GEOLOGICAL AND GEOPHYSICAL REPORT

ON THE

HAGS GROUP CLAIMS

SKEENA [redacted] MINING DIVISION,

BRITISH COLUMBIA

NTS: 104 B/9 AND 10

PREPARED BY: PERRY GRUNENBERG, P. GEO.

DECEMBER, 1993

Location: 56°39′ North Latitude; 130°30′ West Longitude

Operator: Canamera Geological Ltd.

Owner: Tagish Resources Ltd. and Alex Briden

Approval #: SMI-93-0100787-220

SUMMARY

The 75 unit Hags claim group is located between the Unuk and Iskut Rivers of northwestern British Columbia. The claims lay over regional geological structures which are ore bearing in other parts of the region, including the rich Au-Ag Eskay Creek deposit, located adjacent to the claim group.

In the fall of 1993, Canamera Geological Ltd. completed geological, geophysical and geochemical surveys on the HAGS Group claims.

Mapping on the Aftom 10 claim traced pyritiferous, siliceous, felsic volcanic rocks south to north across the west side of the claim. These rocks apparently belong to the Mount Dilworth formation. Rock samples taken from these siliceous volcanics returned non-anomalous values for precious or base metals.

No VLF-EM conductors were found within the East Grid. VLF-EM survey produced one short weak conductor on the West Grid. The feature shows low conductivity but is believed to be within bedrock rather than overburden. No magnetic associations with conductivity were evident.

No significant magnetic anomalies were detected in the East Grid. Magnetic survey over the West Grid showed a change in magnetic environment roughly in the middle of the grid. The change is interpreted as a change from sedimentary rock in the east portion of the grid to volcanic rock in the west.

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FIGURES AND TABLES

1.0 INTRODUCTION

In the fall of 1993, Canamera Geological Ltd. was contracted to complete geological and geophysical surveys on the HAGS group claims. This report documents that work.

1.1 LOCATION AND ACCESS

The property is located in western British Columbia near the Unuk and Iskut rivers, centered at 56°39′ N, and 130°30′ W (NTS 104B/10), approximately 950 kilometers northwest of Vancouver and 80 kilometers 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.

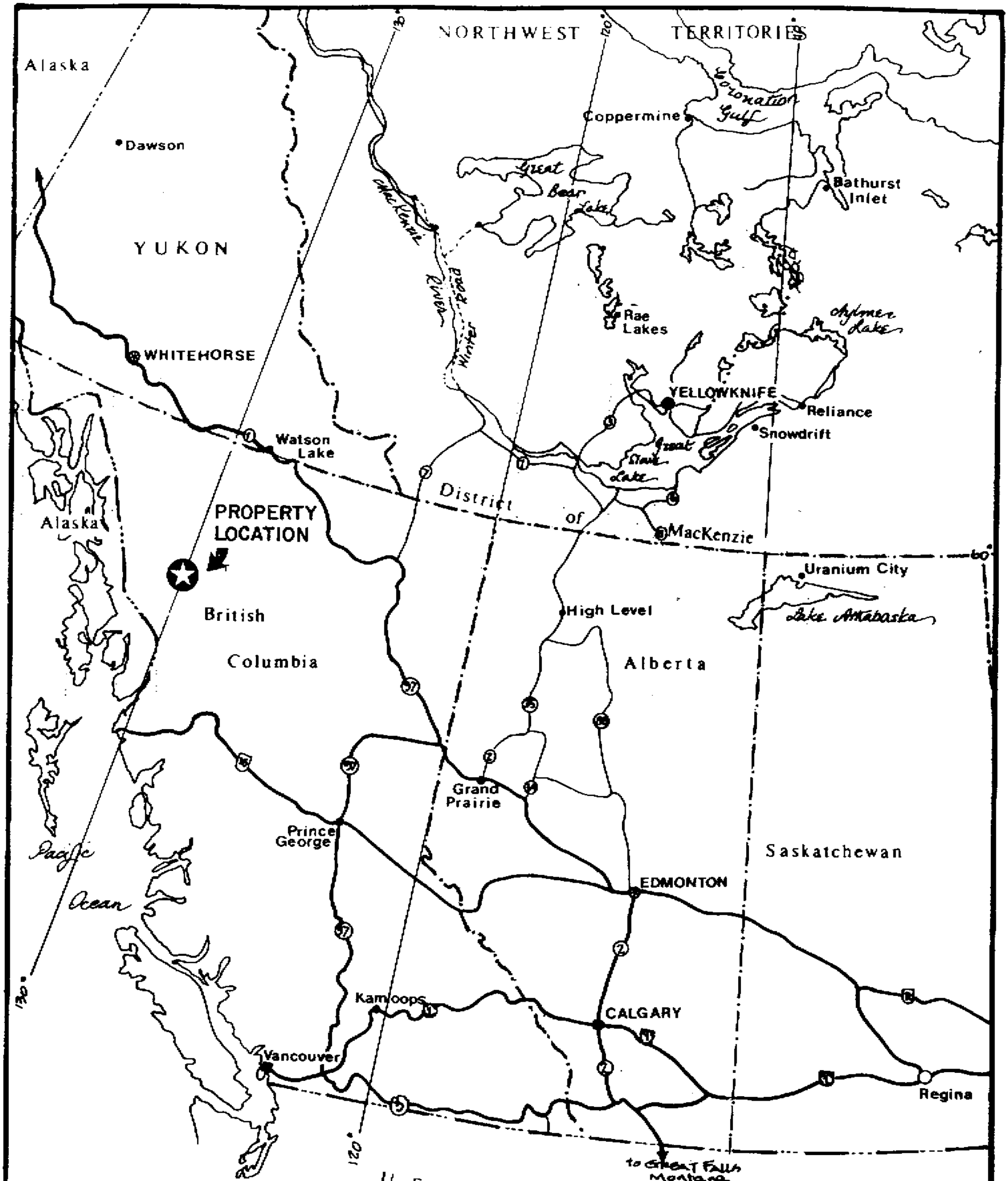
The property is most easily accessed by helicopter from the Stewart-Cassiar Highway which runs north-south roughly 25 km. east of the property. Northern Mountain Helicopters provides service from Bell II, and Vancouver Island Helicopters provides service from Bob Quinn, both situated along the highway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



CANAMERA GEOLOGICAL LTD.

PROPERTY LOCATION MAP

Date: NOV/93
Scale: 1:10,000,000
Data by: PG/sl
Figure 1

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 four modified grid claims totaling 75 units (Figure 2), covering an area of approximately 18 square kilometres. The claims are owned by TAGISH RESOURCES LTD. and Alex Briden. The claim names, record number, size, anniversary dates and ownership's 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.

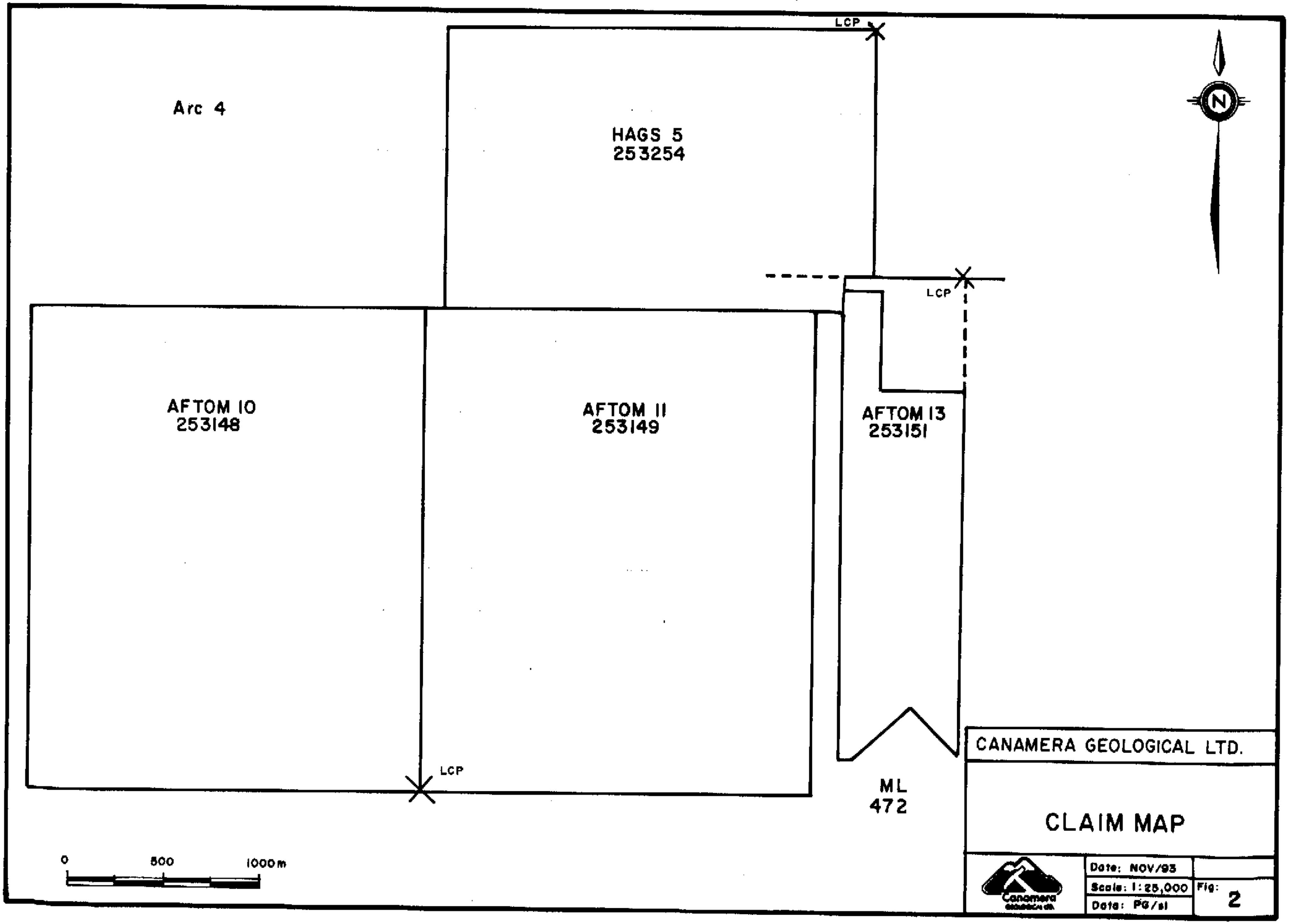
Exploration continued through the decades, with further underground work on the Mackay adit, and development of the Emma adit closer to the 21 Zone, abundant surface trenching, and drilling of 84 diamond drill holes totaling 3,950 metres. This work involved 11 different exploration companies.

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.

TABLE I

CLAIM NAME	RECORD #	ANNIVERSARY DATE	# OF UNITS	OWNERSHIP
HAGS 5	253254	9-30-94	15	ALEX BRIDEN
AFTOM 10	253148	9-09-94	20	TAGISH
AFTOM 11	253149	9-09-94	20	TAGISH
AFTOM 13	253151	9-11-94	20	TAGISH


Arc 4
HAGS 5
253254
LCP
LCP
AFTOM 10
253148
AFTOM 11
253149
AFTOM 13
253151
LCP
ML
472
N
0
500
1000m
CANAMERA GEOLOGICAL LTD.
CLAIM MAP
Date: NOV/93
Scale: 1:25,000
Data: PG/sl
Fig:
2
Canamera

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 HAGS claim group. Reclamation of an old exploration camp on the HAG 5 claim also took place at that time. This work was carried out from a five person camp located to the west of the group, from August 29 to September 3, 1993.

Geologic mapping at a scale of 1:10,000 was constricted to the Aftom 10 claim where interesting geologic structures were previously mapped at a larger scale. A total of seven reconnaissance style rock chip samples were collected during this mapping.

VLF-EM and magnetometer geophysical surveys were conducted on the HAGS claims. Grid lines were preset using hip chain and compass, with E-W lines running from a N-S base line. A total of 8.7 line kilometres of grid was set, upon which 7.9 kilometres of geophysical survey was completed.

2.0 GEOLOGY

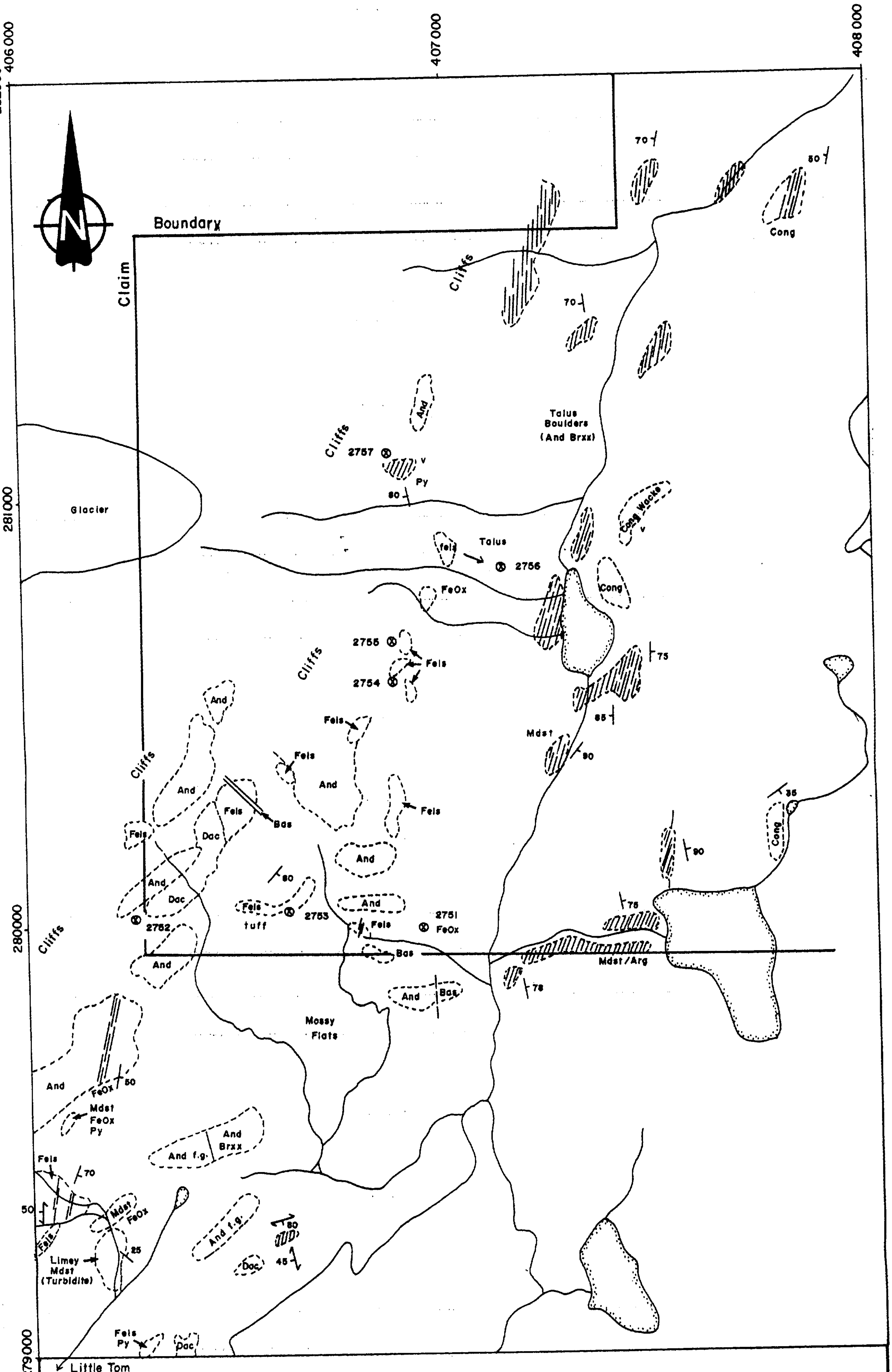
2.1 REGIONAL GEOLOGY

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 plagioclaise 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 volcaniclastic 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 pyroclatics 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 overlaying Bowser Lake Group sedimentary rocks.



And	-	Andesite
Dac	-	Dacite
Fels	-	Felsite
Mdst	-	Mudstone
Arg	-	Argillite
Bas	-	Basalt
Cong	-	Conglomerate
v	-	Minor Quartz Veining
FeOx	-	Iron Staining Oxide
⊗	-	Rock Sample Location

CANAMERA GEOLOGICAL LTD.

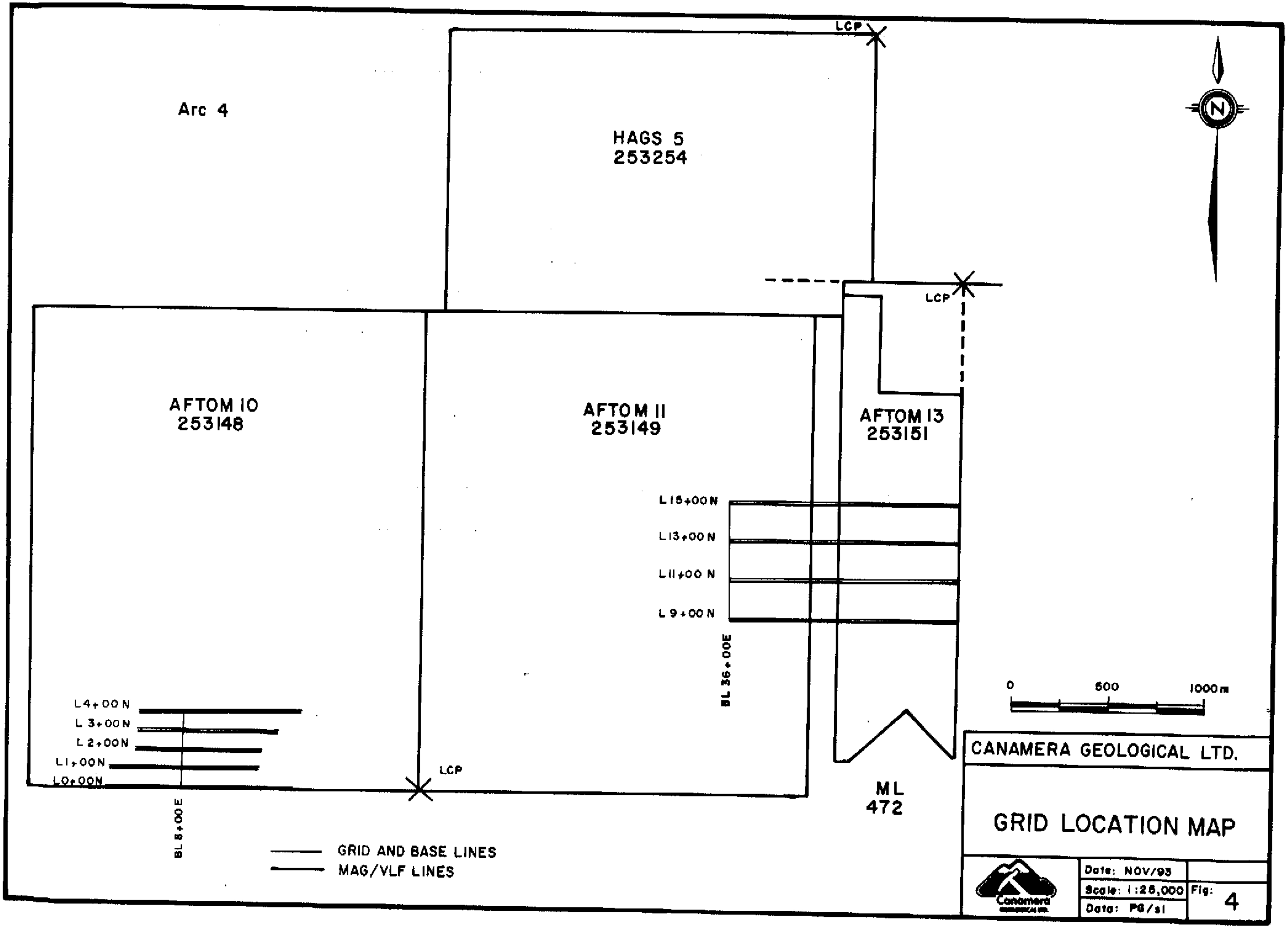
AFTOM 10
SAMPLE LOCATION AND
GEOLOGY MAP

Date: NOV/93
Scale: 1:10,000
Data: PG/sl
Fig: 3

2.2 PROPERTY GEOLOGY **AFTOM 10 CLAIM**

Geological mapping at a 1:10,000 scale was limited to the Aftom 10 claim, where previous regional mapping by the British Columbia Survey has shown that rocks of the important Mount Dilworth formation outcrop along the western margin of the claim. Results of this mapping are shown on Figure 3.

The eastern portion of the property is underlain by sediments of the Bowser Lake Group, including interbedded wacke, conglomerate, and siltstone/argillite. Minor folding is abundant in these sediments, with northerly striking beds dipping steeply to the east and west. Towards the southwestern corner of the property, rocks are predominantly volcanic, with an abundance of andesitic tuffs and flows. Apparent Dilworth formation rocks are evident as felsic volcanic and dacitic rocks in the extreme southwest corner of the Aftom 10 claim, trending south-southeast towards Tom Mackay Lake.



Arc 4
HAGS 5
253254
LCP
LCP
AFTOM 10
253148
AFTOM 11
253149
AFTOM 13
253151
L15+00N
L13+00N
L11+00N
L9+00N
BL 36+00E
L4+00N
L3+00N
L2+00N
L1+00N
L0+00N
BL 5+00E
LCP
ML
472
0
500
1000m
GRID AND BASE LINES
MAG/VLF LINES
CANAMERA GEOLOGICAL LTD.
GRID LOCATION MAP
Canamera
Date: NOV/93
Scale: 1:25,000
Data: PG/sl
Fig: 4

3.0 LITHOGEOCHEMISTRY

3.1 SAMPLE PROCEDURE

A total of seven rock chip samples were taken from iron stained outcrops and talus on the Aftom 10 claim. Locations of these samples are shown on Figure 3.

Sample 2751 was taken from highly oxidized, decomposed apparent talus at the south margin of the property. Samples 2752 to 2756 were taken from pyrite bearing felsic volcanics (Mount Dilworth Fm.) along the western margin of the claim where steep terrain allowed limited access. Sample 2757 was taken from pyrite rich (20%) andesite near the contact with Bowser Lake Group sediments. All samples were sent to Chemex Labs Ltd. in North Vancouver for 32 elements ICP analysis, and fire assay for gold.

3.2 SAMPLE RESULTS

Copies of Chemex Labs Certificates of analysis are available in the appendix. Sample number 2751, taken from residual oxidized material, returned very high manganese (> 10,000 ppm) and iron (>15%), apparently concentrated from sulphide bearing material during oxidation. The source of this material is uncertain, but is considered to be close to where the residual material is located.

All of the rock samples returned gold values below the lower detection limits of analysis. Silver assay values reached a high of 1.6 ppm in sample # 2756. This sample also contained slightly elevated values of Cu (165 ppm), Pb (158 ppm), and Zn (170 ppm), indicative of multiple sulphides in this sample, as well as pyrite. Iron values greater than 10% (samples 2756 and 2757) indicate strong pyrite mineralization.

In general, lithogeochemical sampling on the Aftom 10 claim is inconclusive, with no strongly anomalous values of either base or precious metals being returned from these samples.

4.0 GEOPHYSICS

4.1 PROCEDURE AND INSTRUMENTATION

4.1.1 Survey Parameters

- two grids were located on the Hags claims.
- survey line separation - 100 on the West Grid and 150, 200 and 250 metres on the East Grid
- data station spacing - 12.5 m. on both grids
- horizontal control - a north-south baseline was established from which orthogonal lines were surveyed using hip chain and compass.
- a total of 4.4 km. of VLF-EM and magnetic data were accumulated over the East Grid
- a total of 3.925 km. of VLF-EM and magnetic data were accumulated over the West 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 - NAA (24.0 kHz.) - Cutler MA
  - NSS (21.4 kHz.) - Annapolis MD
- initialization direction east
- 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 I

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

Additional corrections were made to a portion of the data to compensate for a magnetic base level shift on the West Grid. A constant value of 1000 nT was subtracted from lines 0, 100N and 300N.

4.1.4.2 VLF-EM Survey

A constant of 40 units was subtracted from Cutler VLF field strength data on lines 900N and 1050N to compensate for a transmitter power increase during survey of these lines.

4.1.5 Presentation

4.1.5.1 East Grid

Cutler 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

Cutler 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 no conductive response that could be attributed to bedrock conductivity. Only minor perturbations in the profiles caused by topography or slight changes on overburden conductivity were evident.

4.2.2 West Grid

VLF-EM results from the West Grid indicate one short conductor centered on line 300N. The conductor appears to strike north-northeast and continue south to line 200N and possibly north to line 400N. Conductivity is low although profile character suggests a bedrock conductor rather than conductive surface material. Dip can not be reliably predicted based on present data. No magnetic associations with conductivity are apparent.

4.3 MAGNETOMETER 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 due to the large distance between survey lines and because the character of the small magnetic features is not unique or diagnostic.

4.3.2 West Grid

Magnetic results on the West Grid show a major change in magnetism at about 800E on all lines. Magnetic profiles show a change from a flat non-anomalous environment typical of a sedimentary rock type to a more active (numerous highs and lows) magnetic environment typical of a volcanic rock type. Thus the dashed line shown on Figure #5-6 Total Magnetic Profiles (West Grid) represents the interpreted approximate location of a contact between sedimentary and volcanic rocks. Various magnetic high anomalies can be seen within the interpreted volcanic environment and are probably due to variations in magnetic mineral content within the volcanic rock.

5.0 RECLAMATION

While exploring this area, the remains of a previous exploration camp were discovered on the HAGS 5 claim. Substantial amounts of lumber were left on site from floors and walls of several tents, plus an assortment of other odds and ends. This debris was collected, and clean up was completed by burning.

The 1993 Canamera Geological Ltd. exploration camp, located on the Aftom 11 claim, was cleaned and disposed of in a similar manner, after all camp supplies and equipment were demobed.

Copies of photos taken before and after reclamation of these two sites are shown on Figures 6 to 9.

Fig. 6 Canamera Geological Ltd. 1993 exploration campsite before clean up.

Fig. 7 Canamera Geological Ltd. 1993 camp site after demobilization.

Fig. 8 Old exploration camp debris on Hags 5 claim.

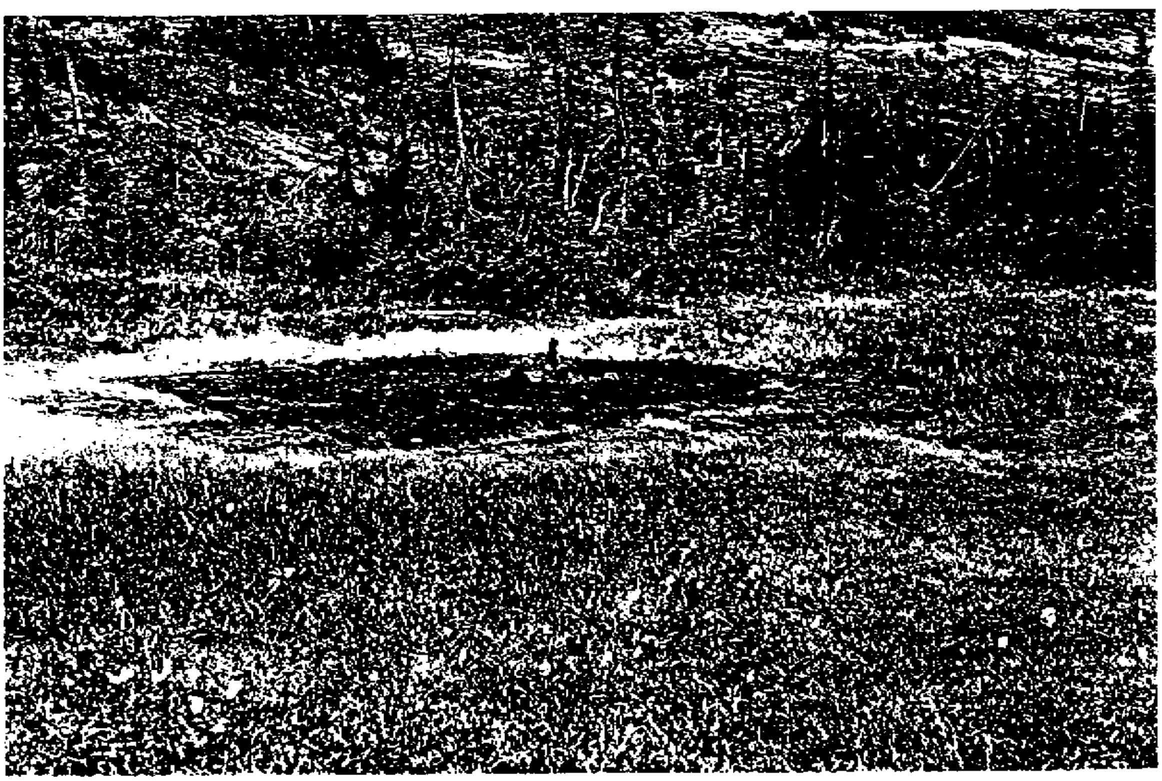


Fig. 9 Old exploration camp site on Hags 5 claim after reclamation.

6.0 REFERENCES

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7.0 COST STATEMENT

SALARIES		
	2 Line Surveyor/Samplers X 4 Mandays X $200/day	1,600.00
	2 Geophysical Technicians X 4 Mandays X $250/day	2,000.00
	Perry Grunenberg, P. Geo. X 4 Mandays X $350/day	1,400.00
TRAVEL COSTS		
	Vehicle Rentals (apportioned) & Airline Tickets (apportioned)	2,000.00
CAMP COSTS		
	Camp Rental: 4 days X $250/day	1,000.00
	Food & Supplies: 4 days X $150/day	600.00
HELICOPTER COST		
	VIH Helicopter 8 hrs. X $720/hr.	5,760.00
GEOPHYSICAL EQUIPMENT RENTAL		
	Computer & Radios: 4 days X $800/day	3,200.00
ASSAY COSTS		
	7 Samples X $30/sample	210.00
	SUB TOTAL	$17,770.00
CONTINGENCIES		
	At 10% (Shipping Costs, Communications, Fuels, Office Supplies, etc.)	1,777.00
	GRAND TOTAL	**$19,547.00**

8.0 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. 7\93 Signed:

Surrey,
British Columbia

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

PROFESSIONAL
PROVINCE OF
E. R. ROCKEL
BRITISH COLUMBIA
GEOSCIENTIST

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-ESKAY
Comments: ATTN: P. GRUNENBERG

Page Number : 1-A
Total Pages : 1
Certificate Date: 07-OCT-93
Invoice No. : I9322190
P.O. Number : AFTOM
Account : KBO

CERTIFICATE OF ANALYSIS A9322190

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
2752	205	274	< 5	0.4	0.31	26	130	< 0.5	< 2	0.03	< 0.5	2	191	8	2.61	< 10	< 1	0.18	10	0.08	30
2753	205	274	< 5	0.4	2.00	6	10	< 0.5	< 2	0.71	0.5	13	48	28	8.10	< 10	< 1	0.02	< 10	1.39	880
2754	205	274	< 5	0.4	1.51	< 2	60	< 0.5	< 2	0.28	0.5	3	59	10	5.89	10	< 1	0.08	10	0.94	565
2755	205	274	< 5	0.4	0.60	6	90	< 0.5	< 2	0.34	< 0.5	1	86	15	4.89	< 10	< 1	0.03	< 10	0.22	100
2756	205	274	< 5	1.6	1.59	20	< 10	< 0.5	4	0.58	1.5	11	101	165	11.85	10	< 1	0.01	< 10	0.85	350
2757	205	274	< 5	0.2	2.00	< 2	40	< 0.5	2	0.80	1.0	15	44	41	11.45	10	< 1	0.03	< 10	1.11	590
	205	274	< 5	< 0.2	1.00	22	200	< 0.5	< 2	0.17	< 0.5	3	40	7	6.14	< 10	11	0.35	< 10	0.19	150
	205	274	< 5	1.8	1.65	46	30	< 0.5	< 2	0.41	< 0.5	11	94	11	4.53	< 10	1	0.57	< 10	0.45	100
	205	274	< 5	< 0.2	2.41	< 2	40	< 0.5	< 2	1.19	0.5	27	24	10	9.60	10	1	0.12	< 10	1.09	550
	205	274	< 5	< 0.2	0.36	24	40	< 0.5	< 2	0.16	< 0.5	1	198	3	1.36	< 10	< 1	0.03	20	0.03	65
	205	274	< 5	< 0.2	0.86	22	130	< 0.5	< 2	0.26	< 0.5	4	116	6	2.53	< 10	< 1	0.33	10	0.18	145
	205	274	< 5	< 0.2	3.04	< 2	330	< 0.5	< 2	0.06	0.5	1	33	2	5.08	10	< 1	0.23	< 10	1.82	585
	205	274	< 5	< 0.2	3.05	14	80	< 0.5	< 2	1.07	< 0.5	16	18	11	7.42	10	< 1	0.21	< 10	1.89	775
	205	274	< 5	< 0.2	0.39	38	90	< 0.5	< 2	8.56	0.5	20	24	4	4.05	< 10	< 1	0.09	< 10	0.31	1535
	205	274	< 5	< 0.2	2.02	< 2	140	< 0.5	< 2	6.86	0.5	21	26	5	6.15	10	< 1	0.01	< 10	1.31	1420
	205	274	5	< 0.2	0.34	120	60	< 0.5	< 2	11.10	0.5	17	25	5	4.96	< 10	2	0.08	< 10	0.20	2710
	205	274	10	< 0.2	0.50	86	40	< 0.5	< 2	7.85	0.5	13	50	10	13.35	< 10	< 1	0.13	< 10	0.24	1755
	205	274	< 5	< 0.2	0.46	44	30	< 0.5	< 2	1.64	0.5	21	103	10	6.98	10	< 1	0.04	< 10	0.21	645
	205	274	< 5	< 0.2	0.85	34	30	< 0.5	< 2	6.53	0.5	25	29	11	5.97	< 10	< 1	0.04	< 10	0.40	2000
	205	274	25	1.2	1.13	12	210	< 0.5	< 2	0.13	< 0.5	3	77	8	1.49	< 10	< 1	0.67	10	0.11	45

CERTIFICATION: [signature]

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-ESKAY
Comments: ATTN: P. GRUNENBERG

Certificate Date: 07-OCT-93
Invoice No. : I9322190
P.O. Number : AFTOM
Account : KBO

CERTIFICATE OF ANALYSIS A9322190

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2752	205	274	5	< 0.01	4	120	14	< 2	1	17	< 0.01	< 10	< 10	2	< 10	58
2753	205	274	< 1	0.07	7	850	10	4	31	3	0.54	< 10	< 10	330	< 10	86
2754	205	274	20	0.04	8	910	22	< 2	6	4	0.15	< 10	< 10	34	< 10	62
2755	205	274	10	0.11	13	320	20	2	4	32	0.16	< 10	< 10	29	< 10	14
2756	205	274	36	0.03	7	390	158	4	5	29	0.17	< 10	< 10	27	< 10	170
2757	205	274	< 1	0.10	15	650	8	6	18	6	0.35	< 10	< 10	257	< 10	110
	205	274	3	0.04	< 1	1880	12	< 2	6	18	< 0.01	< 10	< 10	45	< 10	22
	205	274	7	0.06	3	1910	18	4	6	16	0.01	< 10	< 10	37	< 10	34
	205	274	1	0.04	< 1	1260	8	< 2	13	31	< 0.01	< 10	< 10	186	< 10	80
	205	274	2	0.25	3	170	6	< 2	1	18	< 0.01	< 10	< 10	15	< 10	12
	205	274	2	0.14	3	470	18	2	2	27	< 0.01	< 10	< 10	5	< 10	40
	205	274	< 1	0.01	< 1	140	2	< 2	4	9	< 0.01	< 10	< 10	30	< 10	86
	205	274	< 1	0.01	2	1470	8	< 2	10	36	< 0.01	< 10	< 10	67	< 10	92
	205	274	4	0.09	< 1	1180	2	4	13	184	< 0.01	< 10	< 10	87	< 10	108
	205	274	1	0.03	1	910	2	2	18	126	< 0.01	< 10	< 10	226	< 10	60
	205	274	7	0.06	< 1	780	4	10	14	191	< 0.01	< 10	< 10	53	< 10	32
	205	274	22	0.03	< 1	640	14	12	8	182	< 0.01	< 10	< 10	46	< 10	62
	205	274	3	0.15	1	1220	8	8	10	43	0.01	< 10	< 10	134	< 10	42
	205	274	< 1	0.05	< 1	1250	12	6	20	112	< 0.01	< 10	< 10	207	< 10	176
	205	274	5	0.04	1	710	14	12	2	6	< 0.01	< 10	< 10	21	< 10	4

CERTIFICATION: ____________

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 : AFTOMM
Comments: CC: JOHN DUPUIS

Certificate Date: 22-SEP-93
Invoice No. : I9321243
P.O. Number :
Account : KBO

CERTIFICATE OF ANALYSIS A9321243

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
2751	205	274	< 5	1.0	2.93	28	290	10.0	< 2	0.98	< 0.5	11	25	22	>15.00	30	4	0.02	60	0.51	>10000

CERTIFICATION: [signature]

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 : AFTOMM
Comments: CC: JOHN DUPUIS

Certificate Date: 22-SEP-93
Invoice No. : I9321243
P.O. Number :
Account :KBO

CERTIFICATE OF ANALYSIS A9321243

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2751	205	274	65	0.01	12	510	10	6	80	103	0.10	< 10	< 10	70	50	410

CERTIFICATION: Hart Bichler

APPENDIX II

EQUIPMENT SPECIFICATIONS

OMNI PLUS
VLF / Magnetometer System

EDA

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°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°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) 422-9112

Printed In Canada

OMNI IV "Tie-Line" Magnetometer

EDA

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 (0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m 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

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

In U.S.A.
E D A Instruments Inc.
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: HAGSDATE.GPH
Grid: HAGS GROUP (East Grid) From File Name: HAGSE.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	Cutler Transmitter - facing east
#4. VLF-EM Quadrature	Cutler Transmitter - facing east
#5. VLF-EM Field Strength	Cutler total field strength
#6. VLF-EM In-Phase Values	Annapolis Transmitter - facing east
#7. VLF-EM Quadrature	Annapolis Transmitter - facing east
#8. VLF-EM Field Strength	Annapolis total field strength

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
line 900									
3600	900	3600	57011	-6.6	1.3	50.4	-1.6	3.3	6.4
3612.5	900	3612.5	57007	-7.1	1.1	49.9	0.6	4.1	6.3
3625	900	3625	57011	-7.3	0.3	49.4	0.9	4.1	6.3
3637.5	900	3637.5	57009	-7.2	0.1	48.4	0.7	5.3	6.3
3650	900	3650	57022	-8.4	0.6	50.4	2.7	6.0	6.4
3662.5	900	3662.5	57017	-8.9	-1.2	49.0	2.5	5.7	6.4
3675	900	3675	57015	-9.2	-1.5	49.4	2.8	5.5	6.4

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
3687.5	900	3687.5	57014	-7.9	-0.4	49.9	5.0	5.1	6.4
3700	900	3700	57018	-9.0	-0.6	50.1	6.6	6.9	6.4
3712.5	900	3712.5	57016	-8.9	-0.2	49.9	6.1	6.7	6.5
3725	900	3725	57013	-7.6	0.6	51.8	7.3	7.3	6.5
3737.5	900	3737.5	57016	-5.2	2.7	51.1	9.7	8.0	6.4
3750	900	3750	57018	-4.7	3.3	50.0	9.5	7.6	6.3
3762.5	900	3762.5	57019	-3.1	4.9	49.5	9.1	7.6	6.2
3775	900	3775	57020	-2.3	5.5	49.5	10.2	7.5	6.2
3787.5	900	3787.5	57019	-2.4	5.5	48.8	8.9	6.5	6.2
3800	900	3800	57020	-1.1	5.9	48.6	8.2	6.5	6.3
3812.5	900	3812.5	57018	-2.0	5.7	47.3	6.5	5.9	6.2
3825	900	3825	57015	-1.6	6.1	46.2	5.3	2.8	6.3
3837.5	900	3837.5	57019	-3.1	5.0	45.6	5.5	3.7	6.2
3850	900	3850	57021	-5.0	3.9	46.1	6.5	3.4	6.1
3862.5	900	3862.5	57024	-6.2	3.1	46.5	6.3	3.5	6.2
3875	900	3875	57026	-7.8	2.3	46.6	5.0	2.9	6.1
3887.5	900	3887.5	57025	-7.6	2.6	47.4	5.2	3.1	6.2
3900	900	3900	57026	-7.1	2.6	47.1	4.5	2.2	6.2
3912.5	900	3912.5	57027	-7.8	2.6	47.3	4.5	2.0	6.2
3925	900	3925	57026	-9.7	1.7	48.0	4.2	2.4	6.3
3937.5	900	3937.5	57026	-8.0	3.6	48.1	4.6	2.5	6.3
3950	900	3950	57025	-9.0	3.0	47.8	3.6	1.2	6.4
3962.5	900	3962.5	57023	-9.2	2.9	48.2	3.0	0.8	6.4
3975	900	3975	57021	-8.7	2.8	48.7	3.1	0.8	6.4
3987.5	900	3987.5	57020	-6.9	3.6	45.2	4.3	1.3	5.1
4000	900	4000	57025	-3.2	4.9	44.1	6.7	4.4	5.2
4012.5	900	4012.5	57027	-6.0	2.2	43.4	2.3	2.2	5.2
4025	900	4025	57032	-6.6	-0.4	43.9	0.8	1.2	5.2
4037.5	900	4037.5	57030	-8.7	-0.5	43.7	-2.2	1.2	5.1
4050	900	4050	57032	-8.8	-0.6	43.7	-4.2	-0.4	5.2

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4062.5	900	4062.5	57030	-9.0	1.1	45.4	-5.4	-0.6	5.2
4075	900	4075	57029	-9.5	-2.0	42.8	-5.4	-0.3	4.7
4087.5	900	4087.5	57036	-10.4	-2.3	42.8	-6.0	-0.7	4.6
4100	900	4100	57038	-9.0	-1.6	42.8	-5.6	-0.2	4.6
4112.5	900	4112.5	57036	-7.8	-0.9	42.5	-5.3	-0.3	4.7
4125	900	4125	57035	-7.2	0.0	42.1	-7.9	-2.6	4.7
4137.5	900	4137.5	57040	-7.3	0.4	42.1	-7.8	-2.4	4.7
4150	900	4150	57034	-5.8	0.8	42.4	-9.8	-2.7	4.7
4162.5	900	4162.5	57033	-6.2	0.9	42.1	-9.3	-2.9	4.7
4175	900	4175	57037	-4.7	1.7	42.2	-8.2	-3.1	4.7
4187.5	900	4187.5	57043	-4.9	5.3	42.5	-7.5	-1.9	4.9
4200	900	4200	57036	-4.8	0.8	40.7	-8.3	-1.6	4.9
4212.5	900	4212.5	57035	-5.5	0.3	40.7	-8.6	-1.1	5.0
4225	900	4225	57035	-5.6	-0.9	41.0	-10.1	-1.9	5.1
4237.5	900	4237.5	57035	-4.9	-2.0	41.4	-10.9	-1.4	5.0
4250	900	4250	57037	-5.2	-3.3	41.8	-11.4	-1.1	5.1
4262.5	900	4262.5	57036	-5.3	-2.2	42.5	-10.3	-0.6	5.1
4275	900	4275	57033	-1.2	-2.0	42.8	-10.8	1.8	5.1
4287.5	900	4287.5	57035	-0.9	-3.0	42.8	-11.2	2.3	5.0
4300	900	4300	57037	-0.9	-5.0	43.4	-11.3	3.9	5.1
4312.5	900	4312.5	57037	-1.0	-4.0	43.4	-10.4	4.5	5.1
4325	900	4325	57038	0.2	-2.7	43.6	-11.3	4.9	5.1
4337.5	900	4337.5	57041	0.7	-0.8	43.5	-12.0	3.5	5.2
4350	900	4350	57040	0.4	0.0	42.6	-15.3	1.7	5.3
4362.5	900	4362.5	57035	-0.4	-0.6	42.6	-14.3	2.5	5.3
4375	900	4375	57033	0.5	0.2	42.7	-11.9	3.9	5.3
4387.5	900	4387.5	57035	2.1	1.6	43.0	-13.7	4.3	5.4
4400	900	4400	57034	1.4	1.8	42.4	-15.3	2.9	5.3
4412.5	900	4412.5	57035	-0.3	1.2	42.1	-15.4	3.0	5.4
4425	900	4425	57036	-2.1	0.9	43.2	-14.1	3.2	5.4

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4437.5	900	4437.5	57037	-0.2	2.1	44.1	-12.9	4.7	5.4
4450	900	4450	57036	1.6	5.1	43.4	-12.3	6.2	5.5
4462.5	900	4462.5	57039	2.0	4.8	43.5	-12.7	5.8	5.5
4475	900	4475	57040	0.6	4.6	43.6	-13.8	5.1	5.6
4487.5	900	4487.5	57038	1.3	5.6	43.4	-14.5	4.5	5.7
4500	900	4500	57038	1.3	5.1	43.0	-13.7	4.1	5.7
4512.5	900	4512.5	57039	0.8	4.9	43.3	-14.3	4.6	5.8
4525	900	4525	57041	1.0	4.0	43.3	-17.6	2.1	5.8
4537.5	900	4537.5	57039	0.1	3.4	43.8	-18.0	1.6	5.7
4550	900	4550	57040	0.7	3.8	43.5	-20.1	0.8	5.8
4562.5	900	4562.5	57041	2.8	3.9	44.2	-19.2	0.2	5.8
4575	900	4575	57042	2.6	4.4	43.0	-19.4	-0.6	5.9
4587.5	900	4587.5	57041	1.8	3.3	42.3	-18.6	-0.8	5.9
4600	900	4600	57042	2.1	4.0	43.6	-18.4	-0.4	6.0
line 1050									
3600	1050	3600	57010	-4.4	-0.8	46.6	-2.5	7.7	7.8
3612.5	1050	3612.5	57009	-6.9	-2.1	45.1	-1.8	7.2	7.8
3625	1050	3625	57014	-8.3	-2.7	45.7	-0.7	7.5	7.8
3637.5	1050	3637.5	57009	-10.8	-3.9	47.9	-0.5	7.2	7.8
3650	1050	3650	57012	-11.0	-4.0	48.2	-1.7	6.9	7.8
3662.5	1050	3662.5	57015	-10.0	-3.4	49.1	-0.9	6.6	7.8
3675	1050	3675	57015	-10.2	-2.9	47.9	-0.9	6.3	7.8
3687.5	1050	3687.5	57015	-8.9	-1.8	48.4	-0.3	6.1	7.8
3700	1050	3700	57016	-7.9	-0.5	48.6	-0.7	5.6	7.9
3712.5	1050	3712.5	57017	-5.7	1.3	48.6	-0.4	4.4	7.8
3725	1050	3725	57020	-6.6	2.0	48.5	-1.4	4.4	7.8
3737.5	1050	3737.5	57017	-6.5	3.0	48.3	-2.1	5.1	7.7
3750	1050	3750	57017	-5.8	3.2	48.6	-3.0	4.0	7.7
3762.5	1050	3762.5	57017	-6.8	3.1	48.5	-2.8	3.8	7.8
3775	1050	3775	57017	-7.0	2.4	48.5	-4.6	3.7	7.8

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
3787.5	1050	3787.5	57016	-6.8	2.4	48.0	-5.6	4.1	7.6
3800	1050	3800	57015	-4.8	2.8	49.7	-4.2	4.4	7.6
3812.5	1050	3812.5	57019	-3.7	3.6	49.2	-2.8	4.5	7.6
3825	1050	3825	57017	-3.4	2.9	50.7	-3.2	4.8	7.6
3837.5	1050	3837.5	57015	-1.3	4.2	48.5	-2.0	4.7	7.7
3850	1050	3850	57015	-1.4	4.1	48.7	-3.7	3.8	7.7
3862.5	1050	3862.5	57014	-3.1	2.7	49.4	-4.9	3.0	7.7
3875	1050	3875	57014	-4.8	2.2	49.8	-7.0	2.0	7.7
3887.5	1050	3887.5	57015	-1.8	3.6	48.1	-6.7	2.2	7.5
3900	1050	3900	57021	-3.2	2.0	49.1	-7.6	1.3	7.5
3912.5	1050	3912.5	57020	-4.3	2.7	48.1	-5.5	1.6	7.6
3925	1050	3925	57019	-4.0	2.3	49.5	-5.7	1.4	7.5
3937.5	1050	3937.5	57016	-5.6	1.3	49.0	-8.7	0.4	7.5
3950	1050	3950	57013	-7.5	0.3	50.1	-7.7	0.5	7.5
3962.5	1050	3962.5	57017	-8.4	-0.5	50.4	-7.4	0.7	7.5
3975	1050	3975	57020	-9.5	-0.3	50.5	-6.7	0.8	7.6
3987.5	1050	3987.5	57026	-10.8	-1.0	49.4	-6.5	0.0	7.6
4000	1050	4000	57022	-10.4	-0.6	50.3	-6.0	0.3	7.7
4012.5	1050	4012.5	57022	-8.7	1.3	50.7	-5.3	-0.2	7.7
4025	1050	4025	57022	-8.6	0.8	50.4	-6.0	-0.6	7.7
4037.5	1050	4037.5	57026	-8.7	0.4	50.3	-3.9	0.5	7.7
4050	1050	4050	57026	-8.7	-0.3	50.0	-3.9	0.2	7.7
4062.5	1050	4062.5	57028	-9.4	-1.4	50.6	-4.2	0.1	7.7
4075	1050	4075	57022	-8.1	-0.8	50.6	-5.0	-0.3	7.7
4087.5	1050	4087.5	57024	-8.5	-2.1	50.9	-4.4	-1.3	7.6
4100	1050	4100	57030	-9.3	-2.4	51.0	-5.5	-1.7	7.6
4112.5	1050	4112.5	57029	-8.9	-1.8	50.7	-6.2	-1.4	7.6
4125	1050	4125	57029	-7.5	-1.0	51.6	-4.1	-0.7	7.6
4137.5	1050	4137.5	57031	-7.5	-0.8	51.8	-4.4	-1.0	7.7
4150	1050	4150	57031	-7.0	-0.1	52.1	-3.8	-1.0	7.8

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4162.5	1050	4162.5	57029	-5.6	1.2	52.3	-4.5	-1.1	7.8
4175	1050	4175	57029	-4.6	2.2	52.2	-4.3	-1.8	7.8
4187.5	1050	4187.5	57028	-4.8	2.5	51.8	-5.0	-2.2	7.8
4200	1050	4200	57027	-6.2	1.6	51.2	-5.5	-2.3	7.7
4212.5	1050	4212.5	57032	-6.5	0.8	51.3	-6.6	-2.6	7.7
4225	1050	4225	57034	-6.2	0.6	54.2	-8.5	-3.5	7.6
4237.5	1050	4237.5	57031	-3.9	2.1	52.1	-8.9	-3.3	7.6
4250	1050	4250	57034	-4.7	1.8	54.0	-11.4	-2.0	7.7
4262.5	1050	4262.5	57036	-2.1	2.2	54.2	-13.2	-2.3	7.7
4275	1050	4275	57032	-1.3	3.2	53.4	-13.9	-1.7	7.7
4287.5	1050	4287.5	57030	0.9	2.3	52.3	-15.0	-2.4	7.7
4300	1050	4300	57030	0.0	3.3	50.5	-14.8	-1.6	7.6
4312.5	1050	4312.5	57034	-1.7	0.7	49.5	-15.0	-1.3	7.6
4325	1050	4325	57033	-0.3	0.7	49.0	-16.1	-1.3	7.6
4337.5	1050	4337.5	57028	-5.3	-5.9	49.9	-19.7	-2.3	7.6
4350	1050	4350	57031	-6.5	-7.0	49.9	-21.7	-2.9	7.7
4362.5	1050	4362.5	57033	-6.3	-7.4	50.0	-19.1	-1.8	7.8
4375	1050	4375	57040	-4.3	-6.0	50.8	-16.5	-0.8	7.9
4387.5	1050	4387.5	57036	-3.5	-4.9	53.4	-15.2	-0.1	7.9
4400	1050	4400	57039	-1.5	-3.2	50.8	-14.0	0.5	7.8
4412.5	1050	4412.5	57040	2.5	-0.2	51.6	-12.7	0.4	7.8
4425	1050	4425	57036	5.4	2.7	51.4	-11.8	0.6	7.9
4437.5	1050	4437.5	57036	8.0	5.1	50.5	-11.5	0.9	7.9
4450	1050	4450	57035	8.7	6.2	49.3	-11.8	0.9	7.9
4462.5	1050	4462.5	57034	8.7	2.7	49.5	-13.0	-0.1	7.9
4475	1050	4475	57031	8.5	2.7	48.8	-14.1	-0.4	7.8
4487.5	1050	4487.5	57033	6.4	0.3	47.5	-13.2	-0.5	8.0
4500	1050	4500	57035	4.2	-1.3	47.5	-13.5	-0.6	8.0
4512.5	1050	4512.5	57032	3.5	-1.3	47.6	-13.8	-1.6	8.0
4525	1050	4525	57035	5.3	-0.7	46.7	-12.8	-1.1	7.9

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4537.5	1050	4537.5	57039	1.8	-3.2	42.9	-14.3	-3.5	7.9
4550	1050	4550	57038	1.6	-4.4	43.4	-14.0	-4.6	7.9
4562.5	1050	4562.5	57036	-0.6	-5.6	43.3	-15.6	-4.4	7.8
4575	1050	4575	57040	0.0	-5.7	43.4	-14.2	-4.9	7.8
4587.5	1050	4587.5	57039	0.9	-6.2	44.1	-14.7	-6.1	7.7
4600	1050	4600	57038	-0.1	-6.8	42.3	-15.6	-7.1	7.7
4612.5	1050	4612.5	57043	-2.2	-7.9	44.5	-15.3	-6.8	7.6
4625	1050	4625	57042	-2.4	-7.4	44.3	-16.3	-7.5	7.6
4637.5	1050	4637.5	57042	-2.8	-8.1	44.6	-15.5	-8.1	7.6
4650	1050	4650	57042	-2.9	-7.7	42.7	-16.4	-8.4	7.5
4662.5	1050	4662.5	57043	-3.8	-7.5	45.3	-16.9	-8.9	7.0
4675	1050	4675	57042	-3.4	-8.1	44.0	-17.3	-8.9	6.9
4687.5	1050	4687.5	57042	-3.4	-6.3	45.5	-17.1	-7.6	6.9
4700	1050	4700	57049	-3.4	-6.0	45.8	-19.9	-7.8	6.7
line 1300									
3600	1300	3600	57016	5.6	-1.9	3.5	1.1	-2.3	3.6
3612.5	1300	3612.5	57017	3.3	-2.7	3.5	0.9	-1.1	3.6
3625	1300	3625	57016	2.7	-3.1	3.6	-0.1	-2.5	3.5
3637.5	1300	3637.5	57013	4.9	-1.7	3.6	0.9	-2.2	3.6
3650	1300	3650	57017	6.4	-1.9	3.6	2.3	-1.8	3.3
3662.5	1300	3662.5	57019	5.7	-1.8	3.6	0.4	-2.8	3.4
3675	1300	3675	57022	2.7	-3.3	3.3	-1.2	-3.4	3.3
3687.5	1300	3687.5	57020	0.5	-5.3	3.6	-3.2	-3.0	3.1
3700	1300	3700	57021	-1.3	-7.7	3.4	-4.4	-3.5	3.0
3712.5	1300	3712.5	57014	-2.2	-7.4	3.4	-4.2	-5.7	3.2
3725	1300	3725	57015	-0.4	-6.2	3.5	-2.8	-4.9	2.8
3737.5	1300	3737.5	57018	2.9	-4.9	3.4	-1.9	-1.7	2.8
3750	1300	3750	57020	3.3	-1.9	3.4	-0.2	-0.1	2.7
3762.5	1300	3762.5	57015	3.2	-1.5	3.5	1.3	1.2	2.6
3775	1300	3775	57014	5.1	-2.8	3.6	1.4	2.0	2.7

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
3787.5	1300	3787.5	57019	4.1	0.5	3.6	1.0	2.5	2.6
3800	1300	3800	57019	4.9	1.0	3.8	1.9	4.9	2.5
3812.5	1300	3812.5	57020	5.7	0.2	3.5	1.7	3.8	2.4
3825	1300	3825	57019	3.1	1.8	3.7	3.3	3.3	2.8
3837.5	1300	3837.5	57018	-0.4	0.0	3.7	-0.4	2.7	2.5
3850	1300	3850	57014	-1.0	-0.8	4.2	-3.6	3.5	2.5
3862.5	1300	3862.5	57013	-1.3	0.0	4.1	-2.4	2.1	2.4
3875	1300	3875	57015	-4.3	-0.1	4.0	-5.1	4.2	2.6
3887.5	1300	3887.5	57019	-5.5	-1.0	4.0	-4.4	3.3	2.4
3900	1300	3900	57018	-2.9	0.6	4.1	-2.4	3.9	2.4
3912.5	1300	3912.5	57023	-2.2	1.3	4.0	-4.1	4.0	2.4
3925	1300	3925	57018	-3.8	1.3	4.0	-4.3	3.0	2.5
3937.5	1300	3937.5	57036	-5.6	-1.1	4.2	-6.7	0.4	2.6
3950	1300	3950	57018	-2.8	0.1	4.2	-3.8	1.6	2.5
3962.5	1300	3962.5	57021	-1.5	0.4	4.2	-4.4	3.1	2.4
3975	1300	3975	57022	0.0	1.0	4.2	-4.0	2.3	2.4
3987.5	1300	3987.5	57021	0.7	1.9	4.2	-3.1	2.4	2.4
4000	1300	4000	57025	1.7	1.4	4.2	-4.0	3.5	2.4
4012.5	1300	4012.5	57024	1.8	0.8	4.3	-4.7	3.1	2.5
4025	1300	4025	57026	1.8	0.3	4.2	-4.5	0.8	2.4
4037.5	1300	4037.5	57026	2.0	0.7	4.2	-5.1	1.6	2.6
4050	1300	4050	57031	0.0	-2.0	4.3	-4.8	0.0	2.6
4062.5	1300	4062.5	57030	1.2	-1.1	4.3	-5.0	-0.3	2.7
4075	1300	4075	57034	1.2	-2.0	4.4	-4.5	-0.5	2.6
4087.5	1300	4087.5	57032	0.0	-2.9	4.3	-6.3	0.8	2.5
4100	1300	4100	57029	-0.6	-1.6	4.4	-6.2	0.1	2.6
4112.5	1300	4112.5	57032	-2.2	-2.8	4.3	-7.6	-0.5	2.6
4125	1300	4125	57032	-0.6	-2.6	4.4	-5.9	0.4	2.6
4137.5	1300	4137.5	57036	-1.6	-2.2	4.3	-5.7	0.1	2.6
4150	1300	4150	57034	-1.2	-2.8	4.2	-9.1	-1.1	2.7

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4162.5	1300	4162.5	57033	-4.4	-5.3	4.2	-10.4	-1.0	2.7
4175	1300	4175	57033	-4.3	-5.4	4.4	-9.9	-1.8	2.8
4187.5	1300	4187.5	57034	-4.2	-5.9	4.4	-8.7	-2.5	2.9
4200	1300	4200	57035	-4.5	-6.1	4.5	-9.1	-1.3	2.9
4212.5	1300	4212.5	57037	-5.0	-5.3	4.5	-10.5	-2.7	3.3
4225	1300	4225	57037	-5.4	-6.0	4.5	-10.6	-0.4	3.1
4237.5	1300	4237.5	57030	-6.1	-4.9	4.4	-10.2	-1.3	3.1
4250	1300	4250	57035	-7.7	-5.4	4.3	-11.9	-1.7	3.1
4262.5	1300	4262.5	57032	-9.1	-7.6	4.4	-12.2	-1.5	3.3
4275	1300	4275	57036	-11.8	-6.4	4.4	-18.9	-6.1	3.0
4287.5	1300	4287.5	57033	-11.8	-8.2	4.3	-13.4	-2.4	3.2
4300	1300	4300	57034	-11.6	-6.1	4.3	-11.3	-3.1	3.3
4312.5	1300	4312.5	57030	-10.2	-4.6	4.3	-8.2	-3.1	3.4
4325	1300	4325	57031	-10.9	-5.2	4.4	-8.5	-2.2	3.6
4337.5	1300	4337.5	57035	-8.7	-5.3	4.4	-8.5	-3.3	3.5
4350	1300	4350	57038	-7.8	-4.3	4.3	-4.7	-2.9	3.6
4362.5	1300	4362.5	57042	-5.1	-3.9	4.2	-4.1	-3.2	3.5
4375	1300	4375	57038	-6.8	-7.3	4.3	-4.0	-2.9	3.7
4387.5	1300	4387.5	57044	-3.8	-3.5	4.4	-1.5	-1.9	3.6
4400	1300	4400	57052	-3.4	-3.9	4.5	-1.9	-2.1	3.8
4412.5	1300	4412.5	57043	-5.5	-1.2	4.2	-1.6	-1.4	3.9
4425	1300	4425	57042	-4.6	-2.9	4.2	-1.5	-1.5	3.8
4437.5	1300	4437.5	57041	-3.2	-4.2	4.2	-1.2	-1.6	4.0
4450	1300	4450	57035	-1.8	-2.7	4.2	1.2	-1.0	4.0
4462.5	1300	4462.5	57034	-0.2	-2.6	4.2	2.2	-1.2	4.0
4475	1300	4475	57036	-0.8	-3.3	4.3	3.2	-2.4	4.0
4487.5	1300	4487.5	57033	1.0	-2.9	4.3	4.0	-1.5	4.0
4500	1300	4500	57034	1.3	-3.2	4.3	3.7	-1.9	4.0
4512.5	1300	4512.5	57038	1.8	-3.4	4.4	4.2	-1.7	4.2
4525	1300	4525	57036	1.2	-2.2	4.4	3.0	-1.4	4.3

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4537.5	1300	4537.5	57040	1.6	-3.1	4.2	2.7	-1.7	4.1
4550	1300	4550	57036	1.3	-3.5	4.3	2.1	-1.6	4.3
4562.5	1300	4562.5	57038	2.0	-3.8	4.3	2.7	-1.0	4.2
4575	1300	4575	57034	3.0	-3.6	4.2	2.8	-1.1	4.2
4587.5	1300	4587.5	57036	1.3	-4.0	4.3	0.0	-2.3	4.3
4600	1300	4600	57038	1.2	-2.1	4.3	1.6	-2.7	4.4
4612.5	1300	4612.5	57036	2.3	-2.0	4.3	0.0	-1.5	4.5
4625	1300	4625	57041	1.1	-0.9	4.4	1.1	-0.4	4.7
4637.5	1300	4637.5	57043	2.6	-0.4	4.5	2.4	0.2	4.8
4650	1300	4650	57038	1.6	0.1	4.7	1.8	0.5	4.7
4662.5	1300	4662.5	57040	1.6	0.1	4.5	1.2	0.3	4.9
4675	1300	4675	57039	-0.2	0.7	4.5	0.3	1.1	4.9
4687.5	1300	4687.5	57038	0.1	0.2	4.6	0.4	1.2	5.0
4700	1300	4700	57039	2.2	1.2	4.8	2.2	1.2	5.3
4712.5	1300	4712.5	57038	1.3	0.2	4.8	0.6	1.6	5.3
4725	1300	4725	57042	-0.5	0.8	5.0	-0.3	0.7	5.6
4737.5	1300	4737.5	57040	-3.3	-0.7	5.2	-1.8	-0.4	5.8
4750	1300	4750	57042	-0.1	2.1	5.2	0.1	1.7	5.9
line 1500									
3600	1500	3600	57009	7.8	3.2	3.4	-5.6	2.3	2.6
3612.5	1500	3612.5	57008	16.2	4.5	3.5	1.7	4.7	2.6
3625	1500	3625	57013	16.5	4.7	3.7	4.9	4.1	2.8
3637.5	1500	3637.5	57015	15.6	2.7	3.6	3.9	1.6	2.7
3650	1500	3650	57012	12.0	2.8	3.6	0.6	3.2	2.7
3662.5	1500	3662.5	57013	11.6	1.5	3.6	4.7	4.3	2.6
3675	1500	3675	57013	8.1	0.2	3.6	0.3	3.1	2.6
3687.5	1500	3687.5	57004	2.7	1.0	3.6	-4.8	3.5	2.6
3700	1500	3700	57008	8.8	-0.8	3.7	3.0	3.3	2.6
3712.5	1500	3712.5	57008	6.4	-0.8	3.7	-1.5	3.8	2.6
3725	1500	3725	57007	6.5	0.3	3.9	-1.9	3.1	2.5

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
3737.5	1500	3737.5	57008	2.7	-0.5	3.9	-5.3	3.8	2.5
3750	1500	3750	57008	6.6	-0.9	4.0	-2.0	3.6	2.6
3762.5	1500	3762.5	57010	6.3	-2.7	4.0	-1.4	0.2	2.5
3775	1500	3775	57014	8.5	-2.4	4.1	-0.4	0.8	2.5
3787.5	1500	3787.5	57012	4.1	-4.2	4.0	-2.6	-0.5	2.5
3800	1500	3800	57014	5.9	-3.3	3.9	-2.1	1.6	2.5
3812.5	1500	3812.5	57018	6.1	-1.4	3.9	-3.1	2.1	2.6
3825	1500	3825	57017	6.9	-0.3	4.0	0.0	1.3	2.5
3837.5	1500	3837.5	57014	6.3	0.1	3.9	-2.8	3.1	2.5
3850	1500	3850	57014	5.2	0.5	4.0	-3.1	2.6	2.5
3862.5	1500	3862.5	57013	1.5	-0.4	4.0	-5.8	2.8	2.5
3875	1500	3875	57013	-1.0	-0.6	4.0	-8.1	1.3	2.5
3887.5	1500	3887.5	57010	0.2	-1.9	4.1	-5.4	0.9	2.6
3900	1500	3900	57022	0.1	-2.8	4.2	-6.2	-1.0	2.6
3912.5	1500	3912.5	57011	-1.4	-2.2	4.3	-9.2	0.0	2.7
3925	1500	3925	57014	2.3	-1.0	4.4	-5.7	0.4	2.7
3937.5	1500	3937.5	57013	0.0	-1.8	4.5	-9.4	-0.2	2.7
3950	1500	3950	57012	3.8	0.1	4.3	-6.2	1.0	2.7
3962.5	1500	3962.5	57015	3.7	1.0	4.3	-7.3	1.7	2.6
3975	1500	3975	57012	4.7	2.4	4.2	-7.2	2.3	2.6
3987.5	1500	3987.5	57013	4.8	1.4	4.2	-6.2	1.1	2.7
4000	1500	4000	57015	4.3	0.7	4.2	-9.9	1.3	2.6
4012.5	1500	4012.5	57018	6.1	0.4	4.2	-6.6	0.8	2.7
4025	1500	4025	57017	2.4	-0.3	4.1	-9.2	1.0	2.7
4037.5	1500	4037.5	57023	0.9	0.6	4.2	-13.0	1.1	2.9
4050	1500	4050	57019	3.6	0.3	4.2	-11.4	1.3	2.8
4062.5	1500	4062.5	57018	1.4	0.6	4.2	-12.6	2.3	2.7
4075	1500	4075	57019	2.4	0.3	4.3	-11.6	1.8	2.8
4087.5	1500	4087.5	57020	6.7	0.6	4.3	-9.2	0.0	2.8
4100	1500	4100	57016	1.9	-3.0	4.4	-11.9	-1.1	3.0

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4112.5	1500	4112.5	57019	0.4	-1.6	4.3	-12.8	0.7	2.9
4125	1500	4125	57024	2.0	-1.0	4.1	-9.7	-0.4	3.0
4137.5	1500	4137.5	57022	-2.7	-0.3	4.2	-13.4	1.3	3.0
4150	1500	4150	57024	4.7	0.9	4.2	-7.1	1.7	2.9
4162.5	1500	4162.5	57024	6.7	-0.4	4.3	-6.1	1.4	3.0
4175	1500	4175	57026	6.8	-2.1	4.4	-4.8	-0.4	3.0
4187.5	1500	4187.5	57032	1.8	-2.3	4.4	-8.4	-0.5	3.1
4200	1500	4200	57031	-0.3	-3.5	4.3	-8.7	-0.7	3.3
4212.5	1500	4212.5	57029	1.8	-4.3	4.3	-8.8	-2.1	3.3
4225	1500	4225	57028	2.0	-5.1	4.2	-7.3	-3.4	3.2
4237.5	1500	4237.5	57026	-2.3	-6.7	4.2	-11.3	-2.9	3.3
4250	1500	4250	57024	1.0	-6.3	4.2	-8.0	-2.8	3.3
4262.5	1500	4262.5	57030	-0.6	-6.6	4.2	-8.0	-2.0	3.3
4275	1500	4275	57027	-1.3	-6.8	4.1	-9.9	-2.1	3.4
4287.5	1500	4287.5	57029	2.1	-6.5	4.1	-4.7	-1.6	3.4
4300	1500	4300	57031	-0.2	-6.6	4.2	-8.0	-2.3	3.5
4312.5	1500	4312.5	57032	4.7	-6.1	4.0	1.2	-3.1	3.4
4325	1500	4325	57028	2.7	-5.2	3.9	-1.9	-3.3	3.5
4337.5	1500	4337.5	57028	3.1	-5.5	4.0	-1.3	-2.0	3.5
4350	1500	4350	57027	-2.9	-4.5	4.0	-6.1	-2.6	3.7
4362.5	1500	4362.5	57025	1.2	-6.0	4.0	-2.2	-2.9	3.6
4375	1500	4375	57028	-5.9	-6.0	4.0	-12.6	-1.7	3.6
4387.5	1500	4387.5	57027	-4.0	-4.1	4.0	-4.8	-0.4	3.7
4400	1500	4400	57027	-6.2	-2.4	4.0	-6.0	0.0	3.7
4412.5	1500	4412.5	57029	-8.6	-6.3	4.1	-10.2	-2.4	4.0
4425	1500	4425	57026	-5.6	-6.3	4.1	-7.5	-3.1	4.1
4437.5	1500	4437.5	57027	-10.8	-6.4	4.1	-14.4	-4.9	4.2
4450	1500	4450	57029	-5.6	-6.5	4.1	-6.0	-4.4	4.3
4462.5	1500	4462.5	57031	-7.6	-6.2	4.1	-7.8	-3.1	4.3
4475	1500	4475	57031	-3.7	-4.6	4.1	-3.7	-3.5	4.2

Easting	Northing	# 1.	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
4487.5	1500	4487.5	57032	-5.6	-4.0	4.0	-4.9	-1.8	4.4
4500	1500	4500	57027	-14.0	-4.3	4.0	-15.9	-2.7	4.5
4512.5	1500	4512.5	57028	-11.2	-2.0	4.0	-12.4	-0.5	4.5
4525	1500	4525	57028	-6.4	-1.4	4.0	-7.1	-0.4	4.5
4537.5	1500	4537.5	57025	5.8	-1.5	4.0	4.1	0.2	4.7
4550	1500	4550	57025	1.6	0.0	4.0	-1.4	-0.3	4.8
4562.5	1500	4562.5	57026	-2.7	-1.3	4.0	-6.7	-0.4	4.8
4575	1500	4575	57032	7.0	-1.5	4.0	4.8	0.0	5.0
4587.5	1500	4587.5	57029	3.0	-1.1	4.1	0.1	-0.3	5.1
4600	1500	4600	57030	-4.5	-1.7	4.2	-7.5	-1.1	5.2
4612.5	1500	4612.5	57030	-4.8	-2.6	4.2	-10.2	-1.4	5.3
4625	1500	4625	57025	1.6	0.0	4.2	-2.9	0.3	5.6
4637.5	1500	4637.5	57028	5.2	0.1	4.4	0.4	0.7	5.7
4650	1500	4650	57037	5.2	-1.3	4.4	2.3	0.3	5.8
4662.5	1500	4662.5	57033	3.2	-0.6	4.4	0.0	-0.1	5.8
4675	1500	4675	57034	5.2	-2.9	4.4	0.8	-1.2	5.9
4687.5	1500	4687.5	57036	4.6	-2.3	4.3	0.0	-0.7	5.9
4700	1500	4700	57037	4.5	-2.5	4.5	-0.8	-1.0	6.0
4712.5	1500	4712.5	57038	3.9	-3.9	4.5	-2.0	-2.0	6.1
4725	1500	4725	57036	0.2	-5.5	4.5	-3.6	-3.3	6.2
4737.5	1500	4737.5	57038	0.7	-5.5	4.6	-4.8	-4.9	6.2
4750	1500	4750	57041	-2.0	-5.7	4.5	-4.5	-5.4	6.5

APPENDIX IV

DATA LISTING

WEST GRID

CANAMERA GEOLOGICAL LTD. Data Listing

Area: ESKAY CREEK, B.C. Current File Name: HAGSDATW.GPH
Grid: HAGS GROUP (West Grid) From File Name: HWZ.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	Cutler Transmitter - facing east
#4. VLF-EM Quadrature	Cutler Transmitter - facing east
#5. VLF-EM Field Strength	Cutler total field strength
#6. VLF-EM In-Phase Values	Annapolis Transmitter - facing east
#7. VLF-EM Quadrature	Annapolis Transmitter - facing east
#8. VLF-EM Field Strength	Annapolis total field strength

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.		
line 200											
575	200	537.5	56787	-14.7	-6.4	4.6	0.0	-7.6	1.4	2.45	0
587.5	200	550	56787	-16.4	-6.4	4.7	0.0	-10.3	1.7	2.62	0
600	200	600	56791	-14.4	-4.9	4.7	0.0	-6.4	0.9	2.45	0
612.5	200	612.5	56801	-13.0	-2.7	4.6	0.0	-7.5	3.0	2.36	0
625	200	625	56803	-10.8	-0.8	4.5	0.0	-4.5	3.2	2.32	0
637.5	200	637.5	56821	-11.4	0.1	4.5	0.0	-6.1	1.6	2.39	0
650	200	650	56812	-10.9	-0.2	4.7	0.0	-6.8	2.0	2.46	0

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
662.5	200	662.5	56821	-10.8	1.6	4.7	-3.8	2.1	2.62
675	200	675	56849	-11.1	-0.1	4.7	-4.4	1.4	2.63
687.5	200	687.5	56840	-8.0	2.5	4.7	-3.9	1.6	2.68
700	200	700	56840	-7.7	2.0	4.8	-2.1	1.9	2.72
712.5	200	712.5	56846	-8.9	1.1	4.8	-2.1	2.0	2.73
725	200	725	56881	-8.1	0.4	4.9	-2.3	0.9	2.73
737.5	200	737.5	56843	-8.3	0.5	4.9	-1.1	1.8	2.75
750	200	750	56842	-8.3	-0.6	4.8	-1.4	1.7	2.69
762.5	200	762.5	56844	-8.7	-0.8	4.8	-3.0	3.0	2.57
775	200	775	56844	-8.6	0.1	4.8	-4.1	1.9	2.58
787.5	200	787.5	56850	-9.7	1.0	4.9	-3.5	2.1	2.58
800	200	800	56851	-9.4	1.3	4.9	-4.4	0.2	2.64
812.5	200	812.5	56853	-9.9	1.2	5.0	-8.2	1.0	2.63
825	200	825	56857	-11.2	0.0	5.0	-8.8	0.8	2.71
837.5	200	837.5	56860	-9.5	1.9	5.0	-6.7	0.9	2.66
850	200	850	56864	-8.5	2.7	5.0	-7.7	1.1	2.73
862.5	200	862.5	56865	-3.8	3.0	5.0	-4.3	1.6	2.77
875	200	875	56866	-6.2	2.9	5.1	-5.6	0.4	2.78
887.5	200	887.5	56873	-9.4	0.3	5.1	-8.1	0.0	2.82
900	200	900	56873	-10.5	0.0	5.1	-7.9	0.1	2.83
912.5	200	912.5	56879	-12.6	0.3	5.1	-9.4	-1.0	2.86
925	200	925	56879	-14.2	-0.9	5.2	-8.7	0.3	2.87
937.5	200	937.5	56877	-17.0	-2.4	5.1	-10.7	0.0	2.93
950	200	950	56878	-19.2	-4.4	5.0	-12.5	-0.4	2.92
962.5	200	962.5	56877	-16.7	-2.3	5.0	-11.3	0.6	3.02
975	200	975	56884	-16.8	-1.9	4.9	-11.2	0.0	3.11
987.5	200	987.5	56885	-18.6	-4.3	4.9	-12.5	-0.9	3.22
1000	200	1000	56888	-16.6	-3.6	4.8	-12.3	0.0	3.16
1012.5	200	1012.5	56890	-15.5	-2.8	4.8	-10.8	-0.2	3.15
1025	200	1025	56888	-15.2	-2.5	4.8	-9.4	-0.7	3.32

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
1037.5	200	1037.5	56889	-11.9	-1.8	4.8	-7.6	0.0	3.23
1050	200	1050	56891	-12.4	-1.7	4.8	-8.4	0.2	3.25
1062.5	200	1062.5	56898	-11.6	-1.9	4.8	-6.7	0.4	3.38
1075	200	1075	56899	-9.5	-1.7	4.7	-6.4	0.4	3.25
1087.5	200	1087.5	56895	-7.2	-0.3	4.6	-4.2	1.0	3.33
1100	200	1100	56892	-6.6	1.2	4.7	-2.9	1.4	3.25
1112.5	200	1112.5	56897	-4.0	2.4	4.7	-2.0	1.7	3.33
1125	200	1125	56901	-4.9	0.6	4.8	-3.3	0.4	3.33
1137.5	200	1137.5	56907	-5.1	0.0	4.9	-3.3	0.5	3.42
1150	200	1150	56910	-6.2	0.2	4.9	-3.9	0.0	3.4
1162.5	200	1162.5	56917	-6.3	-1.1	5.1	-5.2	-0.2	3.47
1175	200	1175	56913	-5.6	-1.3	5.1	-4.8	-0.4	3.57
1187.5	200	1187.5	56918	-7.0	-2.6	5.3	-4.1	-1.4	3.59
1200	200	1200	56918	-8.5	-3.3	5.3	-5.8	-2.9	3.59
1212.5	200	1212.5	56916	-9.5	-4.7	5.3	-7.2	-4.0	3.58
1225	200	1225	56908	-6.4	-2.4	5.2	-5.0	-2.2	3.6
1237.5	200	1237.5	56906	-3.8	-1.6	5.3	-4.0	-1.9	3.72
line 400									
537.5	400	537.5	56740	-12.2	-8.3	5.8	-8.5	-1.7	3.22
550	400	550	56752	-11.9	-7.2	5.9	-8.8	-2.5	3.34
562.5	400	562.5	56846	-11.0	-8.3	5.9	-7.9	-3.0	3.37
575	400	575	56943	-11.3	-6.0	6.0	-9.4	-1.4	3.54
587.5	400	587.5	56913	-12.7	-6.8	6.1	-10.9	-2.8	3.64
600	400	600	56874	-13.7	-6.3	6.2	-10.0	-1.4	3.79
612.5	400	612.5	56885	-14.8	-5.7	6.3	-10.0	-0.7	3.86
625	400	625	56876	-15.8	-4.5	6.4	-10.0	-1.2	3.91
637.5	400	637.5	56867	-16.1	-5.5	6.3	-10.0	-1.0	3.95
650	400	650	56839	-17.4	-5.8	6.2	-9.7	-1.0	4.06
662.5	400	662.5	56818	-17.5	-4.9	6.0	-10.8	-1.4	4.05
675	400	675	56850	-18.9	-6.3	6.0	-10.7	-3.1	3.98

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
687.5	400	687.5	56873	-20.2	-5.6	6.0	-12.4	-1.6	3.96
700	400	700	56850	-22.3	-4.9	5.8	-12.9	-2.4	3.91
712.5	400	712.5	56824	-22.8	-4.6	5.8	-13.1	-3.4	3.99
725	400	725	56758	-22.9	-6.2	5.8	-14.0	-3.9	3.98
737.5	400	737.5	56772	-23.3	-4.3	5.7	-13.7	-3.9	3.88
750	400	750	56808	-21.9	-4.2	5.6	-14.0	-3.7	3.92
762.5	400	762.5	56802	-21.7	-3.2	5.7	-13.9	-2.5	4.05
775	400	775	56822	-22.2	-2.6	5.7	-16.5	-1.6	4.14
787.5	400	787.5	56811	-22.5	-2.8	5.8	-17.9	-2.0	4.29
800	400	800	56845	-22.1	-2.7	5.7	-18.3	-3.0	4.27
812.5	400	812.5	56820	-20.2	-0.4	5.6	-17.0	-1.1	4.29
825	400	825	56841	-17.2	0.4	5.6	-15.6	-0.3	4.38
837.5	400	837.5	56841	-16.7	0.9	5.6	-14.5	-0.5	4.36
850	400	850	56844	-15.4	1.0	5.7	-15.3	-0.3	4.38
862.5	400	862.5	56846	-14.6	1.2	5.7	-15.2	0.0	4.44
875	400	875	56852	-9.4	3.5	5.7	-11.2	2.1	4.5
887.5	400	887.5	56851	-4.0	6.8	5.7	-7.8	4.1	4.6
900	400	900	56855	1.5	9.2	5.9	-3.8	6.6	4.69
912.5	400	912.5	56865	0.8	9.2	6.3	-5.8	6.0	4.97
925	400	925	56868	-1.2	7.6	6.5	-6.4	5.2	5.01
937.5	400	937.5	56871	-1.9	6.5	6.7	-6.4	4.1	5.17
950	400	950	56873	-2.7	4.0	6.8	-3.8	3.6	5.42
962.5	400	962.5	56879	-1.8	3.9	6.9	-1.4	4.0	5.5
975	400	975	56880	-0.4	5.6	7.0	0.6	5.6	5.49
987.5	400	987.5	56884	-1.0	4.6	7.0	0.4	4.6	5.4
1000	400	1000	56887	-4.0	2.3	7.0	-3.7	2.2	5.44
1012.5	400	1012.5	56886	-3.0	3.1	7.0	-3.2	2.7	5.53
1025	400	1025	56888	-2.3	2.6	7.1	-2.9	2.2	5.55
1037.5	400	1037.5	56890	-3.3	2.4	7.1	-3.5	0.5	5.53
1050	400	1050	56893	-2.3	1.5	7.1	-3.2	0.0	5.58

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
1062.5	400	1062.5	56897	-3.0	0.8	7.2	-3.7	-0.5	5.64
1075	400	1075	56896	-3.5	-0.4	7.2	-3.2	-2.0	5.8
1087.5	400	1087.5	56900	-4.4	-1.9	7.2	-3.6	-2.8	5.84
1100	400	1100	56901	-4.5	-2.0	7.2	-3.2	-4.2	5.87
1112.5	400	1112.5	56905	-4.1	-3.9	7.2	-2.6	-5.7	5.83
1125	400	1125	56905	-4.2	-5.1	7.3	-1.1	-6.2	5.98
1137.5	400	1137.5	56908	-3.5	-5.3	7.3	-0.2	-5.3	5.92
1150	400	1150	56907	-3.7	-4.8	7.3	1.0	-4.9	5.94
1162.5	400	1162.5	56906	-2.4	-6.6	7.2	1.6	-5.6	5.83
1175	400	1175	56906	-4.3	-8.6	7.2	0.6	-8.6	5.85
1187.5	400	1187.5	56907	-5.6	-10.9	7.2	-1.2	-10.7	5.87
1200	400	1200	56901	-5.3	-10.3	7.3	-0.2	-10.2	5.93
1212.5	400	1212.5	56911	-4.9	-10.4	7.3	-0.7	-10.1	5.86
1225	400	1225	56908	-5.9	-11.1	7.2	-0.5	-11.4	5.78
1237.5	400	1237.5	56912	-7.6	-11.2	7.2	-0.4	-10.7	5.82
1250	400	1250	56914	-6.4	-12.8	7.1	-1.0	-12.0	5.73
1262.5	400	1262.5	56916	-7.9	-13.0	7.1	-0.8	-11.6	5.74
1275	400	1275	56915	-7.9	-12.7	7.0	-0.9	-11.6	5.51
1287.5	400	1287.5	56917	-8.3	-11.9	7.0	-2.1	-11.7	5.56
1300	400	1300	56917	-7.6	-12.4	6.9	-1.0	-11.7	5.67
1312.5	400	1312.5	56913	-7.6	-11.9	6.9	-0.7	-11.5	5.71
1325	400	1325	56911	-7.0	-10.6	7.0	-2.0	-11.6	5.715
line 0									
425	0	425	56775	-18.6	-9.7	11.1	-13.1	-11.3	6.3
437.5	0	437.5	56809	-14.4	-5.4	11.4	-12.3	-8.7	6.28
450	0	450	56818	-9.3	-3.1	11.4	-10.4	-5.6	6.3
462.5	0	462.5	56821	-9.8	-3.4	11.6	-10.1	-3.3	6.31
475	0	475	56796	-12.4	-4.2	11.8	-6.7	-1.4	6.22
487.5	0	487.5	56809	-10.1	-2.6	11.7	-7.8	-0.2	6.19
500	0	500	56808	-11.2	0.0	11.7	-7.5	0.4	6.08

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
512.5	0	512.5	56811	-11.6	-1.9	11.7	-7.3	-0.2	6.01
525	0	525	56817	-11.2	1.4	11.6	-8.3	1.8	5.88
537.5	0	537.5	56817	-11.3	2.0	11.7	-8.3	2.2	5.98
550	0	550	56823	-12.3	2.4	11.7	-9.1	4.1	5.97
562.5	0	562.5	56827	-13.7	5.4	11.6	-10.7	3.4	5.92
575	0	575	56834	-12.6	5.9	11.6	-10.2	3.6	5.97
587.5	0	587.5	56845	-12.1	2.0	11.4	-10.8	4.6	6.05
600	0	600	56847	-8.9	-1.3	11.6	-10.5	3.4	6.15
612.5	0	612.5	56851	-10.1	3.1	11.4	-10.0	3.6	6.22
625	0	625	56846	-6.3	0.6	11.4	-10.3	2.9	6.3
637.5	0	637.5	56858	-11.5	8.6	11.4	-10.2	1.7	6.16
650	0	650	56911	-4.4	-2.0	11.4	-7.0	2.5	6.16
662.5	0	662.5	56864	-3.8	8.2	11.4	-6.3	4.2	6.15
675	0	675	56848	-2.2	-0.8	11.6	-4.5	3.1	6.09
687.5	0	687.5	56857	-3.4	-1.4	11.9	-4.7	0.8	6.02
700	0	700	56867	-6.9	7.6	11.9	-6.1	0.0	6
712.5	0	712.5	56870	-7.2	-2.4	11.9	-5.8	-0.6	6.05
725	0	725	56880	-7.9	-2.9	11.7	-5.1	0.6	6.27
737.5	0	737.5	56937	-6.4	-1.8	11.8	-4.3	0.6	6.2
750	0	750	56875	-6.0	5.2	11.7	-2.6	2.1	6.27
762.5	0	762.5	56884	-5.8	4.8	11.8	-1.8	3.1	6.29
775	0	775	56875	-6.3	-0.7	12.3	-3.2	1.9	6.34
787.5	0	787.5	56877	-7.8	-1.9	12.3	-3.0	1.1	6.35
800	0	800	56880	-6.8	-0.1	12.0	-2.3	2.5	6.31
812.5	0	812.5	56881	-6.6	3.0	12.0	-1.5	2.8	6.24
825	0	825	56890	-4.7	6.8	12.2	-1.4	2.8	6.32
837.5	0	837.5	56897	-2.9	9.3	12.2	-1.7	2.8	6.15
850	0	850	56906	-1.9	10.7	12.4	-1.3	2.6	6.12
862.5	0	862.5	56905	-2.8	10.4	12.6	-3.5	0.6	6.13
875	0	875	56906	-3.6	10.2	12.5	-4.7	-0.2	6.07

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
887.5	0	887.5	56903	-3.6	5.5	12.3	-5.2	-2.0	6.13
900	0	900	56907	-4.0	7.2	12.2	-3.8	-0.9	6.17
912.5	0	912.5	56909	-1.5	8.2	12.3	-2.1	1.0	6.16
925	0	925	56906	0.1	7.5	12.2	-0.7	1.4	6.24
937.5	0	937.5	56909	0.0	5.9	12.2	0.1	1.5	6.23
950	0	950	56914	2.6	8.1	12.1	0.1	1.4	6.26
962.5	0	962.5	56918	4.6	9.8	12.2	0.0	2.2	6.18
975	0	975	56923	3.5	11.8	12.3	0.5	0.6	6.19
987.5	0	987.5	56921	4.5	9.0	12.4	1.1	1.5	6.18
1000	0	1000	56921	3.2	10.1	12.7	1.2	1.5	6.11
1012.5	0	1012.5	56925	4.2	9.5	12.8	2.9	1.5	6.15
1025	0	1025	56921	4.6	-3.9	12.9	2.5	1.0	6.03
1037.5	0	1037.5	56925	3.8	-3.8	12.9	1.9	0.1	6.1
1050	0	1050	56923	1.9	4.1	12.9	1.8	0.8	6.17
1062.5	0	1062.5	56931	2.9	6.0	12.9	2.2	1.3	6.18
1075	0	1075	56929	3.6	4.9	12.9	4.6	2.6	6.2
1087.5	0	1087.5	56924	3.3	3.8	13.0	5.5	3.7	6.16
1100	0	1100	56924	2.9	4.2	13.0	6.1	4.4	6.11
1112.5	0	1112.5	56921	3.5	-0.3	12.9	7.0	4.7	6.17
1125	0	1125	56927	2.7	3.0	12.9	7.7	5.0	6.13
1137.5	0	1137.5	56930	3.1	4.2	12.7	7.0	5.0	6.12
1150	0	1150	56925	2.6	6.5	12.7	7.2	5.6	6.13
1162.5	0	1162.5	56929	4.1	5.6	12.8	7.5	6.6	6.04
1175	0	1175	56923	4.0	5.4	13.0	9.3	8.4	6.02
1187.5	0	1187.5	56928	4.0	4.4	13.0	9.0	7.8	5.92
1200	0	1200	56925	3.2	1.3	13.0	8.8	5.7	5.86
1212.5	0	1212.5	56927	3.0	0.6	13.1	10.5	5.9	5.9
1225	0	1225	56932	2.9	0.9	13.0	10.2	4.5	6
1237.5	0	1237.5	56933	3.5	0.2	13.0	11.7	5.0	5.9
1250	0	1250	56930	3.9	0.0	12.9	10.3	4.9	5.79

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
1262.5	0	1262.5	56939	3.2	2.6	12.7	8.3	4.9	5.73
1275	0	1275	56936	4.7	2.7	12.9	7.7	5.4	5.72
1287.5	0	1287.5	56929	4.9	2.7	13.0	8.0	4.6	5.65
1300	0	1300	56933	5.7	1.3	13.1	6.5	5.1	5.61
1312.5	0	1312.5	56930	4.3	0.3	13.0	3.9	3.4	5.58
1325	0	1325	56935	3.2	0.0	13.3	1.7	3.5	5.57
1337.5	0	1337.5	56934	2.8	-0.2	13.4	0.9	3.9	5.54
1350	0	1350	56933	2.5	-0.8	13.6	-2.0	2.6	5.48
1362.5	0	1362.5	56935	-0.2	-1.1	13.8	-5.1	0.5	5.57
1375	0	1375							
line 100									
400	100	400	56762	-9.1	-23.9	12.1	-5.4	-2.1	6.79
412.5	100	412.5	56757	-12.2	-25.0	12.0	-9.8	-3.0	6.73
425	100	425	56762	-10.9	-27.1	11.7	-8.8	-3.3	6.72
437.5	100	437.5	56771	-9.9	-25.8	11.6	-8.1	-0.8	6.57
450	100	450	56774	-10.7	-25.3	11.6	-7.9	0.4	6.55
462.5	100	462.5	56788	-9.1	-20.0	11.6	-5.7	1.6	6.61
475	100	475	56792	-10.3	-18.7	11.6	-6.1	3.4	6.48
487.5	100	487.5	56798	-12.0	-16.3	11.6	-6.3	3.1	6.49
500	100	500	56802	-11.3	-14.7	11.4	-6.2	4.2	6.4
512.5	100	512.5	56816	-12.6	-14.2	11.6	-8.3	5.1	6.32
525	100	525	56812	-13.2	-16.2	11.7	-10.0	4.6	6.43
537.5	100	537.5	56816	-14.3	-13.4	11.8	-10.9	3.9	6.54
550	100	550	56824	-12.9	-13.3	12.0	-11.2	3.2	6.6
562.5	100	562.5	56829	-17.6	-14.6	11.8	-10.4	4.5	6.73
575	100	575	56833	-17.9	-12.8	11.7	-8.9	5.2	6.82
587.5	100	587.5	56835	-16.9	13.0	11.2	-8.8	4.3	6.75
600	100	600	56846	-15.7	-9.9	11.1	-9.6	3.2	6.72
612.5	100	612.5	56860	-11.8	-5.1	11.3	-8.2	3.3	6.72
625	100	625	56894	-9.9	-9.2	11.4	-8.4	2.8	6.69

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
637.5	100	637.5	56850	-10.1	-8.6	11.5	-8.3	1.5	6.58
650	100	650	56851	-10.1	12.6	11.7	-9.2	-0.8	6.54
662.5	100	662.5	56857	-12.0	-7.9	11.8	-8.4	-1.5	6.81
675	100	675	56866	-11.2	-7.3	12.1	-6.0	0.0	6.83
687.5	100	687.5	56879	-10.8	-13.8	12.3	-3.7	1.2	6.8
700	100	700	56874	-11.8	-14.3	12.1	-3.2	1.1	6.75
712.5	100	712.5	56864	-11.3	-14.4	11.7	-2.2	1.6	6.68
725	100	725	56861	-10.9	-11.2	11.6	-0.2	3.1	6.62
737.5	100	737.5	56856	-9.5	-9.0	11.8	1.0	4.0	6.61
750	100	750	56886	-8.8	-7.6	11.9	1.0	2.7	6.58
762.5	100	762.5	56904	-9.5	-8.0	12.0	-3.1	1.9	6.58
775	100	775	56913	-8.9	-8.4	11.9	-1.3	1.2	6.47
787.5	100	787.5	56903	-9.1	-6.8	11.8	-1.7	2.5	6.47
800	100	800	56858	-8.3	-4.0	11.6	-2.0	2.5	6.44
812.5	100	812.5	56879	-7.6	-3.3	11.7	-1.3	2.0	6.38
825	100	825	56882	-5.5	-1.1	11.8	-0.6	2.3	6.35
837.5	100	837.5	56884	-5.8	-2.8	11.9	-1.2	3.1	6.33
850	100	850	56885	-5.7	-1.4	11.9	-1.1	3.6	6.33
862.5	100	862.5	56888	-4.2	-1.8	12.0	0.5	4.1	6.41
875	100	875	56890	-4.5	-2.6	12.3	1.8	4.7	6.44
887.5	100	887.5	56892	-3.7	-4.9	12.1	1.8	5.2	6.46
900	100	900	56897	-3.2	-6.2	12.0	1.1	3.7	6.45
912.5	100	912.5	56892	-2.4	-5.0	11.8	2.3	3.2	6.42
925	100	925	56897	-1.0	-4.8	11.8	3.3	3.5	6.31
937.5	100	937.5	56898	-0.2	-1.4	11.7	2.0	2.1	6.35
950	100	950	56898	-0.5	-2.6	11.7	2.2	2.7	6.34
962.5	100	962.5	56901	-0.6	-1.7	11.9	2.5	1.9	6.41
975	100	975	56903	-0.6	-0.3	12.0	1.8	2.3	6.47
987.5	100	987.5	56906	0.0	-2.9	12.1	2.4	1.9	6.46
1000	100	1000	56908	0.2	-1.5	12.3	3.1	2.2	6.55

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
1012.5	100	1012.5	56905	-1.3	-5.4	12.4	3.3	3.1	6.56
1025	100	1025	56910	0.3	-3.6	12.5	4.9	3.1	6.53
1037.5	100	1037.5	56912	-0.1	-2.5	12.5	6.1	4.7	6.59
1050	100	1050	56913	0.1	-3.4	12.7	7.4	5.7	6.53
1062.5	100	1062.5	56913	1.8	-5.7	12.7	8.9	6.1	6.45
1075	100	1075	56912	0.6	-6.3	12.9	8.8	6.1	6.46
1087.5	100	1087.5	56913	0.0	-9.2	12.8	8.3	5.0	6.37
1100	100	1100	56914	-0.3	-10.4	12.8	8.3	3.9	6.4
1112.5	100	1112.5	56913	-1.1	-10.1	12.8	8.2	4.2	6.27
1125	100	1125	56912	-1.8	-9.4	12.5	7.3	4.5	6.28
1137.5	100	1137.5	56910	-2.3	-9.5	12.3	6.4	2.6	6.22
1150	100	1150	56899	0.4	-3.9	12.5	7.8	2.8	6.28
1162.5	100	1162.5	56904	1.6	-4.3	12.9	8.8	4.0	6.37
1175	100	1175	56903	0.0	-5.3	13.0	9.1	2.9	6.3
1187.5	100	1187.5	56912	-2.8	-6.7	12.8	4.9	0.4	6.18
1200	100	1200	56916	-1.4	-5.4	12.9	4.2	0.5	6.2
1212.5	100	1212.5	56926	-0.8	-4.6	13.2	5.4	0.2	6.3
1225	100	1225	56920	-0.8	-4.7	13.3	5.1	1.2	6.31
line 300									
550	300	550	56760	-27.2	-4.2	10.7	-24.6	-2.3	3.5
562.5	300	562.5	56761	-25.3	0.2	10.8	-28.0	-4.0	3.57
575	300	575	56766	-25.6	2.3	10.7	-30.7	-4.6	3.67
587.5	300	587.5	56766	-26.4	-0.1	10.9	-28.6	-2.8	3.56
600	300	600	56771	-26.7	0.6	11.1	-28.1	-2.7	3.54
612.5	300	612.5	56778	-30.2	-2.2	11.1	-25.6	0.0	3.67
625	300	625	56775	-31.7	-1.0	10.9	-21.2	2.0	3.72
637.5	300	637.5	56862	-33.6	-1.8	10.7	-16.8	1.6	3.71
650	300	650	56832	-33.0	-1.5	10.5	-16.5	1.7	3.7
662.5	300	662.5	56804	-25.0	-28.2	10.2	-12.4	0.3	3.76
675	300	675	56831	-32.6	0.6	10.2	-10.2	1.8	3.54

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
687.5	300	687.5	56839	-23.4	-28.0	10.0	-8.9	2.1	3.62
700	300	700	56798	-22.9	-25.7	9.9	-7.5	1.8	3.56
712.5	300	712.5	56788	-26.5	8.3	10.1	-6.1	2.6	3.43
725	300	725	56847	-21.7	-22.0	9.8	-5.2	2.2	3.35
737.5	300	737.5	56815	-20.7	-20.2	9.9	-5.6	1.5	3.32
750	300	750	56821	-20.0	-18.1	9.9	-7.7	0.0	3.29
762.5	300	762.5	56821	-18.9	-16.7	9.8	-6.8	0.3	3.24
775	300	775	56825	-17.7	-16.4	9.7	-8.2	0.0	3.14
787.5	300	787.5	56840	-17.2	-9.8	9.7	-9.9	0.8	3.32
800	300	800	56836	-16.0	8.6	9.8	-8.5	0.3	3.42
812.5	300	812.5	56854	-13.6	9.9	10.0	-10.6	0.7	3.41
825	300	825	56858	-13.7	-4.9	10.0	-10.7	-0.2	3.28
837.5	300	837.5	56849	-12.0	-2.8	10.2	-8.6	-0.6	3.22
850	300	850	56856	-8.7	0.3	10.4	-7.7	0.7	3.24
862.5	300	862.5	56859	-5.2	5.8	11.4	-5.4	0.5	3.36
875	300	875	56861	-6.0	2.3	11.8	-7.4	0.2	3.4
887.5	300	887.5	56863	-6.8	12.0	12.5	-14.5	-2.8	3.43
900	300	900	56868	-10.9	11.2	12.7	-16.4	-3.2	3.49
912.5	300	912.5	56873	-20.0	9.9	12.7	-20.9	-5.2	3.45
925	300	925	56873	-22.1	11.1	12.7	-19.4	-5.8	3.46
937.5	300	937.5	56870	-27.4	8.0	12.5	-22.2	-6.5	3.51
950	300	950	56876	-34.4	5.6	12.0	-24.5	-9.9	3.6
962.5	300	962.5	56882	-29.7	6.5	11.3	-19.4	-6.7	3.48
975	300	975	56883	-28.4	8.5	11.1	-18.0	-6.7	3.52
987.5	300	987.5	56885	-26.2	7.6	11.2	-16.9	-5.5	3.52
1000	300	1000	56888	-25.0	7.6	11.3	-16.9	-6.5	3.58
1012.5	300	1012.5	56892	-24.5	3.9	11.3	-14.7	-5.6	3.69
1025	300	1025	56891	-24.0	2.6	11.2	-14.6	-6.4	3.64
1037.5	300	1037.5	56891	-21.7	3.5	11.2	-14.0	-6.2	3.61
1050	300	1050	56894	-22.5	4.0	11.2	-15.8	-7.4	3.69

Easting	Northing	# 1. Station	# 2.	# 3.	# 4.	# 5.	# 6.	# 7.	# 8.
1062.5	300	1062.5	56897	-21.9	4.4	11.4	-12.5	-6.5	3.63
1075	300	1075	56896	-22.0	5.0	11.4	-14.4	-6.7	3.56
1087.5	300	1087.5	56893	-25.4	2.3	11.3	-14.2	-8.2	3.66
1100	300	1100	56893	-25.8	2.6	11.0	-13.2	-9.1	3.64
1112.5	300	1112.5	56894	-23.2	3.4	10.9	-12.5	-9.6	3.72
1125	300	1125	56898	-21.6	4.5	11.0	-12.1	-8.2	3.78
1137.5	300	1137.5	56902	-21.7	2.1	11.0	-11.1	-7.4	3.94
1150	300	1150	56899	-21.1	2.2	11.1	-9.6	-8.4	3.96
1162.5	300	1162.5	56901	-14.2	-23.0	11.0	-9.9	-9.2	4
1175	300	1175	56900	-15.8	-14.7	10.9	-8.8	-9.4	4.08
1187.5	300	1187.5	56902	-17.6	0.1	11.0	-5.8	-7.4	4.26
1200	300	1200	56900	-16.9	-1.2	11.0	-4.8	-6.2	4.29
1212.5	300	1212.5	56899	-9.7	-16.3	10.6	-1.0	-6.7	4.26
1225	300	1225	56900	-8.3	-14.8	10.5	-1.4	-6.4	4.26
1237.5	300	1237.5	56908	-4.5	-12.1	10.7	2.9	-4.5	4.29
1250	300	1250	56919	-2.9	-11.9	10.7	5.0	-2.3	4.35
1262.5	300	1262.5	56922	-1.3	-10.4	10.8	7.3	-3.4	4.46
1275	300	1275	56927	0.5	-9.7	10.8	8.0	-2.5	4.43

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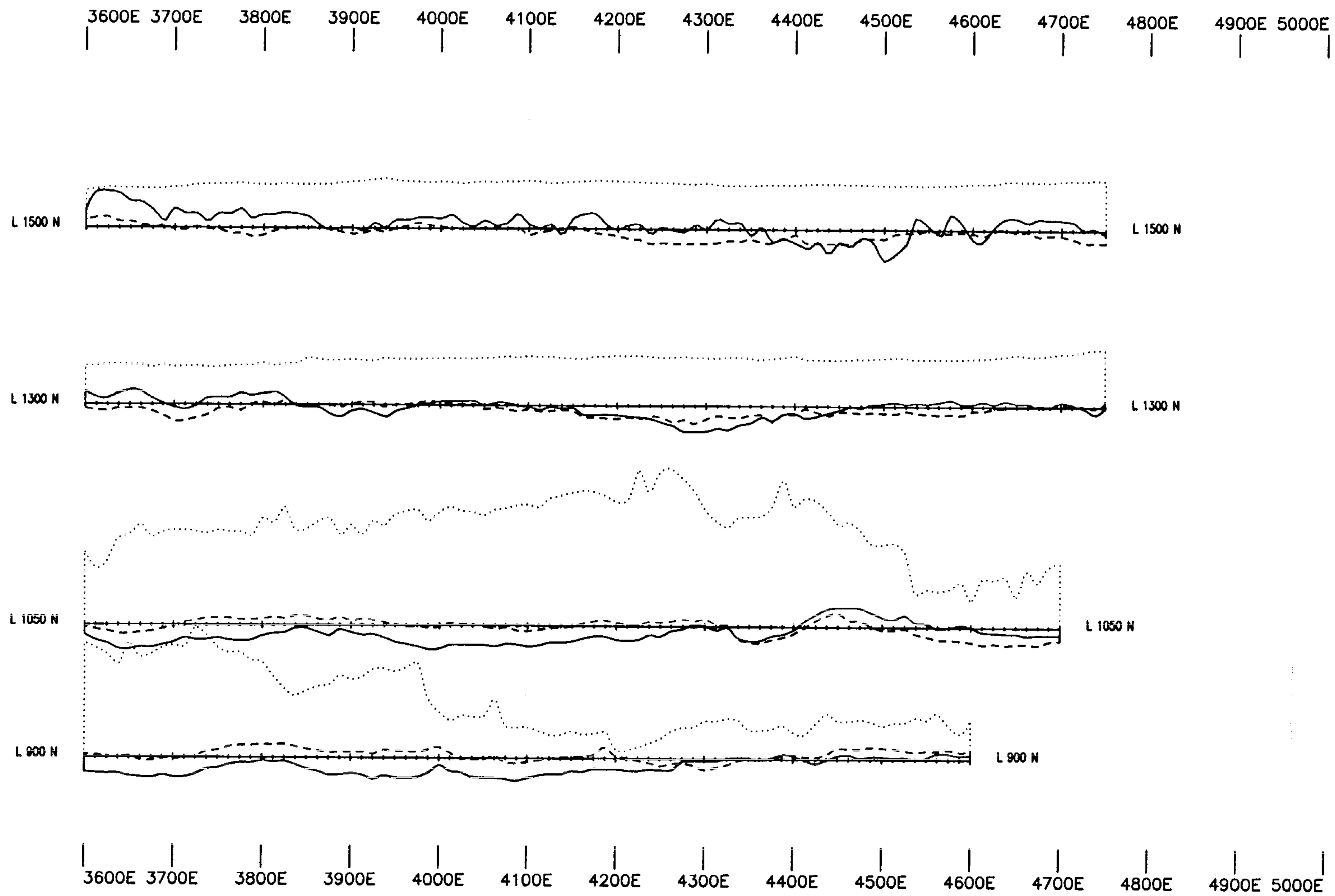

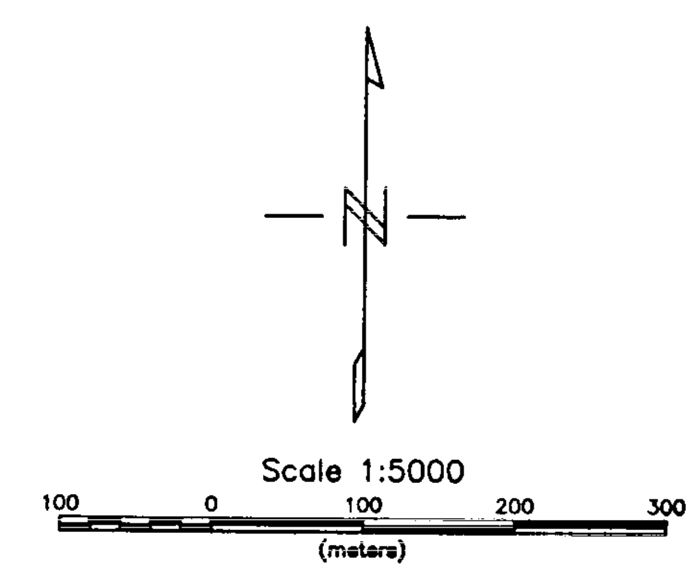

LEGEND
NAA, CUTLER, MA

- Anomalous Inflection (In-Phase)
- In-Phase } 1 cm. = 20 %
- Quadrature
- Field Strength 1 cm. = 4 units on 0 base level
- VLF-EM Conductor

Tagish Resources Ltd. and Alex Briden
NAA, CUTLER, MA VLF-EM PROFILES
HAGS GROUP CLAIMS (East Grid) (1) 104 B/9 & 10 Skeena & Liard Mining Divisions, British Columbia Figure # 5-1 December 2, 1993
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GEOLOGICAL BRANCH
ASSESSMENT REPORT

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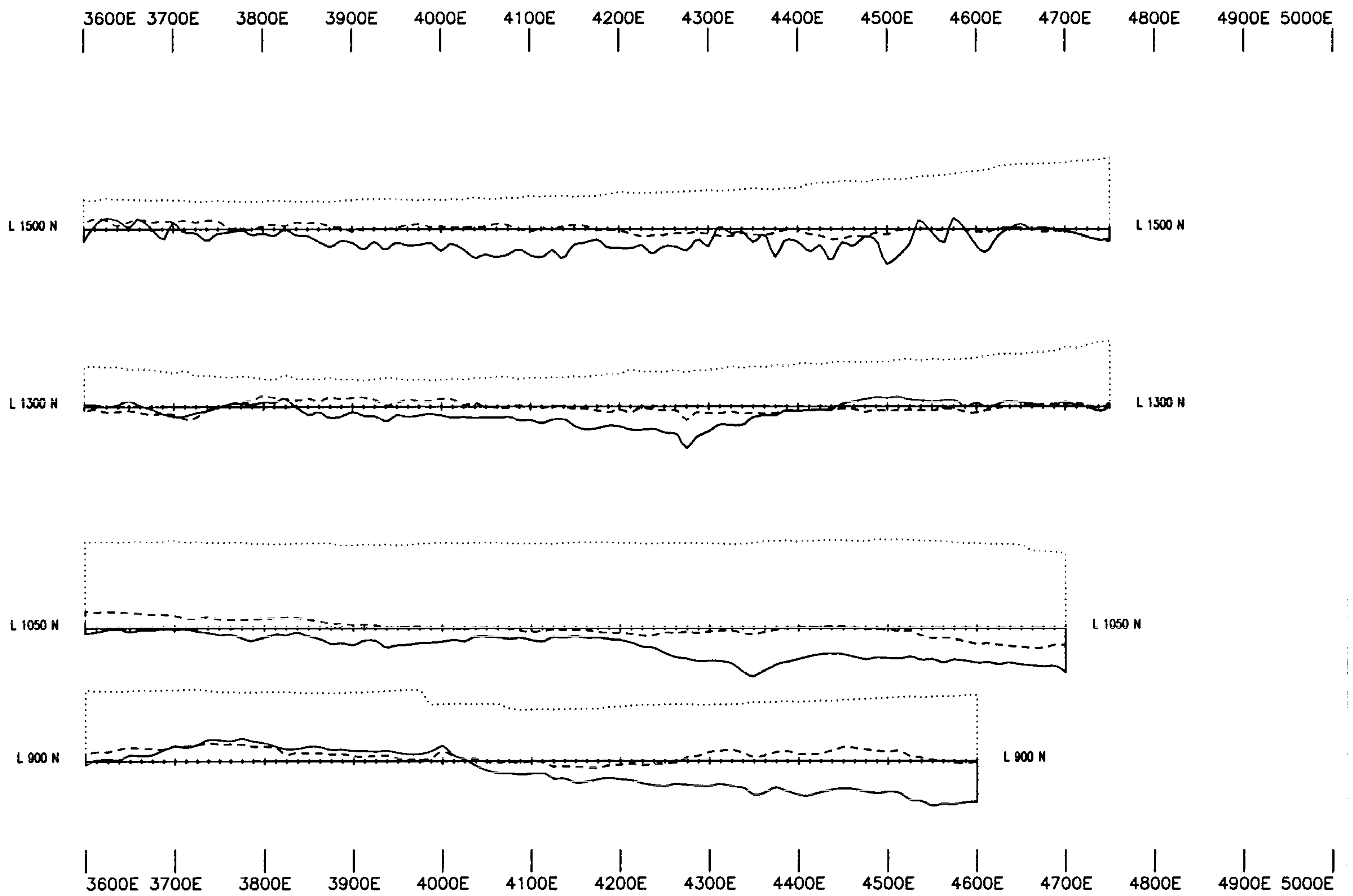

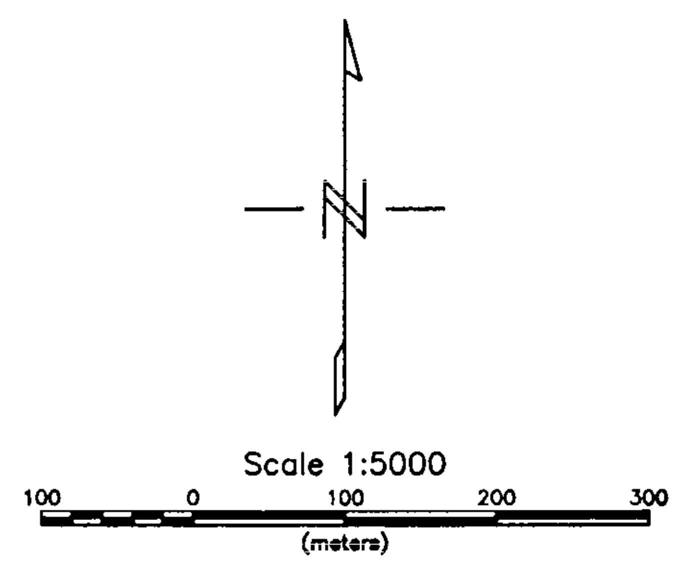

LEGEND
NSS, ANNAPOLIS, MD

Anomalous Inflection (In-Phase)

In-Phase
Quadrature
} 1 cm. = 20 %

Field Strength 1 cm. = 4 units on 0 base level

VLF-EM Conductor

Tagish Resources Ltd. and Alex Briden

NSS, ANNAPOLIS, MD VLF-EM PROFILES

HAGS GROUP CLAIMS (East Grid) (2)
104 B/9 & 10
Skeena & Liard Mining Divisions, British Columbia
Figure # 5-2 December 2, 1993

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

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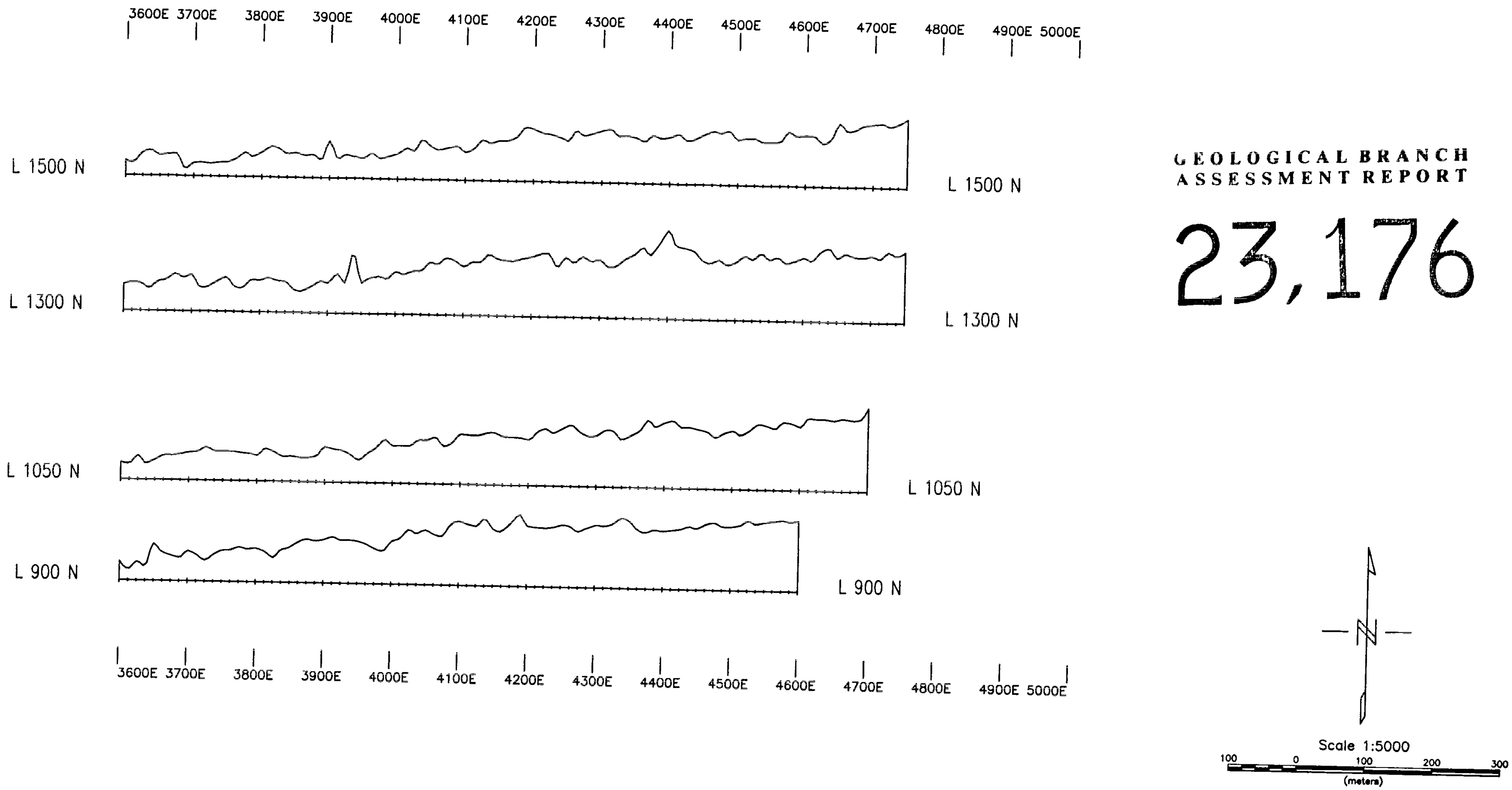


LEGEND

Magnetic Field Strength

1 cm. = 20 nT

Magnetic Field Datum Level = 57000 nT

Tagish Resources Ltd. and Alex Briden

Total Field Magnetic Profiles

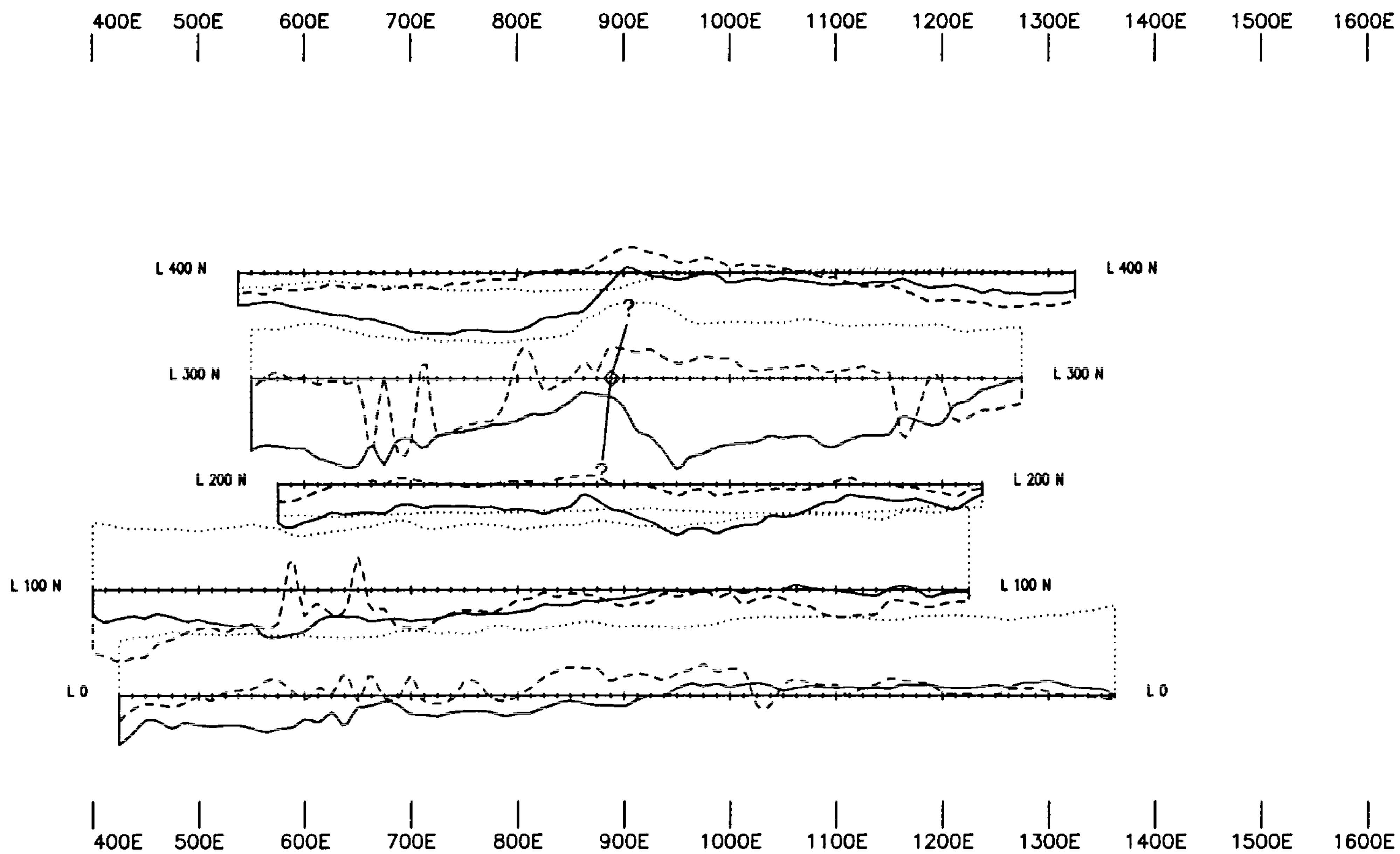
HAGS GROUP CLAIMS (East Grid) ③

104 B/9 & 10

Skeena & Liard Mining Divisions, British Columbia

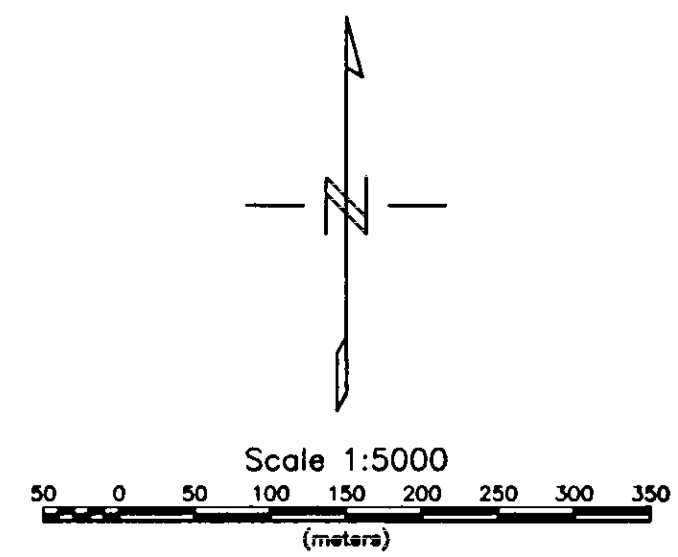
Figure # 5-3 December 2, 1993

Canamera Geological Ltd.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,176



LEGEND
NAA, CUTLER, MA

- Anomalous Inflection (In-Phase)
- In-Phase } 1 cm. = 20 %
- Quadrature
- Field Strength 1 cm. = 4 units on 7 base level
- VLF-EM Conductor

Tagish Resources Ltd. and Alex Briden
NAA, CUTLER, MA VLF-EM PROFILES
HAGS GROUP CLAIMS (West Grid) (4) 104 B/9 & 10 Skeena & Liard Mining Divisions, British Columbia Figure # 5-4 December 2, 1993
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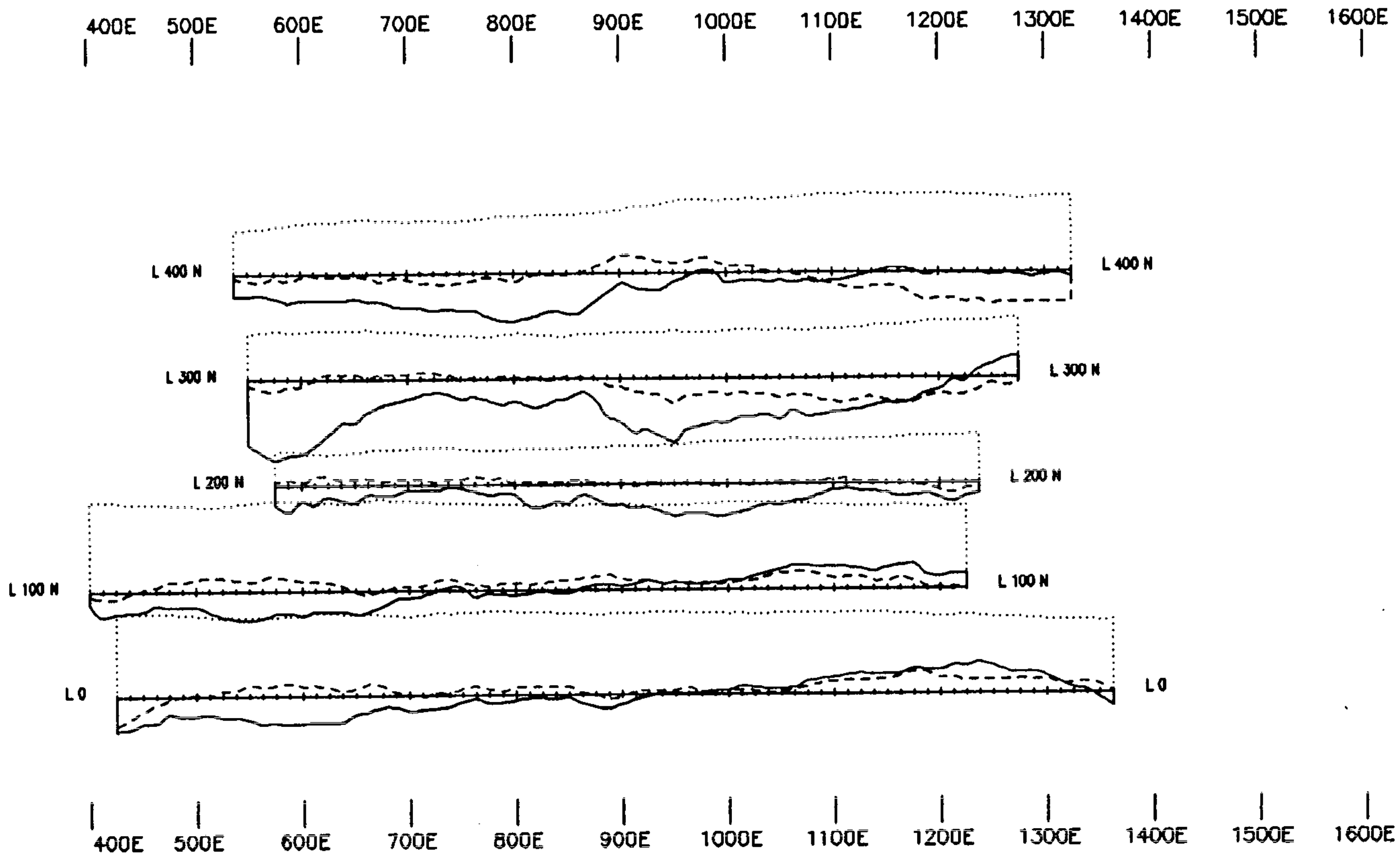

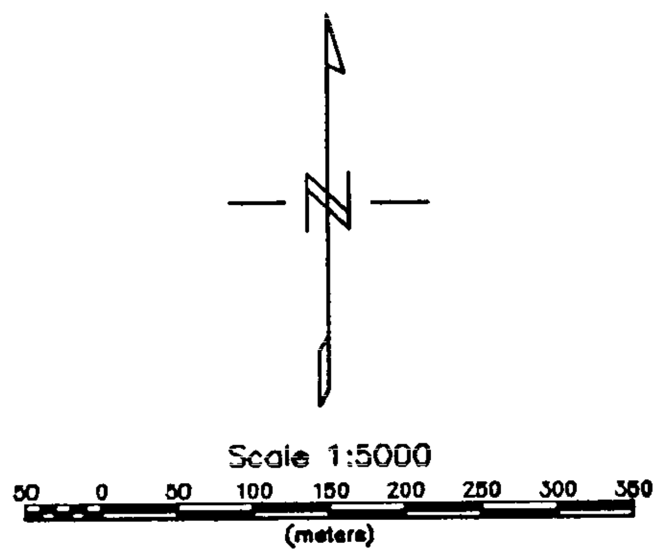

LEGEND
NSS, ANNAPOLIS, MD

Anomalous Inflection (In-Phase)

In-Phase } 1 cm. = 20 %

Quadrature

Field Strength 1 cm. = 4 units on 0 base level

VLF-EM Conductor

Tagish Resources Ltd. and Alex Briden

NSS, ANNAPOLIS, MD VLF-EM PROFILES

HAGS GROUP CLAIMS (West Grid) (5)

104 B/9 & 10

Skeena & Liard Mining Divisions, British Columbia

Figure # 5-5 December 2, 1993

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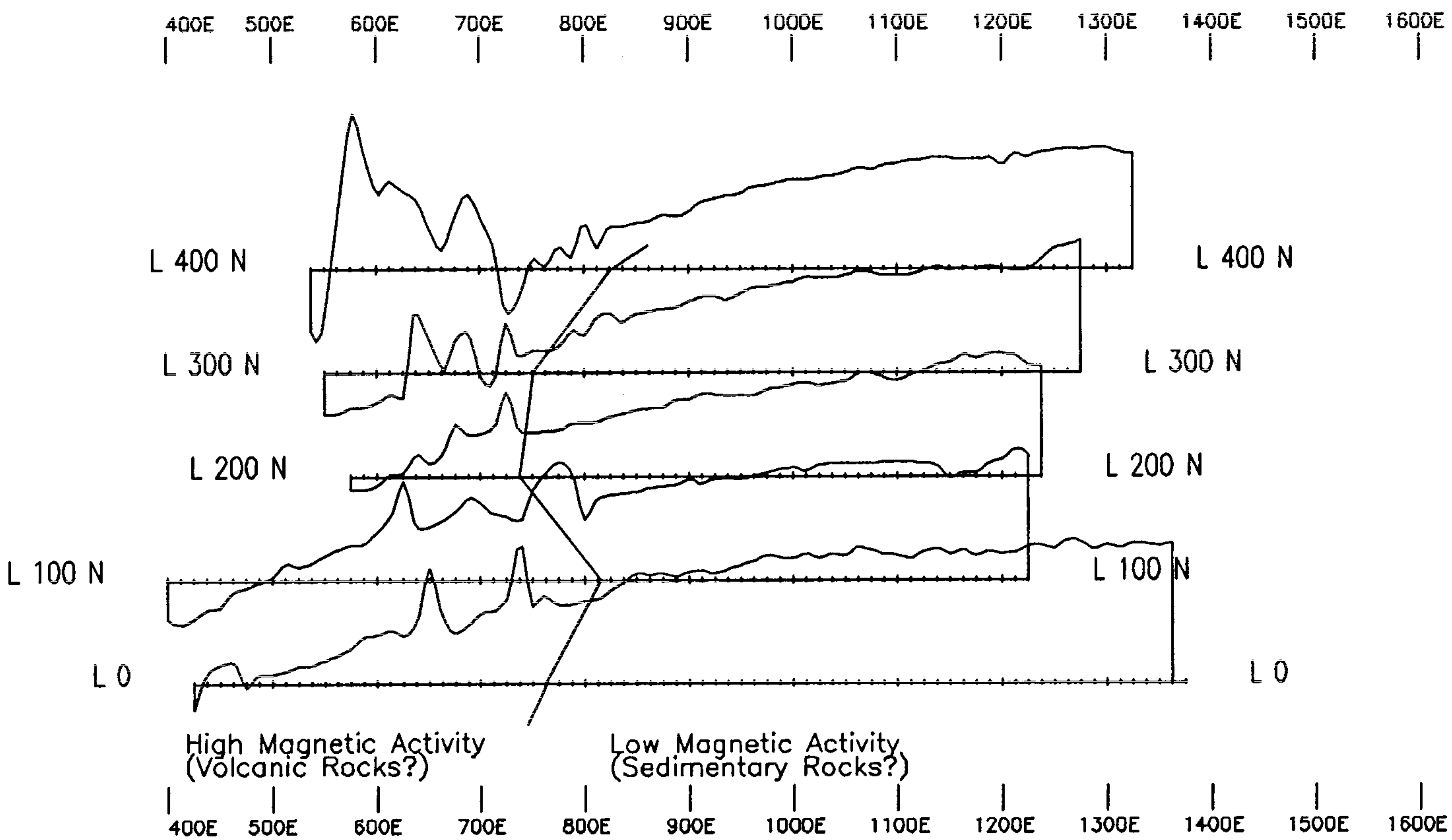
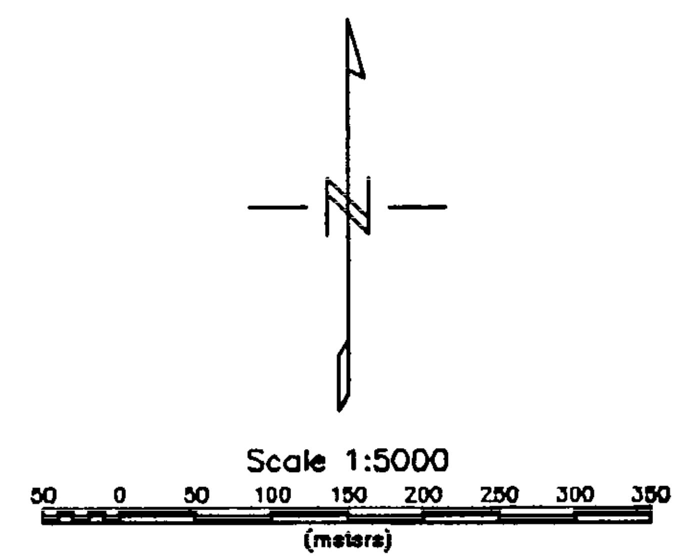


GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,176



LEGEND

Magnetic Field Strength

1 cm. = 50 nT

Magnetic Field Datum Level = 56800 nT

Tagish Resources Ltd. and Alex Briden

Total Field Magnetic Profiles

HAGS GROUP CLAIMS (West Grid) (6)

104 B/9 & 10

Skeena & Liard Mining Divisions, British Columbia

Figure # 5-6 December 2, 1993

Canamera Geological Ltd.