8
2300	1175	1175	58093	-16.5	3.2	13.3	-8.1	7.2	8.0
2300	1187.5	1187.5	58099	-17.9	1.5	13.3	-11.1	4.0	8.2
2300	1200	1200	58095	-21.0	0.3	13.5	-14.5	0.0	8.3
2300	1212.5	1212.5	58095	-21.5	0.0	13.4	-15.3	0.0	8.2
2300	1225	1225	58095	-21.5	0.1	13.3	-16.0	-2.2	8.2
2300	1237.5	1237.5	58093	-23.7	-0.4	13.3	-19.3	-5.1	8.1
2300	1250	1250	58095	-22.5	-14.0	13.0	-20.7	-5.9	8.0
2300	1262.5	1262.5	58095	-26.5	-1.4	13.0	-22.2	-5.6	8.1
2300	1275	1275	58093	-25.1	-13.1	12.8	-24.7	-7.7	7.9
2300	1287.5	1287.5	58088	-26.3	-13.0	12.6	-28.8	-12.2	7.7
2300	1300	1300	58089	-26.3	-13.8	12.2	-29.1	-11.5	7.5
2300	1312.5	1312.5	58092	-25.9	-8.3	12.1	-28.5	-10.1	7.2
2300	1325	1325	58093	-26.0	-13.1	11.9	-28.5	-7.8	7.0
2300	1337.5	1337.5	58091	-25.0	-8.5	12.1	-27.6	-8.5	7.1

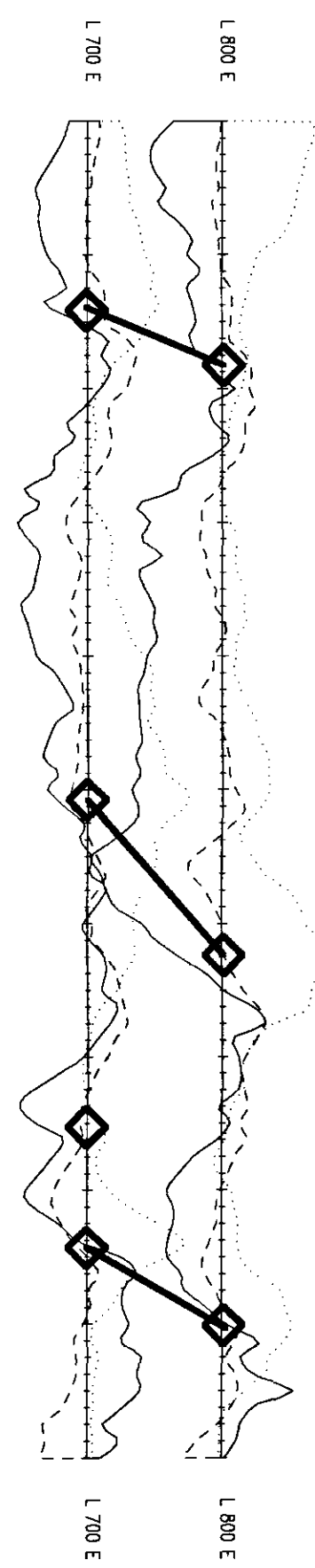
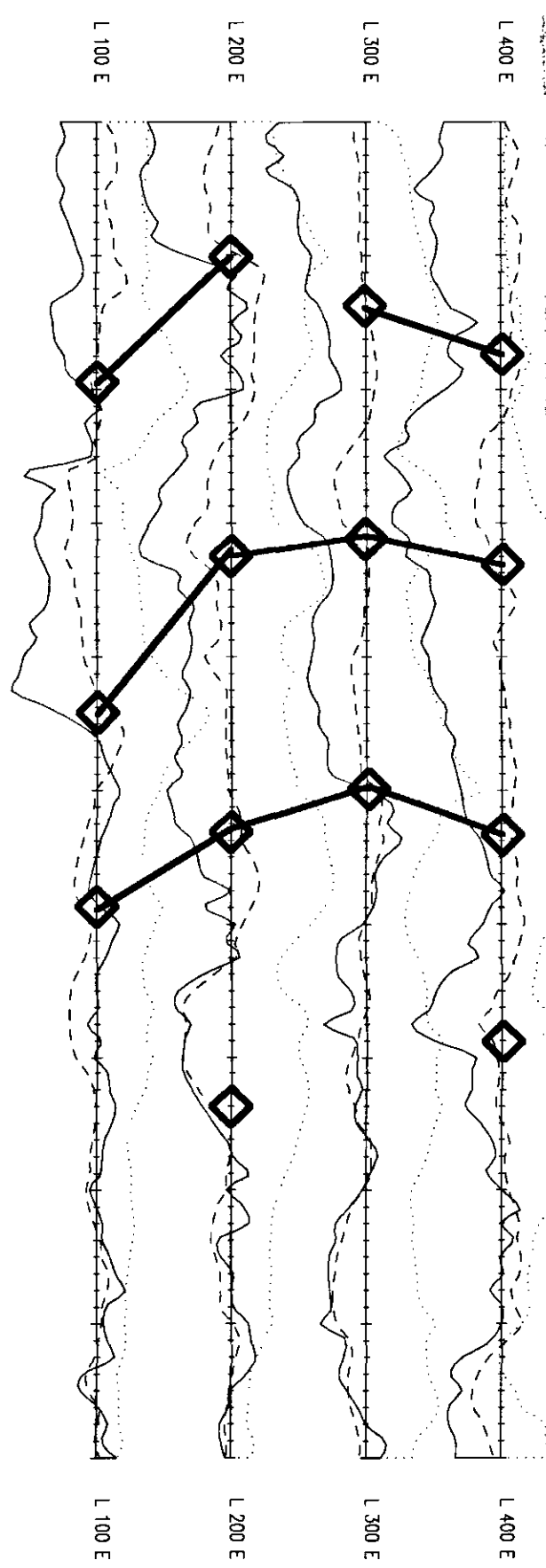
Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
2300	1350	1350	58094	-25.0	-10.5	12.1	-29.2	-8.4	7.2
2300	1362.5	1362.5	58096	-24.7	-11.3	12.1	-30.4	-8.1	7.2
2300	1375	1375	58093	-25.6	-13.6	11.8	-30.3	-9.0	7.0
2300	1387.5	1387.5	58094	-23.2	-16.9	11.6	-33.6	-7.9	6.8
2300	1400	1400	58093	-22.1	-15.2	11.6	-34.1	-8.1	6.8
2300	1412.5	1412.5	58092	-20.9	-16.3	11.6	-32.4	-6.6	6.7
2300	1425	1425	58092	-19.1	-16.8	11.8	-32.7	-9.4	6.7
2300	1437.5	1437.5	58090	-18.1	-14.9	11.6	-34.4	-10.6	6.4
2300	1450	1450	58090	-16.7	-12.8	11.6	-31.3	-8.0	6.3
2300	1462.5	1462.5	58092	-13.5	-8.8	11.7	-26.2	-4.7	6.3
2300	1475	1475	58092	-12.2	-7.6	11.6	-26.1	-4.6	6.4
2300	1487.5	1487.5	58088	-10.5	-6.7	11.8	-23.6	-1.2	6.4
2300	1500	1500	58095	-10.7	-8.9	11.8	-22.7	2.9	6.4
line 2500									
2500	500	500	58095	3.3	-6.8	13.7	0.1	-0.1	6.0
2500	512.5	512.5	58094	4.6	-5.2	13.7	-2.0	-1.2	6.0
2500	525	525	58093	5.6	-4.8	13.7	-5.0	-3.6	5.9
2500	537.5	537.5	58089	5.6	-3.1	13.6	-5.3	-4.6	5.9
2500	550	550	58088	7.0	-2.8	13.6	-6.6	-6.0	5.8
2500	562.5	562.5	58090	6.5	-3.1	13.6	-5.9	-6.7	5.8
2500	575	575	58092	7.7	0.3	13.5	-5.4	-7.1	5.7
2500	587.5	587.5	58091	7.8	0.1	13.5	-6.2	-7.3	5.7
2500	600	600	58087	7.3	-1.0	13.5	-6.3	-10.5	5.6
2500	612.5	612.5	58085	4.5	-0.6	13.4	-5.8	-9.5	5.6
2500	625	625	58087	2.6	-4.7	13.0	-3.4	-9.0	5.4
2500	637.5	637.5	58091	2.0	-3.6	13.4	-0.6	-8.3	5.6
2500	650	650	58088	6.4	1.3	13.8	-2.7	-10.6	5.7
2500	662.5	662.5	58075	8.5	1.2	13.7	-3.3	-14.7	5.7
2500	675	675	58085	10.9	3.9	13.6	-5.0	-15.1	5.7
2500	687.5	687.5	58085	11.6	4.2	13.3	-4.2	-15.6	5.5

Eastng	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
2500	700	700	58085	11.0	3.4	13.2	-0.6	-13.8	5.4
2500	712.5	712.5	58086	8.9	1.5	12.9	2.6	-11.8	5.5
2500	725	725	58088	7.5	0.6	13.1	2.4	-9.4	5.5
2500	737.5	737.5	58088	5.9	-1.6	12.9	3.1	-6.4	5.5
2500	750	750	58086	6.4	-2.1	12.9	3.4	-4.3	5.5
2500	762.5	762.5	58088	8.6	-1.3	12.7	3.7	-2.9	5.5
2500	775	775	58085	9.2	-1.9	12.7	3.0	-3.5	5.5
2500	787.5	787.5	58085	7.3	-2.9	12.5	4.1	-2.1	5.4
2500	800	800	58085	5.0	-5.4	12.5	6.9	1.2	5.3
2500	812.5	812.5	58091	3.1	-7.1	12.5	8.8	6.5	5.4
2500	825	825	58088	5.1	-9.5	12.5	11.6	9.6	5.5
2500	837.5	837.5	58089	4.7	-10.5	12.6	12.5	10.4	5.6
2500	850	850	58090	4.4	-11.7	12.6	12.9	9.8	5.7
2500	862.5	862.5	58094	2.0	-11.8	12.9	14.3	9.8	5.9
2500	875	875	58093	1.0	-12.6	13.1	12.1	7.1	6.1
2500	887.5	887.5	58093	1.0	-9.6	13.3	10.9	3.6	6.4
2500	900	900	58092	3.6	-6.6	13.6	9.1	0.7	6.5
2500	912.5	912.5	58089	2.2	-5.6	13.8	6.1	-2.2	6.8
2500	925	925	58091	5.3	-4.9	13.8	3.0	-5.2	6.9
2500	937.5	937.5	58086	8.1	-1.0	14.0	-1.0	-8.9	7.0
2500	950	950	58084	9.5	3.5	13.7	-1.7	-11.3	6.8
2500	962.5	962.5	58087	11.4	2.4	13.6	-2.1	-10.4	6.8
2500	975	975	58085	9.7	-3.2	13.6	-2.4	-8.4	6.9
2500	987.5	987.5	58087	10.6	-0.9	13.6	-1.5	-5.6	6.7
2500	1000	1000	58088	9.8	-2.3	13.6	-1.3	-3.6	6.7
2500	1012.5	1012.5	58088	8.0	-6.4	13.7	2.7	-2.0	6.8
2500	1025	1025	58087	10.5	-4.5	14.0	2.2	-0.9	6.8
2500	1037.5	1037.5	58087	11.0	-6.9	13.9	3.4	-2.8	7.0
2500	1050	1050	58088	11.1	-7.3	13.8	3.1	-2.1	7.2
2500	1062.5	1062.5	58093	9.9	-5.5	13.7	4.0	-1.4	7.4

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
2500	1075	1075	58091	10.5	-5.3	13.6	1.8	-3.1	7.6
2500	1087.5	1087.5	58090	8.9	-6.3	13.7	-1.3	-2.5	7.7
2500	1100	1100	58097	9.7	-2.1	13.8	-4.4	0.5	7.8
2500	1112.5	1112.5	58092	10.1	-5.7	13.9	-7.4	-2.2	7.9
2500	1125	1125	58087	11.1	-1.1	14.2	-11.8	-1.6	7.8
2500	1137.5	1137.5	58090	12.6	-3.4	14.6	-14.3	-2.5	8.1
2500	1150	1150	58086	-13.5	1.8	14.7	-16.4	-0.1	8.1
2500	1162.5	1162.5	58086	18.4	0.0	14.9	-21.5	-3.3	8.0
2500	1175	1175	58085	22.4	-2.6	14.5	-23.2	-5.2	7.8
2500	1187.5	1187.5	58087	25.3	-1.2	14.5	-27.0	-5.0	7.7
2500	1200	1200	58086	27.2	-4.9	13.6	-27.3	-8.0	7.2
2500	1212.5	1212.5	58086	26.3	7.0	13.3	-25.8	-8.7	7.0
2500	1225	1225	58085	27.1	6.7	13.0	-24.4	-8.9	6.9
2500	1237.5	1237.5	58088	26.6	-7.6	12.8	-23.6	-6.3	6.8
2500	1250	1250	58088	24.5	-9.8	12.8	-19.5	-3.2	6.7
2500	1262.5	1262.5	58085	23.3	-8.5	12.9	-18.4	-0.2	7.0
2500	1275	1275	58090	21.8	-7.2	12.9	-20.7	-3.1	7.0
2500	1287.5	1287.5	58088	19.9	-6.0	12.8	-20.6	-3.2	7.0
2500	1300	1300	58089	18.6	2.2	12.8	-19.8	-5.0	7.0
2500	1312.5	1312.5	58088	16.2	2.0	12.9	-19.6	-3.6	7.1
2500	1325	1325	58088	16.0	-7.4	13.1	-20.1	-1.1	7.2
2500	1337.5	1337.5	58089	17.0	-3.2	13.3	-24.4	-3.0	7.2
2500	1350	1350	58096	21.6	0.0	13.4	-29.7	-3.5	7.2
2500	1362.5	1362.5	58090	17.8	6.9	12.9	-28.0	-3.4	6.9
2500	1375	1375	58096	18.9	-3.0	12.8	-26.5	-4.4	6.8
2500	1387.5	1387.5	58091	16.4	4.6	12.8	-26.9	-5.3	6.6
2500	1400	1400	58090	16.1	-0.6	12.7	-26.4	-3.0	6.5
2500	1412.5	1412.5	58087	14.8	-3.0	12.5	-25.3	-2.5	6.4
2500	1425	1425	58092	13.1	2.7	12.4	-24.3	-4.7	6.5
2500	1437.5	1437.5	58092	13.5	-0.2	12.3	-21.0	-3.4	6.5

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
2500	1450	1450	58093	13.1	0.0	12.3	-22.0	-3.5	6.5
2500	1462.5	1462.5	58087	9.1	3.9	12.2	-21.0	-4.5	6.4
2500	1475	1475	58095	9.0	1.5	11.8	-16.8	-3.2	6.4
2500	1487.5	1487.5	58090	10.4	-3.6	12.3	-15.7	-3.2	6.7
2500	1500	1500	58090	9.2	5.7	12.4	-20.2	-7.9	6.8
2500	1512.5	1512.5	58090	14.2	3.5	12.5	-21.7	-7.7	6.8
2500	1525	1525	58086	14.4	2.2	12.3	-22.8	-11.8	6.7
2500	1537.5	1537.5	58088	11.8	4.2	12.3	-20.9	-8.0	6.6
2500	1550	1550	58088	-9.1	-6.7	12.1	-17.9	-7.5	6.6
2500	1550	1550	58086	8.2	5.1	12.3	-17.7	-4.7	6.7

2000N —
1900N —
1800N —
1700N —
1600N —
1500N —
1400N —
1300N —
1200N —
1100N —
1000N —
900N —



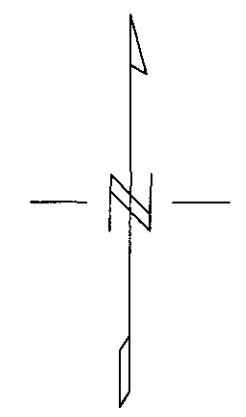
LEGEND
NLK, Seattle, WA

- Anomalous Inflection (In-Phase)
 - In-Phase
 - Quadrature
 - Field Strength 1 cm. = 10 units on 35 base level
 - VLF-EM Conductor
- } 1 cm. = 20 %

—2000N
—1900N
—1800N
—1700N
—1600N
—1500N
—1400N
—1300N
—1200N
—1100N
—1000N
—900N

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,148



Scale 1:5000
50 0 50 100 150 200 250 300
(meters)

TAGISH RESOURCES LTD.

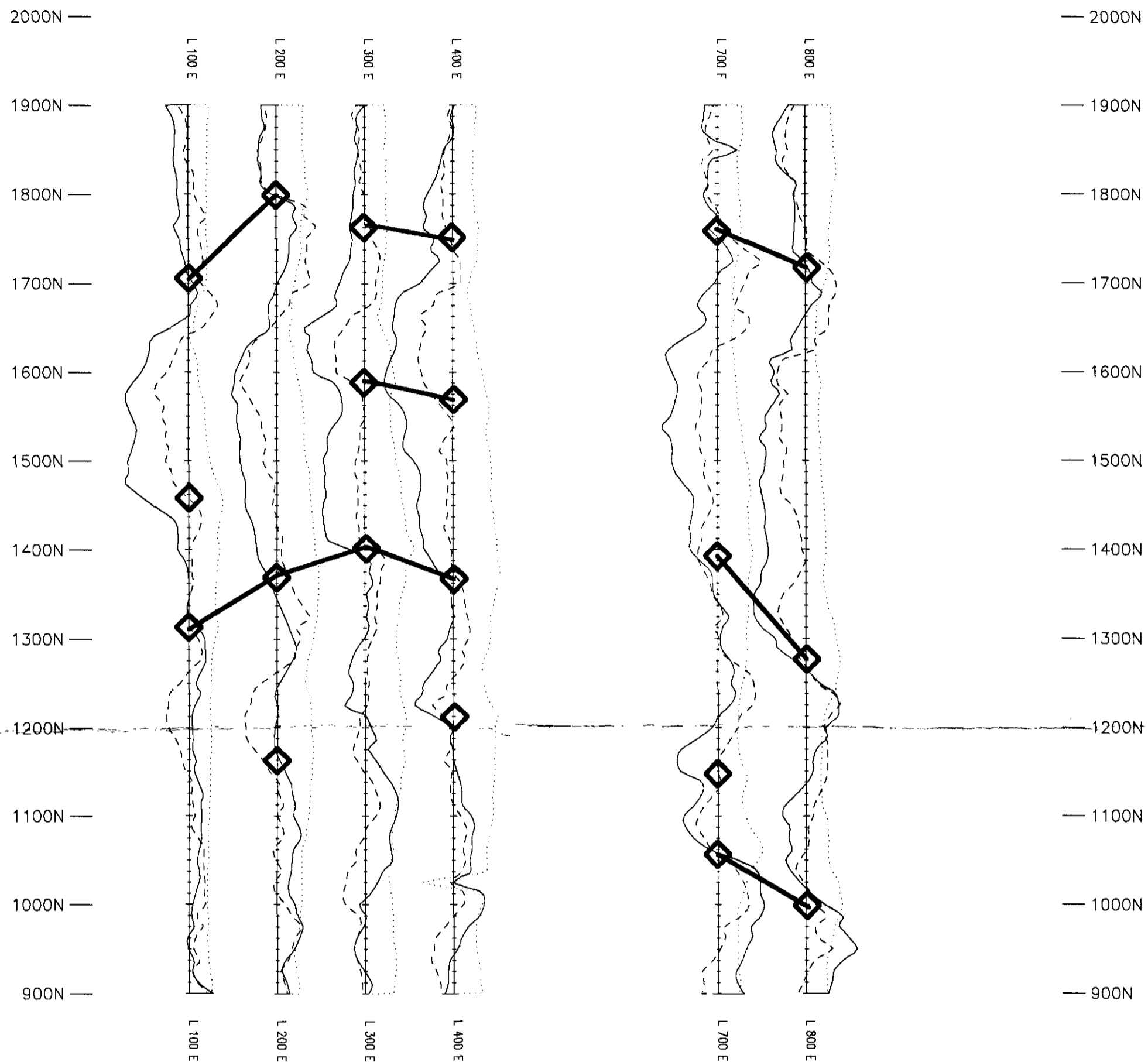
NLK, Seattle, WA VLF-EM PROFILES

CALVIN GROUP CLAIMS (East Grid)
104 B/9 & 10
Skeena Mining Division, British Columbia
Figure # 5-1 December 6, 1993

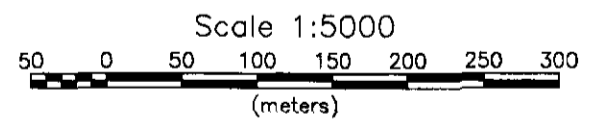
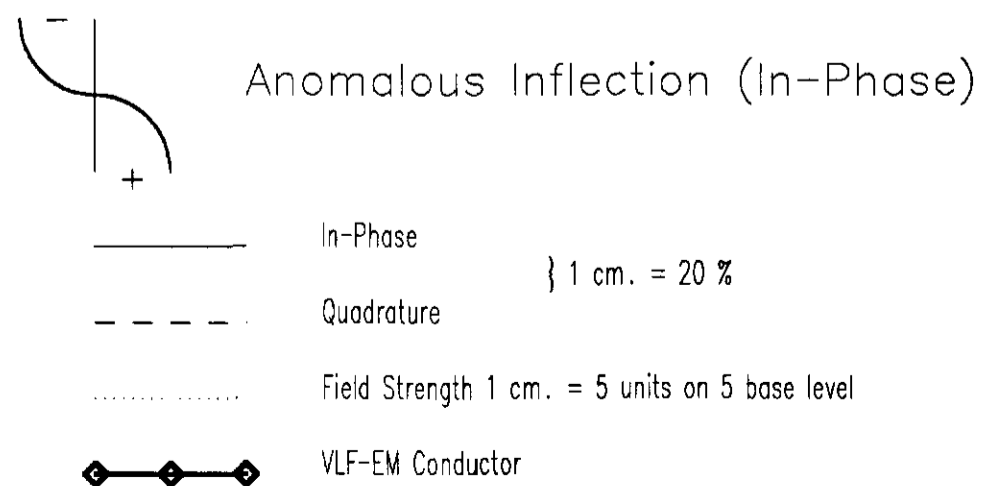
Canamera Geological Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LEGEND
NSS, Annapolis, MD



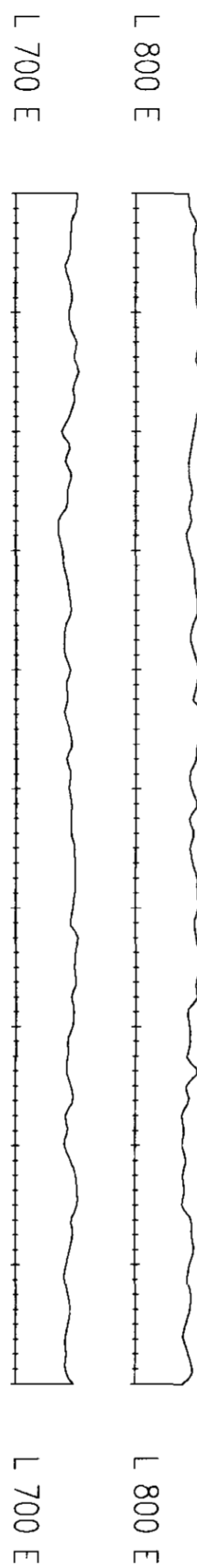
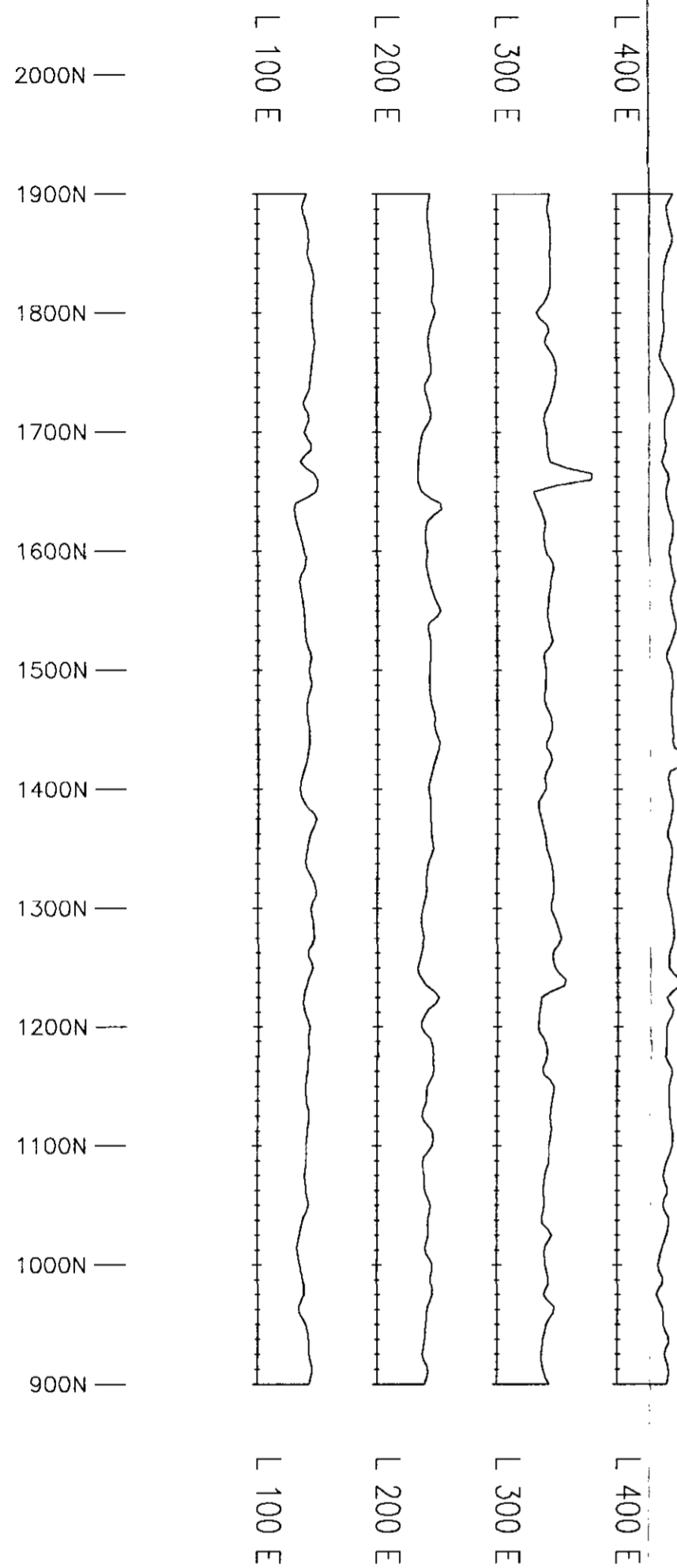
TAGISH RESOURCES LTD.

NSS, Annapolis, MD VLF-EM PROFILES

CALVIN GROUP CLAIMS (East Grid)

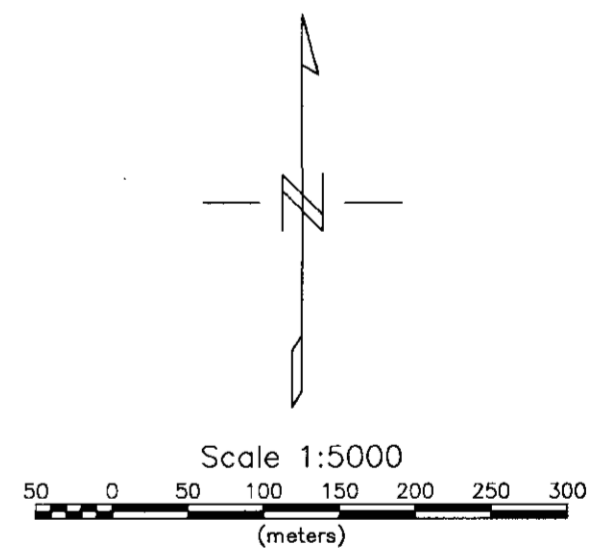
104 B/9 & 10
Skeena Mining Division, British Columbia
Figure # 5-2 December 6, 1993

Canamera Geological Ltd.



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LEGEND

— Magnetic Field Strength

1 cm. = 40 nT

Magnetic Field Datum Level = 57050 nT

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Total Field Magnetic Profiles

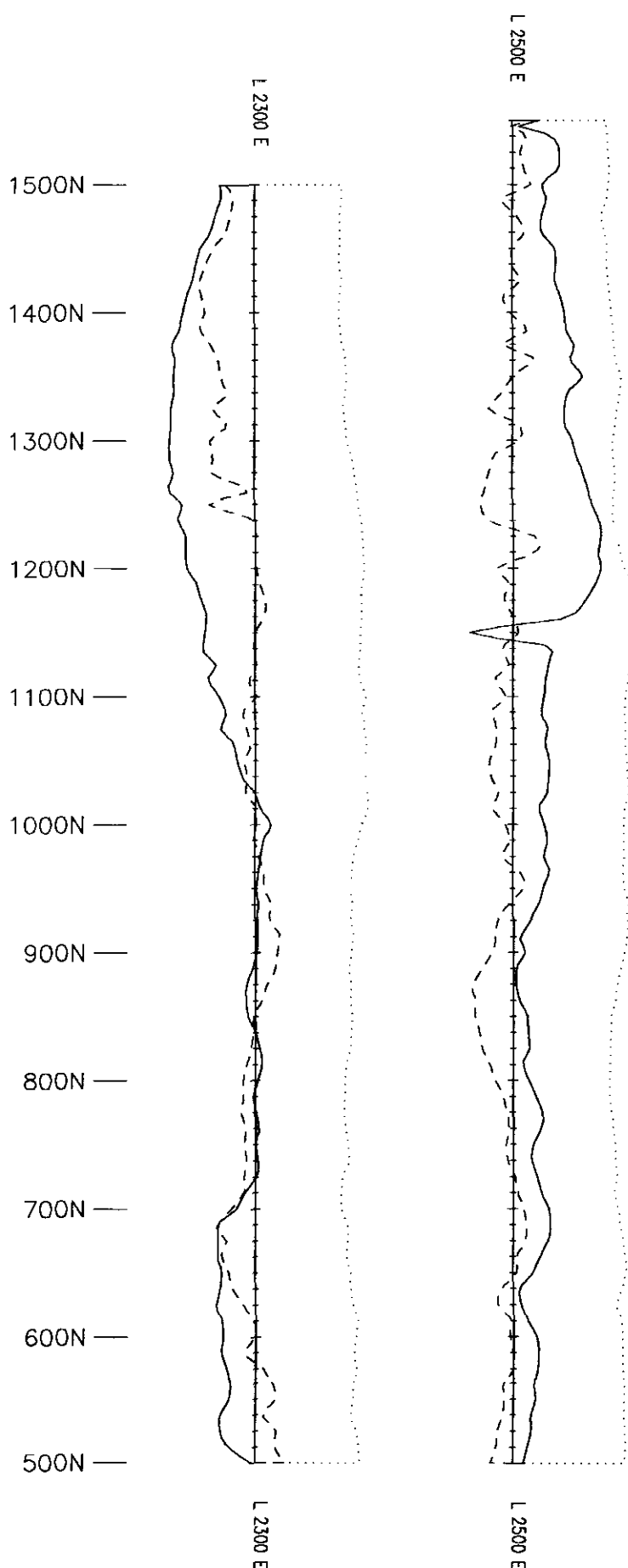
CALVIN GROUP CLAIMS (East Grid)

104 B/9 & 10

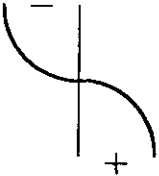




Skeena Mining Division, British Columbia

Figure # 5-3 December 6, 1993

Canamera Geological Ltd.

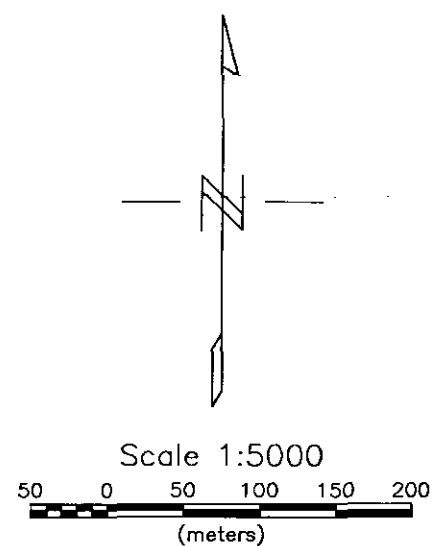


LEGEND
NPM, Lualualei, HI

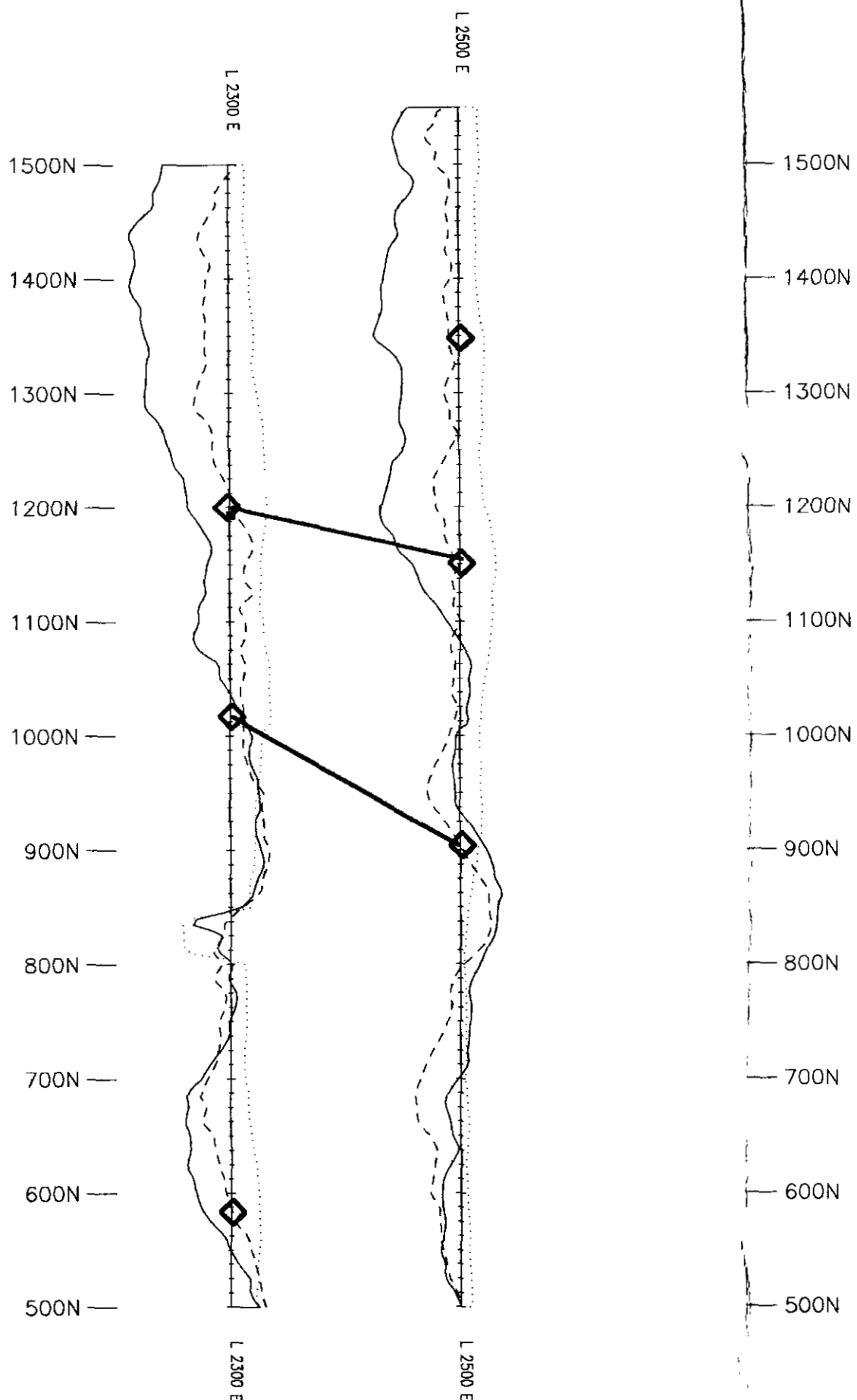
-  Anomalous Inflection (In-Phase)
 -  In-Phase
 -  Quadrature
 -  Field Strength 1 cm. = 5 units on 5 base level
 -  VLF-EM Conductor
- } 1 cm. = 20 %

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TAGISH RESOURCES LTD.
NPM, Lualualei, HI VLF-EM PROFILES
CALVIN GROUP CLAIMS (West Grid) 104 B/9 & 10 Skeena Mining Division, British Columbia Figure # 5-4 December 6, 1993
<i>Canamera Geological Ltd.</i>

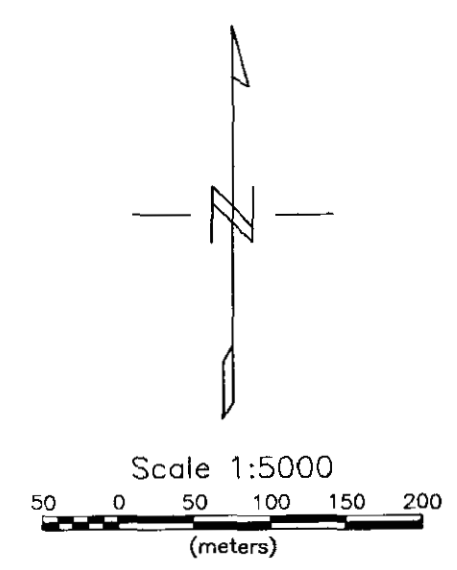


LEGEND
NSS, Annapolis, MD

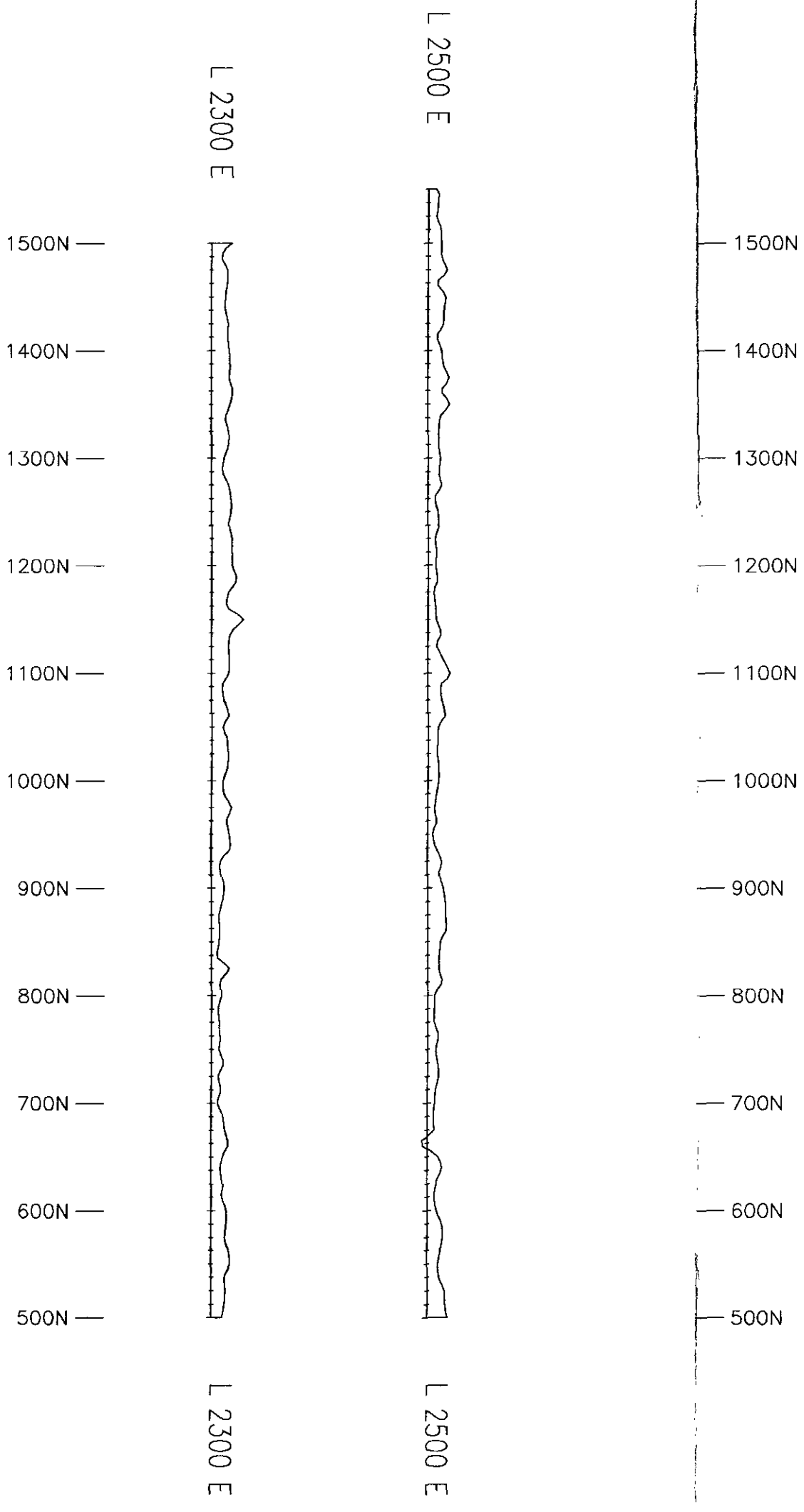
- Anomalous Inflection (In-Phase)
- In-Phase } 1 cm. = 20 %
- Quadrature
- Field Strength 1 cm. = 5 units on 5 base level
- VLF-EM Conductor

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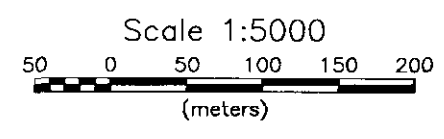
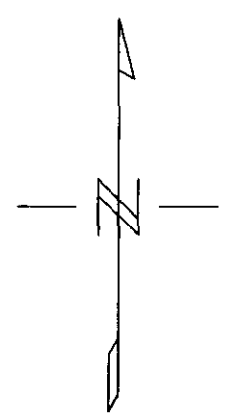


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NSS, Annapolis, MD VLF-EM PROFILES
CALVIN GROUP CLAIMS (West Grid) 104 B/9 & 10 Skeena Mining Division, British Columbia Figure # 5-5 December 6, 1993
<i>Canamera Geological Ltd.</i>



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LEGEND

————— Magnetic Field Strength
1 cm. = 40 nT
Magnetic Field Datum Level = 58080 nT

TAGISH RESOURCES LTD.
Total Field Magnetic Profiles
CALVIN GROUP CLAIMS (West Grid) 104 B/9 & 10 Skeena Mining Division, British Columbia Figure # 5-6 December 6, 1993
Canamera Geological Ltd.