GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL REPORT

ON THE

STANDARD CREEK PROPERTY

OF

Owner/Operator: ARMENO RESOURCES INC.

AND

TRANS ATLANTIC RESOURCES INC.

PAT & BUTTE CLAIM GROUPS

LILLOOET MINING DIVISION

NTS 92 J 10E

LATITUDE 50°42'18"N, LONGITUDE 122°37'36"W

BY

Thomas H. Carpenter, B.Sc., F.G.A.C.

and

Larry R. Haynes, B.Sc., F.G.A.C.

Azimuth Geological
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Lillooet Mining Division
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SUMMARY

Armeno Resources Inc. and Trans Atlantic Resources Inc. hold a total of 171 mineral claims (Standard Creek Property) along the southern boundary of the Bridge River Gold Camp. The property lies along the southeast extension of a major gold bearing structure, the Cadwallader Break (Bralorne Fault system). This fault system hosts the Bralorne/Pioneer mining complex, 13 kilometres to the northwest. Before the Bralorne/Pioneer operation was closed in 1971 it was the largest gold mine in B.C., having produced 7.2 million tonnes grading 18 grams gold per ton.

During July and August 1987, Armeno Resources Inc. funded a programme of geological mapping, geochemical rock and soil sampling and geophysical surveys. The work, which follows earlier investigations on the property, was concentrated in five areas: the Standard, Chopper, Royal, Upper Piebiter and Red Hawk zones.

Results of this programme have identified several areas on the property with indications of gold-silver mineralization. Additional work, including diamond drilling and underground exploration, is recommended for the property.

1.0 INTRODUCTION

The Standard Creek Property covers a major gold-silver prospect southeast of Bralorne, B.C. From July 3 to August 1, 1987, field work entailing geological mapping, geophysical surveys and geochemical rock and soil sampling was carried out over the property.

Field work was contracted out to Azimuth Geological. The programme was carried out by a five person crew under the direction of Thomas Carpenter. Results of the programme are discussed in the following report.

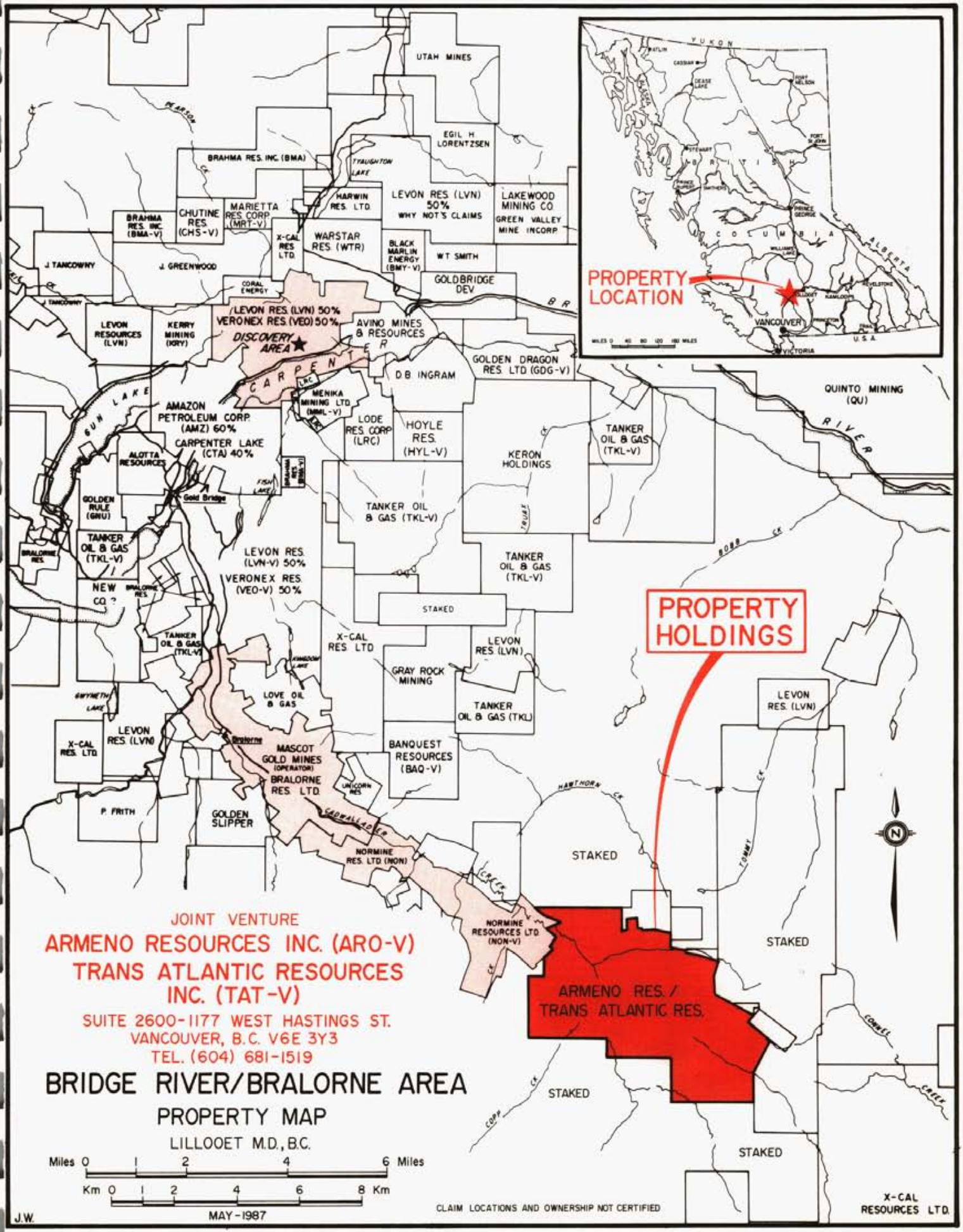
1.1 Location and Access

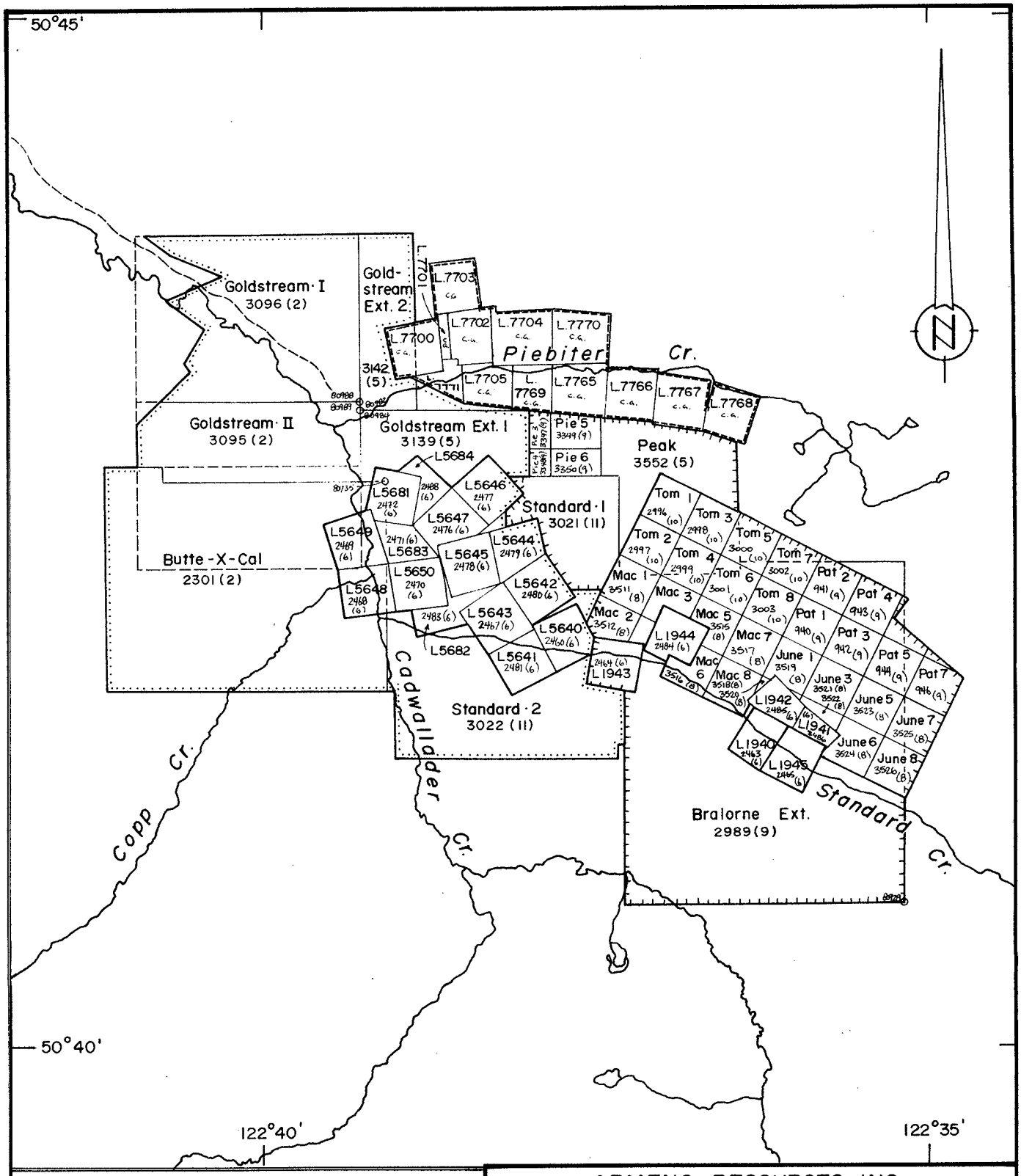
The property is located in the Lillooet Mining District, B.C., approximately 13 kilometres southeast of Bralorne, B.C. The claims cover approximately 25.5 km^2, centering on latitude 50°42'N and longitude 122°37'W.

Access to the property is by 20 kilometres of gravel logging road exiting southeast from Gold Bridge, B.C. Approximately 110 kilometres of good gravel road connect Gold Bridge with Transprovincial Highway 12 at Lillooet, B.C.

1.2 Property and Claim Status

The Standard Creek property currently consists of 171 claims and claim units identified in Table A. The accompanying maps on pages 3 and 4 show the relative location of these claims.


PROPERTY HOLDINGS
PROPERTY LOCATION
YUKON
BRITISH COLUMBIA
ALBERTA
VANCOUVER
VICTORIA
U.S.A.
UTAH MINES
EGIL H. LORENTZSEN
BRAHMA RES. INC. (BMA)
CHUTINE RES. (CHS-V)
MARIETTA RES CORP (MRT-V)
BRAHMA RES. INC. (BMA-V)
HARWIN RES. LTD
LEVON RES. (LVN) 50% WHY NOT'S CLAIMS
LAKEWOOD MINING CO
GREEN VALLEY MINE INCORP
X-CAL RES LTD.
WARSTAR RES. (WTR)
BLACK MARLIN ENERGY (BMY-V)
WT SMITH
J. TANCOWNY
J. GREENWOOD
CORAL ENERGY
GOLDBRIDGE DEV
LEVON RESOURCES (LVN)
KERRY MINING (KRY)
LEVON RES. (LVN) 50%
VERONEX RES. (VEO) 50%
DISCOVERY AREA
AVINO MINES & RESOURCES
GOLDEN DRAGON RES. LTD (GDG-V)
D.B. INGRAM
MENIKA MINING LTD (MML-V)
LODE RES. CORP (LRC)
HOYLE RES. (HYL-V)
AMAZON PETROLEUM CORP. (AMZ) 60%
CARPENTER LAKE (CTA) 40%
ALOTTA RESOURCES
GUN LAKE
CARPENTER
KERON HOLDINGS
TANKER OIL & GAS (TKL-V)
QUINTO MINING (QU)
RIVER
GOLDEN RULE (GNU)
Gold Bridge
TANKER OIL & GAS (TKL-V)
BRALORNE RES.
NEW CO.?
LEVON RES. (LVN-V) 50%
VERONEX RES. (VEO-V) 50%
STAKED
X-CAL RES LTD
GRAY ROCK MINING
LEVON RES. (LVN)
TANKER OIL & GAS (TKL)
LOVE OIL & GAS
BANQUEST RESOURCES (BAQ-V)
MASCOT GOLD MINES (OPERATOR)
BRALORNE RES. LTD.
UNICORN RES.
P. FRITH
GOLDEN SLIPPER
NORMINE RES. LTD (NON)
NORMINE RESOURCES LTD (NON-V)
ARMENO RES. / TRANS ATLANTIC RES.
STAKED
STAKED
STAKED
STAKED
LEVON RES. (LVN)
HAWTHORN CK.
BOBB CK.
TOMMY CK.
COPP CK.
CORNET CREEK
JOINT VENTURE
ARMENO RESOURCES INC. (ARO-V)
TRANS ATLANTIC RESOURCES INC. (TAT-V)
SUITE 2600-1177 WEST HASTINGS ST.
VANCOUVER, B.C. V6E 3Y3
TEL. (604) 681-1519
BRIDGE RIVER/BRALORNE AREA
PROPERTY MAP
LILLOOET M.D., B.C.
Miles 0 1 2 4 6 Miles
Km 0 1 2 4 6 8 Km
J.W.
MAY-1987
CLAIM LOCATIONS AND OWNERSHIP NOT CERTIFIED
X-CAL RESOURCES LTD.



Butte Group

Pat Group

Ungrouped

N.T.S. 92-J/10

0 0.5 1 2 3 kilometres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

CLAIM MAP

Azimuth Geological

By: L.R.H.
Scale: 1:50,000
Date: Nov. 1987

Figure: C·1000

TABLE A

Claim Status - Pat Group

Claim Name	Owner	Record No.	Lot No.	Type	Year Staked	Expiry Date
Lion 1	T	2463	1940	Reverted Crown Grant	1983	June 13/96
Lion 7	T	2464	1943	Reverted Crown Grant	1983	June 13/96
Bulldog 7	T	2465	1945	Reverted Crown Grant	1983	June 13/96
Trail 2	T	2484	1944	Reverted Crown Grant	1983	June 14/96
Unicorn 4	T	2486	1941	Reverted Crown Grant	1983	June 14/96
Unicorn 6	T	2485	1942	Reverted Crown Grant	1983	June 14/96
Bralorne Ext.	T	2989		Modified Grid: 20 Units	1984	Sept. 13/96
Standard 1	T	3021		Modified Grid: 4 Units	1984	Nov. 19/96
Pie 3	T	3347		2-Post: 1 Unit	1985	Sept. 17/95
Pie 4	T	3348		2-Post: 1 Unit	1985	Sept. 17/95
Pie 5	T	3349		2-Post: 1 Unit	1985	Sept. 17/95
Pie 6	T	3350		2-Post: 1 Unit	1985	Sept. 17/95
Tom 1-8	A	2996 - 3003		2-Post: 8 Units	1984	Oct. 11/93
Pat 1-8	A	940 - 947		2-Post: 8 Units	1979	Sept. 4/93
Mac 1-8	A	3511 - 3518		2-Post: 8 Units	1986	Aug. 6/93
June 1-8	A	3519 - 3526		2-Post: 8 Units	1986	Aug. 6/93
Peak	A	3552		Modified Grid: 9 Units	1986	Sept. 4/93

Claim Status - Butte Group

Claim Name	Owner	Record No.	Lot No.	Type	Year Staked	Expiry Date
Royal	T	2481	5641	Reverted Crown Grant	1983	June 14/96
Royal 1	T	2466	5640	Reverted Crown Grant	1983	June 13/96
Royal 2	T	2467	5643	Reverted Crown Grant	1983	June 13/96
Royal 3	T	2480	5642	Reverted Crown Grant	1983	June 14/96
Royal 4	T	2478	5645	Reverted Crown Grant	1983	June 14/96
Royal 5	T	2479	5644	Reverted Crown Grant	1983	June 14/96
Royal 6	T	2476	5647	Reverted Crown Grant	1983	June 14/96
Royal 7	T	2477	5646	Reverted Crown Grant	1983	June 14/96
Royal 8	T	2468	5648	Reverted Crown Grant	1983	June 13/96
Royal 9	T	2469	5649	Reverted Crown Grant	1983	June 13/96
Royal 10	T	2470	5650	Reverted Crown Grant	1983	June 13/96
Royal A Fr.	T	2483	5682	Reverted Crown Grant	1983	June 14/96
Royal B Fr.	T	2471	5683	Reverted Crown Grant	1983	June 13/96

TABLE A (cont'd)

Claim Status - **Butte Group** (cont'd)

Claim Name	Owner	Record No.	Lot No.	Type	Year Staked	Expiry Date
Royal C Fr.	T	2482	5684	Reverted Crown Grant	1983	June 14/96
Royal 11	T	2472	5681	Reverted Crown Grant	1983	June 13/96
Standard 2	T	3022		Modified Grid: 12 Units	1984	Nov. 19/96
Goldstream I	T	3096		Modified Grid: 12 Units	1985	Feb. 22/96
Goldstream II	T	3095		Modified Grid: 12 Units	1985	Feb. 22/96
Goldstream Ext. 1	T	3139		Modified Grid: 6 Units	1985	May 6/96
Goldstream Ext. 2	T	3142		Modified Grid: 4 Units	1985	May 6/96
Pie 1	T	3345		2-Post: 1 Unit	1985	Sept. 17/95
Pie 2	T	3346		2-Post: 1 Unit	1985	Sept. 17/95
Butte-X-Cal	A	2301		Modified Grid: 20 Units	1983	Feb. 14/98

Claim Status - **Ungrouped Claims**

Claim Name	Owner	Record No.	Lot No.	Type	Year Staked	Expiry Date
Chalco D Fr.	A	N/A	7771	Crown Grant		N/A
Chalco 5	A	N/A	7700	Crown Grant		N/A
Chalco 6	A	N/A	7704	Crown Grant		N/A
Chalco 8 Fr.	A	N/A	7701	Crown Grant		N/A
Chalco 9	A	N/A	7770	Crown Grant		N/A
Chalco 10	A	N/A	7765	Crown Grant		N/A
Chalco 12	A	N/A	7702	Crown Grant		N/A
Chalco 13	A	N/A	7705	Crown Grant		N/A
Chalco 35	A	N/A	7703	Crown Grant		N/A
Chalco 36	A	N/A	7766	Crown Grant		N/A
Chalco 37	A	N/A	7767	Crown Grant		N/A
Chalco 38	A	N/A	7768	Crown Grant		N/A
Chalco 39 Fr.	A	N/A	7769	Crown Grant		N/A

A = Armeno Resources Inc.
T = Trans Atlantic Resource Inc.

1.3 History and Previous Work

The Standard Creek Property is a recent consolidation of several gold and silver bearing prospects located near the confluence of Standard Creek with Cadwallader Creek.

Interest in the Cadwallader Creek area dates back to 1897 when lode gold was first discovered. Work on the Standard Creek Property is first reported in the early 1930's and is briefly summarized below.

1. During 1932 Standard Gold Mines Ltd. explored the Standard Prospect with several open cuts, trenching and two adits. The largest adit (Standard Adit) 204 metres in length, is reported to have contained a 21 metre gold bearing zone averaging 4.3 grams/tonne (0.125 oz./ton) with gold values up to 5.8 grams/tonne (0.17 oz./ton).

2. Red Hawk Gold Mines Ltd. worked the Red Hawk Property in 1932 and 1933. Several surface cuts and short underground workings were used to test quartz veins carrying gold values.

3. In 1932 Cadwallader Gold Mines carried out ground sluicing and underground development on the Royal Prospect. A short crosscut adit was driven across quartz veins up to 1.37 metres (4.5 feet) wide.

4. During 1933 Butte-I.X.L. Gold Mines Ltd. explored the Butte-I.X.L. claims east of the Red Hawk Property. A small shaft and adit were used to test quartz exposures.

5. In 1948 a tungsten-copper showing (Chalco/Lower Piebiter) was discovered above the northwest side of Piebiter Creek, two kilometres north of the Royal Prospect. The showing was drill tested in 1969 and again in 1979-80. Drilling confirmed the presence of low grade tungsten-copper mineralization.

6. In 1980 Chopper Mines (Dragon Resources Ltd.) located the Pat and Tom claims along the northeastern boundary of the property to cover a prominent three metre wide Ag bearing quartz vein (Chopper Vein). The vein has been traced over 2,400 metres in length with reported silver values of up to 1,585 grams/tonne (46.36 oz./ton) in selected grab samples. The Pat and Tom claims along with the adjoining Mac and June claims were subsequently purchased by Armeno Resources Inc. in 1986.

7. During the period from 1980 - 1982 Hillside Energy Corp. carried out a soil geochemical sampling programme near the Royal Prospect and on the west side of Cadwallader Creek (Butte-I.X.L.). Results of sampling by Hillside on the Royal and Standard Groups identified several areas of interest. No further work was carried out at the time.

8. In 1985 Hudson Bay Exploration and Development Co. Ltd. conducted geological mapping and geochemical sampling on the Butte-X-Cal prospect, identifying a number of gold geochemical anomalies. The Butte-X-Cal claims were subsequently purchased by Armeno Resources Inc. in August 1986.

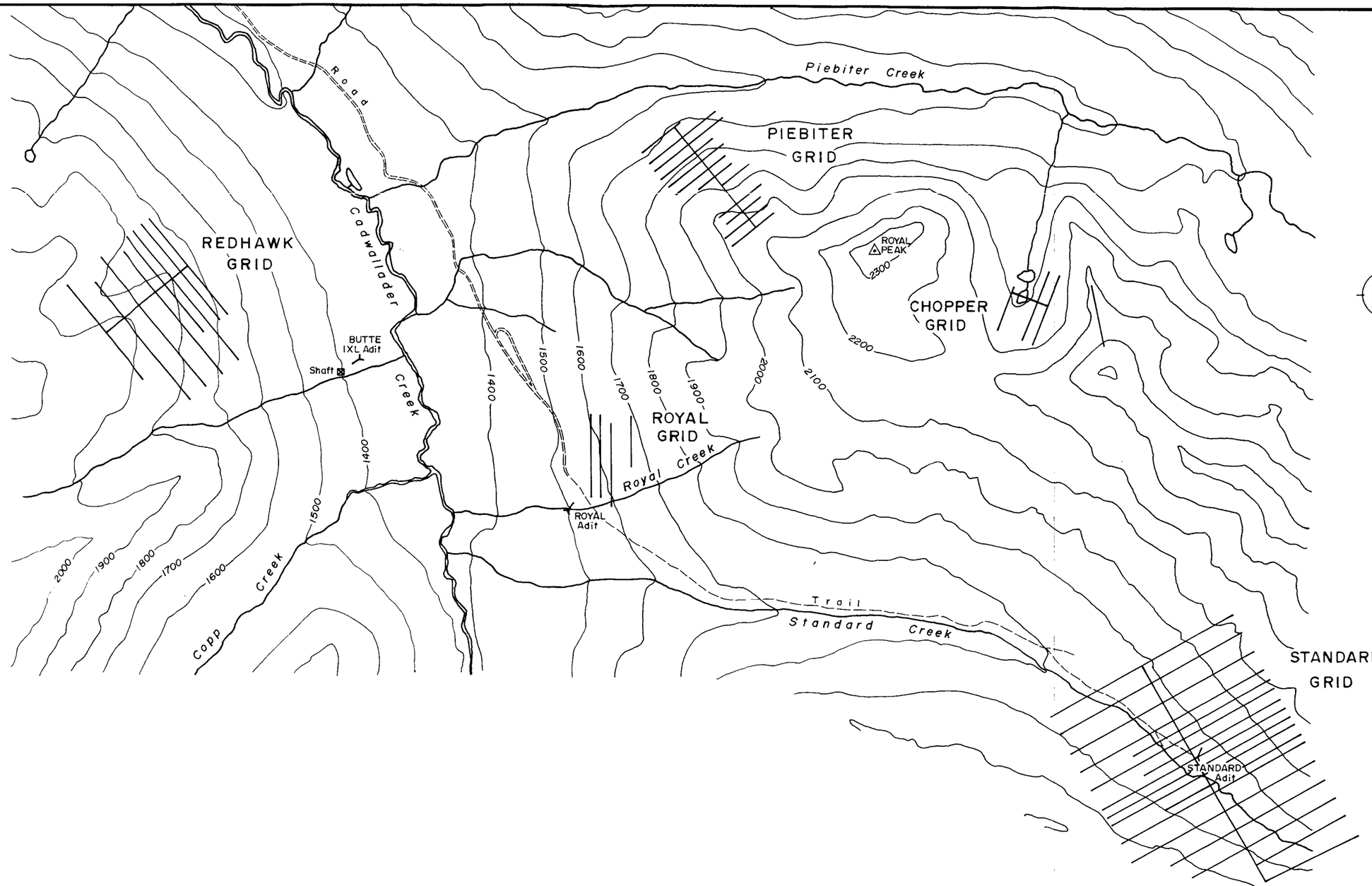
9. During 1985 and 1986 Armeno Resources Inc. and Trans Atlantic Resources Inc. commenced an extensive exploration programme comprising geochemical, geological and geophysical surveys and diamond drilling. The programme identified seven areas of interest. Exploration was continued in 1987 based on the results and recommendations of this major programme.

1.4 Work By Armeno Resources Inc. In 1987

Field work by Armeno Resources Inc. commenced on July 3, 1987 and continued until August 1, 1987. The focus of the 1987 work was to define potential mineralized zones within seven areas of interest (Standard, Royal, Chalco/Lower Piebiter, Upper Piebiter, Butte-I.X.L., Butte-X-Cal, Chopper) identified by earlier exploration programmes.

Exploration efforts were concentrated on five of the seven areas. Grids were established on the Standard, Chopper, Royal, Upper Piebiter and Red Hawk (west of Butte-I.X.L.) zones and are shown on Dwgs. L 1001 to L 1003. A systematic approach of (1) detailed geological mapping, (2) detailed VLF/EM and magnetic surveys, and (3) rock and soil geochemical sampling were carried out over the zones. Careful consideration was given to identifying possible structural controls for potential gold-silver mineralization.

Approximately 27 kilometres of survey grid were completed on the zones and a total of 534 soil and 155 rock samples were collected. Results of the 1987 surveys are discussed later in the report (Section 5.0).



Contour interval : 100 metres

0 500 1000 1500 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

GRID LOCATIONS

Azimuth Geological	By: L.R.H.	Figure: L-1001
	Scale: 1:20,000	
	Date: Nov. 1987	

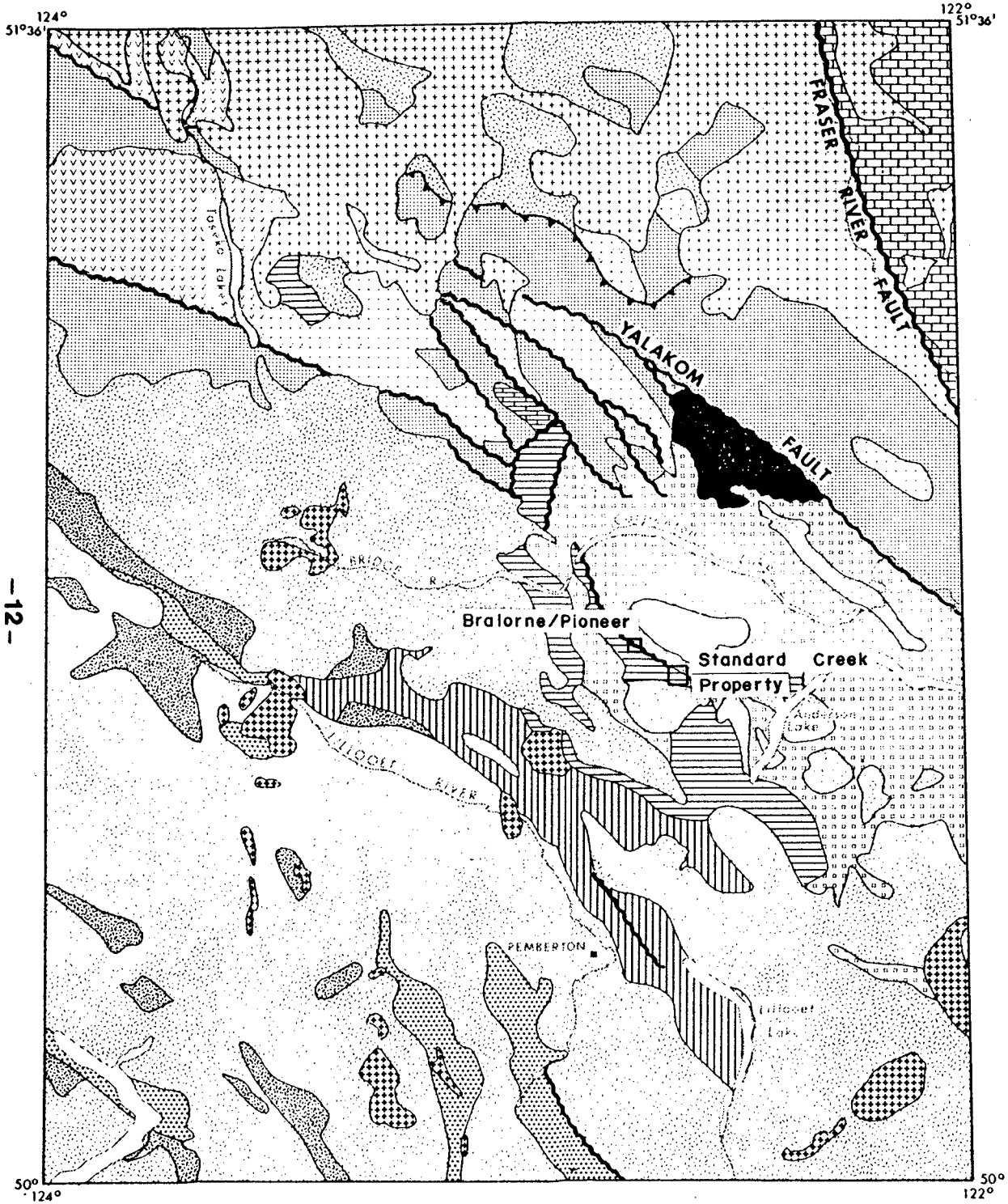
2.0 GEOLOGY AND MINERALIZATION

2.1 Regional Geology

The geology and mineralization of the Bridge River - Cadwallader Creek area is well documented in the literature and remains the subject of investigations. The reader is referred to publications by McCann (1922), Cairnes (1937), Joubin (1948), Roddick and Hutchinson (1973), Pearson (1975), Woodsworth and Roddick (1977), Woodsworth et al (1977), Bellamy and Saleken (1983) and Church (1986a) for a complete understanding of the geology and mineralization. The accompanying map (after Woodsworth, 1977) on page 12 illustrates the general geological setting surrounding the Standard Creek Property.

The property is underlain by a series of fault bounded strata of Triassic Cadwallader Group argillites, greenstones, limestones, metamorphosed sediments and volcanics and Paleozoic Fergusson Group (Bridge River Complex) argillites, cherts, basalts and phyllites.

These units have been intruded by Cretaceous Bendor quartz diorite, Jura-Cretaceous President ultrabasics and Bralorne diorites.



LEGEND

TERTIARY

- Basalt, andesite, dacite
- GARIBALDI GROUP and related rocks: andesite, basalt, dacite

UPPER CRETACEOUS

- KINGSVALE GROUP: andesite, basalt, arkose, conglomerate, greywacke

JURASSIC and/or LOWER CRETACEOUS

- TAYLOR CREEK GROUP: andesite, basalt, shale;
- JACKASS MOUNTAIN and RELAY MOUNTAIN GROUPS: greywacke, arkose, conglomerate;
- Undivided: andesite, basalt, shale, greywacke
- Metamorphosed sediments and volcanics

UPPER TRIASSIC

- TYAUGHTON GROUP: limestone
- CADWALLADER GROUP: argillite, greenstone, limestone, diorite
- Metamorphosed sediments and volcanics; in part equivalent to Cadwallader Group

MIDDLE TRIASSIC and (?) OLDER

- BRIDGE RIVER GROUP: chert, argillite, basalt, phyllite

PERMIAN and TRIASSIC

- Ultramafic rocks

PENNSYLVANIAN and TRIASSIC

- CACHE CREEK and PAVILION GROUPS: greenstone, argillite, basalt, limestone, chert

AGE MOSTLY UNKNOWN

- Plutonic rocks, mainly granodiorite and quartz diorite
- Migmatitic complexes

Fault

Thrust fault

Scale 1:1,000,000

0 km 30

after Roddick and Woodsworth (1975)
in Economic Geology Volume 72 p. 172-173

2.2 Local Geology

Mapping of the local geology was carried out at a scale of 1:5,000 by pace and compass traverse using a photomosaic base map for control. Mapping in greater detail was carried out at a scale of 1:2,500 using geochemical and geophysical grids for control. Results of the grid mapping are presented on separate drawings (G-1000 to G1004) included with the discussion of results.

Ten rock units have been identified during the mapping of the Standard Creek Property and are described below. Detailed description of rock samples are given in Table B (Rock Sample Descriptions).

Oldest (?)

(1)	**Argillite**	Black, massive to fissile, interbedded with dark grey chert.
(2)	**Quartzite**	Light grey weathering. Thin section descriptions indicate a possible felsic volcanic origin.
(3)	**Quartz Biotite Schist**	Often intimately associated with quartzite, biotite content to about 30%.
(4)	**Limestone**	Found as lense like masses, commonly recrystallized.
(5)	**Volcanics**	Massive greenstone, usually containing epidote-garnet veins with minor quartz. Volcanic sediments, ie. agglomerate and tuffs. "Agglomerates" composed of stretched quartz pebbles in biotite matrix. Metavolcanics comprising fine grained biotite schists and phyllites. The latter possibly of intermediate to felsic composition.
(6)	**"Spotted Schist"**	Composed of euhedral to rounded feldspar pheocrysts in a variably foliated fine grained matrix. Biotite along foliations.
(7)	**Ultramafics**	Undifferentiated. Vary from dunite to pyroxenite in composition. Largely serpentinized.

(8)	**Talc Altered Ultramafics**	Composed of masses of ultramafic material which has been completely altered to talc.
(9)	**Listwanite**	Alteration end product of ultramafics. Consist of talc, carbonate, mariposite, quartz and sulphides (Boyle, 1979).
(10)	**Diorite** Youngest (?)	Varies from diorite to granodiorite. Composed of quartz, plagioclase, biotite, hornblende and rate pyroxene.

Table B

Rock Sample Descriptions

Sample	Location	Type	Width	Description	Au (ppb) Ag (ppm)
GC-87-001	Piebiter Ck - Below Royal Cirque	Grab/Talus	-	Intrusive with feldspar, quartz and muscovite, carbonate altered with coarsely crystalline (+0.5 mm) pyrite disseminations to 1%.	nd
GC-87-002	Butte IXL	Grab/ Adit Dump	-	Quartz vein with dark grey silicified and/or chloritized fragments with discontinuous lenses and patches of pyrrhotite, pyrite +/- chalcopyrite and sphalerite(?).	180 13.5
GC-87-003	McGillivery Pass Chopper Vein	Grab/ Outcrop and Talus	-	Quartz vein with up to 50% stibnite, locally yellowish alteration.	40 59.3
GC-87-004	Royal Cirque	Grab/ Outcrop	-	Quartz diorite, minor shearing with rust weathering, 2-3% disseminated pyrite.	nd
GC-87-005	Royal Cirque	Chip/Grab	2.5 m	Quartz vein to 8 cm within a carbonate altered intrusive to silicified volcanic, cross-cutting the intrusive/volcanic contact. Disseminated crystalline pyrite (1-5 mm) to 5%.	nd
GC-87-006	Royal Cirque	Grab/ Outcrop	-	Quartzite, rust weathering, up to 1% crystalline pyrite (2-3 mm) as disseminations with fine-grained (1 mm) pyrite on fracture surface.	nd
GC-87-007	Royal Ridge Chopper Vein Station 2+53S	Grab/ Outcrop	-	Dolomite, well foliated, cut by quartz vein (2-3 mm) with malachite staining. Disseminated crystalline pyrite (1-2 mm) to 2%.	nd

Sample	Location	Type	Width	Description	Au (ppb)
GC-87-008	Royal Cirque Below Chopper Vein (?) West Side	Grab/Talus	-	Quartz vein, crystalline pyrite (to 1 mm) along fractures to 2-3%.	5
GC-87-009	Head Royal Cirque/Stream Draining Southwest Side	Grab/ Outcrop	-	Metavolcanic, foliated, pyrite to 3-5% along factures.	100
GC-87-010	Head Royal Cirque/Stream Draining Southwest Side	Grab/ Outcrop	-	Quartzite, several thin (to 1 cm) quartz veins cut by shear. Skarn hosts crystalline pyrite to 1%.	nd
GC-87-011	Head Royal Cirque	Grab/ Outcrop	-	Quartz vein/pod (3 m x 1 m) adjacent to shear. Massive, white with limonite fractures. Minor (1%) disseminated sulphide (pyrite?).	120
GC-87-012	Head Royal Cirque	Grab/Talus	-	Quartzite crosscut by quartz veining. Pyrite along fractures to 5%.	10

Sample	Location	Type	Width	Description	Au (ppb)
TC-87-001	W. Side MacGillivray Pass South of Grid	Chip		Hornfelsic sediment(?), brown weathering. Quartz veins and minor carbonate. Limonitic fractures, 1-2% magnetite(?). Bedding @ 333°/85°W.	
TC-87-002	W. Side MacGillivray Pass South of Grid 3 m Upslope of Previous Sample	Grab	-	Light brown weathering 3 m thick. Altered ultramafic(?). Biotite phenos in greenish matrix. Fine pyrite stringers. Occasional carbonate pods. Jointing: 070°/80°S, 016°/40°W. Shear: 325°/80°W.	90
TC-87-003	Standard Grid At 75 m Elevation & 019° From L0+00 5+00E	Grab	-	Volcanic. Rusty brown weathering. Fine to medium-grained. Jointed @ 268°/60°N.	5
TC-87-004	Standard Grid 0+00, 1+SSE	Float	-	Light brown weathering talcose rock. Minor serpentine inclusions. Possible subcrop.	nd
TC-87-005	Standard Grid 0+10N, 2+70E	Chip	-	Argillite. Sheared. Trends 320°/40°E dip.	nd
TC-87-006	Standard Grid 0+10N, 2+70E	Chip	-	20 cm thick competent rock with quartz stringers. Slightly silicified.	nd
TC-87-007	Standard Grid 0+00, 3+73E	Grab	-	Black "gunk" appears to be sheared argillite. Contains stringers and pods of hematized material.	nd
TC-87-008	Standard Grid 0+00, 3+50W	Grab	-	Massive grey weathering, fine-grained rock. Black on fresh surface. Hornfelsic in appearance. Jointing @ 050°/20°SE.	65

Sample	Location	Type	Width	Description	Au (ppb)
TC-87-009	Standard Grid 4+87N, 0+25E	Grab	-	Meta-argillite. Black fine-grained crystalline rock containing fine-grained disseminated pyrite. Rusty weathering. Jointed at 285°/83°S.	5
TC-87-01 0	Standard Grid 4+80N, 4+85E	Grab	-	Graphitic argillite with siliceous interbeds. Jointed @ 100°/38°N.	5
TC-87-011	Standard Grid 4+45N, 5+20E	Grab	-	Shear breccia. Foliated rock with rounded to subrounded quartz clasts in chloritic matrix. Trends @ 290°/45°N dip.	nd
TC-87-012	Standard Grid 3+40N, 4+60E	Grab	-	Quartzite cut by numerous white quartz veinlets to 1 cm. Shearing evident with chloritic foliation.	nd
TC-87-013	Standard Grid 4+10N, 2+95E	Grab	-	Quartz vein. Heavily fractured. Hematized fractures. Jointed at 268°/48°N dip.	
TC-87-014	Standard Grid 3+55N, 2+00E	Grab	-	Well bedded and jointed. Rusty weathering. Grey quartz veins to 2 cm along foliation. Jointed @ 295°/50°N.	nd
TC-87-015	Standard Grid 3+55N, 1+90E	Grab	-	Brown weathering rock highly altered. Indeterminate composition. Possible quartz feldspar dike.	nd
TC-87-016	Standard Grid 3+80N, 1+80E	Grab	-	Rusty weathering bedded rock with blebs of bright green mariposite. Very small exposure.	nd
TC-87-017	Standard Grid 4+00N, 1+75E	Grab	-	Rusty broken o/c. Similar in composition to previous two samples. Minor quartz veining. Minor mariposite.	nd
TC-87-018	Standard Grid 3+95N, 1+70E	Grab	-	Talc rock with minor serpentine and carbonate. Cut by narrow quartz veins.	10

Sample	Location	Type	Width	Description	Au (ppb) Ag (ppm)
TC-87-019	Standard Grid 3+50N, 0+50E	Grab	-	Serpentinite dark green altered ultramafic. Composed largely of serpentine and minor talc.	nd
TC-87-020	Standard Grid 3+50N, 0+10E	Chip	-	Listwanite. Brown weathering. Composed of quartz, carbonate, mariposite and 3% disseminated pyrite. Weakly foliated at 310°/80°E. Quartz veining at approximately 030°/50°S dip.	nd
TC-87-021	Standard Grid 3+50N, 0+15E	Grab	-	Quartz veining and listwanitic material from outcrop.	nd
TC-87-022	Standard Grid 5+40N, 1+00E	Grab	-	Quartz rich material with disseminated pyrite. Similar to material at 3+50N, 0+10E. Jointed/sheared @ 330°/32°E.	nd
TC-87-023	Standard Grid 5+45N, 1+25E	Grab	-	Talc rock with minor serpentinite. Similar to TC-87-018. Foliated/sheared @ 325°.	nd
TC-87-024	Standard Grid 5+48N, 1+60E	Grab	-	Listwanite in contact with sheared argillite. Mariposite rich. Contains narrow quartz veins to 1 cm. Trends 325°/80°E.	nd
TC-87-025	Standard Grid 5+80N, 1+15E	Grab	-	Trench trending 065°. Quartz veining and listwanite. Similar to TC-87-020.	nd >100
TC-87-026	Standard Grid 6+95N, 2+15E	Grab	-	Small outcrop. Argillite and quartzite cut by minor quartz veins. Hematite in vugs and along fractures.	nd 7.1
TC-87-027	Standard Grid 8+25N, 5+00E	Grab	-	Quartz vein in diorite. Veins vary from 1-4 cm. Trend 236°/35°N.	nd
TC-87-028	Standard Grid 9+95N, 2+55E	Grab	-	Graphitic argillite. Heavily fractured. Numerous quartz veinlets to 2 mm. Bedding/jointing @ 298°/55°N.	nd

Sample	Location	Type	Width	Description	Au (ppb) Ag (ppm)
TC-87-029	Standard Grid 6+40N, 0+20W	Grab	-	Variably altered ultramafic. Minor quartz veining and 1-2% disseminated pyrite. Secondary biotite on fractures. Jointed @ 285°/60°N dip.	nd
TC-87-030	Standard Grid 2+25N, 5+00W	Grab	-	Fine-grained hematized diorite within unaltered diorite. 3-5% pyrite. Cut by quartz veins to 25 cm.	nd
TC-87-031	Standard Grid 2+25N, 5+00W	Grab	-	Quartz vein material from above. Contains vugs with euhedral quartz crystals. Limonitic fractures.	5
TC-87-032	Standard Grid 2+50N, 3+80W	Grab	-	Rusty to grey weathering hornfelsic rock. Somewhat volcanic in appearance.	5
TC-87-033	East of Mount MacGillivray on Ridge Between Mt. MacGillivray and Piebiter Peaks	Grab	-	Listwanite.	10
TC-87-034	Location as Above TC-87-033	Grab	-	Quartz material from Chopper Vein. Oxidized fracture fillings 2 metres thick. Trends 305°/80°SW dip.	50
TC-87-035	As Above	Grab	-	Quartz material from Chopper Vein. 1.5 m thick. Within altered porphyry. Trends 320°/60°SW dip.	410
TC-87-036	S.W. Flank of Royal Peak at 2,300 m Elevation	Grab	-	Quartz vein cutting granodiorite. Hematite and malachite on fractures. Trends 290°/55°S dip.	5 >100
TC-87-037	S.W. Flank of Royal Peak at 2,280 m	Grab	-	Quartz vein 1.5 m wide. Similar trend to previous. Located approximately 20 m to south. Cuts hematized metasediments.	5 4.8

Sample	Location	Type	Width	Description	Au (ppb) Ag (ppm)
TC-87-038	Fault Zone N.W. of Red Hawk Cirque	Grab	-	Quartz from trench trending 047° across sheared diorite containing quartz veins to 5 cm. Minor pyrite. Several trenches in vicinity.	10
TC-87-039	TC-87-033 Location	Grab	-	Stibnite sample from Chopper Vein.	nd 41.7
TC-87-040	Chopper Cirque Area	Grab	-	Chopper Vein. Quartz with galena, tetrahedrite and pyrite.	5 >100
TC-87-041	Piebiter Grid 4+65S, 0+50E	Grab	-	Oxidized volcanics cut by 10 cm granodiorite dike. Hornfelsic zone approximately 1 m wide contains 5-7% disseminated pyrrhotite.	nd
TC-87-042	Piebiter Grid 4+00S, 0+20E	Grab	-	Similar to previous sample collected from talus. 7-10% fine-grained pyrrhotite.	50
TC-87-043	Piebiter Grid 4+10S, 0+55E	Chip	-	Hematized sediments cut by 1.6 m wide diorite dike trending 090°. East side of dike comprises quartzite to quartz biotite schist.	nd
TC-87-044	Piebiter Grid 4+10S, 0+60E	Chip	-	Same locale. Comprises less hematized sedimentary rock than previous.	55
TC-87-045	Piebiter Grid 2+55S, 0+50E	Chip	-	Altered volcanics between two diorite dikes. Heavily hematized, biotite rich. 1-2% pyrite stringers.	nd
TC-87-046	Piebiter Grid 3+00S, 0+96E	Chip	-	Hornfels. Highly siliceous. Grey/brown in colour. 2-3% disseminated and stringer pyrite.	nd
TC-87-047	Piebiter Grid 3+40S, 0+62E	Chip	-	Highly hematized, fine-grained rock to biotite stringers. 2-3% disseminated pyrrhotite and minor pyrite. Altered volcanics(?)	nd

Sample	Location	Type	Width	Description	Au (ppb)
TC-87-048	Piebiter Grid 3+35S, 0+70E	Chip	-	Highly hematized fine-grained rock to abundant disseminated pyrrhotite and minor pyrite. Possible altered volcanic.	nd
TC-87-049	Red Hawk	Grab	-	Quartz material with chlorite, minor carbonate and limonite from dump of adit in chloritized diorite.	nd
TC-87-050	Butte X-Cal	Grab	-	Quartz from vein at upper adit on Butte X-Cal. Contains limonitic material.	nd
TC-87-051	Red Hawk	Grab	-	Serpentinite (soapstone containing 20-30% dark brown sideritic(?) material). Contains 1% unoxidized pyrite. East side Red Hawk Cirque.	nd
TC-87-052	Slope Below Red Hawk Area @ 1,660 m	Grab	-	Quartz vein material from trench.	nd
TC-87-053	Red Hawk	Grab	-	Sheared serpentinite. Heavily hematized on fractures. Locally brecciated.	nd
TC-87-054	Standard Grid 3+80N, 1+80E	Chip	-	Porphyry from trench to TC-87-016 location. Abundant mariposite calcite on fractures. 1 mm quartz stringers. No visible sulphides. Jointing @ 102°/55°N, 357°/75°W.	nd
TC-87-055	Standard Grid 3+80N, 1+81E	Grab	-	Talc and gouge zone from above trench. Poddy.	nd
TC-87-056	Standard Grid 3+30N, 1+82E	Chip	-	Broken argillite from east end of above trench. Hematized fractures. No sulphides evident.	5
TC-87-057	Standard Grid 3+10N, 2+05E	Grab	-	Altered rock (ultramafic?) cutting sheared argillite in stream bed.	nd

Sample	Location	Type	Width	Description	Au (ppb)
TC-87-058	Standard Grid 4+10N, 2+95E	Chip	-	TC-87-013 location. Broken quartz vein. Hematized fractures. 1.0 m x 0.5 m exposure.	nd
TC-87-059	Standard Grid 4+10N, 2+95E	Chip	-	Same location as above. Contains very fine-grained sulphides and fragments of bleached country rock.	5
TC-87-060	Stanard Grid 3+55N, 1+96E	Grab	-	TC-87-014 location. Quartz vein material cutting sheared argillite in trench.	nd
TC-87-061	Standard Grid 3+55N, 2+00E	Chip	-	Repeat of TC-87-014 sample. Sheared argilite. Hematized fractures cut by occasional quartz veinlets to 2 cm in size.	nd
TC-87-062	Stanard Grid 3+50N, 1+98E	Chip	-	Sheared argillite with heavily hematized fractures immediately to south of 014 outcrop.	65
TC-87-063	Standard Grid 3+55N, 1+88E	Chip	-	Sheared argillite(?) below quartz vein (TC-87-060). Rusty, well fractured rock. No bedding evident. Possible volcanic(?)	10
TC-87-064	Standard Grid 3+55N, 1+92E	Grab	-	Ankeritic material at east end of TC-87-015 area. Vein 25 cm in width composed of quartz, ankerite and hornfelsed sedimentary material. Mariposite on contacts.	nd
TC-87-065	Standard Grid 3+55N, 1+90E	Grab	-	Quartz veining in fine-grained quartz feldspar porphyry. Minor pyrite. Limonitic fractures.	5
TC-87-066	Standard Grid 3+80N, 1+80E	Soil	-	Dark red soil sample from vicinity of TC-87-016.	nd
TC-87-067	Standard Grid 4+00N, 1+75E	Chip	-	Rusty brown highly altered and sheared rock with remnant feldspar(?) phenos. Ubiquitons mariposite. Occasional quartz pods.	nd

Sample	Location	Type	Width	Description	Au (ppb)
TC-87-068	Standard Grid 3+97N, 1+72E	Grab	-	Outcrop in trench. Fine-grained medium to dark brown rock of possible ankeritic composition.	nd
TC-87-069	Standard Grid	Grab	-	Talc rock cut by hematized shears to 5 mm.	nd
TC-87-070	Standard Grid	Grab	-	Quartz vein material from TC-87-067 location.	nd
TC-87-071	Standard Grid	Chip	-	TC-87-013 location. Quartz vein material.	nd
TC-87-072 TC-87-073	Standard Grid 3+10N, 2+06E	Chip	-	Sheared rusty argillite exposed in creek bed. Fine-grained pyrite on occasional fractures. Pervasive limonitic alteration.	
TC-87-074 TC-87-074A	Standard Grid 0+90N, 2+40E	Chip	-	Broken rusty rock in subcrop. Probable argillite.	70 5
TC-87-075	Standard Grid 0+00, 3+75E	Chip	-	Broken hematized rock similar to TC-87-074. Probable argillite.	5
TC-87-076	Standard Grid 3+75N, 1+50E	Grab	-	Quartz vein 0.5 m thick exposed in creek bed.	nd
TC-87-077	Standard Grid 3+75N, 1+50E	Grab	-	Altered rock cut by above quartz vein. Minor visible arsenopyrite.	nd
TC-87-078	Butte X-Cal	Grab Chip	-	Rusty light brown weathering rock. Weakly foliated. Appears to be intrusive in origin. Cut by occasional quartz vein to 2 cm. Altered aplite(?) Jointing @ 333°/75°N. Shearing @ 099°/74°N.	500
TC-87-079	Butte X-Cal	Grab	-	Highly altered intrusive rock. Possible ultramafic. Cut by quartz veins to 5 cm. Pale green talc in vicinity.	5

Sample	Location	Type	Width	Description	Au (ppb)
TC-87-080	Butte X-Cal	Grab	-	Float from cirque at head of Aggie Creek. Listwanitic in appearance. Similar to rocks at Standard Adit.	nd
TC-87-081	Butte X-Cal	Grab	-	Similar to 080. Outcrop consisting of highly rusty rock at contact between serpentinized ultramafic and argillite. Cut by abundant quartz veining to 1-2 cm. Some quartz, chalcedonic in appearance.	nd
TC-87-082	Butte X-Cal			10 m uphill from previous sample. Medium grey seemingly brecciated rock cut by occasional quartz veinlets to 3 mm. Contains mariposite and disseminated magnetite.	nd

Sample	Location	Type	Width	Description	Au (ppb) Ag (ppm)
JF-87-001	Standard Grid 5+80N, 0+65E	Grab Float From Old Trench	-	Massive to coarsely crystalline vuggy white quartz, patches of disseminated pyrite, disseminated blue grey material with grey streak unidentified, minor mariposite, trace galena, trace malachite.	nd 100
JF-87-002	Royal 85 Metres at 85° from the Royal Adit	Grab/ Float	-	Massive, milky white quartz, no visible sulphides, evidence of weathered out pyrite.	nd 12.8
JF-87-003	Royal 75 Metres at 70° from the Royal Adit	Grab	-	Strongly chloritized and silicified diorite, rusty on weathered surface, 1% pyrite and pyrrhotite as pods and disseminations, trace chalcopyrite on periphery of pyrite, mineralization associated with lenses and small stringers of quartz.	nd 6.1
JF-87-004	Royal Trench Located 20 Metres Above the Royal Adit Portal	Chip	2.3 m	Massive, milky white quartz vein, locally rusty weathering on fractures, no visible sulpides, evidence of weathered out pyrite, width and orientation of vein not discernible.	nd
JF-87-005	Royal In Royal Creek 12 Metres at 130° from Royal Adit Portal	Grab	-	Massive, milky white quartz vein, locally rusty weathering on fractures, quartz vein 15 cm wide and oriented at 50°/20S.	nd

Sample	Location	Type	Width	Description	Au (ppb)
JF-87-006	Royal Northside of Road 160 Metres East of Where Line 10 Meets the Road	Grab/ Float	-	Fine-grained diorite, chloritized and silicified, grain boundaries still visible, quartz stringers and lenses noted locally, 1/2% pyrite as disseminations.	nd
JF-87-007	Royal	Chip	1.0 m	Massive, milky white quartz vein, approximately 1.0 m wide, oriented 164° and dips steeply to the east; no visible sulphides.	nd
JF-87-008	Royal	Grab	-	5 cm wide quartz vein oriented at 31° and dips 68 southeast, milky white, locally vuggy texture, no visible sulphides.	220

Sample	Location	Type	Width	Description	Au (ppb) Ag (ppm)
JW-87-001	Lower Piebiter 3rd Switchback Drilling Access Road	Chip	1.0 m	Sheared serpentinite.	nd
JW-87-002	Upper Piebiter	Rock Sample from Outcrop		Metasediments. Quartzite/? equigranular, foliated, up to 1% disseminated sulphide/pyrrhotite.	nd
JW-87-003	Western Side of Standard Creek Grid	Grab/ Float from Ridge Top	-	Foliated polymictic conglomerate/agglomerate Angular to rounded clasts of variable size in fine-grained oxidized matrix. Trace of pyrite up to 1%.	nd
JW-87-004	Western Side of Standard Creek Grids @ 2+00N, 4+75W	Grab/ Float in Talus Slope	-	Quartzite/pyrite. Weathering smooth reddish orange to form rounded cobbles - boulders. Fine equigranular massive, pinkish to greenish grey assemblage (secondary biotite with chlorite?) No apparent sulphide mineralization.	5
JW-87-005	Western Side of Standard Creek Grid @ 2+50N, 4+15W	Grab/ Float	-	Quartz vein material, iron oxide staining, no apparent mineralization.	nd
JW-87-006	Ridge Traverse			Hand specimen, marginal phase of intrusive quartz diorite.	nd
JW-87-007	Piebiter Creek Below Royal Cirque C.G.'s	Grab Sample of Talus Below Cliff Face/ Exposure		Altered intrusive pink-orange, feldspar altered locally to clay, hematitic stained, mafics to chlorite, carbonate disseminated throughout. Irregular clusters of pyrrhotite up to 5% with trace chalcopyrite.	nd
JW-87-008	Piebiter Creek	Grab/ Float	-	Quartz vein material, distinct odour of As when struck by hammer. Grains of pyrite (up to 2 mm) up to 1-2%.	nd 5.9

Sample	Location	Type	Width	Description	Au (ppb)
JW-87-009	Butte IXL	Grab/Dump Material	-	Chlorite rich material locally silicified, cut by thin (1-3 mm) quartz veinlets. Disseminations and stringers of pyrrhotite and possibly sphalerite.	nd
JW-87-010	Butte X-Cal	Grab/Dump Material	-	Quartz vein material (0.3 m) within fine-grained, feldspar rich aplite dyke. Local clay alteration of dyke. Fine-grained (1 mm) disseminations of limonite and some sulphides (pyrite?).	nd
JW-87-011	Red Hawk	Grab	-	Sample of quartz collected from dump of collapsed adit. Believed to be Gopher Tunnel of old reports.	nd
JW-87-012	FL 0+25W	Grab Sample of Talus	-	Silicified metavolcanics, fine-grained equigranular, massive, slightly chloritized with disseminations of pyrrhotite (up to 1-2%).	nd
JW-87-013	FL 0+25W	Grab/ Float Along Ridge Top	-	Chlorite schist/sheared metavolcanics, fine equigranular chloritized, layers consisting of sericite/hematite containing cubes of pyrite (up to 1 mm) at approximately 5%.	nd
JW-87-014	FL 1+25W	Grab/ Float	-	Chloritized mafic volcs, weathers rusty brown on irregular fracture surfaces, fine equigranular, no apparent mineralization.	nd
JW-87-015	FL 3+68W	Grab/Dump Material Near Trench	-	Buff to brown, hand semi-conchoidal fracture, fine equigranular massive amphibolite weakly chloritized disseminated sulphide (up to 5%) dry magnetite on irregular fracture surfaces.	5
JW-87-016	FL 8+78W	Grab/Dump Material Near Trench	-	Fine-medium equigranular quartzite oxidized on weathered surface weakly chloritized. Occasional cubes of pyrite (0.2 mm) (up to 0.5%).	nd

Sample	Location	Type	Width	Description	Au (ppb)
JW-87-017	FL 8+78W	Chip Sample Across 60 cm of Quartz Vein	-	Quartz vein material with abundant weakly hematized fractures running across trench (312/66).	nd
JW-87-018	FL 8+78W	Rock Sample from Trench	-	Rock sample from fine silicified metaseds adjacent to quartz vein. Vuggy: no apparent mineralization.	nd

2.3 Mineralization

The Cadwallader Gold Belt is characterized by the association of gold bearing quartz veins with a complex northwest trending fault system that occupies the Cadwallader Creek Valley. Altered ultramafics (serpentinites) are closely associated with the fault system and gold mineralization. Structural controls on the mineralization are best described by Joubin (1948) in Structural Geology of Canadian Ore Deposits. Joubin indentifies the serpentinite contact as one of the important ore controls in the Bralorne-Pioneer Complex.

A number of northwest trending structures and altered ultramafic (serpentinite, listwanite) bodies (fault emplaced?) have been identified on the Standard Creek Property and are believed to be extensions of the Cadwallader Gold Belt. Cairnes (1937) in Geology and Mineral Deposits of the Bridge River Mining Camp describes several prospects (Standard, Royal, Butte-I.X.L., Red Hawk) associated with these structures. Clothier (1933) reports that a crosscut adit driven on the Standard prospect intersected a 21 metre zone that would average 4.3 grams/tonne (0.125 oz/ton) gold. Exploration efforts on the Standard Creek Property continue to identify mineralized areas.

3.0 GEOPHYSICS

Approximately 27.0 kilometres of grid line was placed on the Standard (15.0), Chopper (1.4), Royal (1.2), Piebiter (3.9) and Red Hawk (5.5) zones for geophysical (VLF/EM, magnetic) and geochemical surveys. The grids were established by hip chain and compass traverses and appropriate base lines were selected for control.

3.1 Methods and Procedures

Magnetometer surveys were carried out on the Standard, Chopper, Royal and Piebiter grids. Stations were selected at 10 or 25 metre intervals along grid lines and magnetic data was collected using a Scintrex MP-3 Proton Magnetometer. Data was corrected for diurnal variation using the loop method.

VLF/EM surveys were carried out on the Standard, Chopper, Piebiter and Red Hawk grids. Data was collected from 10 or 25 metre stations using a Geonics EM 16 VLF-electromagnetic receiver tuned to Jim Creek (Seattle), Washington or Cutler, Maine.

3.2 Presentation of Results

The results of the geophysical surveys are shown on drawings GP 1000 to GP 1013 inclusive at a scale of 1: 2,500 and 1:5,000.

Magnetic data (total intensity) has been contoured and is presented as relative values using a base of 57,000 gammas. VLF/EM data is shown in both Fraser Filter and profile (basic data) form. Interpretation and evaluation of the results are discussed in Section 5.0.

4.0 GEOCHEMISTRY

4.1 Sampling, Sample Preparation and Analytical Procedure

Soil samples were collected from four of the five grids on the Standard Creek Property. Soil sample lines were run perpendicular to the base line and spaced every 50 metres. Soil sample sites were chosen every 25 metres and the sample site was marked on flagging tape. Soil samples were selected from the 'B' horizon wherever possible. Samples were normally collected with a "tree planters" shovel from 30 to 50 cm deep. A total of 534 soil samples were collected from the Standard (123), Piebiter (186), Royal (50) and Red Hawk (175) Grids.

All samples were placed in Kraft paper envelopes and shipped to Vangeochem Lab Ltd. in North Vancouver, B.C. for Au and ICP analysis. Sample preparation and analytical procedures are given in Appendix II.

A total of 121 rock samples were collected in conjunction with the geological mapping of the property. An additional 34 rock samples were collected from surface mineralization covered by the Piebiter Grid. All samples were shipped to Vangeochem Lab. Ltd. for Au and ICP analysis. Rock sample preparation and analytical procedures are given in Appendix II.

4.2 Presentation of Results

Arsenic and gold results are shown in drawings GC 1000 to GC 1005 inclusive at a scale of 1:2,500. The results have been selectively contoured. A complete listing of analytical results for soil and rock samples are included in Appendices III and IV. Interpretation and evaluation of the results are discussed later in the report (Section 5.0).

5.0 DISCUSSION OF RESULTS

Detailed geological, geophysical and geochemical surveys were carried out on five areas of interest. Limited investigations were carried on the Butte-I.X.L., Butte-X-Cal and Chalco/Lower Piebiter areas. Results are encouraging and are summarized below.

5.1 Standard Zone

The Standard grid covers a number of old workings centering around the Standard Adit (0 + 00, 5 + 00N). The adit (caved and inaccessible) is reported by Cairnes (GSC Memo 213) and Clothier (BCDMAR, 1933) to have crossed a 21 metre, northly trending mineralized section averaging 4.3 grams/tonne (0.125 oz./ton) gold with gold values up to 5.8 grams/tonne (0.17 oz./ton). Cairnes also reports that trenching was carried out on several zones of interest including: Zone (1) a 1.2 metre wide quartz vein, Zone (2) a well defined ridge with a 4.5 - 6.0 m zone of highly sheared rock containing quartz veins and mariposite and zones (3), (4) sheared and talcose carbonate rocks above and below the adit.

Geophysical and geochemical surveys on the Standard grid clearly outline the zones identified by Cairnes. VLF/EM surveys (Dwg. GP 1001) show two well defined northwest-southeast trenching conductors above the Standard Adit. The conductors run parallel to Standard Creek, are approximately 150 metres apart and can be traced for over 1000 metres. The lower conductor corresponds with Cairnes Zone (2). Results of the magnetometer survey show a highly magnetic zone southeast of the Standard adit (0 + 50 E, 3 + 50 N). The zone is coincident with several isolated outcrops of altered ultramafics.

Soil sample results are consistent with earlier sampling and outline a large (200 x 500 m) northwest-southeast trending arsenic anomaly (Dwg. GC 1000) near the Standard Adit. The anomaly is open northwest of the adit

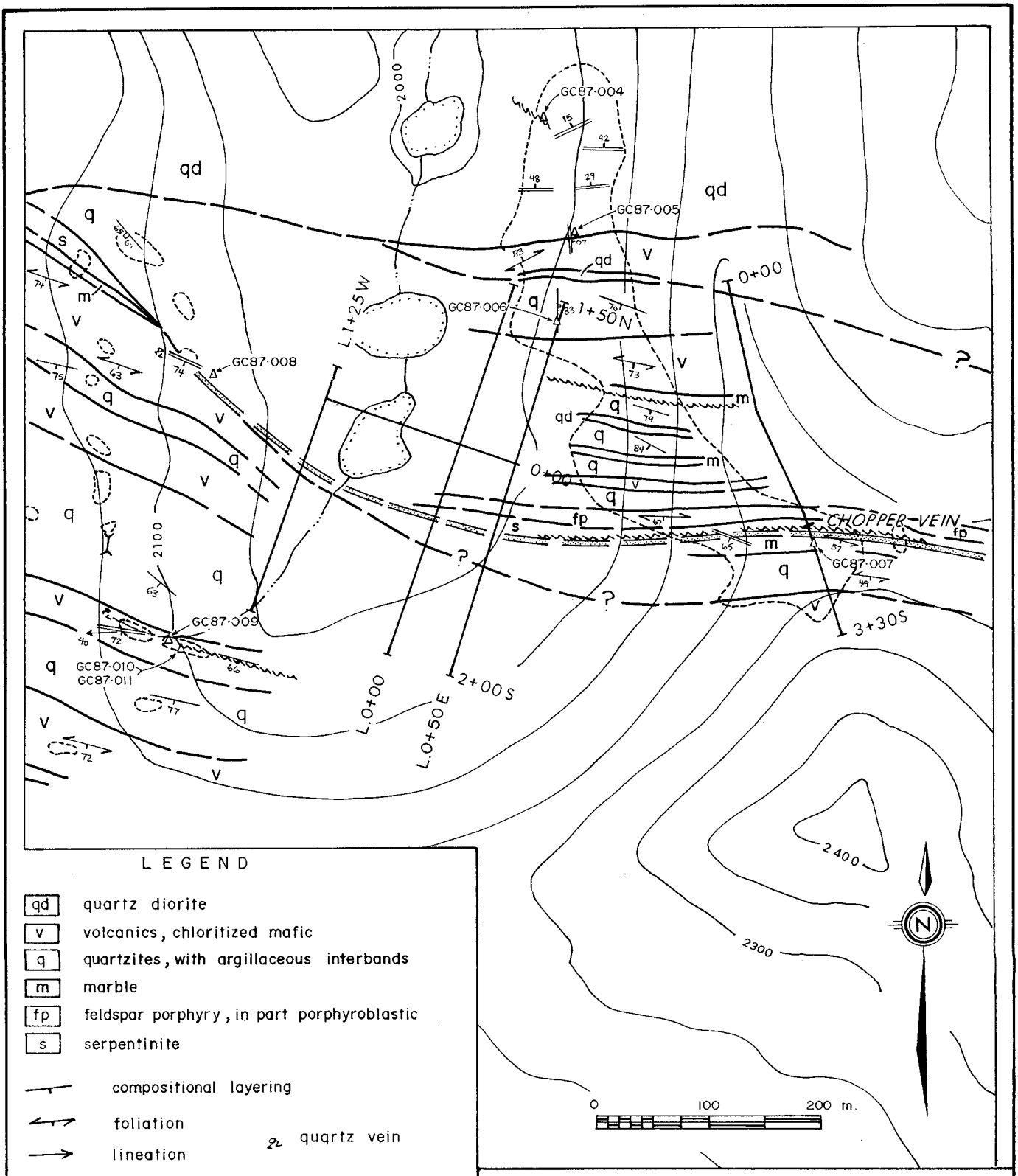
and southeast of the survey area. The anomaly shows sharp side boundaries. The northwest boundary corresponds with the lower VLF/EM conductor and the southwest boundary with Standard Creek. Rock samples with highly anomalous arsenic values (up to 6586 ppm) occur within the soil anomaly.

Geological mapping (Dwg. G 1000) has indentified several outcrops of listwanite (altered ultrabasics) on the Standard grid. Two of the outcrops are believed to be Cairnes Zone (3), 5 + 50 N, 1 + 50 E, and Zone (4) 3 + 50 N, 0 + 00. Silver bearing quartz veins were found north and slightly east (1 +15 E, 5 +80 N; 2 +15 E, 6 +95 N) of the Standard Adit. Rock samples collected from these two locations carried 100 ppm and 7.1 ppm silver respectively.

5.2 Chopper Zone

On the northeastern boundary of the property, the "Chopper Vein" occurs along a major west-northwesterly trending vein structure. The vein dips from 65° to 74° to the south and can be traced intermittently for 1,600 metres. Widths vary from 2 to 10 metres and average 3 metres. Values of up to 1585 grams/tonne (46.36 oz./ton) silver are reported by earlier workers (E. Sheppard, 1979).

Geological mapping (Dwg. G 1001) of the Chopper zone suggests the vein occupies a major fault structure and has identified serpentinite bodies closely associated with the vein. Reconnaissance rock geochemical sampling (Dwg. GC 1001) shows elevated values for gold and arsenic. The results of VLF/EM and magnetometer orientation surveys (Dwg. GP 1003-GP 1007) designed to trace the vein structure to the northwest were inconclusive.



LEGEND

- qd — quartz diorite
- v — volcanics, chloritized mafic
- q — quartzites, with argillaceous interbands
- m — marble
- fp — feldspar porphyry, in part porphyroblastic
- s — serpentinite

- compositional layering
- foliation
- lineation
- jointing
- dyke or vein
- geological contact (defined, assumed)
- shear
- outcrops examined
- quartz vein
- Chopper Vein (defined, assumed)
- GC87-004 Sample location & number

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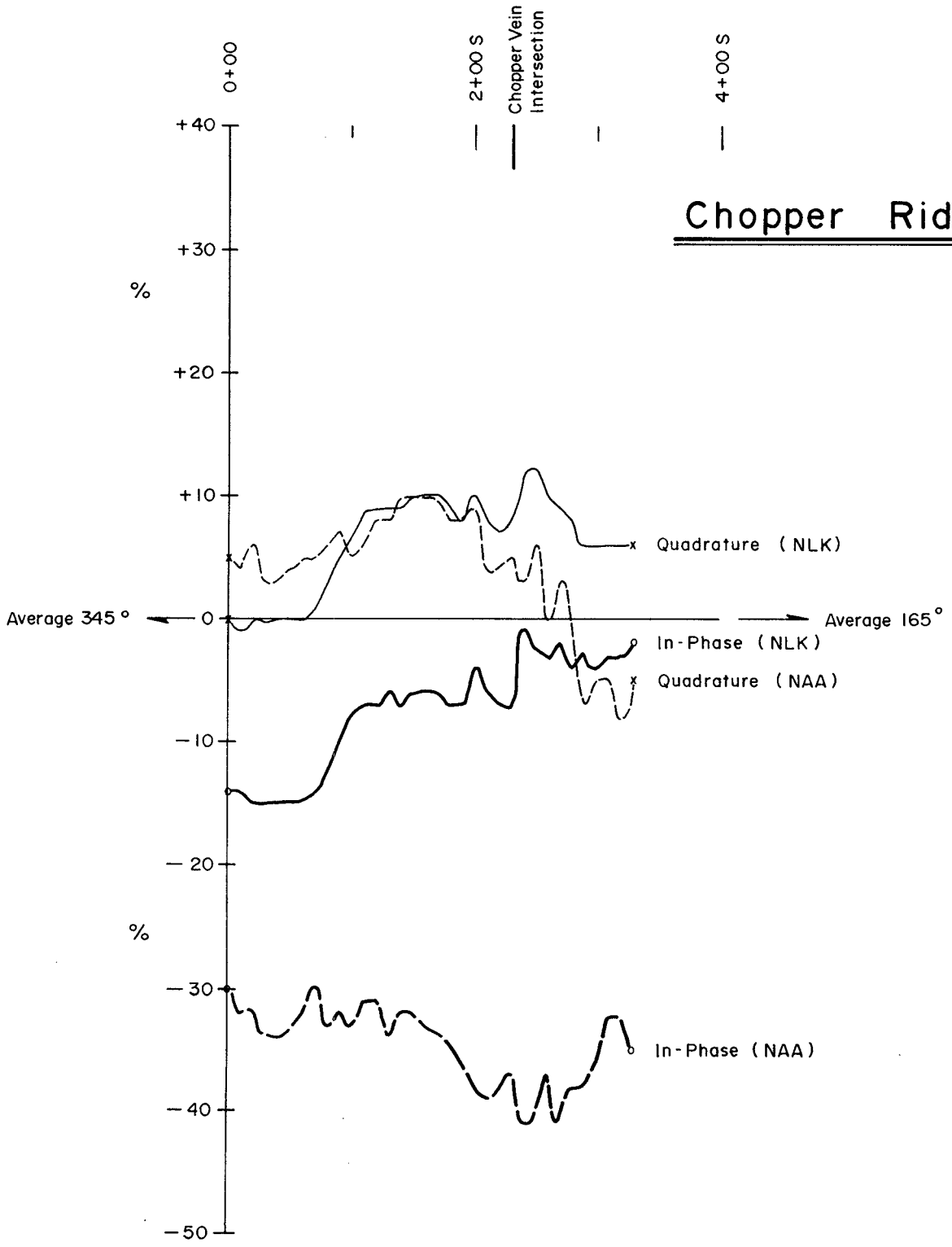
STANDARD CREEK PROPERTY

- CHOPPER GRID -

DETAILED GEOLOGY

Azimuth Geological	By: G.C.	Figure: G-1001
	Scale: 1 : 5000	
	Date: Nov. 1987	



——— NLK - Jim Creek, Washington

– – – NAA - Cutler, Maine

0 50 100 200 300

SCALE IN METRES
(horizontal)

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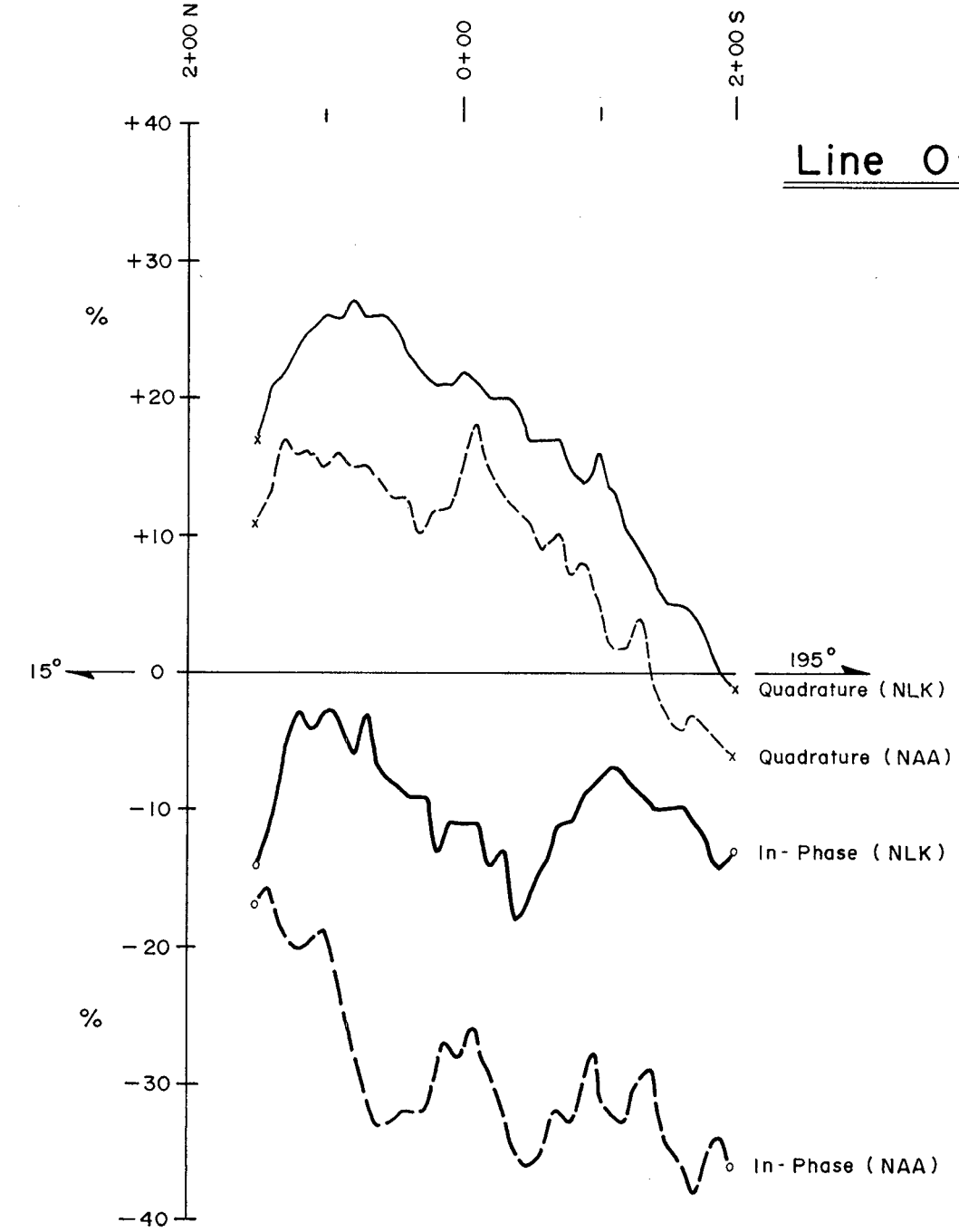
STANDARD CREEK PROPERTY

— CHOPPER GRID —
VLF - EM SURVEY
CHOPPER RIDGE
IN PHASE & QUADRATURE PROFILES

Azimuth Geological	By: K.K.	Figure: GP. 1003
	Scale: 1 : 5000 hor.	
	Date: Nov 1987	



NLK - Jim Creek, Washington

NAA - Cutler, Maine

0 50 100 200 300

SCALE IN METRES
(horizontal)

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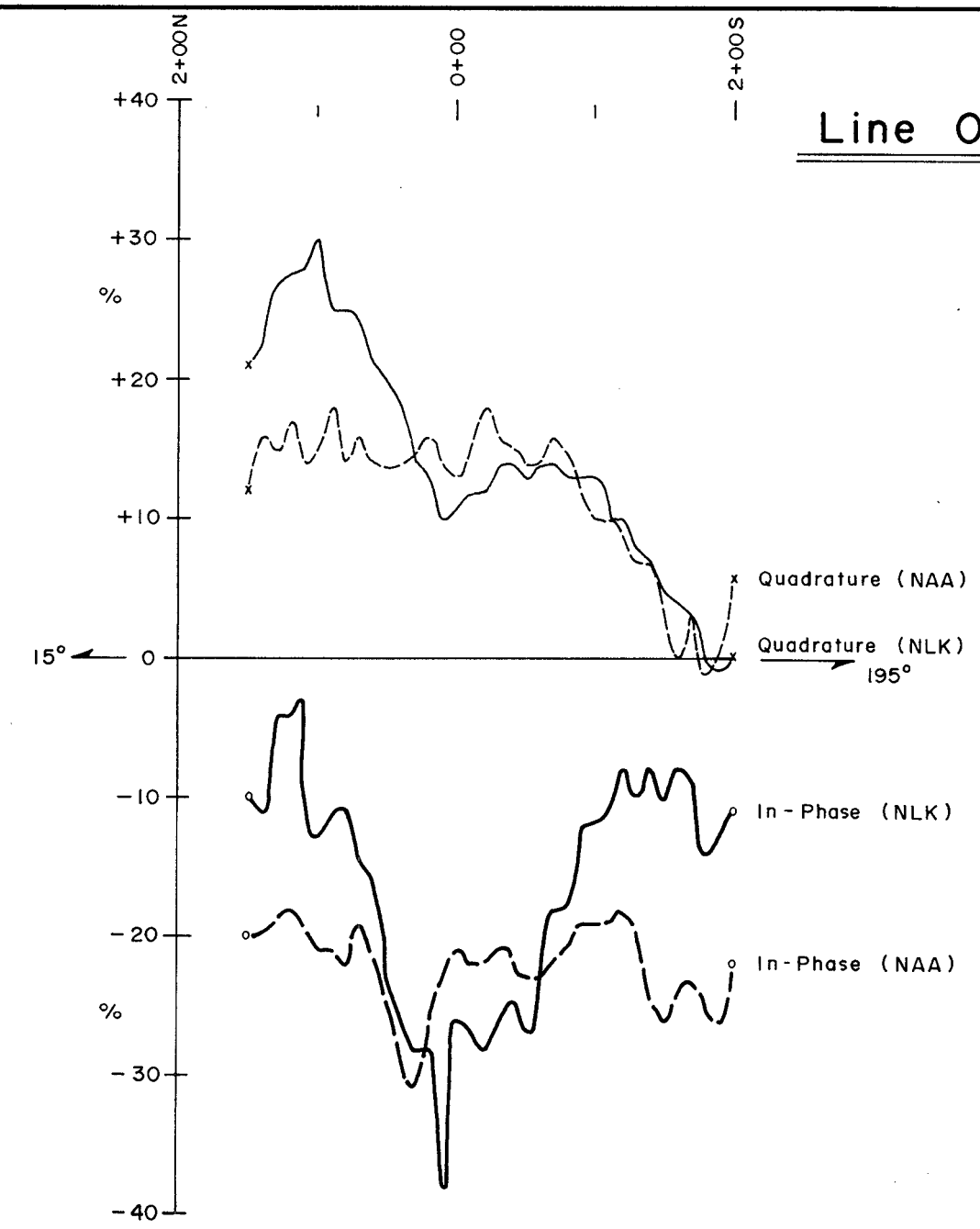
STANDARD CREEK PROPERTY

- CHOPPER GRID -

VLF-EM SURVEY
CHOPPER CIRQUE, LINE 0+50E
IN PHASE & QUADRATURE PROFILES

Azimuth Geological	By: K.K.	Figure: GP. 1004
	Scale: 1 : 5000 hor.	
	Date: Nov. 1987	



——— NLK - Jim Creek, Washington

– – – – NAA - Cutler, Maine

0 50 100 200 300

SCALE IN METRES
(horizontal)

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STANDARD CREEK PROPERTY

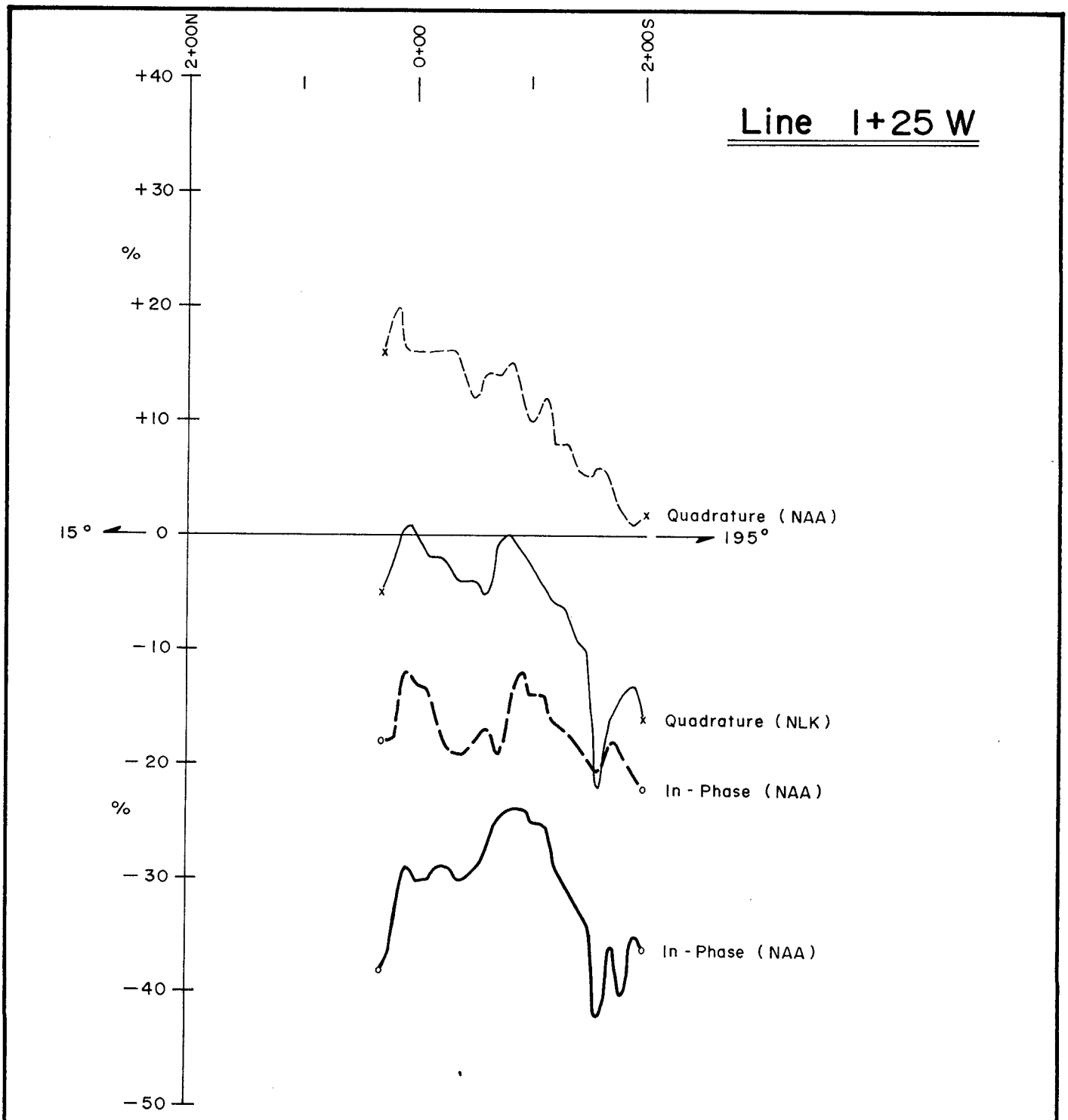
– CHOPPER GRID –

VLF - EM SURVEY

CHOPPER CIRQUE, LINE 0+00

IN PHASE & QUADRATURE PROFILES

Azimuth Geological	By: K.K.	Figure: GP. 1005
	Scale: 1 : 5000 hor.	
	Date: Nov. 1987	



NLK - Jim Creek, Washington

NAA - Cutler, Maine

0 50 100 200 300

SCALE IN METRES
(horizontal)

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

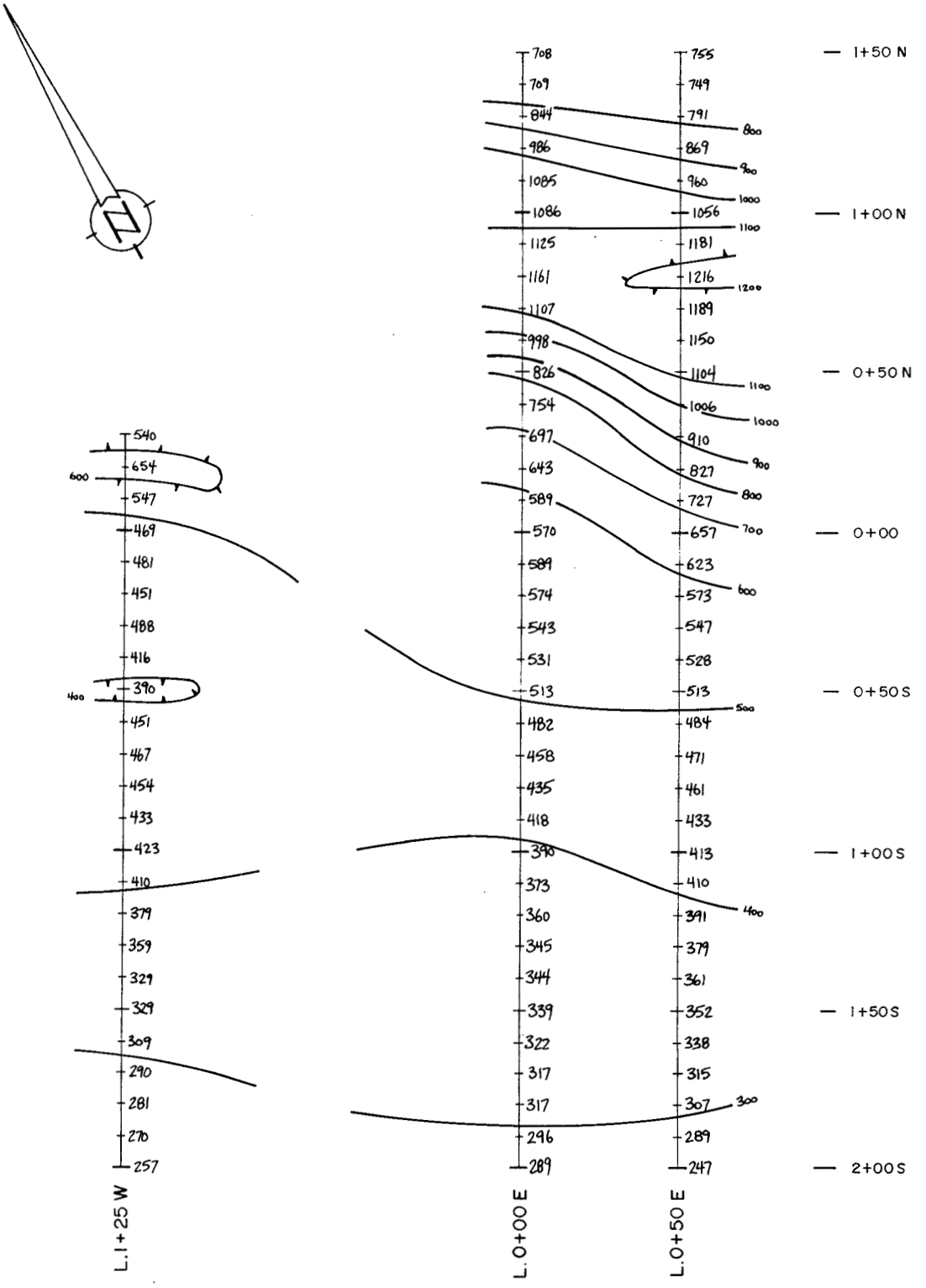
— CHOPPER GRID —

VLF-EM SURVEY

CHOPPER CIRQUE, LINE 1+25 W

IN PHASE & QUADRATURE PROFILES

Azimuth Geological	By : K.K.	Figure : GP-1006
	Scale : 1 : 5000 hor.	
	Date : Nov. 1987	



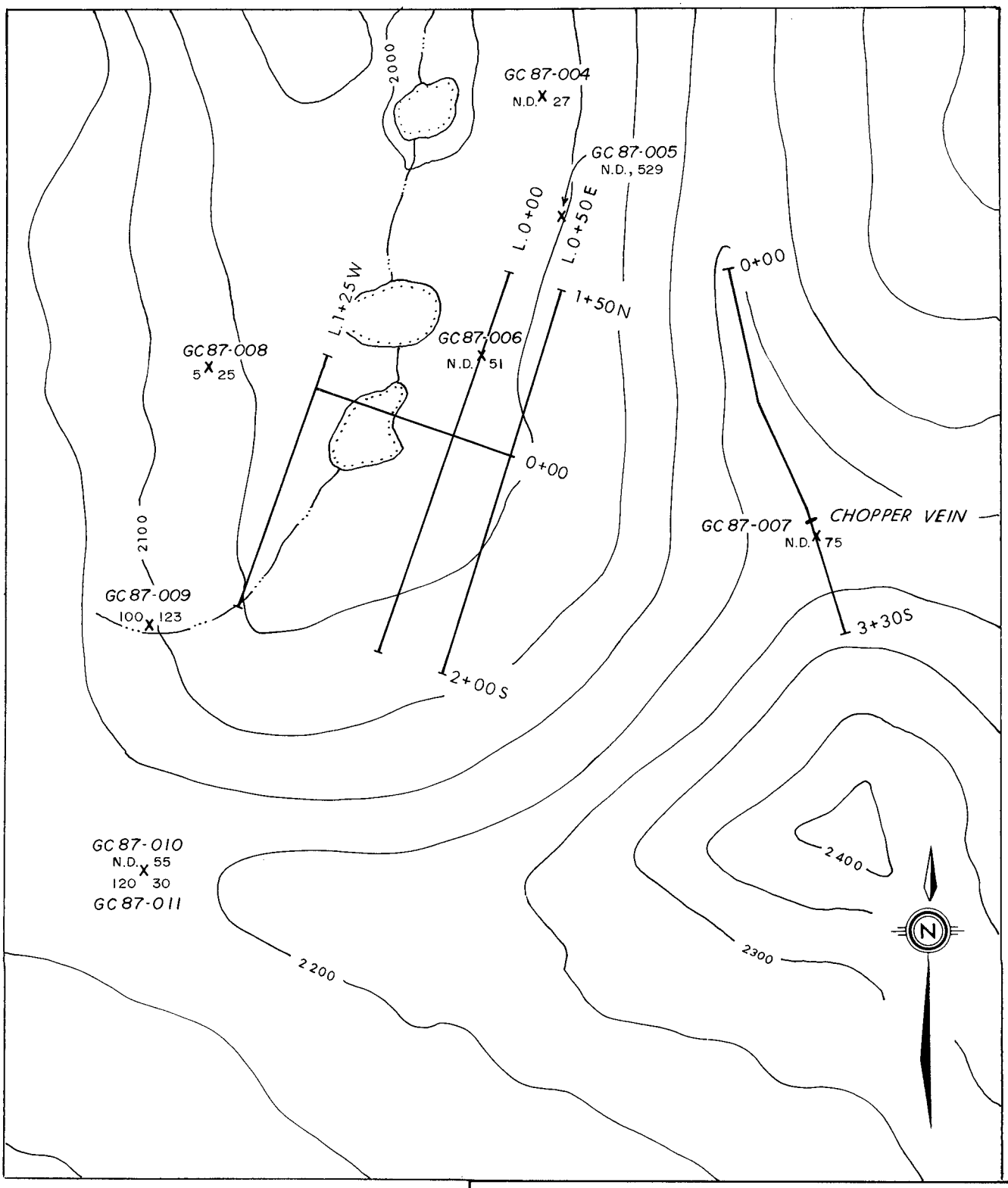
Base level : 57,000 Gammas

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

– CHOPPER GRID –
MAGNETOMETER SURVEY
CHOPPER CIRQUE
CORRECTED DATA

Azimuth Geological	By: K.K.	Figure: GP-1007
	Scale: 1 : 2000	
	Date: Nov. 1987	



sample no.
X
Au (ppb) As (ppm) in rocks

NTS 92 J/10

0 100 200 metres

Scale 1 : 5000

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

- CHOPPER GRID -

GEOCHEMISTRY

Gold (ppb), Arsenic (ppm)

Azimuth Geological	By: G.C.	Figure: GC-1001
	Drawn: 1 : 5000	
	Date: Nov. 1987	

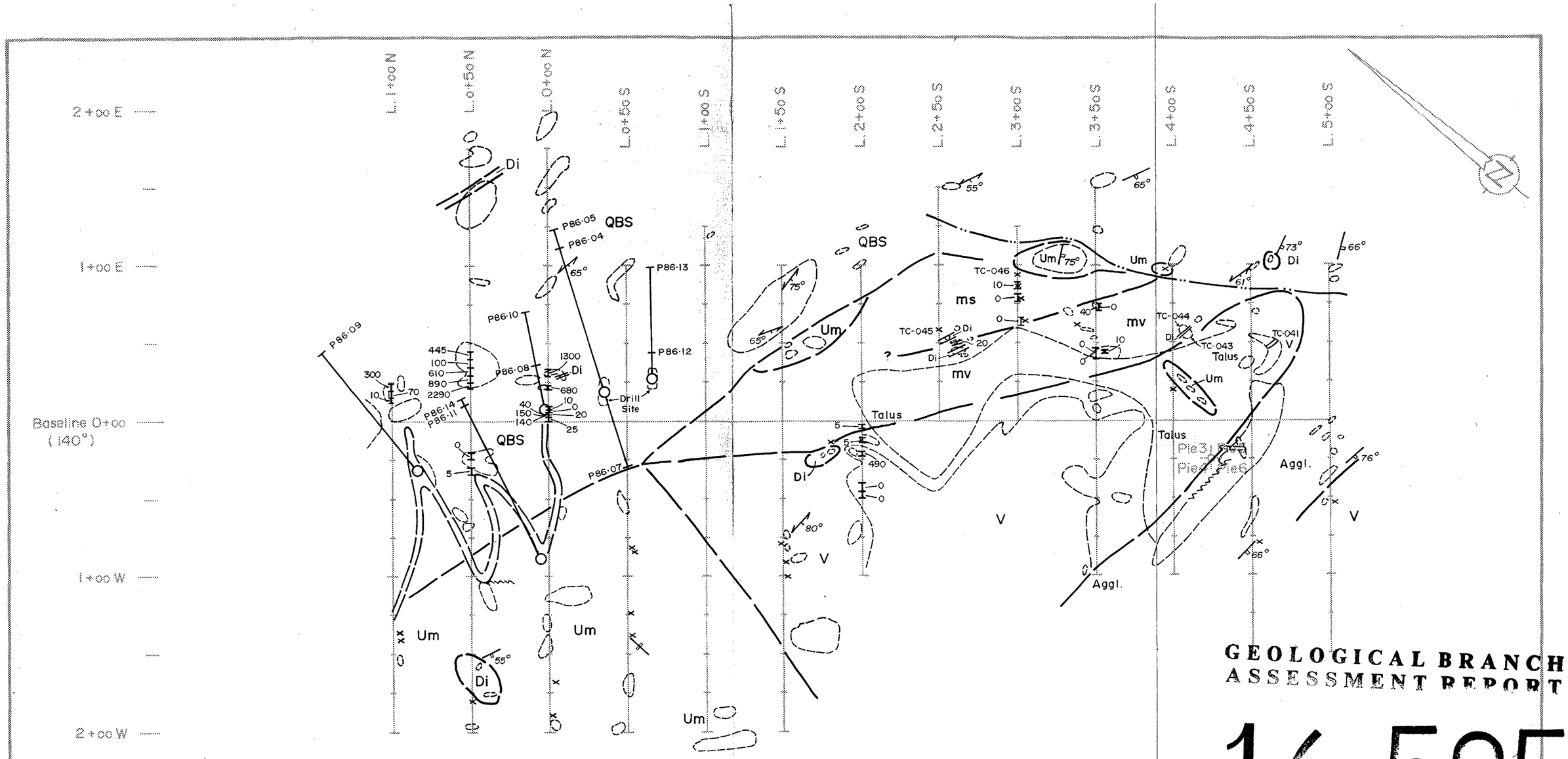
5.3 Upper Piebiter Zone

The Upper Piebiter Zone was discovered in 1985 and is exposed on surface as a large (60m x 150m) iron stained quartz-biotite schist (metavolcanic ?). Drill testing of the zone in 1986 partly defined a 15-35 metre wide zone averaging 0.6-0.7 grams/tonne gold (0.02 oz/ton) with values up to 5.7 grams/tonne (0.16 oz/ton). Drill results suggest the zone may have a strike length of 600m and that the zone is open to the southeast.

The Piebiter grid was established with the discovery zone at the northwest corner (L0 + 50 N, 0 + 30E) of the gird. Results of the 1987 soil sampling (Dwgs. GC 1002 - 1003) show a strong gold - arsenic anomaly coincident with the discovery zone. Arsenic and gold soil results indicate a continuation of the zone to the southeast (L3 + 50S, 1 + 00E). A second soil anomaly occurs south of the main anomaly (L1 + 50S, 1 + 7S) and overlies altered ultramafics.

Strong VLF/EM conductors (Dwgs. GP 1008-1009) are associated with the principal anomalous zone. Results of the magnetometer survey (GP 1010) show several isolated high values but no general patterns.

Geological mapping (Dwg. G 1002) has identified several altered (serpentinized) ultramafics that are spatially related to the geochemical and geophysical anomalies.



Di - Diorite

Um - Ultramafics (serpentinized)

V - Massive volcanics

mv - Metavolcanics (schistose)

ms - Pelitic metasediments (possibly volcanics)

QBS - Quartz Biotite Schist (variable composition)

Aggl. - Agglomerate

Outcrop

Strike + Dip (jointing, foliation)

Geological contact (interred)

Fault

Creek

Road

L.C.P. Legal Claim Post

Diamond Drill Hole + number

Chip Sample Location + Assay Au (ppb)

0 50 100 150 Metres

ARMENO RESOURCES INC.

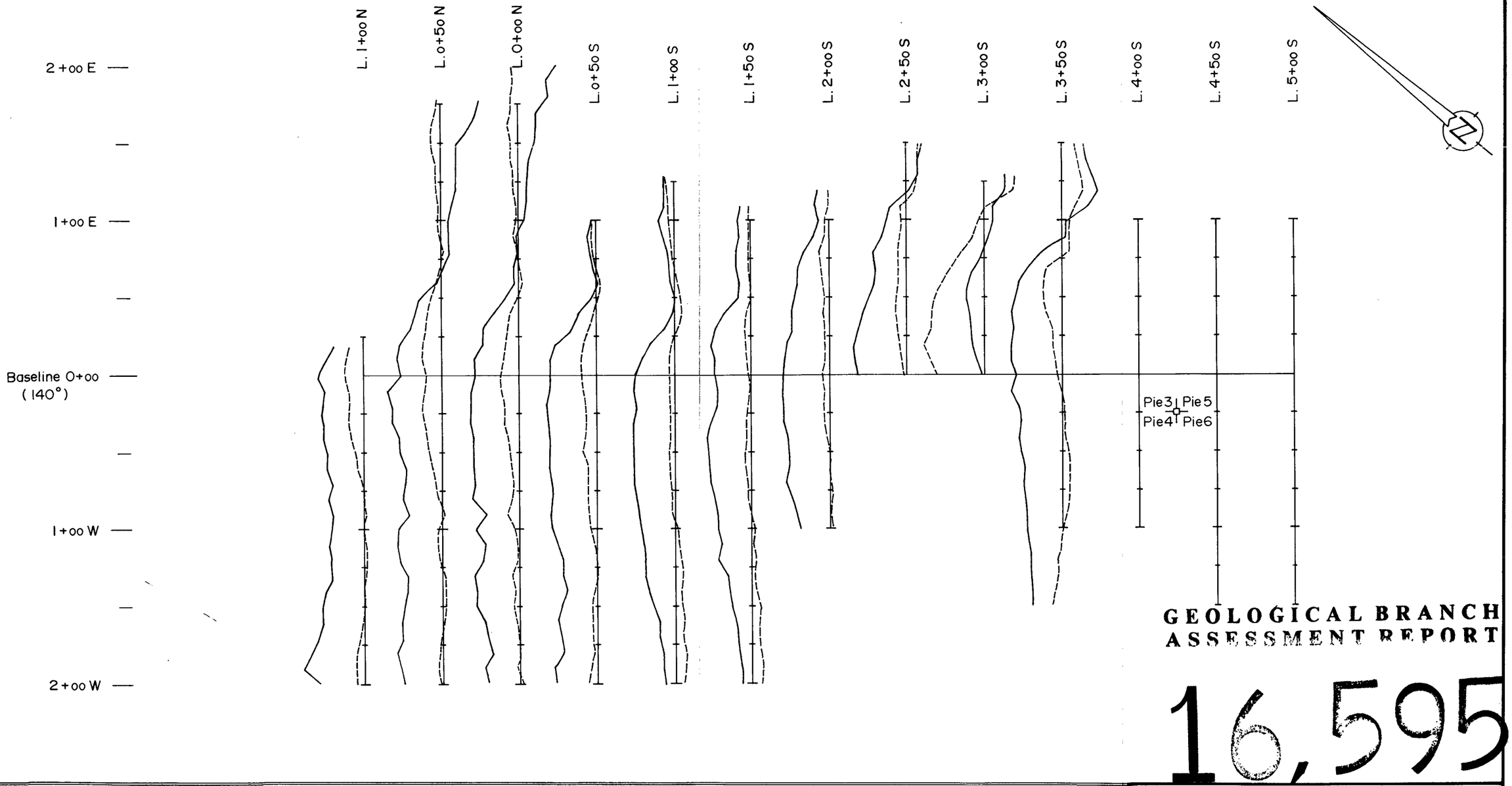
TRANS ATLANTIC RESOURCES INC.

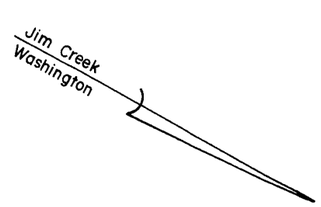
STANDARD CREEK PROPERTY

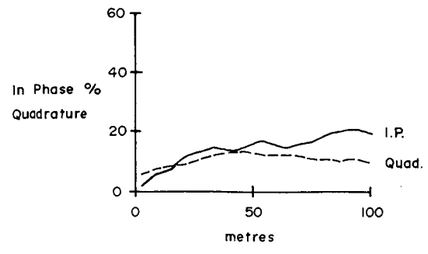
— PIEBITER GRID —

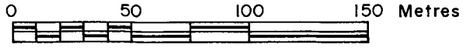
DETAILED GEOLOGY

Azimuth Geological	By: T.H.C.	Figure: G-1002
	Scale: 1:2500	
	Date: Nov. 1987	









ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

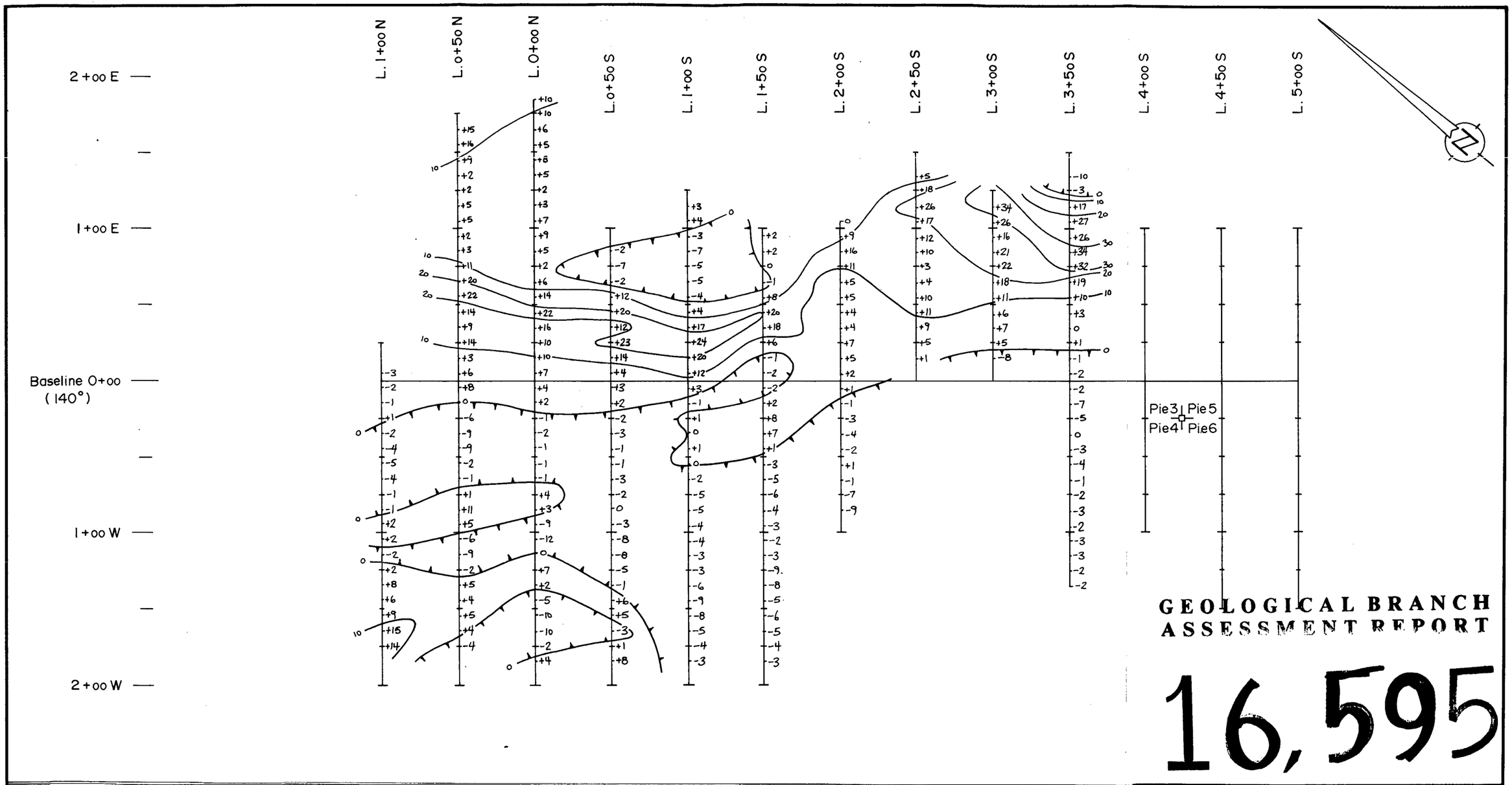
STANDARD CREEK PROPERTY

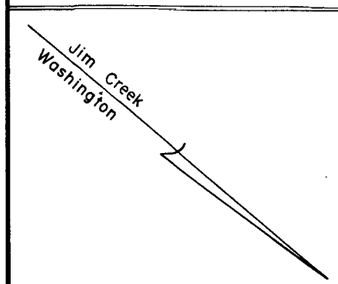
— PIEBITER GRID —

VLF-EM-16 SURVEY

In-Phase % & Quadrature Profiles

Azimuth Geological	By: K.K.	Figure: GP-1008
	Scale: 1:2500	
	Date: Nov. 1987	

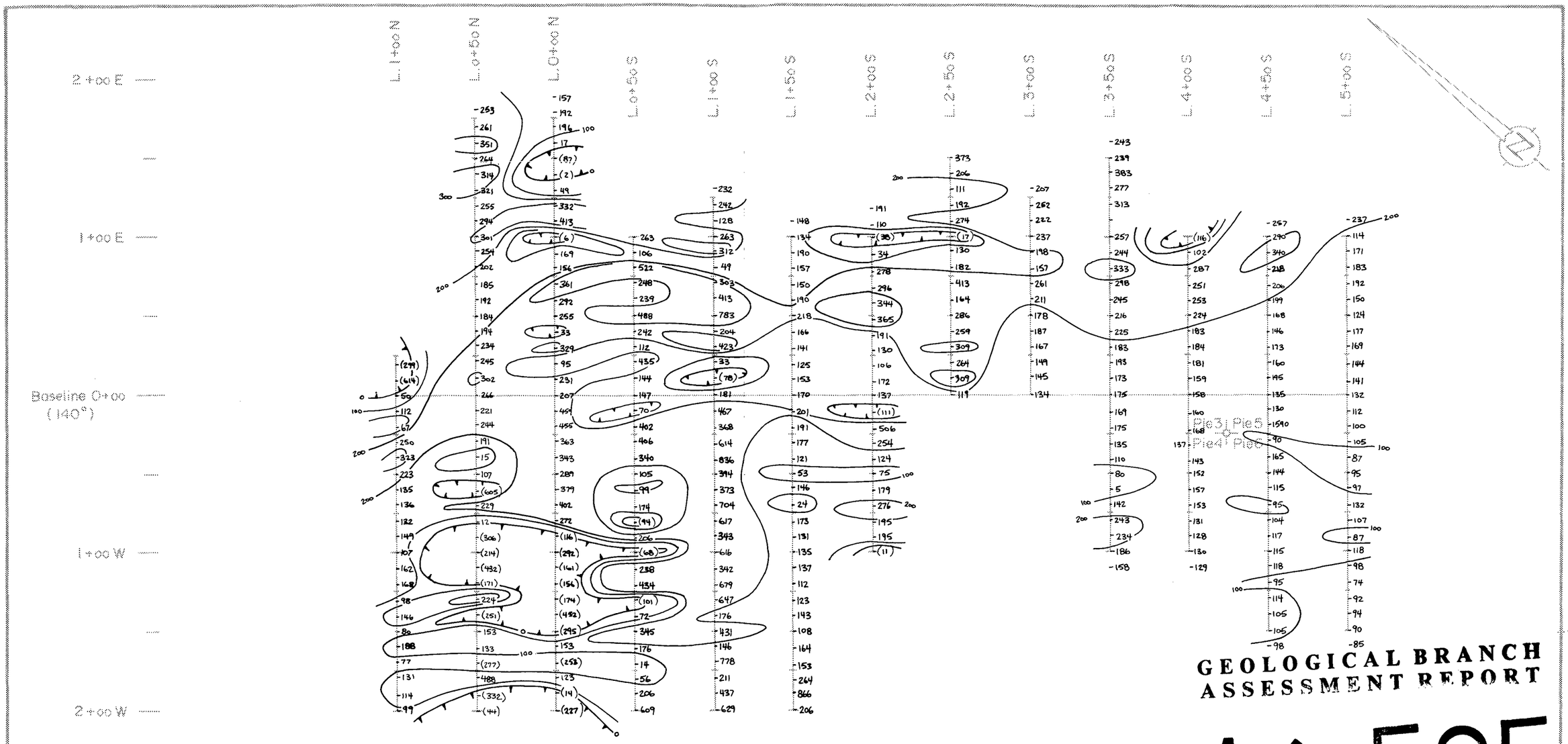




0 50 100 150 Metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— PIEBITER GRID —
VLF-EM·16 SURVEY
Fraser Filter Contours

Azimuth Geological	By: K.K.	Figure: GP·1009
	Scale: 1 : 2500	
	Date: Nov. 1987	



Base level : 57,000 Gammas

0 50 100 150 Metres

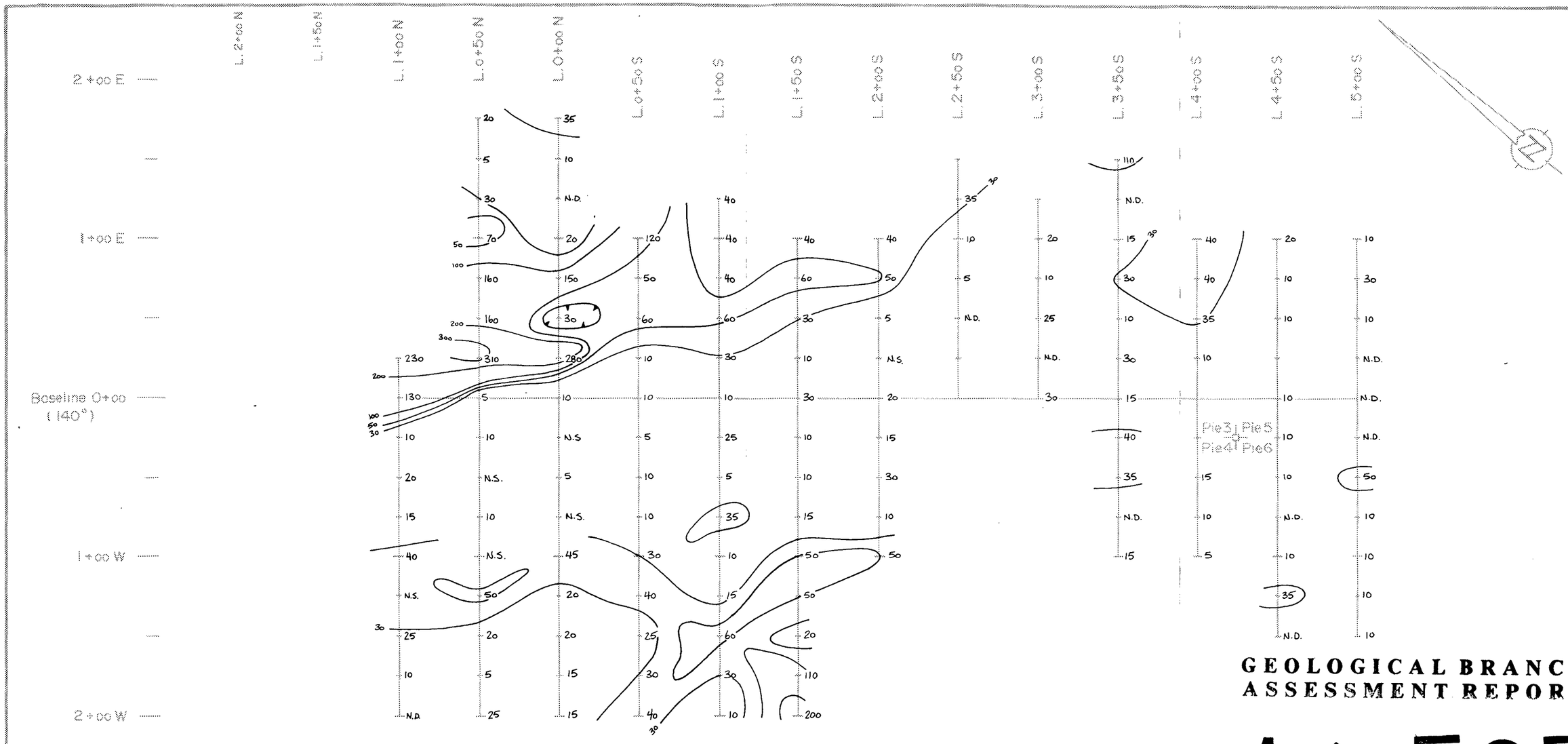
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595

TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— PIEBITER GRID —

MAGNETOMETER SURVEY

Azimuth Geological	By: K. K.	Figure: GP-1010
	Scale: 1 : 2500	
	Date: Nov. 1987	



Au (ppb) contoured at 30,50,100,200 ppb

0 50 100 150 Metres

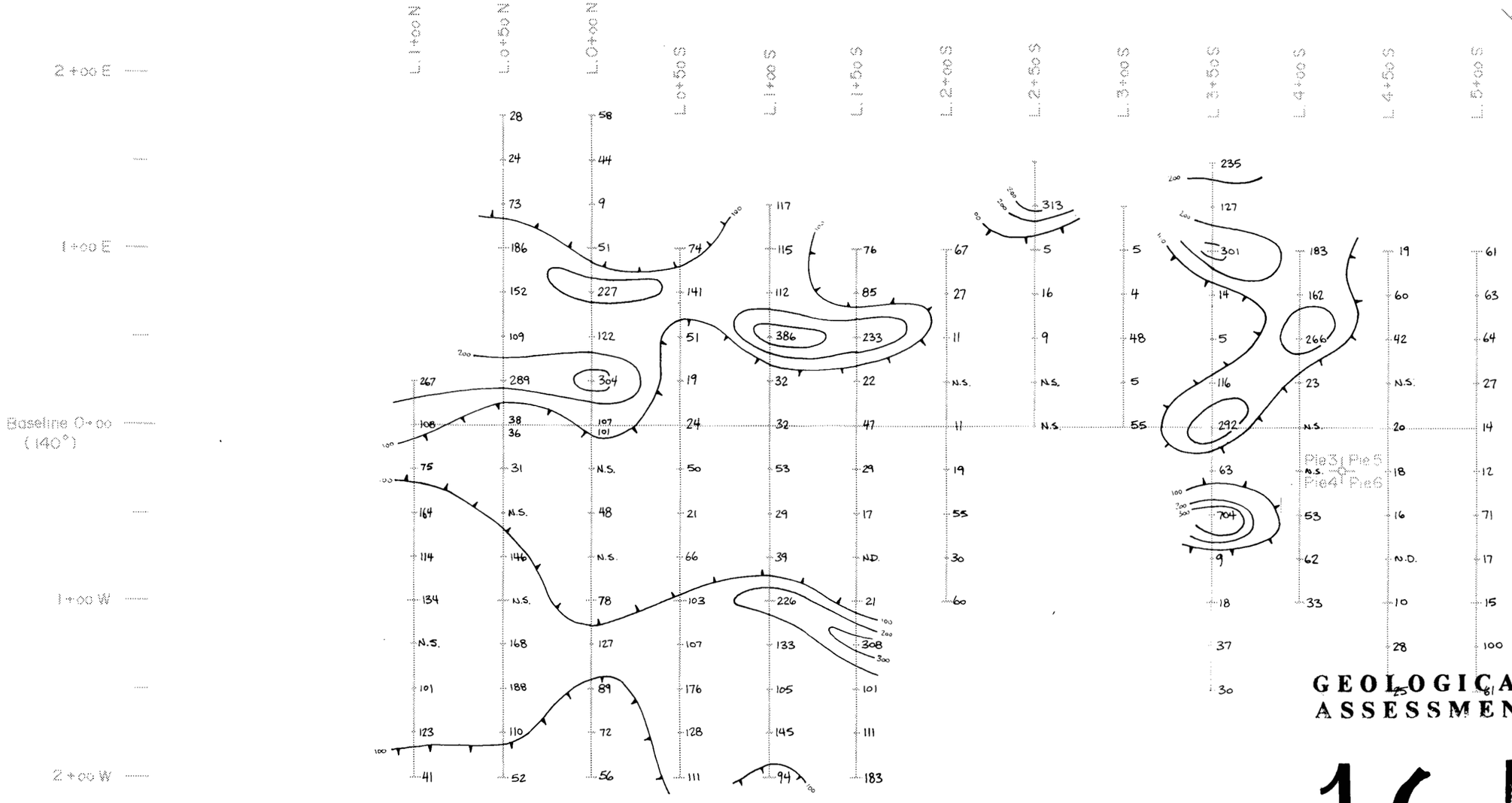
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595

TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— PIEBITER GRID —

GEOCHEMISTRY
Gold (ppb)

Azimuth Geological	By: T.H.C.	Figure: GC-1002
	Scale: 1:2500	
	Date: Nov. 1987	



As (ppm) contoured at 100, 200, 300 ppm

0 50 100 150 Metres

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,595

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— PIEBITER GRID —

GEOCHEMISTRY
Arsenic (ppm)

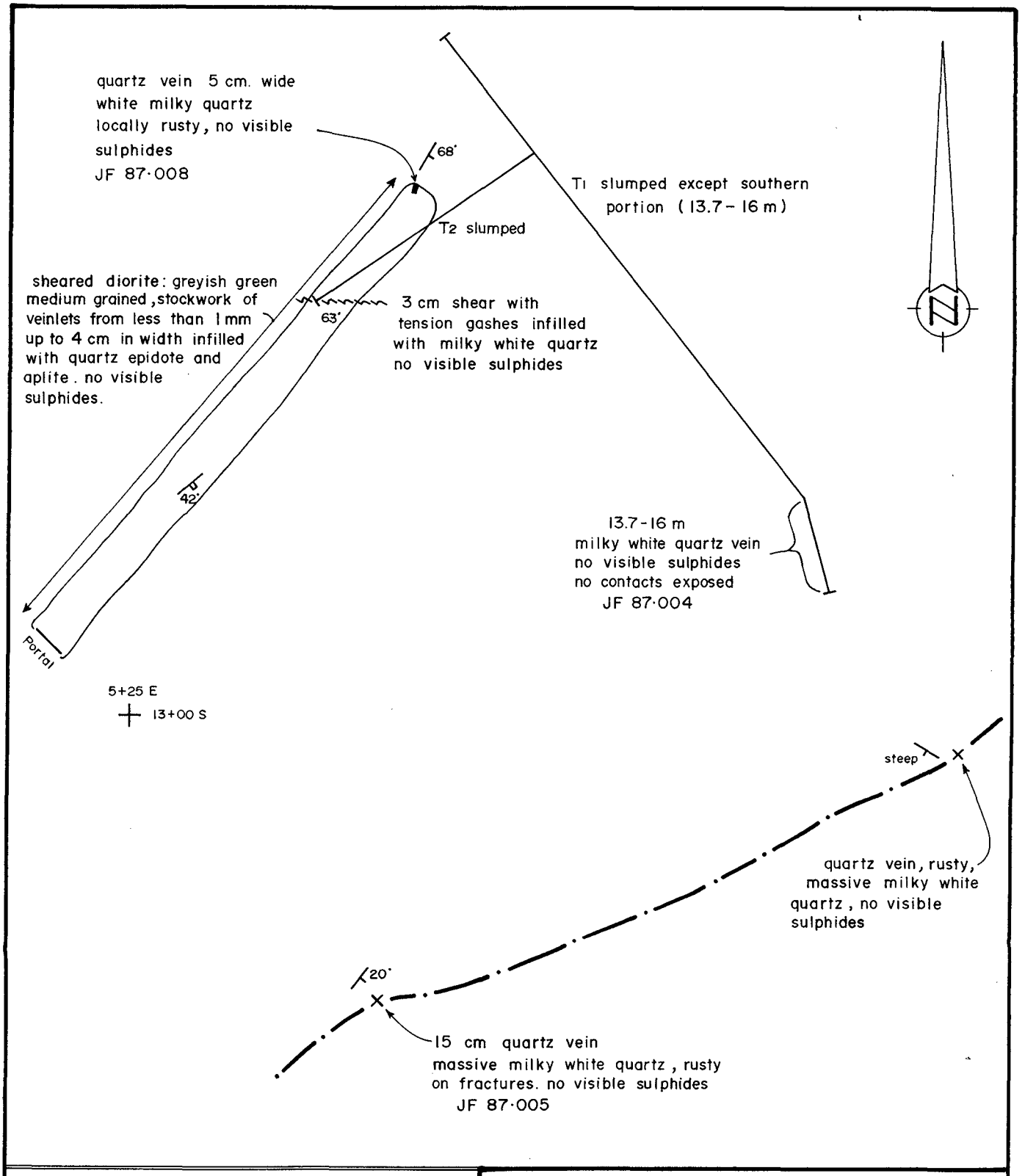
Azimuth Geological	By: T.H.C.	Figure: GC-1003
	Scale: 1:2500	
	Date: Nov. 1987	

5.4 Royal Zone

During 1986 two holes were drilled near Royal Creek to test near coincident geophysical (magnetics) and geochemical (Au-As) anomalies. The drill holes intersected quartz veins containing pyrite and molybdenite cutting silicified metasediments.

In 1987 a reassessment (soil sampling, magnetometer survey) of the anomalies was carried out. Geological mapping was completed in the vicinity of the Royal Adit. The 1987 work confirmed the presence of a northwest-southeast trending magnetic high (Dwg. GP 1011) and anomalous arsenic in soils (Dwg. GC 1004).

Results of the work suggest the anomalies have not been adequately drill tested.



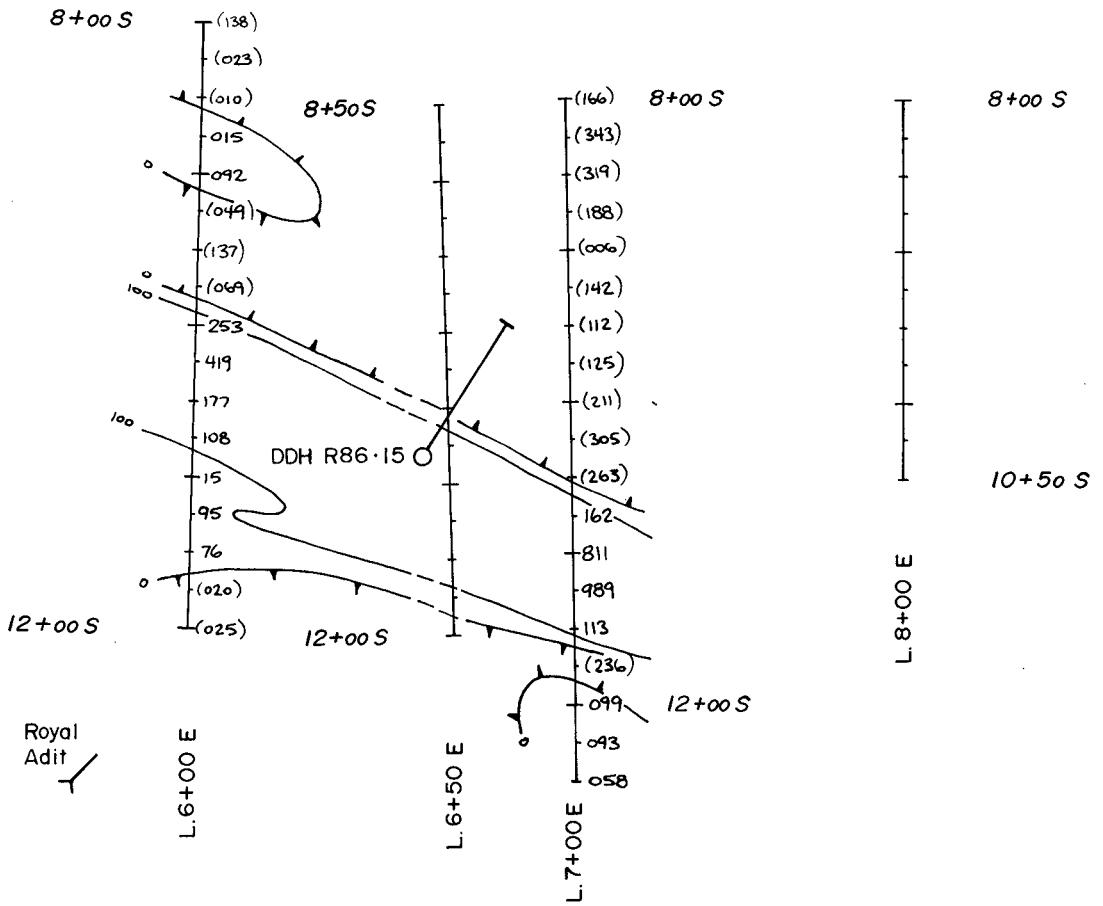
0 1 2 3 4 5 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

— ROYAL GRID —
Detailed Geology
(Adit Area)

Azimuth Geological	By: J.F.	Figure: G-1003
	Scale: 1:125	
	Date: Nov. 1987	



Base Level : 57,000 Gammas

0 50 100 250 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

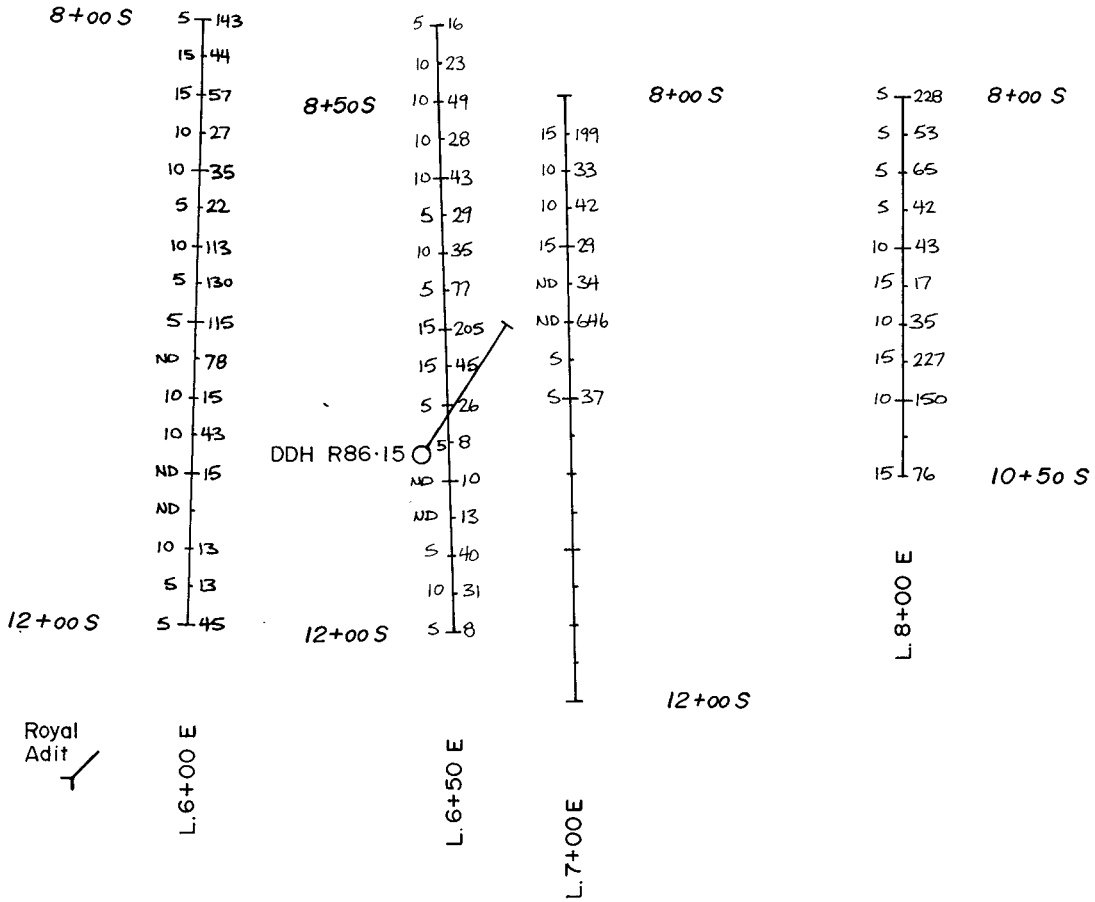
STANDARD CREEK PROPERTY

— ROYAL GRID —
Magnetometer Survey
- Corrected Data -

Azimuth
Geological

By: T.C.
Scale : 1 : 5000
Date: Nov. 1987

Figure:
GP-
1011



Au (ppb) + As (ppm) in Soils

0 50 100 250 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

— ROYAL GRID —
Geochemistry
Gold (ppb), Arsenic (ppm)

Azimuth Geological	By: T.C.	Figure: GC-1004
	Scale : 1 : 5000	
	Date: Nov. 1987	

5.5 Red Hawk Zone

A small grid was established near the Red Hawk showings to test anomalous Au values detected in a previous program by Hudson Bay Exploration and Development Co. The grid lies on the west side of Cadwallader Creek above the Butte-I.X.L. showing and north of the Butte--X-Cal. Results of geological mapping, VLF/EM surveys and soil sampling are shown on Drawings G 1004, GP 1012, GP 1013 and GC 1005.

Geological mapping has identified a number of sheared serpentinites with minor volcanics. These units are cut by occassional quartz veins and aplite dikes. Results of the geophysical and geochemical surveys did not identify any mineralized zones.

A reconnaissance line (FL) was started at L1 + 50 N, 0 + 75 E on the Red Hawk. The line was extended 900 m to the northwest along a major topographic lineament (fault line). Rock and soil sample results were all background levels.

5.6 Other Zones

Earlier workers have outlined a number of mineralized zones in the Butte-I.X.L., Butte-X-Cal and Chalco/Lower Piebiter aeas. Allen et al (1986) recommended additional work for these areas. The areas were briefly investigated during the 1987 programme.

All three of the areas examined exhibit a number of attractive geological features for gold bearing mineralization. These features included altered ultramafics, faulting and shearing, silicification and quartz veining. Rock samples collected from the Butte-I.X.L. (GC-87-002) and Butte-X-Cal (TC-87-078) zones carried highly anomalous gold values.

6.0 CONCLUSION AND RECOMMENDATIONS

Results of work during the 1987 Phase I programme and investigations by earlier workers on the Standard Creek Property has indentified four areas which exhibit excellent potential for gold bearing mineralization. Detailed exploration has highlighted drill targets on the Standard, Chopper, Royal and Upper Piebiter Zones. Exploration efforts have also identifed other zones of interest including possible extensions of the Standard and Piebiter Zones.

Continued exploration of the Standard Creek Property is recommended. A programme of diamond drilling is proposed for the four zones (Standard, Chopper, Royal, Piebiter). The caved Standard Adit should be reopened in conjunction with the diamond drilling and underground exploration carried out.

The programme of geological mapping, rock and soil sampling and geophysical surveys has been successful in defining potential gold zones within areas of interest. A similar programme should be continued for assessing other areas of interest on the property including the Chalco/Lower Piebiter, Butte-I.X.L. and Butte-X-Cal.

A two phased cost estimate for the recommended work is included as Section 7.0.

Respectfully submitted,

Thomas Carpenter, B.Sc., F.G.A.C.

Larry Haynes, B.Sc., F.G.A.C.

7.0 COST ESTIMATE

Phase I

Detailed geological mapping, geochemical surveys, geophysical surveys, road and drill site construction, diamond drilling of the Standard, Chopper, Royal and Piebiter zones, underground exploration.

Salaries		
Project Geologist	1 x 90 @ 275/day	24,750.00
Geologists	3 x 90 @ 200/day	54,000.00
Technicians	5 x 90 @ 175/day	78,750.00
Room and Board	810 mandays @ 40/day	32,400.00
Camp Mobilization and Demobilization		36,000.00
Camp Supplies and Rental		25,000.00
Vehicle Rental and Transportation		28,000.00
Helicopter Support	300 hours @ 550/hour	165,000.00
Bulldozer and Backhoe		
Drillsite preparation, road construction, reclamation, mobilization, operation:	650 hours @ 120/hour	78,000.00
Radio and Telephone		2,100.00
Geophysical Surveys		
VLF/EM and Magnetometer Rentals		15,000.00
Geochemical Analysis and Assay		25,000.00
Diamond Drilling	2500 metres @ 145/metre	362,500.00
Underground Exploration		
Rehabilitation of Standard Adit		170,000.00
Maps, Computer Modelling, Report Preparation		30,000.00
Supervision, Consulting		70,000.00
		1,196,500.00
	Contingencies	120,000.00
	Phase I Total	**1,316,500.00**

Phase 2

Provision for additional underground exploration and diamond drilling.

Salaries		
Project Geologist	1 x 60 @ 275/day	16,500.00
Geologists	3 x 60 @ 200/day	36,000.00
Technicians	5 x 60 @ 175/day	52,500.00
Room and Board	540 mandays @ 40/day	21,600.00
Camp Mobilization and Demobilization		20,000.00
Camp Supplies and Rental		18,000.00
Vehicle Rental and Transportation		11,300.00
Helicopter Support	150 hours @ 550/hour	82,500.00
Bulldozer and Backhoe		
Drillsite preparation, road construction, reclamation, mobilization, operation:	650 hours @ 120/hour	78,000.00
Geophysical Assay		10,000.00
Diamond Drilling	2500 metres @ 145/metre	362,500.00
Underground Exploration		
Heading, Drilling		180,000.00
Maps, Computer Modelling, Report Preparation		25,000.00
Supervision, Consulting		95,000.00
		1,008,90.00
	Contingencies	100,000.00
	Phase 2 Total	**1,108,900.00**
	GRAND TOTAL	**2,425,400.00**

8.0 CERTIFICATE

I, Thomas H. Carpenter, of the City of Vernon, in the Province of British Columbia hereby certify that:

1. I am a Geologist with an office at 3011 23rd Street, Vernon, B.C.

2. I hold a Bachelor of Science degree in Geology from Memorial University of Newfoundland granted in May of 1971.

3. I have been practicing my profession continuously since that date in Canada, the United States and Australia.

4. I am a Fellow of the Geological Association of Canada (Membership Number F4838).

5. I hold no interest either directly or indirectly in the shares or securities of Armeno Resources Inc. nor do I expect to receive any interest.

6. This report is based on work carried out by myself and others under my supervision between July 3rd and August 1, 1987 and on an evaluation of previously acquired technical data.

7. I consent to the use of this report in a Prospectus, Statement of Material Facts or Qualifying Report.

Dated this 6th day of November, 1987

Thomas H. Carpenter

Thomas H. Carpenter, B.Sc., F.G.A.C.

8.0 CERTIFICATE

I, Larry R. Haynes residing at 127 East 18th Avenue, Vancouver, B.C., hereby certify that:

1. I graduated from the University of British Columbia in 1972 with a B.Sc. in Geology.

2. I have worked full-time since 1972 as an exploration geologist in Canada and the Western United States.

3. I am a Fellow of the Geological Association of Canada, with membership number F4291.

4. I hold no interest either directly or indirectly in the shares or securities of Armeno Resources Inc. nor do I expect to receive any interest.

5. This work is based on work carried out by myself and others under the supervision of Thomas H. Carpenter and on an evaluation of previously acquired technical data.

6. I consent to the use of this report in a Prospectus, Statement of Material Facts or Qualifying Report.

Dated this 6th day of November, 1987

L. Haynes

Larry R. Haynes, B.Sc., F.G.A.C.

9.0 REFERENCES

Allen, D.G., MacQuarrie D.R. and Brownlee, D.J. (1986). Report on the 1986 Exploration Program - Standard Creek Property, Armeno Resources Inc. and Trans Altantic Resources Inc. dated December 8, 1986.

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Sheppard, E.P. (1#73). Geological Report on the Tom and Pat Claims dated October 2, 1979.

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Appendix I

Cost Statement

COST STATEMENT

Mobilization/Demobilization		$ 5,000.00
Project Geologist	30 days @ $275.00/day	8,250.00
Geologist	30 days @ $200.00/day	6,000.00
Technicians	3 x 30 days @ $150.00/day	13,500.00
G. Crowe	11 days @ $300.00/day	3,300.00
J. Forbes	6 days @ $200.00/day	1,200.00
Accommodation	167 mandays @ $25.00/day	4,175.00
Food	167 mandays @ $25.00/day	4,175.00
Equipment Purchase		675.00
Truck	30 days @ $100.00/day 9 days @ $75.00/day	3,000.00 900.00
Geophysical Equipment Rental	30 days VLF-EM/Magnetometer	2,733.50
Helicopter		6,001.70
Publications		78.90
Fuel		496.00
Geochemistry	534 soils 155 rocks	6,278.45
Adminstration/Overhead		1,000.00
Report (Prepared Oct. 22 - Nov. 6)		7,350.00
	TOTAL	$74,113.55

Appendix II

Analytical Procedures

VANGEOCHEM LAB LTD.
1521 Pemberton Ave.
North Vancouver, B.C.
V7P 2S3

TO: AZIMUTH GEOLOGICAL SERVICE
#404 - 850 W. Hastings Street
Vancouver, B.C. V6C 1E1

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine gold by fire-assay method and detected by atomic absorotion spec. in geological samples.

1. Method_of_Sample_Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.

(b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainles steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraciton was transferred into a new bag for analysis later.

(c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh for finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method_of_Extraction

(a) 20.0 - 30.0 grams of the pulp samples were used. Samples were weighed out by using a too-loading balance into fusion pot.

(b) A Flux of litharge, soda ash, silica, borax, flour, or potassium nitrite is added, then fused at 1900 degrees F and a lead button is formed.

(c) The gold is extract by cupellation and part with diluted nitric acid.

(d) The gold bead is saved for measurement later.

3. Method of Detection

(a) The gold bead is disolved by boiling with sodium cyanide, hydrogen peroxide and amonium hydroxide.

(b) The gold analyses were detected by using a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LTD.

VANGEOCHEM LAB LTD.
1521 Pemberton Ave.
North Vancouvelr, B.C.
V7P 2S3

TO: Mr. Greg Crowe
Ram Exploration Ltd.
404 - 850 West Hastings St.
Vancouver B.C. V6C 1E1

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine multiple elements in hot acid soluble by Induction Couple Plasma Spectrometer (ICP) analysis.

1. Method_of_Sample_Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.

(b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method_of_Digestion

(a) 0.500 gram of -80 mesh sample was used.

(b) Samples were digested in a hot water bath with diluted aqua regia acids.

(c) The digested samples were diluted to a fixed volume and shaken well.

(d) The Au complex ions were extracted into diisobutyl ketone and thiourea medium. (Anion exchange liquids "Aliquot 336").

(e) Separate Funnels were used to separate the organic layer.

3. Method of Detection

The gold analyses were detected by using a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and his laboratory staff.

Eddie Tang
VANGEOCHEM LAB LTD.

Appendix III

Analytical Results - Soil Geochemistry

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870789 GA JOB NUMBER: 870789 · **AZIMUTH GEOLOGICAL**

SAMPLE #	Au ppb
0+00N 0+25E	10
0+00N 0+50E	nd
0+00N 1+00E	10
0+00N 1+25E	10
0+00N 1+50E	10
0+00N 1+75E	15
0+00N 2+00E	10
0+00N 2+25E	10
0+00N 2+50E	25
0+00N 2+75E	10
0+00N 3+00E	5
0+00N 3+25E	15
0+00N 3+50E	5
0+00N 3+75E	5
0+00N 4+00E	5
0+00N 4+25E	5
0+00N 4+50E	5
0+00N 4+75E	15
0+00N 5+00E	5
1+00N 0+00E	5
1+00N 0+25E	5
1+00N 0+50E	5
1+00N 1+00E	10
1+00N 1+25E	10
1+00N 1+50E	10
1+00N 1+75E	5
1+00N 2+00E	10
1+00N 2+25E	10
1+00N 2+50E	20
1+00N 2+75E	5
1+00N 3+25E	10
1+00N 3+50E	10
1+00N 3+75E	5
1+00N 4+00E	10
1+00N 4+50E	nd
1+00N 4+75E	nd
1+00N 5+00E	nd
1+00N 5+25E	nd
1+00N 5+50E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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VANCOUVER, B.C. V5L 1L6
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SAMPLE #	Au ppb
2+00N 0+00E	10
2+00N 0+25E	10
2+00N 0+50E	10
2+00N 0+75E	5
2+00N 1+00E	5
2+00N 1+25E	10
2+00N 1+50E	5
2+00N 1+75E	25
2+00N 2+00E	10
2+00N 2+25E	10
2+00N 2+50E	5
2+00N 2+75E	15
2+00N 3+25E	10
2+00N 3+50E	15
2+00N 3+75E	10
2+00N 4+00E	5
2+00N 4+25E	10
2+00N 4+50E	10
2+00N 4+75E	10
2+00N 5+00E	10
3+00N 0+00E	nd
3+00N 0+25E	5
3+00N 0+50E	10
3+00N 0+75E	20
3+00N 1+00E	15
3+00N 1+25E	15
3+00N 1+50E	10
3+00N 1+75E	15
3+00N 2+00E	10
3+00N 2+25E	10
3+00N 2+50E	40
3+50N 0+00E	nd
3+50N 0+25E	10
3+50N 0+50E	5
3+50N 0+75E	10
3+50N 1+00E	10
3+50N 1+25E	10
3+50N 1+50E	nd
3+50N 1+75E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
3+50N 2+00E	nd
3+50N 2+25E	nd
4+00N 0+00E	10
4+00N 0+25E	20
4+00N 0+50E	10
4+00N 0+75E	10
4+00N 1+00E	15
4+00N 1+25E	10
4+00N 1+50E	20
4+00N 1+75E	20
4+00N 2+00E	10
4+00N 2+25E	25
4+50N 0+00E	nd
4+50N 0+25E	10
4+50N 0+50E	nd
4+50N 0+75E	5
4+50N 1+00E	10
4+50N 1+25E	5
4+50N 1+50E	10
4+50N 1+75E	5
4+50N 2+00E	10
4+50N 2+25E	15
4+50N 2+50E	10
5+00N 0+00E	15
5+00N 0+25E	10
5+00N 0+50E	10
5+00N 0+75E	20
5+00N 1+00E	10
5+00N 1+25E	30
5+00N 1+50E	nd
5+00N 1+75E	10
5+00N 2+00E	10
5+00N 2+25E	10
5+00N 2+50E	10
5+50N 0+00E	nd
5+50N 0+25E	10
5+50N 0+50E	10
5+50N 0+75E	10
5+50N 1+00E	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
5+50N 1+25E	nd
5+50N 1+50E	10
5+50N 1+75E	5
5+50N 2+00E	10
5+50N 2+25E	nd
5+50N 2+50E	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,Fe,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH GEOLOG.
ATTENTION:
PROJECT: --

REPORT#: 870789PA
JOB#: 870789
INVOICE#: 870789NA

DATE RECEIVED: 87/08/
DATE COMPLETED: 87/09/11
COPY SENT TO:

ANALYST W. Thomas

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
0+00N 0+25E	.1	1.96	25	ND	77	ND	.06	.1	5	30	6	2.44	11.98	.74	215	1	.06	18	.04	8	ND	ND	ND	ND	10	ND	ND	47
0+00N 0+50E	.1	3.35	36	ND	128	3	.16	.1	14	31	16	3.45	7.64	1.18	932	2	.09	18	.05	8	ND	ND	5	ND	12	ND	ND	101
0+00N 1+00E	.1	5.95	68	ND	232	ND	.05	.1	22	59	42	4.86	1.22	1.93	726	4	.12	66	.08	7	ND	ND	4	ND	10	ND	ND	128
0+00N 1+25E	.1	3.51	387	ND	97	ND	.17	.1	32	75	27	5.07	6.39	1.66	950	4	.12	119	.08	5	ND	ND	6	ND	10	ND	ND	112
0+00N 1+50E	.1	2.37	78	ND	65	3	.08	.1	11	73	9	2.61	6.97	1.08	327	1	.06	86	.07	6	ND	ND	3	ND	8	ND	ND	63
0+00N 1+75E	.1	3.17	93	ND	123	ND	.05	.1	24	104	11	3.77	4.66	1.45	944	1	.09	181	.08	5	ND	ND	ND	ND	9	ND	ND	87
0+00N 2+00E	.1	2.80	111	ND	69	ND	.01	.1	16	107	11	3.72	5.77	1.45	439	1	.09	193	.05	9	ND	ND	3	ND	6	ND	ND	71
0+00N 2+25E	.1	2.65	334	ND	159	3	.12	.1	29	109	24	4.06	5.64	1.48	1085	1	.10	236	.08	11	ND	ND	ND	ND	16	ND	3	91
0+00N 2+50E	.1	.58	301	ND	48	4	.04	.1	129	277	16	5.28	8.48	3.13	1567	ND	.13	1964	.04	5	ND	ND	ND	ND	3	ND	ND	18
0+00N 2+75E	.1	3.07	138	ND	231	5	.15	.1	23	122	46	3.70	3.05	1.98	905	3	.10	131	.07	8	ND	ND	ND	ND	12	ND	ND	104
0+00N 3+00E	.1	2.70	144	ND	167	6	.07	.1	18	88	24	3.27	2.15	[illegible]	858	2	.09	101	.08	8	ND	ND	4	ND	9	ND	ND	93
0+00N 3+25E	.1	2.31	51	ND	106	ND	.09	.1	11	90	28	2.99	3.50	1.32	614	2	.07	83	.09	11	ND	ND	5	ND	9	ND	ND	67
0+00N 3+50E	.1	3.88	36	ND	272	3	.16	.1	27	232	35	4.12	.01	3.28	895	5	.13	187	.08	10	ND	ND	ND	ND	13	ND	ND	117
0+00N 3+75E	.1	3.87	47	ND	639	10	.54	.1	88	314	291	6.88	.01	3.51	929	9	.18	394	.07	10	ND	ND	4	1	18	ND	ND	161
0+00N 4+00E	.1	3.20	21	ND	209	5	.27	.1	20	145	40	3.71	.43	2.27	561	2	.10	135	.11	9	ND	ND	ND	ND	14	ND	ND	87
0+00N 4+25E	.1	3.62	25	ND	235	ND	.12	.1	24	148	51	3.78	.39	2.33	749	3	.10	157	.08	7	ND	ND	3	ND	8	ND	ND	97
0+00N 4+50E	.1	2.19	10	ND	69	ND	.03	.1	7	59	10	2.10	2.40	.92	253	2	.05	44	.06	10	ND	ND	4	ND	5	5	ND	42
0+00N 4+75E	.1	4.65	34	ND	289	5	.07	.1	23	148	83	3.86	.01	2.51	681	4	.11	209	.09	9	ND	ND	3	ND	6	ND	ND	96
0+00N 5+00E	.1	3.14	23	ND	217	ND	.11	.1	16	145	33	3.22	2.14	2.06	517	3	.09	153	.08	8	ND	ND	4	ND	13	ND	ND	88
1+00N 0+00E	.1	2.92	156	ND	136	ND	.37	.1	16	57	23	3.36	1.60	1.38	1077	3	.09	67	.06	5	ND	ND	3	ND	34	ND	ND	118
1+00N 0+25E	.1	2.81	106	ND	150	ND	.36	.1	11	25	37	3.07	.58	1.05	460	2	.06	26	.07	11	ND	ND	3	ND	25	ND	ND	69
1+00N 0+50E	.1	2.50	94	ND	117	ND	.26	.1	11	21	18	2.82	1.02	1.07	318	1	.07	15	.06	7	ND	ND	ND	ND	16	ND	3	64
1+00N 1+00E	.1	2.58	100	ND	156	ND	.12	.1	17	89	21	3.27	1.36	1.50	933	3	.09	110	.08	10	ND	ND	5	ND	15	ND	ND	98
1+00N 1+25E	.1	3.11	323	ND	143	ND	.12	.1	28	102	25	4.21	1.29	1.70	1510	2	.10	251	.07	10	ND	ND	3	ND	15	ND	ND	86
1+00N 1+50E	.1	2.87	313	ND	127	ND	.05	.1	25	97	22	3.71	.86	1.43	1052	2	.10	190	.10	12	ND	ND	3	ND	8	ND	ND	95
1+00N 1+75E	.1	2.26	277	ND	87	5	.01	.1	19	107	20	3.68	2.17	1.39	553	1	.09	230	.06	10	ND	ND	3	ND	6	ND	ND	76
1+00N 2+00E	.1	2.05	89	ND	132	3	.12	.1	12	93	24	3.09	1.97	1.45	289	1	.08	100	.03	11	ND	ND	ND	2	8	ND	3	64
1+00N 2+25E	.1	3.22	220	ND	154	ND	.08	.1	20	104	38	3.67	.99	1.72	983	4	.10	125	.07	11	ND	ND	ND	ND	8	ND	ND	107
1+00N 2+50E	.1	3.56	298	ND	285	ND	.16	.1	33	214	51	4.52	.67	2.99	1051	5	.14	265	.07	9	ND	ND	ND	ND	15	ND	ND	125
1+00N 2+75E	.1	3.67	32	ND	334	8	.49	.1	25	226	105	4.41	.45	3.91	831	7	.14	297	.04	7	ND	ND	ND	ND	17	ND	ND	123
1+00N 3+25E	.1	3.19	101	ND	202	11	.54	.1	28	187	71	4.26	.28	3.05	754	8	.13	219	.08	15	ND	ND	ND	ND	17	ND	ND	105
1+00N 3+50E	.1	3.27	86	ND	187	4	.26	.1	23	175	46	3.85	.48	2.71	776	4	.11	155	.08	13	ND	ND	ND	ND	14	ND	ND	91
1+00N 3+75E	.1	2.46	23	ND	176	ND	.12	.1	12	85	25	2.78	.56	1.44	509	1	.08	78	.08	8	ND	ND	ND	ND	12	ND	ND	70
1+00N 4+00E	.1	3.03	31	ND	165	ND	.06	.1	15	95	28	3.01	.59	1.67	765	2	.09	79	.08	9	ND	ND	3	ND	7	ND	ND	89
1+00N 4+50E	.1	3.44	55	ND	120	ND	.06	.1	13	130	44	3.92	.61	1.87	381	3	.10	115	.08	9	ND	ND	ND	ND	6	ND	ND	86
1+00N 4+75E	.1	2.70	26	ND	182	ND	.10	.1	14	93	33	3.17	.26	1.53	716	4	.09	88	.07	9	ND	ND	4	ND	13	ND	ND	105
1+00N 5+00E	.1	5.00	45	ND	161	3	.15	.1	24	211	97	4.73	.16	3.00	458	3	.13	226	.09	3	ND	ND	ND	ND	6	ND	ND	88
1+00N 5+25E	.1	2.87	25	ND	165	ND	.04	.1	15	99	38	3.04	.13	1.56	695	4	.09	89	.07	11	ND	ND	4	ND	11	ND	3	106
1+00N 5+50E	.1	2.97	33	ND	170	4	.02	.1	15	114	39	3.28	.01	1.79	574	5	.10	103	.07	10	ND	ND	3	ND	9	ND	ND	100
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
2+00N 0+00E	.1	3.02	74	ND	102	ND	.26	.1	11	34	6	3.42	.01	1.36	394	3	.09	24	.05	4	ND	ND	3	ND	19	ND	ND	75
2+00N 0+25E	.1	2.91	136	ND	77	ND	.05	.1	12	60	10	3.22	.01	.84	383	2	.07	68	.05	11	ND	ND	4	ND	6	ND	ND	55
2+00N 0+50E	.1	2.83	102	ND	125	ND	.22	.1	10	25	10	3.29	.01	1.21	370	1	.08	20	.05	9	ND	ND	3	ND	19	ND	ND	72
2+00N 0+75E	.1	2.45	265	ND	67	ND	.06	.1	26	120	17	3.67	.01	1.30	586	3	.09	508	.05	11	ND	ND	ND	ND	8	ND	ND	75
2+00N 1+00E	.1	1.42	128	ND	70	ND	.13	.1	16	113	5	3.15	.01	1.05	407	2	.07	196	.04	6	ND	ND	ND	1	10	ND	ND	55
2+00N 1+25E	.1	2.51	1252	ND	100	ND	.08	.1	37	104	27	4.34	.01	1.37	1140	2	.10	347	.07	16	ND	ND	6	ND	9	ND	ND	81
2+00N 1+50E	.1	2.68	151	ND	83	ND	.05	.1	16	109	40	3.76	.01	1.42	461	3	.09	147	.05	13	ND	ND	6	ND	6	ND	ND	77
2+00N 1+75E	.1	2.89	375	ND	135	ND	.16	.1	20	128	42	4.19	.01	1.86	705	8	.11	147	.06	10	ND	ND	4	ND	11	ND	ND	93
2+00N 2+00E	.1	3.08	795	ND	217	ND	.18	.1	30	139	63	4.64	.01	1.99	1349	7	.12	165	.10	16	ND	ND	7	ND	13	ND	ND	117
2+00N 2+25E	.1	2.33	1081	ND	169	ND	.24	.1	32	141	30	3.91	.01	1.41	1112	6	.10	194	.07	15	ND	ND	5	ND	15	ND	ND	92
2+00N 2+50E	.1	3.04	68	ND	248	3	.34	.1	22	157	51	3.76	.12	2.53	590	8	.11	163	.04	9	ND	ND	ND	ND	15	ND	ND	85
2+00N 2+75E	.1	1.99	396	ND	273	ND	.87	.1	13	135	43	7.06	.01	1.78	1478	34	.14	152	.10	5	ND	ND	ND	ND	36	ND	ND	49
2+00N 3+25E	.1	2.78	38	ND	162	5	.11	.1	17	104	33	3.13	.01	1.72	684	4	.09	103	.09	8	ND	ND	3	ND	9	ND	ND	84
2+00N 3+50E	.1	2.34	33	ND	139	ND	.16	.1	13	95	29	3.03	.01	1.57	427	2	.08	97	.08	9	ND	ND	3	ND	11	ND	ND	72
2+00N 3+75E	.1	2.11	26	ND	125	ND	.06	.1	12	76	18	2.80	.01	1.26	432	3	.07	73	.06	12	ND	ND	3	ND	7	ND	ND	67
2+00N 4+00E	.1	2.93	35	ND	152	ND	.14	.1	19	113	33	3.64	.01	1.84	691	3	.10	109	.06	11	ND	ND	4	ND	15	ND	ND	90
2+00N 4+25E	.1	3.70	66	ND	302	5	.16	.1	31	196	100	4.27	.33	3.01	779	3	.12	248	.07	11	ND	ND	4	ND	8	ND	ND	114
2+00N 4+50E	.1	2.88	39	ND	116	ND	.09	.1	15	130	35	3.24	.01	1.86	437	3	.09	135	.07	13	ND	ND	4	ND	9	ND	ND	73
2+00N 4+75E	.1	2.55	27	ND	214	ND	.09	.1	15	94	31	3.15	.01	1.55	800	5	.09	88	.07	11	ND	ND	5	ND	14	ND	ND	117
2+00N 5+00E	.1	2.78	26	ND	150	4	.08	.1	9	107	42	3.01	.01	1.52	341	5	.08	98	.06	12	ND	ND	6	1	12	ND	ND	85
3+00N 0+00E	.1	2.89	161	ND	209	ND	.14	.1	36	100	61	4.42	.01	1.77	786	2	.10	464	.05	10	ND	ND	4	ND	11	ND	ND	80
3+00N 0+25E	.1	2.86	145	ND	114	ND	.11	.1	26	84	34	3.76	.01	1.63	772	2	.09	201	.05	9	ND	ND	4	ND	10	ND	ND	72
3+00N 0+50E	.1	3.00	234	ND	233	ND	.50	.1	32	180	59	4.39	.01	2.63	933	9	.12	273	.09	8	ND	ND	4	ND	19	ND	ND	104
3+00N 0+75E	.1	3.04	180	ND	183	ND	.30	.1	41	235	40	4.77	.01	2.66	979	8	.12	333	.06	8	ND	ND	3	ND	13	ND	ND	95
3+00N 1+00E	.1	3.22	211	ND	181	6	.32	.1	23	174	44	4.47	.01	2.46	591	10	.12	192	.04	7	ND	ND	3	ND	15	ND	ND	90
3+00N 1+25E	.1	3.02	122	ND	240	4	.23	.1	24	157	29	3.99	.01	2.38	1165	11	.12	141	.10	7	ND	ND	ND	ND	11	ND	ND	124
3+00N 1+50E	.1	3.06	140	ND	251	3	.19	.1	24	188	48	4.37	.01	2.77	837	15	.12	164	.09	10	ND	ND	3	ND	11	ND	ND	112
3+00N 1+75E	.1	2.68	81	ND	263	4	.30	.1	23	156	39	3.61	.01	2.35	694	7	.10	155	.07	8	ND	ND	3	ND	20	ND	ND	93
3+00N 2+00E	.1	2.94	236	ND	254	ND	.22	.1	30	158	62	3.99	.01	2.22	845	4	.11	246	.07	8	ND	ND	3	ND	20	ND	ND	86
3+00N 2+25E	.1	3.36	59	ND	259	4	.21	.1	20	179	54	4.07	.01	2.72	529	6	.11	175	.05	8	ND	ND	4	ND	17	ND	ND	92
3+00N 2+50E	.1	2.78	47	ND	189	6	.20	.1	17	143	53	3.44	.01	2.25	397	4	.09	147	.05	8	ND	ND	4	ND	10	ND	ND	73
3+50N 0+00E	.1	1.13	100	ND	53	ND	.05	.1	7	64	ND	1.67	.01	.71	242	ND	.04	50	.04	10	ND	ND	ND	1	8	ND	6	36
3+50N 0+25E	.1	3.17	150	ND	161	ND	.08	.1	29	160	57	4.24	.01	2.23	1015	6	.11	161	.08	9	ND	ND	4	ND	6	ND	ND	109
3+50N 0+50E	.1	2.79	153	ND	228	ND	.22	.1	28	159	58	3.91	.01	2.28	957	6	.11	196	.08	9	ND	ND	ND	ND	13	ND	ND	102
3+50N 0+75E	.1	2.75	163	ND	232	ND	.38	.1	36	221	48	4.27	.01	2.69	773	6	.12	351	.05	8	ND	ND	ND	ND	18	ND	ND	91
3+50N 1+00E	.1	2.92	151	ND	220	4	.20	.1	22	151	37	3.90	.01	2.19	617	7	.11	164	.07	10	ND	ND	3	ND	14	ND	ND	94
3+50N 1+25E	.1	3.04	106	ND	311	6	.26	.1	26	163	38	4.06	.01	2.45	882	6	.12	171	.08	7	ND	ND	3	ND	17	ND	ND	107
3+50N 1+50E	.1	3.35	84	ND	319	7	.34	.1	30	190	57	4.55	.06	2.76	898	10	.13	205	.08	7	ND	ND	ND	ND	17	ND	ND	106
3+50N 1+75E	.1	3.00	67	ND	310	7	.27	.1	27	173	49	3.95	.02	2.57	766	5	.11	181	.07	7	ND	ND	ND	ND	17	ND	ND	95
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
3+50N 2+00E	.1	3.10	207	ND	202	4	.07	.1	29	159	94	4.37	.35	2.33	766	6	.11	241	.03	9	ND	ND	8	ND	11	ND	ND	103
3+50N 2+25E	.1	3.34	80	ND	352	5	.57	.1	39	198	51	5.54	.22	2.97	1703	25	.14	209	.10	5	ND	ND	ND	ND	25	ND	ND	131
4+00N 0+00E	.1	2.24	580	ND	108	4	.13	.1	41	178	26	4.02	.55	1.70	881	3	.10	312	.07	7	ND	ND	3	ND	9	ND	3	72
4+00N 0+25E	.1	2.82	504	ND	124	ND	.08	.1	49	129	25	4.06	.51	1.70	958	2	.10	409	.06	8	ND	ND	ND	ND	9	ND	ND	88
4+00N 0+50E	.1	2.81	333	ND	138	4	.09	.1	34	150	38	4.08	.44	1.83	769	3	.10	324	.05	8	ND	ND	ND	ND	9	ND	ND	77
4+00N 0+75E	.1	2.29	654	ND	153	6	.13	.1	70	301	49	4.85	.47	2.29	1450	2	.12	688	.08	9	ND	ND	ND	ND	12	ND	ND	71
4+00N 1+00E	.1	2.98	660	ND	229	ND	.22	.1	48	215	57	5.03	.14	2.42	1964	2	.13	435	.11	5	ND	ND	ND	ND	20	ND	ND	111
4+00N 1+25E	.1	3.29	566	ND	178	ND	.33	.1	46	253	27	4.31	.08	3.46	1227	2	.13	370	.07	3	ND	ND	ND	ND	16	ND	ND	67
4+00N 1+50E	.1	2.65	237	ND	153	9	.08	.1	23	133	43	3.47	.25	1.95	526	2	.09	293	.04	6	ND	ND	ND	ND	8	ND	3	80
4+00N 1+75E	.1	.31	8522	3	278	ND	.85	.1	196	216	150	11.53	.73	6.89	2302	ND	.28	2602	.01	3	ND	ND	21	ND	78	ND	ND	46
4+00N 2+00E	.1	2.48	79	ND	181	6	.22	.1	15	79	27	3.05	.15	1.34	648	4	.08	100	.06	8	ND	ND	ND	ND	15	ND	3	75
4+00N 2+25E	.1	2.27	196	ND	108	ND	.15	.1	18	80	11	10.25	.32	1.24	966	96	.18	81	.06	8	ND	ND	3	ND	10	ND	ND	69
4+50N 0+00E	.1	3.11	332	ND	120	ND	.14	.1	31	133	17	4.08	.24	1.84	865	2	.54	248	.05	9	ND	ND	4	ND	13	1	ND	475
4+50N 0+25E	.1	2.47	186	ND	146	ND	.16	.1	24	112	27	3.72	.24	1.48	808	1	.09	284	.06	8	ND	ND	3	ND	11	3	ND	83
4+50N 0+50E	.1	2.90	281	ND	94	ND	.05	.1	24	106	40	4.20	.23	1.50	776	2	.10	252	.06	7	ND	ND	4	ND	6	ND	ND	72
4+50N 0+75E	.1	2.57	788	ND	134	4	.12	.1	26	108	27	4.04	.10	1.44	1028	2	.10	214	.10	11	ND	ND	6	ND	11	ND	ND	101
4+50N 1+00E	.3	2.13	1138	ND	156	ND	.15	.1	38	139	40	4.55	.10	1.54	1077	1	.10	447	.07	21	ND	ND	15	ND	16	ND	3	78
4+50N 1+25E	.1	2.99	452	ND	248	4	.33	.1	25	115	37	3.96	.01	2.07	1034	1	.10	160	.09	9	ND	ND	13	ND	31	ND	ND	83
4+50N 1+50E	.1	2.28	41	ND	142	ND	.07	.1	14	80	29	2.88	.09	1.30	529	2	.07	84	.05	12	ND	ND	3	ND	8	3	ND	83
4+50N 1+75E	.1	2.78	30	ND	191	ND	.13	.1	14	84	43	3.05	.05	1.46	564	4	.08	89	.06	10	ND	ND	3	ND	15	4	ND	95
4+50N 2+00E	.1	3.19	62	ND	209	5	.16	.1	17	124	61	3.70	.06	1.98	415	3	.10	150	.08	9	ND	ND	3	ND	13	ND	ND	90
4+50N 2+25E	.1	2.92	51	ND	179	3	.15	.1	15	95	33	3.43	.02	1.56	664	3	.09	107	.10	10	ND	ND	3	ND	14	ND	ND	99
4+50N 2+50E	.1	2.55	32	ND	161	4	.10	.1	11	75	28	2.82	.04	1.29	577	2	.08	75	.07	13	ND	ND	3	ND	12	ND	ND	87
5+00N 0+00E	.1	2.17	311	ND	211	ND	.26	.1	31	118	18	3.79	.01	1.40	1367	3	.10	152	.10	10	ND	ND	3	ND	26	ND	3	115
5+00N 0+25E	.1	2.21	308	ND	80	ND	.04	.1	17	106	28	4.05	.01	1.42	523	1	.09	218	.06	10	ND	ND	3	ND	6	ND	ND	73
5+00N 0+50E	.1	2.40	518	ND	94	ND	.08	.1	19	115	39	4.22	.01	1.49	526	1	.09	232	.06	6	ND	ND	4	ND	8	ND	ND	64
5+00N 0+75E	.1	2.81	508	ND	111	ND	.11	.1	32	178	41	5.20	.01	1.76	587	1	.12	475	.05	6	ND	ND	14	ND	8	ND	ND	72
5+00N 1+00E	.1	2.70	679	ND	167	4	.21	.1	40	165	39	4.41	.01	1.99	1065	1	.11	335	.08	9	ND	ND	12	ND	19	ND	ND	77
5+00N 1+25E	.1	2.55	1647	ND	153	ND	.18	.1	45	185	61	4.93	.01	2.24	947	1	.12	648	.06	7	ND	ND	40	ND	15	ND	ND	75
5+00N 1+50E	.1	2.72	34	ND	209	3	.16	.1	14	87	35	3.13	.01	1.49	792	3	.09	96	.07	11	ND	ND	4	ND	15	ND	ND	100
5+00N 1+75E	.1	3.12	50	ND	233	3	.19	.1	16	116	60	5.80	.01	1.91	396	5	.10	128	.07	7	ND	ND	4	ND	14	ND	ND	99
5+00N 2+00E	.1	2.37	21	ND	184	4	.16	.1	11	75	24	3.05	.01	1.25	593	1	.08	70	.09	11	ND	ND	ND	ND	19	3	ND	88
5+00N 2+25E	.1	3.05	29	ND	255	ND	.16	.1	17	106	36	3.56	.01	1.80	900	2	.10	114	.08	11	ND	ND	4	ND	18	ND	ND	111
5+00N 2+50E	.1	3.53	43	ND	243	3	.15	.1	16	133	47	3.94	.01	2.09	657	3	.11	139	.09	9	ND	ND	ND	ND	16	ND	ND	129
5+50N 0+00E	.1	2.10	330	ND	140	ND	.11	.1	22	89	16	3.46	.01	1.16	938	1	.06	166	.07	10	ND	ND	3	ND	15	ND	ND	80
5+50N 0+25E	.1	2.59	415	ND	188	ND	.14	.1	31	116	29	4.34	.01	1.54	1196	1	.11	285	.08	10	ND	ND	ND	ND	15	ND	ND	85
5+50N 0+50E	.1	2.90	451	ND	117	4	.11	.1	25	114	30	4.81	.01	1.82	541	1	.12	329	.05	10	ND	ND	4	ND	10	ND	ND	90
5+50N 0+75E	.1	2.49	206	ND	138	ND	.13	.1	16	119	33	3.71	.01	1.55	457	2	.09	166	.06	6	ND	ND	ND	ND	12	ND	ND	76
5+50N 1+00E	.1	2.59	1570	ND	193	ND	.20	.1	52	212	53	5.34	.01	1.79	1285	2	.13	799	.05	13	ND	ND	8	ND	19	ND	ND	84
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	B PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
5+50N 1+25E	.1	2.57	71	ND	160	ND	.16	.1	14	107	43	2.71	.01	1.56	332	7	.08	136	.05	9	ND	ND	3	ND	10	ND	ND	77
5+50N 1+50E	.1	1.87	1279	ND	110	ND	.32	.1	97	461	78	5.44	.01	3.04	1176	2	.15	1282	.08	6	ND	ND	8	ND	26	ND	ND	71
5+50N 1+75E	.1	3.22	89	ND	226	ND	.20	.1	18	134	54	3.39	.01	1.95	416	9	.10	170	.07	12	ND	ND	4	ND	13	ND	3	97
5+50N 2+00E	.1	2.92	47	ND	213	4	.16	.1	17	105	53	3.41	.01	1.70	608	14	.10	99	.05	6	ND	ND	4	ND	11	ND	ND	88
5+50N 2+25E	.1	2.84	46	ND	194	3	.15	.1	15	99	47	3.49	.01	1.66	595	8	.10	97	.08	9	ND	ND	ND	ND	13	ND	4	99
5+50N 2+50E	.1	3.16	36	ND	174	4	.24	.1	17	104	48	3.69	.01	1.76	534	8	.11	89	.07	9	ND	ND	4	ND	14	ND	ND	114
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870898 GA JOB NUMBER: 870898 **AZIMUTH GEOLOGICAL**

SAMPLE #	Au ppb
0+00N-0+00	nd
0+00N-0+25E	nd
0+00N-0+50E	nd
0+00N-0+75E	10
0+00N-1+00E	10
0+00N-1+25E	20
0+00N-1+50E	nd
0+00N-1+75E	15
0+00N-2+00E	10
0+00N-2+25E	nd
0+00N-2+50E	nd
0+00N-2+75E	nd
0+00N-3+00E	10
0+00N-0+25W	10
0+00N-0+50W	20
0+00N-0+75W	15
0+00N-1+50W	nd
0+00N-1+75W	10
F.L. 0+00	5
F.L. 0+25W	25
F.L. 0+50W	15
F.L. 0+75W	10
F.L. 1+00W	5
F.L. 1+25W	20
F.L. 1+50W	20
F.L. 1+75W	nd
F.L. 2+00W	nd
F.L. 2+25W	10
F.L. 2+50W	10
F.L. 2+75W	10
F.L. 3+00W	15
F.L. 3+25W	15
F.L. 3+50W	45
F.L. 3+75W	20
F.L. 4+00W	nd
F.L. 4+25W	nd
F.L. 4+50W	nd
F.L. 4+75W	10
F.L. 5+00W	30
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
F.L. 5+25W	15
F.L. 5+50W	5
F.L. 5+75W	10
F.L. 6+00W	nd
F.L. 6+25W	20
F.L. 6+50W	10
F.L. 6+75W	5
F.L. 7+00W	5
F.L. 7+25W	nd
F.L. 7+50W	5
F.L. 7+75W	30
F.L. 8+00W	25
F.L. 8+25W	nd
F.L. 8+50W	nd
F.L. 8+75W	nd
F.L. 9+00W	10
L6+00E-8+00S	5
L6+00E-8+25S	15
L6+00E-8+50S	15
L6+00E-8+75S	10
L6+00E-9+00S	10
L6+00E-9+25S	5
L6+00E-9+50S	10
L6+00E-9+75S	5
L6+00E-10+00S	5
L6+00E-10+25S	nd
L6+00E-10+50S	10
L6+00E-10+75S	10
L6+00E-11+00S	nd
L6+00E-11+50S	10
L6+00E-11+75S	5
L6+00E-12+00S	5
L6+50E-8+00S	5
L6+50E-8+25S	10
L6+50E-8+50S	10
L6+50E-8+75S	10
L6+50E-9+00S	10
L6+50E-9+25S	5
L6+50E-9+50S	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L6+50E-9+75S	5
L6+50E-10+00S	15
L6+50E-10+25S	15
L6+50E-10+50S	5
L6+50E-10+75S	5
L6+50E-11+00S	nd
L6+50E-11+25S	nd
L6+50E-11+50S	5
L6+50E-11+75S	10
L6+50E-12+00S	5
L7+00E-8+25S	15
L7+00E-8+50S	10
L7+00E-8+75S	10
L7+00E-9+00S	15
L7+00E-9+25S	nd
L7+00E-9+50S	nd
L7+00E-10+00S	5
L8+00E-8+00S	5
L0+00E-8+25S	5
L0+00E-8+50S	5
L0+00E-8+75S	5
L0+00E-9+00S	10
L0+00E-9+25S	15
L0+00E-9+50S	10
L0+00E-9+75S	15
L0+00E-10+00S	10
L0+00E-10+50S	15

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SR,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH
ATTENTION:
PROJECT: 87-06-29

REPORT#: 870898PA
JOB#: 870898
INVOICE#: 870898NA

DATE RECEIVED: 87/07/30
DATE COMPLETED: 87/09/16
COPY SENT TO:

ANALYST D. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
0+00N-0+00	.2	1.02	10	ND	32	ND	.09	.1	8	119	12	1.64	.02	.76	139	1	.03	78	.02	9	ND	ND	ND	ND	6	ND	ND	19
0+00N-0+25E	.6	1.45	7	ND	26	ND	.06	.1	5	55	7	1.62	.04	.26	207	1	.02	24	.05	10	ND	ND	ND	1	6	ND	ND	18
0+00N-0+50E	.5	.89	13	ND	14	ND	.09	.1	9	115	10	1.64	.03	.84	115	1	.03	85	.02	11	ND	ND	3	2	5	ND	3	15
0+00N-0+75E	.1	2.38	9	ND	45	ND	.10	.1	13	147	24	3.80	.02	1.71	267	2	.11	122	.14	9	ND	ND	3	ND	6	ND	ND	53
0+00N-1+00E	.5	1.58	10	ND	64	3	.13	.1	10	125	18	2.52	.03	1.20	369	3	.07	109	.06	12	ND	ND	ND	2	10	ND	ND	39
0+00N-1+25E	.1	1.27	22	ND	35	ND	.09	.1	13	157	11	1.87	.02	1.43	267	1	.06	195	.03	5	ND	ND	ND	1	6	ND	3	45
0+00N-1+50E	.1	1.55	9	ND	24	3	.08	.1	12	111	14	2.12	.01	1.21	200	1	.06	171	.02	11	ND	ND	ND	2	6	ND	3	31
0+00N-1+75E	.2	1.01	7	ND	26	ND	.07	.1	11	118	9	1.94	.01	1.16	174	2	.05	129	.01	6	ND	ND	ND	1	6	ND	3	26
0+00N-2+00E	.1	3.12	7	ND	84	6	.18	.1	27	190	21	3.96	.01	2.89	335	2	.14	226	.02	3	ND	ND	ND	ND	7	ND	ND	67
0+00N-2+25E	.1	3.68	14	ND	277	ND	.17	.1	29	249	71	4.15	.04	2.70	860	4	.16	362	.04	3	ND	ND	ND	ND	12	ND	ND	100
0+00N-2+50E	.1	3.12	6	ND	102	ND	.10	.1	19	160	36	3.46	.02	2.02	550	2	.12	189	.03	4	ND	ND	ND	ND	6	ND	ND	80
0+00N-2+75E	.4	2.96	9	ND	112	4	.09	.1	20	188	42	3.51	.01	2.45	370	3	.12	214	.03	6	ND	ND	ND	ND	5	ND	ND	74
0+00N-3+00E	.3	2.83	8	ND	102	3	.11	.1	19	187	37	3.36	.01	2.39	363	3	.11	213	.03	5	ND	ND	ND	1	6	ND	ND	71
0+00N-0+25W	.1	2.81	5	ND	47	ND	.12	.1	23	248	40	2.79	.01	2.68	340	2	.10	318	.01	8	ND	ND	ND	1	5	ND	ND	51
0+00N-0+50W	.1	4.12	75	ND	266	ND	.08	.1	28	230	65	4.22	.01	3.53	1156	4	.18	344	.05	9	ND	ND	ND	ND	5	ND	ND	119
0+00N-0+75W	.1	3.97	48	ND	98	ND	.08	.1	26	191	50	3.60	.01	2.71	781	4	.13	259	.05	7	ND	ND	ND	ND	6	ND	ND	92
0+00N-1+50W	.2	1.24	ND	ND	15	ND	.05	.1	5	14	7	1.47	.03	.17	225	1	.02	11	.03	10	ND	ND	ND	ND	6	3	ND	19
0+00N-1+75W	.1	3.15	11	ND	29	ND	.20	.1	13	98	40	3.96	.01	1.19	274	2	.10	62	.09	3	ND	ND	ND	ND	10	ND	ND	35
F.L. 0+00	.4	1.09	5	ND	14	ND	.06	.1	5	18	11	1.77	.01	.31	93	2	.03	13	.04	12	ND	ND	4	2	6	3	3	16
F.L. 0+25W	.1	4.80	32	ND	25	ND	.16	.1	12	82	170	6.36	.01	2.42	554	3	.19	62	.05	ND	ND	ND	ND	ND	10	ND	ND	73
F.L. 0+50W	.4	3.47	28	ND	39	ND	.24	.1	19	101	116	3.29	.01	1.74	227	1	.09	127	.02	ND	ND	ND	ND	ND	22	ND	ND	28
F.L. 0+75W	.1	2.59	10	ND	25	ND	.12	.1	9	65	44	2.93	.01	.89	142	1	.07	44	.02	9	ND	ND	ND	ND	10	ND	ND	25
F.L. 1+00W	.3	1.07	4	ND	14	3	.05	.1	4	12	10	1.38	.02	.20	73	1	.02	11	.01	13	ND	ND	3	1	6	4	3	14
F.L. 1+25W	.1	4.68	201	3	55	ND	.12	.1	6	49	327	6.93	.01	2.61	1056	4	.26	16	.05	ND	ND	ND	ND	ND	23	ND	ND	241
F.L. 1+50W	.1	4.25	38	ND	54	3	.07	.1	13	52	208	5.26	.01	2.64	757	2	.19	36	.02	3	ND	ND	ND	ND	11	ND	ND	151
F.L. 1+75W	.1	3.26	22	ND	18	3	.13	.1	20	148	90	4.19	.01	2.40	326	1	.13	195	.02	2	ND	ND	ND	ND	9	ND	ND	44
F.L. 2+00W	.2	1.12	6	ND	13	ND	.05	.1	6	45	9	2.07	.02	.42	101	1	.04	32	.01	12	ND	ND	4	ND	5	3	ND	19
F.L. 2+25W	.4	.53	4	ND	16	3	.05	.2	4	10	8	.93	.01	.17	57	ND	.01	4	.01	10	ND	ND	4	1	6	ND	5	13
F.L. 2+50W	.2	1.14	10	ND	9	ND	.10	.1	7	12	19	1.09	.02	.28	115	1	.01	17	.02	8	ND	ND	4	ND	9	ND	4	20
F.L. 2+75W	.1	2.68	29	ND	20	ND	.15	.1	30	82	73	2.74	.01	1.34	191	2	.08	106	.02	6	ND	ND	ND	ND	12	ND	ND	37
F.L. 3+00W	.1	4.31	22	ND	71	5	.40	.1	36	66	232	4.46	.01	2.40	597	1	.16	66	.02	ND	ND	ND	ND	ND	36	ND	ND	100
F.L. 3+25W	.1	3.05	5	ND	69	ND	.16	.1	13	55	137	3.67	.01	1.60	302	2	.11	34	.02	4	ND	ND	ND	ND	28	ND	ND	59
F.L. 3+50W	.1	3.18	24	ND	82	ND	.18	.1	10	43	143	3.38	.01	1.63	372	2	.11	32	.03	2	ND	ND	ND	ND	43	ND	ND	55
F.L. 3+75W	.1	1.82	13	ND	23	ND	.14	.1	8	40	29	2.50	.01	.70	124	1	.06	31	.02	6	ND	ND	3	ND	11	ND	ND	19
F.L. 4+00W	.1	1.37	7	ND	17	ND	.09	.1	5	25	14	1.68	.01	.40	95	1	.03	13	.02	8	ND	ND	3	1	9	ND	ND	15
F.L. 4+25W	.1	1.82	5	ND	19	ND	.08	.1	4	17	11	1.41	.02	.24	77	1	.02	10	.02	9	ND	ND	4	ND	8	ND	3	14
F.L. 4+50W	.1	1.80	19	ND	34	ND	.16	.1	9	55	31	2.14	.01	.94	193	1	.05	47	.03	8	ND	ND	3	1	16	ND	ND	27
F.L. 4+75W	.1	3.62	20	ND	40	4	.25	.1	19	72	82	2.67	.01	1.59	257	2	.08	81	.02	1	ND	ND	ND	ND	23	ND	ND	33
F.L. 5+00W	.1	4.63	45	ND	157	ND	.59	.1	27	15	423	4.86	.03	2.71	587	2	.15	20	.02	ND	ND	ND	ND	ND	167	ND	ND	64
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
F.L. 5+25W	.1	2.62	24	ND	49	5	.20	.1	11	39	48	2.50	.01	1.18	238	1	.07	34	.03	7	ND	ND	3	ND	31	ND	ND	33
F.L. 5+50W	.1	5.02	46	ND	102	ND	.54	.1	28	74	146	4.09	.02	2.63	606	1	.13	83	.02	9	ND	ND	ND	ND	93	ND	ND	52
F.L. 5+75W	.1	4.39	28	ND	62	4	.19	.1	22	80	128	3.44	.01	2.00	330	1	.10	103	.03	11	ND	ND	ND	ND	14	ND	ND	39
F.L. 6+00W	.3	1.45	10	ND	26	ND	.08	.1	5	16	25	1.33	.02	.34	112	ND	.02	12	.01	8	ND	ND	4	1	15	4	ND	17
F.L. 6+25W	.1	4.12	30	ND	76	ND	.51	.1	19	41	76	3.06	.04	1.87	423	ND	.08	34	.02	8	ND	ND	ND	ND	52	ND	ND	35
F.L. 6+50W	.1	6.00	58	ND	133	4	.34	.1	30	109	125	4.44	.01	3.40	532	ND	.15	96	.03	10	ND	ND	ND	ND	49	ND	ND	52
F.L. 6+75W	.1	4.76	52	ND	103	3	.32	.1	23	103	79	3.87	.01	2.54	672	ND	.12	74	.03	11	ND	ND	ND	ND	25	ND	ND	45
F.L. 7+00W	.1	3.65	13	ND	66	3	.22	.1	16	114	27	2.22	.01	1.72	327	ND	.07	73	.02	8	ND	ND	ND	ND	29	ND	ND	36
F.L. 7+25W	.4	1.43	5	ND	14	ND	.06	.1	4	10	15	1.37	.03	.19	104	ND	.01	5	.04	8	ND	ND	4	ND	8	6	ND	15
F.L. 7+50W	.1	4.82	19	ND	46	ND	.19	.1	21	148	53	2.67	.02	2.45	392	1	.08	84	.03	11	ND	ND	ND	ND	14	ND	ND	35
F.L. 7+75W	.1	5.58	28	ND	76	3	.48	.1	28	143	129	3.95	.01	3.29	884	ND	.14	104	.03	8	ND	ND	ND	ND	50	ND	ND	43
F.L. 8+00W	.1	5.15	126	ND	47	4	.13	.1	28	141	107	4.51	.01	3.47	683	ND	.16	105	.02	10	ND	ND	ND	ND	15	ND	ND	52
F.L. 8+25W	.6	1.08	10	ND	13	ND	.06	.1	4	20	10	1.27	.04	.27	78	ND	.01	14	.01	10	ND	ND	5	1	6	10	ND	11
F.L. 8+50W	.5	1.35	9	ND	16	ND	.07	.1	4	23	7	1.35	.06	.20	87	ND	.01	12	.02	9	ND	ND	5	ND	7	13	ND	13
F.L. 8+75W	.1	1.35	8	ND	19	ND	.10	.1	12	90	25	2.12	.02	1.16	140	ND	.05	115	.01	5	ND	ND	3	2	7	ND	5	21
F.L. 9+00W	.1	1.50	11	ND	20	ND	.10	.1	11	83	25	2.11	.02	1.04	204	ND	.05	87	.03	8	ND	ND	5	1	7	ND	4	26
L6+00E-8+00S	.1	3.12	143	ND	87	ND	.38	.6	46	53	64	5.50	.06	1.31	968	4	.27	125	.10	15	ND	ND	ND	ND	14	ND	ND	445
L6+00E-8+25S	.1	1.83	44	ND	97	ND	1.16	1.8	17	50	87	3.42	.05	1.04	1779	17	.20	173	.06	8	ND	ND	4	1	39	ND	3	356
L6+00E-8+50S	.1	2.12	57	ND	116	ND	.73	4.4	15	69	90	5.50	.06	1.31	4628	67	.32	145	.06	12	ND	ND	3	ND	26	ND	ND	587
L6+00E-8+75S	.1	1.83	27	ND	77	ND	.36	1.3	11	62	44	3.82	.04	.93	983	34	.29	160	.03	8	ND	ND	3	ND	18	ND	ND	609
L6+00E-9+00S	.1	2.99	35	ND	89	4	.73	2.7	31	169	87	4.27	.03	2.50	1245	14	.35	285	.04	8	ND	ND	ND	ND	27	ND	ND	707
L6+00E-9+25S	.1	2.32	22	ND	95	4	.22	5.1	23	53	44	3.67	.05	.98	717	5	.65	216	.02	14	ND	ND	4	1	14	ND	ND	1622
L6+00E-9+50S	.2	1.95	113	ND	74	ND	.29	.8	20	42	104	3.29	.04	.86	637	25	.17	108	.04	9	ND	ND	3	1	13	ND	ND	343
L6+00E-9+75S	.2	2.75	130	3	161	4	.54	.1	23	213	99	3.90	.04	2.52	664	18	.22	144	.05	9	ND	ND	ND	3	24	ND	ND	371
L6+00E-10+00S	.1	2.58	115	ND	94	ND	.45	.8	54	172	158	4.83	.04	1.98	704	33	.28	575	.03	11	ND	ND	3	ND	19	ND	ND	476
L6+00E-10+25S	.3	2.17	78	ND	108	ND	.66	2.1	21	72	176	3.45	.06	1.21	945	30	.20	570	.06	8	ND	ND	6	ND	28	ND	22	410
L6+00E-10+50S	.1	3.77	15	3	67	ND	.34	.1	31	181	30	5.30	.01	2.79	509	4	.17	155	.03	15	ND	ND	ND	5	8	ND	ND	128
L6+00E-10+75S	.5	2.90	43	ND	67	3	.19	.1	17	67	44	3.59	.05	1.20	304	2	.12	92	.05	23	ND	ND	3	1	7	3	ND	151
L6+00E-11+00S	.6	1.61	15	ND	53	3	.13	.1	15	32	20	2.33	.04	.65	432	1	.06	47	.05	12	ND	ND	5	2	6	7	ND	104
L6+00E-11+50S	.5	2.68	13	ND	54	ND	1.00	1.7	9	16	39	2.37	.04	.81	177	1	.07	145	.02	6	ND	ND	ND	ND	39	5	ND	86
L6+00E-11+75S	.4	2.49	13	ND	48	ND	.16	.1	14	28	27	3.59	.05	1.14	301	3	.12	58	.02	7	ND	ND	3	1	8	3	ND	149
L6+00E-12+00S	.1	3.52	45	ND	70	ND	.34	1.1	19	33	33	3.65	.04	1.25	491	1	.13	69	.14	11	ND	ND	ND	ND	18	3	ND	167
L6+50E-8+00S	.3	2.00	16	ND	63	ND	.29	1.3	17	46	38	3.29	.05	.88	960	11	.20	110	.02	11	ND	ND	ND	1	12	4	ND	398
L6+50E-8+25S	.2	1.97	23	ND	119	ND	.28	1.3	16	47	30	3.75	.06	.91	2082	11	.25	83	.07	11	ND	ND	3	ND	13	ND	ND	504
L6+50E-8+50S	.1	1.87	49	ND	116	ND	.88	7.1	11	56	59	5.55	.08	1.06	4445	45	.45	161	.04	14	ND	ND	ND	ND	34	ND	ND	977
L6+50E-8+75S	.1	1.79	28	ND	105	ND	.66	3.2	13	56	71	3.17	.05	.93	1337	35	.22	192	.05	8	ND	ND	3	ND	26	ND	ND	449
L6+50E-9+00S	.1	2.81	43	3	87	4	.69	2.9	32	143	120	4.05	.07	2.15	1284	10	.32	281	.05	15	ND	ND	3	ND	27	ND	ND	631
L6+50E-9+25S	.1	2.27	29	ND	62	ND	.46	19.3	20	88	158	3.29	.03	1.20	1106	7	1.08	660	.04	19	ND	ND	ND	ND	20	ND	ND	2805
L6+50E-9+50S	.1	2.24	35	ND	76	ND	.64	1.8	17	54	106	3.34	.03	.91	1490	16	.17	166	.04	10	ND	ND	ND	ND	27	ND	ND	337
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: AZIMUTH JOB#: 870898 PROJECT: 87-06-29 REPORT: 870898PA DATE: 87/09/16

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L6+50E-9+75S	.3	2.21	77	ND	58	4	.18	.1	14	55	59	3.36	.04	.93	309	14	.18	79	.02	11	ND	ND	3	ND	9	ND	ND	289
L6+50E-10+00S	.9	2.37	205	ND	85	4	.66	1.7	19	56	372	3.26	.05	1.01	1472	39	.22	257	.08	8	ND	ND	3	ND	30	ND	ND	426
L6+50E-10+25S	.1	2.50	45	ND	265	4	.40	3.8	24	79	79	3.79	.03	1.38	786	18	.31	262	.05	11	ND	ND	ND	ND	20	ND	ND	570
L6+50E-10+50S	.3	2.72	26	ND	95	ND	.28	.6	31	122	77	3.88	.02	1.61	310	18	.27	867	.02	8	ND	ND	ND	ND	13	ND	ND	445
L6+50E-10+75S	.2	3.55	8	ND	88	6	.33	.1	28	98	36	4.84	.01	2.14	435	4	.20	114	.03	5	ND	ND	ND	2	11	ND	ND	197
L6+50E-11+00S	.3	1.07	10	ND	86	ND	.11	.1	7	29	18	2.20	.02	.46	1226	1	.06	27	.07	18	ND	ND	3	1	6	ND	ND	81
L6+50E-11+25S	.3	1.89	13	ND	73	4	.17	.1	20	34	43	3.07	.01	.73	1082	2	.11	64	.05	17	ND	ND	ND	ND	9	ND	ND	132
L6+50E-11+50S	.3	3.58	40	ND	99	ND	.31	.1	32	101	117	4.27	.02	1.93	482	3	.15	228	.05	7	ND	ND	ND	ND	14	ND	ND	123
L6+50E-11+75S	.1	1.77	31	ND	57	4	.16	.1	16	36	28	2.83	.02	.72	241	3	.10	46	.03	11	ND	ND	ND	ND	10	ND	ND	119
L6+50E-12+00S	.1	3.85	8	ND	79	3	.45	.1	19	31	62	5.08	.01	2.28	508	2	.18	122	.03	ND	ND	ND	ND	ND	14	ND	ND	104
L7+00E-8+25S	.1	1.82	199	3	347	ND	.61	43.7	9	46	230	8.62	.05	.90	16973	160	.82	414	.06	15	ND	ND	4	ND	31	ND	ND	1649
L7+00E-8+50S	.1	2.93	33	ND	61	6	.38	3.2	48	66	89	5.52	.02	1.31	1249	10	.43	245	.03	11	ND	ND	ND	ND	13	ND	ND	811
L7+00E-8+75S	.2	2.49	42	ND	83	5	.74	1.4	18	81	116	3.99	.02	1.15	1178	10	.30	338	.05	6	ND	ND	ND	ND	29	ND	ND	582
L7+00E-9+00S	.6	2.64	29	ND	73	4	.56	3.3	18	56	55	4.52	.02	1.07	505	7	.55	138	.04	11	ND	ND	ND	1	20	ND	ND	1215
L7+00E-9+25S	.1	3.44	34	ND	64	9	.28	.7	27	238	52	4.71	.01	2.89	762	8	.30	208	.03	15	ND	ND	ND	ND	11	ND	ND	451
L7+00E-9+50S	.1	2.48	646	ND	51	ND	.16	.1	15	47	42	4.44	.02	.78	384	18	.15	57	.04	11	ND	ND	4	ND	11	ND	ND	191
L7+00E-10+00S	.5	1.91	37	ND	55	3	.30	.1	10	43	56	3.39	.01	.71	239	21	.11	58	.03	17	ND	ND	3	ND	14	ND	ND	162
L8+00E-8+00S	.1	2.14	228	ND	79	ND	.48	4.0	9	42	48	4.41	.03	.81	2170	34	.49	295	.04	10	ND	ND	4	ND	22	ND	ND	1091
L8+00E-8+25S	.1	2.85	53	ND	87	7	.32	1.4	30	75	56	5.46	.02	1.24	913	10	.35	164	.05	13	ND	ND	ND	ND	13	ND	ND	648
L8+00E-8+50S	.1	3.35	65	ND	124	4	.24	2.6	24	72	54	5.08	.04	1.31	1798	9	.48	200	.04	7	ND	ND	ND	ND	11	ND	ND	1057
L8+00E-8+75S	.1	2.13	42	ND	58	4	.22	.8	11	57	66	4.04	.01	.92	381	8	.30	142	.04	11	ND	ND	3	ND	10	ND	ND	632
L8+00E-9+00S	.1	3.01	43	ND	93	10	.18	.3	18	69	73	4.34	.03	1.25	546	12	.51	253	.02	22	ND	ND	ND	ND	8	ND	ND	1185
L8+00E-9+25S	.1	2.66	17	ND	69	ND	.25	2.4	21	66	50	3.59	.01	.93	1420	8	.38	153	.02	6	ND	ND	ND	ND	13	ND	ND	877
L8+00E-9+50S	.1	3.61	35	ND	112	4	.18	.1	24	88	82	4.58	.02	1.62	477	6	.24	196	.07	12	ND	ND	ND	ND	11	ND	ND	407
L8+00E-9+75S	.1	3.05	227	ND	129	3	.29	1.5	19	72	74	4.43	.02	1.25	879	12	.22	96	.06	7	ND	ND	ND	ND	18	ND	ND	384
L8+00E-10+00S	.1	2.82	150	ND	128	ND	.65	2.0	20	88	119	4.38	.03	1.29	674	41	.32	286	.07	7	ND	ND	5	ND	30	ND	ND	685
L8+00E-10+50S	.1	4.00	76	ND	143	7	.26	.2	27	147	105	4.88	.01	1.86	914	54	.30	150	.04	6	ND	ND	ND	ND	13	ND	ND	569
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870834 GA JOB NUMBER: 870834 **AZIMUTH GEOLOGICAL**

SAMPLE #		Au ppb
L0+00	0+00E	10
L0+00	0+25E	280
L0+00	0+50E	30
L0+00	0+75E	150
L0+00	1+00E	20
L0+00	1+25E	nd
L0+00	1+50E	10
L0+00	1+75E	35
L0+00	0+00W	35
L0+00	0+50W	5
L0+00	1+00W	45
L0+00	1+25W	20
L0+00	1+50W	20
L0+00	1+75W	15
L0+00	2+00W	15
L0+50N	0+00E	5
L0+50N	0+25E	310
L0+50N	0+50E	160
L0+50N	0+75E	160
L0+50N	1+00E	70
L0+50N	1+25E	30
L0+50N	1+50E	5
L0+50N	1+75E	20
L0+50N	0+00W	5
L0+50N	0+25W	10
L0+50N	0+75W	10
L0+50N	1+25W	50
L0+50N	1+50W	20
L0+50N	1+75W	5
L0+50N	2+00W	25
L0+50S	0+00	10
L0+50S	0+25E	10
L0+50S	0+50E	60
L0+50S	0+75E	50
L0+50S	1+00E	120
L0+50S	0+25W	5
L0+50S	0+50W	10
L0+50S	0+75W	10
L0+50S	1+00W	30
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L0+50S 1+25W	40
L0+50S 1+50W	25
L0+50S 1+75W	30
L0+50S 2+00W	40
L1+00N 0+00	130
L1+00N 0+25E	230
L1+00N 0+25W	10
L1+00N 0+50W	20
L1+00N 0+75W	15
L1+00N 1+00W	40
L1+00N 1+50W	25
L1+00N 1+75W	10
L1+00N 2+00W	nd
L1+00S 0+00	10
L1+00S 0+25E	30
L1+00S 0+50E	60
L1+00S 0+75E	40
L1+00S 1+00E	40
L1+00S 1+25E	40
L1+00S 0+25W	25
L1+00S 0+50W	5
L1+00S 0+75W	35
L1+00S 1+00W	10
L1+00S 1+25W	15
L1+00S 1+50W	60
L1+00S 1+75W	30
L1+00S 2+00W	10
L1+50N 0+25E	10
L1+50N 0+50E	10
L1+50N 0+75E	10
L1+50N 1+00E	nd
L1+50N 1+25E	20
L1+50N 1+50E	nd
L1+50N 1+75E	nd
L1+50N 2+00E	nd
L1+50N 2+25E	nd
L1+50N 2+50E	nd
L1+50N 2+75E	nd
L1+50N 3+00E	10
DETECTION LIMIT	5

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L1+50N 0+00W	nd
L1+50N 0+25W	nd
L1+50N 0+50W	nd
L1+50N 0+75W	nd
L1+50N 1+00W	nd
L1+50N 1+25W	10
L1+50N 1+50W	nd
L1+50N 1+75W	nd
L1+50N 2+00W	nd
L1+50N 2+25W	nd
L1+50N 2+50W	nd
L1+50N 2+75W	nd
L1+50N 3+00W	nd
L1+50S 0+00	30
L1+50S 0+25E	10
L1+50S 0+50E	30
L1+50S 0+75E	60
L1+50S 1+00E	40
L1+50S 0+25W	10
L1+50S 0+50W	10
L1+50S 0+75W	15
L1+50S 1+00W	50
L1+50S 1+25W	50
L1+50S 1+50W	20
L1+50S 1+75W	110
L1+50S 2+00W	200
L2+00N 0+00	10
L2+00N 0+25E	10
L2+00N 0+50E	15
L2+00N 0+75E	15
L2+00N 1+00E	10
L2+00N 1+25E	20
L2+00N 1+50E	5
L2+00N 1+75E	10
L2+00N 2+00E	20
L2+00N 2+25E	5
L2+00N 2+50E	nd
L2+00N 2+75E	nd
L2+00N 3+00E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L2+00N 0+25W	nd
L2+00N 0+50W	nd
L2+00N 0+75W	nd
L2+00N 1+00W	20
L2+00N 1+25W	20
L2+00N 1+50W	20
L2+00N 1+75W	nd
L2+00N 2+00W	15
L2+00N 2+25W	30
L2+00N 2+50W	30
L2+00N 2+75W	10
L2+00S 0+00	20
L2+00S 0+50E	5
L2+00S 0+75E	50
L2+00S 1+00E	40
L2+00S 0+25W	15
L2+00S 0+50W	30
L2+00S 0+75W	10
L2+00S 1+00W	50
L2+50S 0+50E	nd
L2+50S 0+75E	5
L2+50S 1+00E	10
L2+50S 1+25E	35
L3+00S 0+00	30
L3+00S 0+25E	nd
L3+00S 0+50E	25
L3+00S 0+75E	10
L3+00S 1+00E	20
L3+50S 0+00	15
L3+50S 0+25E	30
L3+50S 0+50E	10
L3+50S 0+75E	30
L3+50S 1+00E	15
L3+50S 1+25E	nd
L3+50S 1+50E	110
L3+50S 0+25W	40
L3+50S 0+50W	35
L3+50S 0+75W	nd
L3+50S 1+00W	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L3+50S 1+25W	5
L3+50S 1+50W	5
L4+00S 0+25E	10
L4+00S 0+50E	35
L4+00S 0+75E	40
L4+00S 1+00E	40
L4+00S 0+50W	15
L4+00S 0+75W	10
L4+00S 1+00W	5
L4+50S 0+00	10
L4+50S 0+50E	10
L4+50S 0+75E	10
L4+50S 1+00E	20
L4+50S 0+25W	10
L4+50S 0+50W	10
L4+50S 0+75W	nd
L4+50S 1+00W	10
L4+50S 1+25W	35
L4+50S 1+50W	nd
L5+00S 0+00	nd
L5+00S 0+25E	nd
L5+00S 0+50E	10
L5+00S 0+75E	30
L5+00S 1+00E	10
L5+00S 0+25W	nd
L5+00S 0+50W	50
L5+00S 0+75W	10
L5+00S 1+00W	10
L5+00S 1+25W	10
L5+00S 1+50W	10

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PB,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH GEOLOGICAL
ATTENTION:
PROJECT:

REPORT#: PA
JOB#: 870834
INVOICE#: NA

DATE RECEIVED: 87/08/09
DATE COMPLETED: 87/08/21
COPY SENT TO:

ANALYST W. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+00 0+00E	.1	1.76	101	ND	100	ND	.26	.1	23	62	104	3.22	.02	1.08	368	3	.08	95	.04	12	ND	ND	ND	ND	12	ND	ND	60
L0+00 0+25E	.7	1.87	304	ND	46	ND	.11	.1	10	39	36	3.60	.02	.64	167	5	.07	33	.03	19	ND	ND	ND	ND	12	ND	ND	51
L0+00 0+50E	.9	1.91	122	ND	67	ND	.08	.1	11	71	46	3.60	.01	.88	203	6	.07	35	.03	21	ND	ND	ND	2	5	ND	ND	39
L0+00 0+75E	.1	2.74	227	ND	146	ND	.11	.1	14	63	59	6.15	.01	1.06	321	11	.14	45	.04	14	ND	ND	ND	1	11	ND	ND	86
L0+00 1+00E	.3	1.31	51	ND	70	ND	.08	.1	6	36	17	3.55	.01	.51	119	7	.06	11	.02	13	ND	ND	ND	ND	7	ND	ND	42
L0+00 1+25E	.2	.46	9	ND	34	ND	.05	.1	4	13	ND	1.18	.01	.19	69	2	.02	9	.02	9	ND	ND	ND	ND	6	ND	3	16
L0+00 1+50E	.1	2.29	41	ND	102	ND	.17	.1	15	79	52	3.35	.01	1.04	221	3	.08	65	.02	12	ND	ND	ND	ND	13	ND	ND	49
L0+00 1+75E	.3	1.28	55	ND	55	ND	.08	.1	7	45	13	2.29	.01	.56	126	3	.05	28	.03	13	ND	ND	ND	ND	6	ND	ND	33
L0+00 0+00W	.1	1.79	107	ND	92	ND	.22	.1	23	52	128	3.50	.01	1.01	313	4	.08	98	.04	8	ND	ND	ND	ND	11	ND	ND	51
L0+00 0+50W	.2	1.61	48	ND	102	ND	.22	.1	15	81	34	2.99	.01	1.29	201	4	.07	97	.02	16	ND	ND	ND	1	13	ND	ND	45
L0+00 1+00W	.1	1.37	78	ND	82	4	.11	.1	37	144	19	3.72	.01	4.44	264	2	.13	448	.04	11	ND	ND	ND	ND	8	ND	ND	48
L0+00 1+25W	.1	1.79	127	ND	110	5	.08	.1	48	137	64	4.02	.01	4.79	391	2	.14	666	.02	8	ND	ND	ND	ND	6	ND	ND	45
L0+00 1+50W	.1	1.31	89	ND	58	ND	.10	.1	32	96	11	2.95	.01	2.72	227	2	.08	421	.02	11	ND	ND	ND	ND	8	ND	5	30
L0+00 1+75W	.1	1.73	72	ND	75	4	.07	.1	45	110	13	3.69	.02	5.55	351	2	.14	636	.02	12	ND	ND	ND	ND	11	ND	ND	43
L0+00 2+00W	.1	1.16	56	ND	44	5	.04	.1	39	144	ND	2.83	.01	5.41	340	2	.12	649	.01	11	ND	ND	ND	ND	5	ND	ND	33
L0+50N 0+00E	.3	1.67	36	ND	138	ND	.22	.1	16	52	47	3.49	.01	1.01	438	4	.08	42	.06	19	ND	ND	3	ND	14	ND	ND	70
L0+50N 0+25E	.9	2.37	289	ND	73	ND	.10	.1	11	62	42	3.75	.01	.98	231	5	.07	53	.03	24	ND	ND	6	ND	16	ND	ND	65
L0+50N 0+50E	1.3	.91	109	ND	48	ND	.05	.1	7	22	3	1.93	.01	.35	131	4	.02	9	.02	23	ND	ND	7	2	5	4	ND	26
L0+50N 0+75E	1.2	2.49	152	ND	87	ND	.10	.1	10	46	70	4.94	.01	.45	161	7	.07	24	.02	31	ND	ND	6	ND	13	3	ND	38
L0+50N 1+00E	.3	3.22	180	ND	136	5	.27	.1	17	137	47	4.16	.01	1.60	277	7	.08	99	.02	22	ND	ND	4	1	23	ND	ND	60
L0+50N 1+25E	.9	1.35	73	ND	66	ND	.08	.1	9	44	9	2.54	.01	.54	138	4	.03	30	.03	27	ND	ND	7	ND	8	ND	ND	36
L0+50N 1+50E	1.1	.98	24	ND	68	6	.08	.1	9	31	14	2.20	.01	.50	126	4	.03	24	.02	23	ND	ND	7	1	7	4	ND	34
L0+50N 1+75E	.9	2.59	28	ND	253	6	.15	.1	18	359	39	2.86	.01	2.86	143	13	.07	141	.02	24	ND	ND	4	3	14	ND	ND	42
L0+50N 0+00W	.5	1.61	38	ND	117	ND	.20	.1	15	48	47	3.35	.01	.91	354	4	.07	37	.05	22	ND	ND	7	ND	12	ND	ND	74
L0+50N 0+25W	.1	1.16	31	ND	39	ND	.08	.1	9	38	16	2.79	.03	.51	141	3	.05	32	.04	17	ND	ND	ND	ND	5	ND	ND	35
L0+50N 0+75W	.1	1.37	146	ND	102	ND	.35	.1	24	113	56	2.93	.07	2.17	282	2	.08	346	.05	10	ND	ND	ND	ND	15	ND	ND	62
L0+50N 1+25W	.1	2.20	168	ND	153	ND	.25	.1	45	125	55	4.25	.26	4.80	480	1	.14	720	.02	3	ND	ND	ND	ND	15	ND	ND	50
L0+50N 1+50W	.1	2.18	188	ND	111	4	.24	.1	43	90	56	3.52	.05	4.19	443	2	.10	1018	.04	18	ND	ND	ND	ND	15	ND	ND	44
L0+50N 1+75W	.1	1.67	110	ND	83	6	.07	.1	43	112	19	3.47	.01	5.01	411	2	.11	673	.02	18	ND	ND	ND	ND	10	ND	ND	43
L0+50N 2+00W	.1	1.35	52	ND	64	ND	.04	.1	63	167	9	4.16	.24	10.49	480	1	.19	1108	.01	6	ND	ND	ND	ND	4	ND	ND	38
L+50S 0+00	.1	2.17	24	ND	161	3	.22	.1	20	93	56	3.20	.01	1.77	385	2	.08	91	.04	22	ND	ND	5	ND	13	ND	ND	65
L+50S 0+25E	.1	1.82	19	ND	86	ND	.15	.1	12	38	63	3.40	.01	.83	189	3	.07	28	.06	21	ND	ND	4	ND	9	ND	ND	60
L+50S 0+50E	.1	2.18	51	ND	111	ND	.17	.1	29	51	162	4.66	.32	1.31	282	4	.17	48	.07	7	ND	ND	ND	ND	12	ND	ND	373
L+50S 0+75E	.1	3.00	141	ND	107	ND	.17	.1	18	85	80	4.44	.40	1.16	254	4	.08	93	.04	10	ND	ND	ND	ND	12	ND	ND	60
L+50S 1+00E	.1	1.25	74	ND	35	ND	.06	.1	6	30	9	2.97	.41	.48	136	3	.06	16	.02	7	ND	ND	ND	ND	6	ND	ND	35
L+50S 0+25W	.1	2.22	50	ND	229	4	.25	.1	24	131	46	3.11	.12	2.06	416	2	.08	146	.05	14	ND	ND	ND	ND	20	ND	ND	62
L+50S 0+50W	.1	2.22	21	ND	106	ND	.14	.1	17	64	89	4.42	.53	1.12	177	2	.10	68	.04	4	ND	ND	ND	ND	9	ND	ND	67
L+50S 0+75W	.1	2.24	66	ND	82	ND	.17	.1	30	82	95	4.26	.63	2.18	188	3	.11	186	.03	4	ND	ND	ND	ND	8	ND	ND	79
L+50S 1+00W	.1	1.45	103	ND	86	ND	.17	.1	31	133	38	3.72	.60	2.45	284	2	.10	240	.03	9	ND	ND	ND	ND	9	ND	ND	68
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+50S 1+25W	.1	1.41	107	ND	45	ND	.06	.1	56	343	19	3.74	.01	8.03	409	ND	.19	894	.02	4	ND	ND	ND	ND	4	ND	ND	42
L0+50S 1+50W	.1	1.47	176	ND	53	ND	.08	.1	35	215	9	4.07	.01	4.19	281	1	.13	404	.02	6	ND	ND	ND	ND	5	ND	ND	39
L0+50S 1+75W	.1	1.87	128	ND	101	ND	.12	.1	45	160	33	3.79	.01	5.77	377	ND	.15	714	.03	7	ND	ND	ND	ND	9	ND	ND	42
L0+50S 2+00W	.1	1.35	111	ND	30	ND	.04	.1	80	233	7	4.25	.01	12.11	520	ND	.25	1152	.02	2	ND	ND	ND	ND	17	ND	ND	32
L1+00N 0+00	.1	1.92	108	ND	58	ND	.14	.1	11	42	41	2.87	.08	.64	168	2	.05	41	.04	18	ND	ND	4	ND	12	ND	ND	42
L1+00N 0+25E	.3	1.85	267	ND	95	ND	.06	.1	10	50	36	4.04	.20	.83	253	3	.07	27	.02	16	ND	ND	5	ND	5	ND	ND	58
L1+00N 0+25W	.1	2.11	75	ND	100	ND	.24	.1	19	72	100	3.62	.14	.98	202	3	.06	96	.04	21	ND	ND	3	ND	17	ND	ND	47
L1+00N 0+50W	.1	2.38	164	ND	70	ND	.35	.1	21	72	116	3.99	.14	1.06	239	4	.08	109	.05	17	ND	ND	5	ND	20	ND	ND	70
L1+00N 0+75W	.1	1.72	114	ND	100	ND	.32	.1	27	107	73	3.52	.11	1.51	403	4	.08	183	.07	11	ND	ND	ND	ND	16	ND	ND	71
L1+00N 1+00W	.1	2.08	134	ND	138	3	.20	.1	38	136	81	4.44	.08	2.68	366	2	.13	257	.03	13	ND	ND	ND	ND	12	ND	ND	144
L1+00N 1+50W	.1	1.58	101	ND	48	3	.06	.1	42	190	3	3.27	.01	6.58	373	ND	.15	654	.02	5	ND	ND	ND	ND	6	ND	ND	35
L1+00N 1+75W	.3	1.46	123	ND	76	4	.12	.1	32	98	19	3.17	.29	4.19	328	1	.08	484	.03	19	ND	ND	6	ND	10	ND	ND	40
L1+00N 2+00W	1.2	1.02	41	ND	62	5	.07	.1	19	77	5	2.47	.41	2.34	202	2	.05	219	.03	20	ND	ND	9	ND	5	ND	6	31
L1+00S 0+00	1.1	1.82	32	ND	167	4	.34	.1	22	61	90	3.70	.52	1.13	351	3	.06	57	.07	25	ND	ND	11	ND	16	ND	ND	83
L1+00S 0+25E	.8	1.79	32	ND	109	4	.17	.1	16	49	81	4.42	.50	1.01	206	3	.07	45	.07	24	ND	ND	12	ND	10	ND	ND	75
L1+00S 0+50E	.3	1.46	386	ND	99	3	.17	.1	32	181	36	3.42	.34	3.33	376	3	.08	569	.04	19	ND	ND	10	ND	12	ND	ND	79
L1+00S 0+75E	1.1	2.57	112	ND	129	6	.17	.1	22	98	77	4.50	.45	1.56	288	6	.08	87	.04	24	ND	ND	9	2	15	ND	ND	78
L1+00S 1+00E	.7	2.67	115	ND	157	ND	.13	.1	17	93	52	4.37	.40	1.41	233	8	.07	65	.04	21	ND	ND	7	2	13	ND	ND	60
L1+00S 1+25E	.1	2.77	117	ND	199	ND	.08	.1	11	152	43	3.17	.26	1.83	236	4	.07	53	.03	14	ND	ND	4	ND	15	ND	ND	68
L1+00S 0+25W	.1	2.99	53	ND	290	4	.24	.1	30	187	66	3.70	.54	2.79	527	2	.08	197	.05	19	ND	ND	6	ND	21	ND	ND	83
L1+00S 0+50W	.8	1.92	29	ND	81	3	.08	.1	18	65	39	3.08	.46	1.39	123	2	.05	84	.04	17	ND	ND	9	ND	7	ND	ND	43
L1+00S 0+75W	1.2	1.06	39	ND	55	3	.14	.1	13	49	24	3.50	.50	.56	115	2	.04	29	.04	20	ND	ND	11	1	6	ND	ND	25
L1+00S 1+00W	.1	2.08	226	ND	110	ND	.27	.1	70	235	94	4.50	.20	5.15	620	1	.16	686	.05	9	ND	ND	4	ND	12	ND	ND	147
L1+00S 1+25W	.1	1.61	133	ND	53	ND	.08	.1	59	327	34	4.74	.04	9.24	445	ND	.20	897	.02	2	ND	ND	ND	ND	5	ND	ND	56
L1+00S 1+50W	1.1	2.17	105	ND	113	5	.20	.1	40	159	50	4.66	.70	2.50	245	2	.08	248	.04	21	ND	ND	11	1	9	ND	ND	65
L1+00S 1+75W	.1	1.29	145	3	54	5	.07	.1	53	354	8	3.40	.38	7.03	471	ND	.13	944	.02	12	ND	ND	6	ND	4	ND	3	37
L1+00S 2+00W	.1	1.29	94	ND	20	ND	.02	.1	78	421	ND	4.49	.01	13.10	533	ND	.24	1556	.02	1	ND	ND	ND	ND	2	ND	ND	40
L1+50N 0+25E	.2	1.53	23	ND	17	ND	.12	.1	9	52	11	1.95	.46	.70	108	1	.02	47	.02	16	ND	ND	9	ND	11	ND	ND	14
L1+50N 0+50E	.1	1.01	15	ND	14	ND	.14	.1	6	41	6	1.43	.22	.55	99	ND	.02	27	.01	9	ND	ND	6	ND	12	ND	ND	11
L1+50N 0+75E	.1	3.42	152	ND	31	ND	.05	.1	9	25	134	4.23	.01	1.66	714	1	.12	18	.04	9	ND	ND	ND	ND	5	ND	ND	164
L1+50N 1+00E	.6	.89	23	ND	20	ND	.14	.1	7	38	13	1.75	.54	.56	98	ND	.01	27	.02	17	ND	ND	12	ND	11	ND	ND	15
L1+50N 1+25E	.1	1.38	25	ND	29	ND	.17	.1	11	66	16	2.36	.34	.85	140	ND	.03	50	.01	14	ND	ND	9	ND	15	ND	ND	28
L1+50N 1+50E	.1	2.83	45	ND	30	ND	.25	.1	18	102	68	3.42	.15	1.47	217	1	.07	106	.03	12	ND	ND	4	ND	19	ND	ND	60
L1+50N 1+75E	.1	2.08	35	ND	20	ND	.20	.1	13	69	28	2.83	.30	1.18	216	1	.06	63	.02	17	ND	ND	8	ND	14	ND	ND	97
L1+50N 2+00E	.1	2.57	36	ND	26	ND	.20	.1	16	79	72	3.16	.05	1.48	290	ND	.10	84	.02	7	ND	ND	4	ND	14	ND	ND	153
L1+50N 2+25E	.1	.96	20	ND	10	ND	.10	.1	7	27	ND	1.67	.40	.41	139	ND	.02	19	.01	11	ND	ND	10	ND	7	ND	ND	43
L1+50N 2+50E	.1	.83	12	ND	25	ND	.13	.1	6	40	ND	1.45	.12	.63	186	ND	.04	27	.01	5	ND	ND	7	ND	11	ND	ND	68
L1+50N 2+75E	.1	1.81	31	ND	20	ND	.12	.1	12	49	40	2.25	.24	.79	174	1	.04	60	.01	14	ND	ND	8	ND	11	ND	ND	52
L1+50N 3+00E	.1	3.40	53	ND	27	ND	.20	.1	24	115	89	3.97	.07	1.87	336	1	.12	129	.03	8	ND	ND	5	ND	15	ND	ND	177
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: AZIMUTH GEOLOGICAL JOB#: 870834 PROJECT: REPORT: 870834PA DATE: 87/08/21

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L1+50N 0+00W	.4	1.67	26	ND	20	ND	.08	.1	6	33	26	2.12	.30	.45	120	3	.03	22	.02	16	ND	ND	13	1	9	ND	3	16
L1+50N 0+25W	.4	1.88	30	ND	18	ND	.16	.1	10	68	24	2.77	.30	.89	142	3	.04	45	.02	16	ND	ND	11	3	11	ND	ND	16
L1+50N 0+50W	.2	2.16	32	ND	18	ND	.15	.1	9	63	30	2.41	.08	.75	115	2	.04	41	.02	12	ND	ND	16	2	11	ND	ND	15
L1+50N 0+75W	.1	3.40	30	ND	35	ND	.20	.1	16	96	64	3.22	.01	1.31	160	2	.07	99	.03	3	ND	ND	ND	ND	15	ND	ND	23
L1+50N 1+00W	.2	.98	15	ND	12	ND	.08	.1	3	22	8	1.14	.10	.22	59	1	.01	12	.01	5	ND	ND	8	1	11	ND	ND	7
L1+50N 1+25W	.1	3.08	29	ND	28	ND	.22	.1	12	94	38	2.84	.01	1.28	159	2	.06	66	.02	8	ND	ND	ND	ND	16	ND	ND	23
L1+50N 1+50W	.1	1.06	17	ND	24	ND	.12	.1	4	28	8	1.47	.01	.29	180	1	.03	13	.02	8	ND	ND	4	ND	12	ND	ND	19
L1+50N 1+75W	.8	.22	19	ND	11	ND	.05	.1	3	5	6	.53	.35	.06	46	1	.01	2	.01	11	ND	ND	10	3	5	ND	5	7
L1+50N 2+00W	.3	.65	15	ND	11	ND	.10	.1	5	30	15	.91	.08	.36	70	1	.01	19	.01	3	ND	ND	6	ND	8	ND	3	10
L1+50N 2+25W	.6	.71	19	ND	12	ND	.14	.1	6	35	7	1.13	.39	.39	96	1	.01	19	.01	9	ND	ND	8	1	10	ND	3	9
L1+50N 2+50W	1.7	.22	21	ND	5	ND	.03	.1	4	4	4	.68	.69	.05	47	1	.01	5	.01	15	ND	ND	12	4	3	12	4	7
L1+50N 2+75W	.8	2.00	27	ND	26	6	.19	.1	11	44	21	2.29	.51	.78	220	3	.03	37	.02	23	ND	ND	9	3	13	ND	3	19
L1+50N 3+00W	.4	1.88	23	ND	29	ND	.17	.1	12	43	69	1.61	.32	.81	106	1	.03	58	.03	13	ND	ND	8	1	15	ND	ND	12
L1+50S 0+00	.3	2.50	47	ND	133	4	.17	.1	24	102	136	4.14	.34	1.77	294	3	.11	115	.04	18	ND	ND	5	5	13	ND	ND	91
L1+50S 0+25E	1.7	1.52	22	ND	83	6	.10	.1	10	40	74	3.70	.55	.68	144	7	.06	18	.04	15	ND	ND	10	6	8	ND	ND	36
L1+50S 0+50E	.1	1.06	233	ND	34	ND	.05	.1	58	280	34	3.66	.01	9.16	501	5	.20	872	.03	19	ND	ND	ND	ND	3	ND	6	39
L1+50S 0+75E	1.2	2.97	85	ND	154	6	.08	.1	13	75	97	4.23	.65	1.28	326	8	.08	53	.05	30	ND	ND	10	5	11	ND	ND	81
L1+50S 1+00E	.5	2.72	76	ND	78	4	.07	.1	10	69	91	3.75	.17	1.04	186	7	.08	36	.02	17	ND	ND	ND	5	8	ND	ND	49
L1+50S 0;25W	.1	2.49	29	ND	185	ND	.20	.1	22	109	138	3.62	.01	1.77	318	1	.11	123	.04	2	ND	ND	ND	2	15	ND	ND	66
L1+50S 0+50W	.1	1.77	17	ND	123	ND	.10	.1	11	65	67	4.04	.13	.89	144	4	.08	34	.05	4	ND	ND	3	3	9	ND	ND	37
L1+50S 0+75W	.1	2.27	ND	ND	207	ND	.08	.1	17	93	143	5.05	.01	1.28	165	2	.14	38	.04	ND	ND	ND	ND	4	8	ND	ND	46
L1+50S 1+00W	.1	2.12	21	ND	126	ND	.16	.1	27	61	135	4.40	.01	1.35	312	1	.17	87	.03	ND	ND	ND	ND	ND	8	ND	ND	154
L1+50S 1+25W	.1	2.87	308	ND	162	ND	.20	.1	62	175	156	5.51	.01	4.65	465	1	.20	558	.02	6	ND	ND	ND	3	12	ND	ND	91
L1+50S 1+50W	.1	2.31	101	ND	105	7	.17	.1	53	160	157	4.60	.11	3.25	368	3	.20	444	.03	19	ND	ND	3	4	14	ND	ND	263
L1+50S 1+75W	.1	1.03	111	ND	38	ND	.02	.1	53	423	10	3.32	.01	10.64	475	ND	.26	1480	.01	10	ND	ND	ND	ND	1	ND	ND	25
L1+50S 2+00W	.1	1.45	183	ND	32	ND	.01	.1	68	668	18	4.62	.01	12.05	580	ND	.32	1468	.01	8	ND	ND	ND	ND	1	ND	ND	29
L2+00N 0+00	.1	2.66	25	ND	24	ND	.22	.1	13	90	48	3.32	.01	1.58	221	2	.10	81	.02	8	ND	ND	ND	ND	18	ND	ND	30
L2+00N 0+25E	.1	1.70	16	ND	24	ND	.11	.1	8	46	30	2.20	.01	.83	135	1	.06	35	.01	4	ND	ND	ND	ND	10	ND	ND	19
L2+00N 0+50E	.1	2.43	43	ND	40	ND	.15	.1	12	61	69	3.47	.03	1.47	236	2	.11	52	.01	8	ND	ND	ND	ND	13	ND	ND	62
L2+00N 0+75E	.1	2.72	35	ND	26	3	.13	.1	14	71	50	3.94	.03	1.51	262	3	.13	60	.02	16	ND	ND	ND	1	11	ND	ND	85
L2+00N 1+00E	.2	1.62	30	ND	25	ND	.16	.1	10	56	39	2.72	.06	1.11	203	1	.08	48	.02	10	ND	ND	ND	ND	13	ND	ND	46
L2+00N 1+25E	.1	1.93	20	ND	25	ND	.14	.1	11	68	40	3.12	.01	1.25	233	2	.10	58	.02	10	ND	ND	ND	2	11	ND	3	62
L2+00N 1+50E	.1	2.62	33	ND	25	ND	.16	.1	13	73	53	3.92	.01	1.50	267	2	.14	60	.02	5	ND	ND	ND	ND	11	ND	ND	83
L2+00N 1+75E	.1	2.97	24	ND	37	ND	.19	.1	14	86	87	3.77	.01	1.87	298	1	.15	90	.02	ND	ND	ND	ND	ND	17	ND	ND	48
L2+00N 2+00E	.1	3.75	40	ND	48	ND	.20	.1	21	94	111	4.25	.06	1.95	324	3	.14	111	.04	18	ND	ND	ND	ND	20	ND	ND	91
L2+00N 2+25E	.8	2.09	24	ND	28	ND	.20	.1	14	73	45	3.25	.13	1.43	266	3	.08	64	.03	19	ND	ND	3	1	13	ND	ND	65
L2+00N 2+50E	1.1	2.50	30	ND	24	ND	.19	.1	15	80	43	3.89	.13	1.43	274	4	.10	66	.03	22	ND	ND	4	3	14	ND	ND	58
L2+00N 2+75E	.8	4.16	47	ND	37	ND	.20	.1	31	119	105	4.55	.11	2.29	399	4	.15	158	.03	24	ND	ND	3	ND	16	ND	ND	112
L2+00N 3+00E	.6	3.57	37	ND	28	ND	.19	.1	24	103	94	4.09	.08	2.13	342	4	.13	136	.05	24	ND	ND	ND	2	13	ND	ND	82
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: AZIMUTH GEOLOGICAL JOB#: 870834 PROJECT: REPORT: 870834PA DATE: 87/08/21

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L2+00N 0+25W	.1	1.92	21	ND	28	ND	.15	.1	10	47	20	2.96	.06	.98	196	ND	.07	36	.01	9	ND	ND	3	1	11	ND	ND	38
L2+00N 0+50W	.1	2.77	29	ND	22	ND	.15	.1	12	64	68	3.63	.05	1.45	260	1	.09	53	.01	8	ND	ND	ND	1	9	ND	ND	55
L2+00N 0+75W	.4	1.41	10	ND	11	ND	.06	.1	7	27	20	2.42	.06	.61	173	ND	.04	21	.01	6	ND	ND	5	2	4	3	ND	36
L2+00N 1+00W	.1	2.82	25	ND	25	3	.18	.1	18	122	42	4.23	.04	1.90	268	1	.12	116	.01	5	ND	ND	ND	3	10	ND	ND	48
L2+00N 1+25W	.1	4.98	33	ND	50	ND	.22	.1	19	99	63	3.95	.05	1.70	214	2	.10	97	.02	10	ND	ND	ND	ND	17	ND	ND	45
L2+00N 1+50W	.3	2.15	19	ND	19	3	.13	.1	13	66	31	2.94	.06	1.11	162	1	.07	78	.01	9	ND	ND	4	1	9	ND	ND	45
L2+00N 1+75W	.5	1.55	15	ND	20	4	.15	.1	9	54	8	2.26	.07	.90	138	ND	.03	40	.01	9	ND	ND	3	2	9	4	ND	18
L2+00N 2+00W	.1	3.44	40	ND	32	3	.21	.1	22	144	65	4.51	.05	2.06	252	2	.12	151	.02	7	ND	ND	ND	ND	12	ND	ND	44
L2+00N 2+25W	.1	2.79	52	ND	41	ND	.22	.1	16	76	47	4.13	.06	1.86	263	1	.10	55	.02	9	ND	ND	ND	2	16	ND	ND	33
L2+00N 2+50W	.1	3.98	38	ND	48	ND	.17	.1	18	78	65	3.93	.06	1.84	288	1	.10	66	.01	9	ND	ND	ND	ND	13	ND	ND	36
L2+00N 2+75W	.1	4.11	41	ND	55	3	.20	.1	24	104	118	4.10	.05	2.34	316	2	.11	110	.01	9	ND	ND	ND	ND	16	ND	ND	42
L2+00S 0+00	.2	2.39	11	ND	102	ND	.20	.1	20	38	191	3.23	.08	1.10	236	1	.08	45	.04	7	ND	ND	3	4	9	ND	ND	92
L2+00S 0+50E	1.1	1.45	11	ND	18	ND	.09	.1	8	27	26	3.08	.07	.23	77	6	.04	10	.04	9	ND	ND	5	9	2	4	ND	19
L2+00S 0+75E	.8	1.43	27	ND	67	ND	.05	.1	9	33	15	3.01	.08	.72	161	3	.05	20	.02	8	ND	ND	5	8	4	4	3	33
L2+00S 1+00E	.5	3.39	67	ND	152	ND	.09	.1	17	95	92	4.64	.08	1.48	329	5	.12	83	.05	12	ND	ND	4	4	14	ND	ND	117
L2+00S 0+25W	.3	1.77	19	ND	81	3	.23	.1	18	49	241	3.62	.08	.86	209	2	.08	68	.03	6	ND	ND	3	4	6	3	ND	80
L2+00S 0+50W	.5	2.64	55	ND	222	3	.20	.1	32	135	154	4.41	.10	2.19	458	3	.13	144	.04	7	ND	ND	ND	7	11	ND	ND	90
L2+00S 0+75W	.3	2.01	30	ND	82	5	.19	.1	24	61	96	3.54	.07	1.09	227	2	.10	87	.04	9	ND	ND	4	3	9	ND	ND	114
L2+00S 1+00W	.1	2.50	60	ND	90	5	.19	.1	34	68	188	4.23	.06	1.35	181	2	.14	134	.03	8	ND	ND	ND	4	9	ND	ND	160
L2+50S 0+50E	.7	1.34	9	ND	72	ND	.13	.1	10	40	75	3.24	.07	.54	147	2	.06	48	.03	6	ND	ND	ND	5	7	ND	4	50
L2+50S 0+75E	.8	2.93	16	ND	165	6	.17	.1	15	81	94	4.03	.07	1.86	284	3	.09	36	.07	12	ND	ND	3	9	10	ND	ND	59
L2+50S 1+00E	.8	2.40	5	ND	163	4	.16	.1	9	51	75	3.13	.06	1.70	225	3	.07	12	.07	8	ND	ND	ND	7	9	ND	ND	47
L2+50S 1+25E	.1	2.53	313	ND	138	5	.17	.1	37	166	67	3.63	.05	3.10	632	3	.13	325	.05	4	ND	ND	ND	2	12	ND	ND	79
L3+00S 0+00	.1	2.79	55	ND	98	4	.50	.1	37	82	135	4.14	.06	1.75	514	1	.14	95	.06	4	ND	ND	ND	2	15	ND	ND	124
L3+00S 0+25E	.3	2.40	5	ND	117	5	.14	.1	23	104	44	3.76	.08	1.32	434	1	.10	42	.02	7	ND	ND	ND	7	3	ND	ND	97
L3+00S 0+50E	.6	2.32	48	ND	207	3	.23	.1	22	153	145	4.09	.08	1.52	286	2	.09	113	.03	8	ND	ND	ND	5	12	ND	ND	61
L3+00S 0+75E	1.1	1.49	4	ND	29	ND	.09	.1	8	36	45	3.11	.08	.46	131	7	.04	11	.03	8	ND	ND	5	6	3	8	ND	21
L3+00S 1+00E	.6	3.19	5	ND	106	ND	.12	.1	12	74	243	6.05	.06	1.92	307	4	.13	32	.08	10	ND	ND	ND	9	4	ND	ND	27
L3+00S 0+00	.1	2.49	292	ND	122	ND	.36	.1	29	105	123	3.28	.06	1.93	432	ND	.10	180	.06	7	ND	ND	ND	3	17	ND	ND	82
L3+00S 0+25E	.1	2.82	116	ND	232	7	.32	.1	32	150	61	3.65	.07	2.96	551	1	.12	232	.05	5	ND	ND	ND	3	18	ND	ND	70
L3+00S 0+50E	.9	2.45	5	ND	171	7	.14	.1	16	107	66	4.68	.09	1.24	299	1	.10	24	.04	9	ND	ND	ND	9	3	ND	ND	72
L3+00S 0+75E	.1	2.17	14	ND	84	ND	.08	.1	8	50	134	7.03	.07	.68	232	8	.14	23	.06	7	ND	ND	ND	3	6	ND	ND	33
L3+00S 1+00E	.1	3.02	301	ND	174	3	.29	.1	31	166	95	3.78	.07	2.51	579	4	.12	237	.07	8	ND	ND	ND	3	17	ND	ND	99
L3+00S 1+25E	.1	1.39	127	ND	51	ND	.09	.1	9	33	14	2.47	.07	.47	266	4	.04	21	.03	9	ND	ND	ND	3	8	ND	ND	46
L3+00S 1+50E	.5	2.26	235	ND	324	ND	.05	.1	9	46	63	4.38	.11	.98	377	4	.10	16	.04	9	ND	ND	ND	5	7	ND	ND	74
L3+00S 0+25W	.1	3.00	63	ND	164	ND	.15	.1	41	294	49	4.06	.03	5.28	491	1	.17	646	.03	4	ND	ND	ND	ND	9	ND	ND	55
L3+00S 0+50W	.5	2.61	704	ND	168	ND	.08	.1	41	129	117	6.95	.05	2.31	1987	5	.20	353	.05	10	ND	ND	ND	ND	6	ND	ND	104
L3+00S 0+75W	.1	1.78	9	ND	98	ND	.06	.1	9	62	6	2.06	.06	1.06	323	ND	.04	39	.04	9	ND	ND	ND	3	5	ND	ND	42
L3+00S 1+00W	.1	3.61	18	ND	189	ND	.08	.1	16	102	58	3.84	.07	2.03	349	2	.11	100	.05	6	ND	ND	ND	3	4	ND	ND	80
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: AZIMUTH GEOLOGICAL JOB#: 870834 PROJECT: REPORT: 870834PA DATE: 87/08/21

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L3+50S 1+25W	.6	2.50	37	ND	226	ND	.17	.1	26	167	37	3.29	.07	1.87	893	2	.08	175	.05	21	ND	ND	9	2	12	ND	ND	84
L3+50S 1+50W	.1	2.92	30	ND	332	5	.30	.1	30	194	49	3.50	.01	2.31	815	1	.12	238	.07	13	ND	ND	ND	1	20	ND	ND	92
L4+00S 0+P25E	.1	2.74	23	ND	278	6	.08	.1	12	136	47	3.12	.01	2.00	295	2	.10	85	.06	11	ND	ND	ND	1	6	ND	ND	68
L4+00S 0+50E	.1	2.66	266	ND	181	4	.11	.1	23	135	81	3.45	.01	2.08	643	1	.12	168	.05	3	ND	ND	ND	1	8	ND	ND	92
L4+00S 0+75E	.1	2.83	162	ND	161	5	.14	.1	23	133	52	3.41	.03	2.06	475	2	.10	161	.06	14	ND	ND	4	4	14	ND	ND	75
L4+00S 1+00E	.1	2.47	183	ND	220	ND	.06	.1	15	72	151	5.69	.02	1.13	506	4	.14	46	.08	8	ND	ND	ND	2	12	ND	ND	78
L4+00S 0+50W	.1	2.79	53	ND	281	8	.11	.1	14	83	128	3.83	.11	1.56	635	4	.10	79	.11	13	ND	ND	ND	1	12	ND	ND	85
L4+00S 0+75W	.1	2.52	62	ND	205	ND	.06	.1	11	74	87	3.17	.01	1.26	434	2	.10	78	.07	7	ND	ND	ND	ND	8	ND	ND	75
L4+00S 1+00W	.1	3.25	33	ND	129	3	.10	.1	14	120	53	3.25	.01	1.66	295	1	.10	121	.08	8	ND	ND	ND	ND	8	ND	ND	79
L4+50S 0+00	.3	2.77	20	ND	317	3	.16	.1	18	113	35	2.92	.10	2.12	273	1	.08	94	.06	12	ND	ND	4	3	10	ND	ND	56
L4+50S 0;50E	.1	1.43	42	ND	80	ND	.13	.1	8	34	24	1.91	.01	.61	200	ND	.05	45	.04	2	ND	ND	ND	2	11	ND	ND	43
L4+50S 0+75E	.1	2.87	60	ND	164	ND	.22	.1	26	93	62	3.74	.01	1.64	460	ND	.10	114	.04	4	ND	ND	ND	2	29	ND	ND	66
L4+50S 1+00E	.1	1.53	19	ND	118	ND	.04	.1	7	49	22	2.50	.01	.83	271	ND	.07	30	.02	4	ND	ND	ND	3	6	ND	ND	49
L4+50S 0+25W	.1	3.08	18	ND	223	ND	.05	.1	12	115	50	3.77	.01	1.56	350	1	.13	64	.04	ND	ND	ND	ND	ND	5	ND	ND	62
L4+50S 0+50W	.1	2.40	16	ND	221	ND	.07	.1	8	78	35	2.74	.01	1.39	258	ND	.08	57	.05	ND	ND	ND	ND	ND	6	ND	ND	55
L4+50S 0+75W	.1	1.97	ND	ND	100	ND	.02	.1	3	46	29	2.33	.01	.94	315	ND	.08	25	.03	ND	ND	ND	ND	ND	3	ND	ND	45
L4+50S 1+00W	.1	3.25	10	ND	164	ND	.19	.1	16	60	49	3.09	.01	1.21	585	ND	.11	77	.07	ND	ND	ND	ND	ND	7	ND	ND	63
L4+50S 1+25W	.1	3.45	28	ND	259	4	.22	.1	31	143	85	3.80	.01	2.00	679	1	.14	181	.05	6	ND	ND	ND	ND	15	ND	ND	177
L4+50S 1+50W	.1	2.70	25	ND	173	ND	.16	.1	20	93	46	3.34	.01	1.43	474	1	.11	106	.05	6	ND	ND	ND	2	12	ND	ND	131
L5+00S 0+00	.1	2.66	14	ND	396	ND	.07	.1	14	114	44	3.13	.08	1.75	297	2	.08	57	.04	7	ND	ND	3	3	5	ND	ND	67
L5+00S 0;25E	.1	2.70	27	ND	148	ND	.11	.2	14	112	41	3.00	.02	1.50	359	2	.08	77	.06	11	ND	ND	5	ND	9	ND	ND	63
L5+00S 0+50E	.1	2.52	64	ND	213	ND	.12	.1	20	115	52	2.95	.01	1.72	431	ND	.08	117	.06	ND	ND	ND	ND	ND	12	ND	ND	63
L5+00S 0+75E	.1	2.66	63	ND	325	ND	.12	.1	24	144	47	3.57	.01	2.20	609	ND	.11	155	.05	5	ND	ND	ND	2	17	ND	ND	78
L5+00S 1+00E	.4	1.87	61	ND	54	5	.04	.1	8	43	28	2.41	.06	.51	270	1	.04	31	.03	8	ND	ND	6	2	6	ND	ND	36
L5+00S 0+25W	.4	1.18	12	ND	23	3	.06	.2	3	14	9	1.06	.04	.25	86	ND	.01	10	.04	5	ND	ND	6	ND	6	ND	4	18
L5+00S 0+50W	.1	3.24	71	ND	373	ND	.11	.1	19	119	97	3.67	.08	1.87	494	ND	.10	108	.06	3	ND	ND	ND	ND	10	ND	ND	86
L5+00S 0+75W	.1	2.62	17	ND	105	ND	.13	.1	13	62	33	3.12	.01	1.02	364	ND	.07	56	.07	3	ND	ND	3	ND	6	ND	ND	54
L5+00S 1+00W	.1	2.22	15	ND	143	ND	.11	.1	12	60	23	2.93	.01	1.00	362	ND	.08	57	.04	ND	ND	ND	ND	ND	8	ND	ND	80
L5+00S 1+25W	.1	2.54	100	ND	371	3	.10	.1	21	108	74	4.09	.01	1.45	603	3	.12	121	.06	16	ND	ND	5	ND	18	ND	ND	139
L5+00S 1+50W	.1	2.12	61	ND	196	ND	.17	.1	18	75	57	3.91	.01	1.16	649	3	.12	88	.07	8	ND	ND	4	ND	19	ND	ND	150
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870925 GA JOB NUMBER: 870925 **AZIMUTH GEOLOGICAL**

SAMPLE #	Au ppb
RH-L 0+00N 3+25E	10
RH-L 0+00N 3+50E	10
RH-L 0+00N 3+75E	20
RH-L 0+00N 4+00E	nd
RH-L 0+00N 4+25E	15
RH-L 0+00N 4+50E	nd
RH-L 0+00N 4+75E	10
RH-L 0+00N 5+00E	nd
RH-L 0+50N 0+00E	nd
RH-L 0+50N 0+25E	nd
RH-L 0+50N 0+50E	nd
RH-L 0+50N 0+75E	10
RH-L 0+50N 1+00E	nd
RH-L 0+50N 1+25E	20
RH-L 0+50N 1+50E	nd
RH-L 0+50N 1+75E	nd
RH-L 0+50N 2+00E	nd
RH-L 0+50N 2+25E	nd
RH-L 0+50N 2+50E	nd
RH-L 0+50N 2+75E	nd
RH-L 0+50N 3+00E	nd
RH-L 0+50N 0+25W	10
RH-L 0+50N 0+50W	nd
RH-L 0+50N 0+75W	15
RH-L 0+50N 1+25W	10
RH-L 0+50N 1+50W	nd
RH-L 0+50N 1+75W	nd
RH-L 0+50N 2+00W	nd
RH-L 0+50N 2+25W	nd
RH-L 0+50N 2+50W	nd
RH-L 0+50N 2+75W	10
RH-L 0+50N 3+00W	nd
RH-L 1+00N 0+00E	nd
RH-L 1+00N 0+25E	nd
RH-L 1+00N 0+50E	nd
RH-L 1+00N 0+75E	nd
RH-L 1+00N 1+00E	nd
RH-L 1+00N 1+25E	10
RH-L 1+00N 1+50E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
RH-L 1+00N 1+75E	nd
RH-L 1+00N 2+00E	10
RH-L 1+00N 2+25E	10
RH-L 1+00N 2+50E	10
RH-L 1+00N 2+75E	nd
RH-L 1+00N 3+00E	nd
RH-L 1+00N 3+25E	nd
RH-L 1+00N 3+50E	nd
RH-L 1+00N 3+75E	nd
RH-L 1+00N 4+00E	nd
RH-L 1+00N 4+25E	10
RH-L 1+00N 4+50E	nd
RH-L 1+00N 4+75E	50
RH-L 1+00N 5+00E	nd
RH-L 1+00N 0+25W	nd
RH-L 1+00N 0+50W	nd
RH-L 1+00N 0+75W	nd
RH-L 1+00N 1+00W	nd
RH-L 1+00N 1+25W	10
RH-L 1+00N 1+50W	10
RH-L 1+00N 1+75W	nd
RH-L 1+00N 2+00W	nd
RH-L 1+00N 2+25W	nd
RH-L 1+00N 2+50W	10
RH-L 1+00N 2+75W	nd
RH-L 1+00N 3+00W	nd
RH-L 1+00S 0+00W	nd
RH-L 1+00S 0+25W	nd
RH-L 1+00S 0+50W	nd
RH-L 1+00S 0+75W	nd
RH-L 1+00S 1+00W	10
RH-L 1+00S 1+25W	40
RH-L 1+00S 1+50W	10
RH-L 1+00S 1+75W	nd
RH-L 1+00S 2+00W	20
RH-L 1+00S 2+25W	nd
RH-L 1+00S 2+50W	20
RH-L 1+00S 2+75W	5
RH-L 1+00S 3+00W	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Au ppb
RH-L 1+00S 3+25W	10
RH-L 1+00S 3+50W	nd
RH-L 1+00S 3+75W	10
RH-L 1+00S 4+00W	30
RH-L 1+00S 4+25W	nd
RH-L 1+00S 4+50W	nd
RH-L 1+00S 4+75W	nd
RH-L 1+00S 5+00W	nd
RH-L 2+00S 0+00W	nd
RH-L 2+00S 0+25W	nd
RH-L 2+00S 0+50W	10
RH-L 2+00S 0+75W	25
RH-L 2+00S 1+00W	10
RH-L 2+00S 1+25W	20
RH-L 2+00S 1+50W	20
RH-L 2+00S 1+75W	40
RH-L 2+00S 2+00W	10
RH-L 2+00S 2+25W	45
RH-L 2+00S 2+50W	10
RH-L 2+00S 2+75W	10
RH-L 2+00S 3+00W	20
RH-L 2+00S 3+25W	5
RH-L 2+00S 3+50W	10
RH-L 2+00S 3+75W	20
RH-L 2+00S 4+00W	20
RH-L 2+00S 4+25W	nd
RH-L 2+00S 4+50W	30
RH-L 2+00S 4+75W	nd
RH-L 2+00S 5+00W	nd
RH-L 3+00S 0+00E	5
RH-L 3+00S 0+25E	30
RH-L 3+00S 0+50E	nd
RH-L 3+00S 0+75E	nd
RH-L 3+00S 1+00E	nd
RH-L 3+00S 1+25E	nd
RH-L 3+00S 1+50E	nd
RH-L 3+00S 1+75E	nd
RH-L 3+00S 2+00E	nd
RH-L 3+00S 2+25E	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
RH-L 3+00S 2+50E	10
RH-L 3+00S 2+75E	nd
RH-L 3+00S 3+00E	10

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH GEOLOGICAL
ATTENTION:
PROJECT:

REPORT#: 870925PA
JOB#: 870925
INVOICE#: 870925NA

DATE RECEIVED: 87/08/10
DATE COMPLETED: 87/09/02
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
RH-L0+00 3+25E	.1	2.36	21	ND	85	4	.20	.1	31	258	41	3.02	.01	2.99	516	2	.12	469	.02	23	ND	ND	ND	ND	6	ND	ND	48
RH-L0+00 3+50E	.1	2.57	9	ND	77	3	.11	.1	17	147	26	3.66	.01	1.79	299	3	.11	183	.04	25	ND	ND	ND	ND	7	ND	ND	58
RH-L0+00 3+75E	.1	2.17	7	ND	105	ND	.14	.1	15	134	21	2.74	.01	1.67	266	3	.08	170	.04	21	ND	ND	ND	ND	9	ND	ND	48
RH-L0+00 4+00E	.1	2.95	27	ND	107	5	.26	.1	39	323	52	3.77	.01	3.74	646	2	.16	587	.03	29	ND	ND	ND	ND	8	ND	ND	60
RH-L0+00 4+25E	.1	1.38	13	ND	96	4	.11	.1	14	134	14	2.37	.01	1.33	264	2	.07	142	.02	15	ND	ND	ND	ND	7	ND	ND	34
RH-L0+00 4+50E	.1	1.75	19	ND	101	ND	.17	.1	19	207	16	3.00	.01	2.07	340	2	.10	236	.03	15	ND	ND	ND	ND	10	ND	ND	35
RH-L0+00 4+75E	.1	.68	3	ND	52	ND	.12	.1	6	93	4	1.45	.01	.76	135	ND	.04	78	.01	7	ND	ND	4	1	7	ND	4	17
RH-L0+00 5+00E	.1	1.53	11	ND	494	ND	1.06	1.6	23	174	42	2.08	.01	2.27	297	3	.08	1036	.05	16	ND	ND	ND	ND	32	ND	ND	31
RH-L0+50N 0+00E	.1	.44	ND	ND	117	ND	.12	.1	4	42	5	.79	.01	.44	171	ND	.02	57	.01	10	ND	ND	5	ND	8	ND	6	25
RH-L0+50N 0+25E	.1	2.20	11	ND	39	3	.16	.1	10	85	21	2.36	.01	1.12	284	2	.07	52	.02	11	ND	ND	ND	ND	20	ND	ND	24
RH-L0+50N 0+50E	.1	2.91	40	ND	23	ND	.17	.1	16	109	26	4.00	.01	2.16	410	2	.12	96	.03	16	ND	ND	ND	ND	18	ND	ND	35
RH-L0+50N 0+75E	.1	.46	4	ND	15	3	.05	.1	1	11	ND	.54	.01	.17	45	ND	.01	9	.01	2	ND	ND	5	ND	6	ND	4	6
RH-L0+50N 1+00E	.1	1.68	10	ND	38	ND	.14	.1	10	109	18	2.33	.01	1.13	181	ND	.07	90	.03	12	ND	ND	ND	ND	14	ND	6	27
RH-L0+50N 1+25E	.1	2.18	22	ND	52	ND	.14	.1	14	100	41	3.16	.01	1.41	384	ND	.08	88	.03	17	ND	ND	ND	ND	15	ND	ND	34
RH-L0+50N 1+50E	.1	2.79	28	ND	60	6	.14	.1	22	188	52	3.80	.01	2.25	673	1	.13	200	.04	30	ND	ND	ND	ND	11	ND	ND	63
RH-L0+50N 1+75E	.1	1.79	6	ND	38	ND	.08	.1	11	175	13	2.12	.01	1.87	239	ND	.08	145	.02	14	ND	ND	ND	ND	7	ND	3	32
RH-L0+50N 2+00E	.1	3.50	16	ND	41	ND	.07	.1	15	260	69	3.07	.01	4.17	480	1	.16	356	.03	38	ND	ND	ND	ND	4	ND	ND	80
RH-L0+50N 2+25E	.1	5.25	ND	ND	95	3	.08	.1	48	560	152	4.89	.01	5.94	710	4	.24	698	.06	53	ND	ND	ND	ND	4	ND	ND	95
RH-L0+50N 2+50E	.1	2.25	16	ND	74	ND	.11	.1	17	213	34	3.02	.01	1.87	269	1	.11	272	.03	21	ND	ND	ND	ND	9	ND	ND	46
RH-L0+50N 2+75E	.1	1.79	6	ND	76	ND	.13	.1	12	153	18	2.49	.01	1.68	250	ND	.10	155	.03	15	ND	ND	ND	ND	10	ND	ND	34
RH-L0+50N 3+00E	.1	.80	5	ND	24	ND	.07	.1	4	59	9	1.38	.01	.55	113	ND	.06	61	.01	7	ND	ND	3	ND	5	ND	3	16
RH-L0+50N 0+25W	.1	3.02	28	ND	90	ND	.93	.1	35	39	98	3.79	.01	1.33	1916	ND	.12	94	.07	20	ND	ND	ND	ND	711	ND	ND	27
RH-L0+50N 0+50W	.1	2.25	14	ND	108	ND	.35	.1	25	210	40	2.63	.01	2.08	657	ND	.11	246	.04	17	ND	ND	ND	ND	125	ND	ND	33
RH-L0+50N 0+75W	.1	4.66	47	ND	72	ND	.54	.1	59	220	283	4.99	.01	3.77	1835	ND	.20	291	.05	51	ND	ND	ND	ND	97	ND	14	58
RH-L0+50N 1+25W	.1	3.34	8	ND	74	ND	.17	.1	14	118	85	2.57	.01	1.61	275	ND	.12	169	.05	22	ND	ND	ND	ND	19	ND	ND	34
RH-L0+50N 1+50W	.1	1.01	ND	ND	20	ND	.10	.1	3	32	21	1.36	.01	.55	165	ND	.07	33	.02	10	ND	ND	ND	ND	12	ND	ND	21
RH-L0+50N 1+75W	.1	.69	ND	ND	9	ND	.05	.1	ND	31	2	.73	.01	.20	50	ND	.05	8	.01	3	ND	ND	ND	ND	6	ND	ND	7
RH-L0+50N 2+00W	.1	.78	ND	ND	22	ND	.10	.1	1	32	3	.88	.01	.46	106	ND	.07	61	.01	9	ND	ND	ND	ND	11	ND	ND	22
RH-L0+50N 2+25W	.1	2.04	ND	ND	35	ND	.13	.1	10	83	37	2.29	.01	.91	174	ND	.11	97	.02	14	ND	ND	ND	ND	10	ND	ND	26
RH-L0+50N 2+50W	.1	2.00	ND	ND	38	ND	.12	.1	10	102	31	2.27	.01	1.18	268	ND	.11	115	.04	17	ND	ND	ND	ND	14	ND	ND	36
RH-L0+50N 2+75W	.1	1.81	12	ND	25	ND	.20	.1	6	59	12	2.47	.01	.96	203	ND	.10	52	.03	9	ND	ND	ND	ND	19	ND	ND	21
RH-L0+50N 3+00W	.1	2.70	28	ND	27	ND	.28	.1	16	118	39	3.13	.01	1.82	267	ND	.13	168	.02	13	ND	ND	ND	ND	24	ND	ND	23
RH-L1+00N 0+00E	.1	2.08	ND	ND	21	ND	.11	.1	8	64	41	2.00	.01	.86	134	ND	.10	89	.02	12	ND	ND	ND	ND	9	ND	ND	20
RH-L1+00N 0+25E	.1	2.75	ND	ND	35	ND	.20	.1	19	136	76	3.29	.01	1.87	287	ND	.14	163	.03	20	ND	ND	ND	ND	18	ND	ND	32
RH-L1+00N 0+50E	.1	3.37	5	ND	41	ND	.22	.1	18	123	89	3.80	.01	1.62	326	ND	.15	116	.04	27	ND	ND	ND	ND	31	ND	ND	46
RH-L1+00N 0+75E	.1	2.56	3	ND	61	ND	.22	.1	17	136	82	3.25	.01	1.77	687	ND	.15	197	.03	22	ND	ND	ND	ND	24	ND	ND	36
RH-L1+00N 1+00E	.1	1.98	4	ND	32	ND	.11	.1	6	51	32	2.75	.01	.78	209	ND	.12	58	.05	14	ND	ND	ND	ND	15	ND	ND	28
RH-L1+00N 1+25E	.1	4.07	63	ND	36	4	.20	.1	32	170	142	4.58	.01	2.58	392	1	.14	273	.03	44	ND	ND	4	ND	22	ND	ND	75
RH-L1+00N 1+50E	.1	2.77	33	ND	23	ND	.15	.1	16	114	39	3.97	.01	1.66	303	1	.11	95	.02	30	ND	ND	7	ND	8	ND	ND	66
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
RH-L1+00N 1+75E	.1	4.09	47	ND	22	ND	.17	.1	28	139	165	4.97	.01	2.25	364	2	.20	191	.03	ND	ND	ND	ND	ND	13	ND	ND	110
RH-L1+00N 2+00E	.1	3.22	82	ND	28	5	.10	.1	24	177	69	4.29	.02	1.92	342	3	.16	234	.03	2	ND	ND	ND	ND	7	ND	ND	86
RH-L1+00N 2+25E	.1	3.13	38	ND	26	3	.14	.1	20	130	103	4.50	.02	2.07	383	2	.22	166	.03	ND	ND	ND	ND	ND	11	ND	ND	211
RH-L1+00N 2+50E	.1	2.47	10	ND	21	3	.07	.1	9	52	54	3.50	.02	1.47	350	2	.14	45	.03	6	ND	ND	ND	ND	7	ND	ND	118
RH-L1+00N 2+75E	.1	1.91	11	ND	19	3	.08	.1	10	67	42	3.08	.01	1.12	287	2	.13	64	.02	7	ND	ND	ND	ND	7	ND	ND	126
RH-L1+00N 3+00E	.2	1.95	ND	ND	44	4	.14	.1	10	91	15	2.43	.02	1.36	221	1	.08	64	.01	7	ND	ND	ND	ND	8	ND	ND	48
RH-L1+00N 3+25E	.1	3.15	39	ND	21	3	.14	.1	14	124	49	4.49	.01	1.68	313	2	.16	100	.03	1	ND	ND	ND	ND	10	ND	ND	81
RH-L1+00N 3+50E	.3	2.54	23	ND	28	4	.17	.1	18	150	33	3.60	.03	1.54	263	2	.16	152	.02	4	ND	ND	ND	ND	13	ND	ND	148
RH-L1+00N 3+75E	.1	2.66	22	ND	29	ND	.20	.1	16	95	54	3.45	.02	1.52	246	1	.14	97	.02	3	ND	ND	ND	ND	15	ND	ND	103
RH-L1+00N 4+00E	.1	2.22	29	ND	16	ND	.15	.1	11	74	36	3.66	.03	1.26	236	2	.14	58	.03	6	ND	ND	ND	ND	9	ND	3	103
RH-L1+00N 4+25E	.2	2.52	30	ND	28	3	.16	.1	16	84	39	4.30	.03	1.54	292	2	.20	78	.05	5	ND	ND	ND	ND	10	ND	ND	229
RH-L1+00N 4+50E	.3	1.37	4	ND	36	ND	.11	.1	10	107	15	2.12	.02	1.12	187	1	.07	108	.02	8	ND	ND	ND	1	9	ND	ND	35
RH-L1+00N 4+75E	.1	2.97	17	ND	145	ND	.19	.1	32	282	61	3.70	.04	3.12	465	2	.17	489	.04	1	ND	ND	ND	ND	9	ND	ND	63
RH-L1+00N 5+00E	.5	.17	ND	ND	20	ND	.04	.1	2	7	3	.38	.03	.08	40	ND	.01	9	.01	9	ND	ND	5	1	4	ND	6	9
RH-L1+00N 0+25W	.4	.96	ND	ND	17	ND	.08	.1	4	23	15	1.04	.03	.29	80	1	.01	13	.01	9	ND	ND	ND	ND	8	ND	6	14
RH-L1+00N 0+50W	.1	2.75	17	ND	32	ND	.25	.1	20	158	54	3.41	.03	2.24	242	2	.13	195	.02	2	ND	ND	ND	ND	18	ND	ND	28
RH-L1+00N 0+75W	.3	2.37	11	ND	33	4	.17	.1	17	98	48	2.54	.03	1.46	245	2	.08	146	.01	5	ND	ND	ND	ND	17	ND	ND	30
RH-L1+00N 1+00W	.3	1.83	9	ND	42	ND	.16	.1	15	100	20	2.22	.04	1.06	548	1	.07	115	.02	7	ND	ND	ND	ND	12	ND	ND	32
RH-L1+00N 1+25W	.1	2.84	7	ND	32	3	.17	.1	17	208	32	3.54	.03	1.87	215	2	.13	170	.04	4	ND	ND	ND	ND	9	ND	7	29
RH-L1+00N 1+50W	.6	.69	ND	ND	7	3	.04	.1	4	23	4	1.36	.03	.17	103	1	.02	13	.05	12	ND	ND	4	1	4	ND	7	8
RH-L1+00N 1+75W	.4	2.58	4	ND	15	ND	.13	.1	8	98	19	2.86	.04	.78	124	2	.08	53	.04	7	ND	ND	ND	ND	8	ND	ND	20
RH-L1+00N 2+00W	.2	3.27	16	ND	34	ND	.17	.1	16	101	37	3.27	.03	1.38	177	2	.11	96	.04	3	ND	ND	ND	ND	16	ND	ND	27
RH-L1+00N 2+25W	.4	1.77	5	ND	19	ND	.19	.1	9	89	17	2.16	.04	1.02	145	1	.06	63	.04	9	ND	ND	ND	ND	11	ND	ND	20
RH-L1+00N 2+50W	.1	2.97	19	ND	44	ND	.28	.1	19	103	63	3.08	.03	1.93	332	1	.12	83	.02	2	ND	ND	ND	ND	36	ND	ND	31
RH-L1+00N 2+75W	.1	3.08	27	ND	36	ND	.26	.1	19	67	103	2.92	.03	1.53	291	1	.11	75	.02	2	ND	ND	ND	ND	31	ND	ND	30
RH-L1+00N 3+00W	.1	3.90	40	ND	42	ND	.27	.1	22	83	129	3.40	.04	1.62	235	2	.12	98	.08	1	ND	ND	ND	ND	23	ND	ND	29
RH-L1+00S 0+00E	.1	1.97	57	ND	26	ND	.10	.1	38	349	34	4.22	.03	1.58	225	1	.15	486	.02	8	ND	ND	ND	ND	7	ND	ND	30
RH-L1+00S 0+25E	.5	1.68	ND	ND	22	ND	.08	.1	7	38	10	1.91	.03	.36	188	2	.04	32	.02	10	ND	ND	ND	ND	8	ND	ND	21
RH-L1+00S 0+50E	.5	.73	ND	ND	9	ND	.04	.1	5	18	10	1.43	.03	.25	105	1	.03	17	.01	9	ND	ND	ND	1	5	ND	6	18
RH-L1+00S 0+75E	.1	1.58	27	ND	31	ND	.07	.1	50	353	27	4.08	.02	2.24	520	2	.17	511	.03	7	ND	ND	ND	ND	7	ND	ND	45
RH-L1+00S 1+00E	.1	1.16	124	ND	21	ND	.04	.1	51	338	25	5.12	.04	1.16	696	1	.17	667	.04	10	ND	ND	ND	ND	5	ND	ND	44
RH-L1+00S 1+25E	.3	1.62	18	ND	25	ND	.11	.1	24	203	24	3.29	.03	1.47	220	2	.12	251	.01	8	ND	ND	ND	1	8	ND	ND	31
RH-L1+00S 1+50E	.3	1.51	21	ND	26	ND	.07	.1	22	228	15	3.29	.03	.85	230	2	.10	247	.02	11	ND	ND	ND	ND	8	ND	ND	27
RH-L1+00S 1+75E	.2	1.37	15	ND	19	ND	.08	.1	23	169	20	2.36	.02	1.45	295	1	.08	318	.01	9	ND	ND	ND	ND	7	ND	ND	27
RH-L1+00S 2+00E	.1	1.92	73	ND	20	ND	.10	.1	35	374	26	4.66	.03	2.02	292	1	.19	451	.03	6	ND	ND	ND	ND	6	ND	ND	43
RH-L1+00S 2+25E	.1	1.61	97	ND	19	ND	.07	.1	38	467	29	5.08	.03	2.16	340	1	.20	552	.03	7	ND	ND	ND	ND	6	ND	ND	32
RH-L1+00S 2+50E	.3	1.27	37	ND	26	ND	.05	.1	21	218	20	2.63	.03	1.27	175	1	.10	273	.01	8	ND	ND	ND	ND	6	ND	5	24
RH-L1+00S 2+75E	.5	1.36	20	ND	18	ND	.06	.1	14	154	11	2.83	.03	1.00	153	2	.08	136	.01	12	ND	ND	ND	ND	5	ND	4	21
RH-L1+00S 3+00E	.5	1.26	42	ND	13	ND	.05	.1	19	228	14	2.88	.04	1.16	183	1	.10	198	.02	11	ND	ND	ND	ND	4	ND	3	22
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
RH-L1+00S 3+25E	.1	.56	19	ND	31	ND	.11	.1	8	137	8	1.85	.01	.56	247	1	.05	84	.03	20	ND	ND	6	ND	7	ND	3	18
RH-L1+00S 3+50E	.1	1.34	6	ND	41	ND	.07	.1	8	120	11	2.00	.01	.74	161	1	.05	89	.03	16	ND	ND	3	ND	8	ND	ND	26
RH-L1+00S 3+75E	.1	2.46	27	ND	95	ND	.13	.1	18	126	33	3.30	.03	1.53	409	2	.12	164	.07	11	ND	ND	ND	ND	9	ND	ND	72
RH-L1+00S 4+00E	.1	4.38	20	ND	189	4	.14	.1	29	214	71	5.06	.01	2.91	698	3	.21	252	.05	ND	ND	ND	ND	ND	10	ND	ND	127
RH-L1+00S 4+25E	.1	1.03	21	ND	20	ND	.07	.1	15	210	8	2.70	.01	1.38	166	1	.09	204	.03	13	ND	ND	3	ND	5	ND	ND	25
RH-L1+00S 4+50E	.1	1.36	39	ND	39	ND	.12	.1	25	297	16	3.65	.01	1.82	221	1	.12	338	.05	9	ND	ND	ND	ND	8	ND	ND	28
RH-L1+00S 4+75E	.1	2.97	36	ND	71	3	.12	.1	33	264	41	4.26	.03	2.51	434	4	.16	383	.04	8	ND	ND	ND	ND	9	ND	ND	80
RH-L1+00S 5+00E	.1	2.69	59	ND	87	ND	.11	.1	28	288	53	4.28	.01	2.58	434	4	.17	363	.04	7	ND	ND	ND	ND	9	ND	ND	74
RH-L2+00S 0+00E	.1	3.02	ND	ND	77	ND	.23	.1	32	139	138	2.60	.01	3.62	577	1	.14	216	.02	1	ND	ND	ND	ND	42	ND	ND	26
RH-L2+00S 0+25E	.1	1.21	ND	ND	18	ND	.11	.1	11	51	30	1.81	.01	.59	143	1	.05	75	.01	13	ND	ND	ND	ND	24	ND	ND	25
RH-L2+00S 0+50E	.1	1.92	148	ND	30	ND	.12	.1	55	368	68	5.67	.01	2.81	830	1	.20	975	.03	7	ND	ND	ND	ND	12	ND	ND	31
RH-L2+00S 0+75E	.1	1.30	29	ND	21	ND	.08	.1	30	195	16	3.25	.02	2.16	345	1	.12	354	.03	13	ND	ND	4	ND	8	ND	ND	27
RH-L2+00S 1+00E	.1	1.88	28	ND	25	ND	.09	.1	27	298	11	3.79	.01	2.70	288	1	.15	276	.01	6	ND	ND	ND	ND	7	ND	ND	29
RH-L2+00S 1+25E	.1	2.30	93	ND	21	ND	.08	.1	88	426	60	5.81	.01	3.81	1190	1	.22	1186	.02	3	ND	ND	ND	ND	6	ND	ND	31
RH-L2+00S 1+50E	.1	1.92	44	ND	16	ND	.12	.1	65	345	39	4.64	.01	3.07	772	1	.18	731	.02	4	ND	ND	ND	ND	7	ND	ND	28
RH-L2+00S 1+75E	.1	1.87	51	ND	20	ND	.10	.1	50	354	43	4.12	.01	3.37	737	1	.17	935	.02	3	ND	ND	ND	ND	7	ND	ND	25
RH-L2+00S 2+00E	.1	2.27	91	ND	12	ND	.05	.1	62	473	47	4.79	.01	3.71	664	1	.20	944	.01	2	ND	ND	ND	ND	3	ND	ND	21
RH-L2+00S 2+25E	.1	1.90	57	ND	22	ND	.09	.1	48	425	17	4.64	.01	2.51	561	1	.17	525	.03	7	ND	ND	ND	ND	5	ND	ND	33
RH-L2+00S 2+50E	.1	1.41	27	ND	36	ND	.15	.1	15	72	15	2.13	.01	1.16	255	1	.07	159	.01	11	ND	ND	ND	ND	6	ND	ND	42
RH-L2+00S 2+75E	.1	1.39	49	ND	13	ND	.07	.1	27	315	15	3.96	.01	1.71	218	1	.13	374	.01	8	ND	ND	ND	ND	5	ND	ND	21
RH-L2+00S 3+00E	.1	2.19	79	ND	23	3	.09	.1	50	425	26	5.24	.01	2.24	424	1	.18	615	.03	6	ND	ND	ND	ND	5	ND	ND	42
RH-L2+00S 3+25E	.1	2.18	90	ND	17	3	.08	.1	61	479	34	5.40	.01	2.67	475	1	.19	939	.02	4	ND	ND	ND	ND	5	ND	ND	30
RH-L2+00S 3+50E	.1	1.70	109	ND	21	ND	.07	.1	48	352	22	4.29	.01	2.02	564	1	.14	715	.02	9	ND	ND	ND	ND	6	ND	ND	29
RH-L2+00S 3+75E	.1	1.86	92	ND	24	ND	.07	.1	50	387	29	4.42	.01	2.15	689	1	.15	788	.01	7	ND	ND	ND	ND	6	ND	ND	23
RH-L2+00S 4+00E	.1	1.75	92	ND	16	ND	.05	.1	84	492	40	5.06	.01	2.64	725	1	.18	1388	.02	4	ND	ND	ND	ND	3	ND	ND	22
RH-L2+00S 4+25E	.1	1.89	41	ND	24	ND	.10	.1	23	264	15	3.40	.01	1.96	229	1	.12	280	.01	5	ND	ND	ND	ND	6	ND	ND	24
RH-L2+00S 4+50E	.4	.75	ND	ND	20	ND	.06	.1	6	35	3	1.54	.02	.28	92	1	.03	31	.01	16	ND	ND	6	1	6	ND	ND	15
RH-L2+00S 4+75E	.1	1.43	21	ND	21	ND	.06	.1	18	213	10	2.69	.01	1.28	180	1	.09	204	.01	11	ND	ND	ND	ND	5	ND	ND	29
RH-L2+00S 5+00E	.1	.86	53	ND	14	ND	.04	.1	23	271	11	3.58	.01	.91	165	1	.10	259	.02	14	ND	ND	4	ND	4	ND	ND	27
RH-L3+00S 0+00E	.1	2.60	5	ND	27	ND	.22	.1	148	334	278	4.57	.01	7.82	2016	ND	.29	1256	.03	ND	ND	ND	ND	ND	7	ND	ND	29
RH-L3+00S 0+25E	.1	2.21	15	ND	58	ND	.20	.1	118	243	58	5.47	.01	4.95	1205	1	.24	1117	.04	3	ND	ND	ND	ND	10	ND	ND	39
RH-L3+00S 0+50E	.1	1.59	7	ND	34	ND	.11	.1	27	185	14	4.17	.01	1.79	471	1	.13	259	.03	11	ND	ND	ND	ND	9	ND	ND	34
RH-L3+00S 0+75E	.1	2.35	12	ND	29	ND	.13	.1	88	245	46	4.62	.01	3.91	843	1	.19	845	.02	4	ND	ND	ND	ND	7	ND	ND	36
RH-L3+00S 1+00E	.1	1.42	ND	ND	20	ND	.08	.1	21	101	8	2.31	.01	1.23	429	1	.07	181	.04	12	ND	ND	ND	ND	7	ND	ND	30
RH-L3+00S 1+25E	.1	1.82	ND	ND	26	ND	.11	.1	22	191	8	2.84	.01	2.62	257	1	.12	192	.02	8	ND	ND	ND	ND	8	ND	ND	33
RH-L3+00S 1+50E	.1	1.93	ND	ND	27	ND	.14	.1	22	160	20	2.68	.01	2.14	669	1	.11	211	.02	5	ND	ND	ND	ND	7	ND	ND	29
RH-L3+00S 1+75E	.1	1.10	ND	ND	20	ND	.06	.1	10	48	5	1.69	.01	.57	395	1	.04	44	.02	14	ND	ND	3	ND	6	ND	ND	17
RH-L3+00S 2+00E	.1	1.41	ND	ND	14	3	.09	.1	15	193	7	3.76	.01	1.50	265	1	.11	179	.02	13	ND	ND	ND	ND	4	ND	ND	19
RH-L3+00S 2+25E	.1	1.24	ND	ND	20	ND	.06	.1	5	37	1	1.74	.01	.38	213	1	.04	29	.03	11	ND	ND	ND	ND	6	ND	3	17
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: AZIMUTH GEOLOGICAL JOB#: 870925 PROJECT: REPORT: 870925PA DATE: 87/09/02

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
RH-L3+00S 2+50E	.1	2.18	ND	ND	17	ND	.14	.1	13	122	10	2.37	.01	1.64	173	2	.10	97	.01	9	ND	ND	ND	ND	7	ND	ND	22
RH-L3+00S 2+75E	.1	1.04	ND	ND	22	4	.08	.1	13	98	7	2.54	.02	1.00	232	2	.08	107	.01	13	ND	ND	3	ND	8	ND	ND	20
RH-L3+00S 3+00E	.1	1.56	11	ND	12	ND	.17	.1	23	223	16	3.70	.01	2.47	253	1	.16	267	.02	7	ND	ND	ND	ND	8	ND	ND	24
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

Appendix IV

Analytical Results - Rock Geochemistry

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870785 GB JOB NUMBER: 870785 AZIMUTH GEOLOGICAL

SAMPLE #	Au ppb
JF 87-001	nd
JF 87-002	nd
JF 87-003	nd
JF 87-004	nd
JF 87-005	nd
JF 87-006	nd
TC 87-001	nd
TC 87-002	90
TC 87-003	5
TC 87-004	nd
TC 87-005	nd
TC 87-006	nd
TC 87-007	nd
TC 87-008	65
TC 87-009	5
TC 87-010	5
TC 87-011	nd
TC 87-012	nd
TC 87-013	nd
TC 87-014	nd
TC 87-015	nd
TC 87-016	nd
TC 87-017	nd
TC 87-018	10
TC 87-019	nd
TC 87-020	nd
TC 87-021	nd
TC 87-022	nd
TC 87-023	nd
TC 87-024	nd
TC 87-025	nd
TC 87-026	nd
TC 87-027	nd
TC 87-028	nd
TC 87-029	nd
TC 87-030	nd
TC 87-031	5
TC 87-032	5
TC 87-033	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
TC 87-034	50
TC 87-035	410
TC 87-036	5
TC 87-037	5
TC 87-038	10
TC 87-039	nd
TC 87-040	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = i[illegible] sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH
ATTENTION:
PROJECT:

REPORT#: PA
JOB#: 870785
INVOICE#: NA

DATE RECEIVED: 87/07/21
DATE COMPLETED: 87/7/30
COPY SENT TO:

ANALYST W. Rivers

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
JF 87-001	>100	.06	462	ND	4	12	.36	40.7	3	31	2861	.68	.01	.27	94	2	.01	55	.01	2647	ND	ND	3188	1	51	ND	ND	648
JF 87-002	12.8	.02	10	ND	2	ND	.02	1.2	ND	53	102	.56	.01	.01	51	6	.01	8	.01	75	ND	ND	56	1	2	8	4	16
JF 87-003	6.1	1.01	ND	ND	3	ND	.56	.2	27	47	398	2.29	.01	.54	147	1	.01	77	.01	30	ND	ND	12	2	28	ND	ND	14
JF 87-004	.8	.10	ND	ND	2	ND	.02	.5	1	58	24	.46	.01	.08	49	1	.01	8	.01	1	ND	ND	ND	1	ND	3	3	5
JF 87-005	1.2	.19	ND	ND	8	6	.07	.1	2	31	21	.50	.01	.08	71	1	.01	11	.01	9	ND	ND	ND	ND	1	ND	ND	4
JF 87-006	.1	1.41	ND	ND	34	ND	.40	.3	22	54	147	2.97	.05	1.12	241	4	.01	58	.02	ND	ND	ND	ND	2	12	ND	ND	59
TC 87-001	.1	.56	ND	ND	67	ND	5.62	.1	6	6	21	3.66	.01	1.92	965	ND	.01	8	.03	ND	ND	ND	ND	ND	187	ND	ND	49
TC 87-002	.1	1.72	ND	ND	294	ND	.63	.1	15	42	28	2.52	.13	1.18	361	1	.01	24	.07	ND	ND	ND	ND	2	21	ND	ND	49
TC 87-003	.1	1.81	ND	ND	153	4	.32	.1	19	160	55	2.12	.02	1.79	297	3	.01	236	.04	3	ND	ND	ND	2	9	ND	ND	42
TC 87-004	.1	.28	25	ND	13	ND	.19	.1	58	435	9	3.90	.01	10.10	890	ND	.01	1116	.01	12	ND	ND	ND	ND	9	ND	ND	6
TC 87-005	.1	4.05	50	ND	15	3	.15	.1	29	428	45	3.69	.01	5.66	1194	4	.01	376	.07	14	ND	ND	ND	ND	7	ND	ND	51
TC 87-006	.1	1.06	ND	ND	219	5	.06	.1	7	36	55	1.62	.04	1.04	311	1	.01	43	.02	3	ND	ND	ND	1	3	ND	ND	48
TC 87-007	.1	3.59	279	ND	231	ND	.53	.1	26	306	72	5.75	.01	3.72	947	6	.01	230	.22	12	ND	ND	ND	ND	10	ND	ND	98
TC 87-008	.1	2.47	ND	ND	413	ND	.22	.1	12	34	28	3.59	.27	1.31	608	3	.01	24	.05	ND	ND	ND	ND	3	14	ND	ND	66
TC 87-009	.1	2.37	4	ND	259	ND	.19	.1	16	31	77	3.87	.22	1.33	456	3	.01	28	.06	8	ND	ND	ND	4	7	ND	ND	91
TC 87-010	.1	2.20	ND	ND	327	4	.19	.1	8	91	61	2.00	.01	1.64	321	3	.01	62	.03	3	ND	ND	ND	ND	14	ND	ND	44
TC 87-011	.1	1.08	ND	ND	138	3	.04	.1	6	16	23	1.66	.14	.60	278	1	.01	27	.03	ND	ND	ND	ND	2	3	ND	ND	50
TC 87-012	.1	1.00	ND	ND	136	ND	.03	.1	5	20	28	1.45	.11	.59	276	1	.01	28	.01	ND	ND	ND	ND	2	1	ND	3	35
TC 87-013	.1	.72	ND	ND	110	5	.07	.1	3	19	52	1.29	.04	.64	224	8	.01	11	.01	2	ND	ND	ND	2	3	ND	3	33
TC 87-014	.1	.34	109	ND	49	ND	.02	.1	8	32	48	2.04	.05	.08	394	2	.01	64	.01	ND	ND	ND	ND	ND	28	6	ND	62
TC 87-015	.1	.60	213	ND	77	ND	.08	.1	5	6	35	1.82	.04	.17	330	2	.01	36	.02	2	ND	ND	ND	ND	12	ND	ND	35
TC 87-016	.1	.30	979	ND	95	ND	1.95	.1	53	300	7	4.69	.01	6.44	1099	ND	.01	1210	.01	ND	ND	ND	ND	ND	93	ND	ND	64
TC 87-017	.1	.08	1459	ND	72	ND	3.50	.1	46	143	14	4.04	.01	10.23	679	ND	.01	724	.01	6	ND	ND	ND	ND	285	ND	ND	12
TC 87-018	.1	.11	119	ND	7	ND	1.93	.1	42	209	10	3.04	.01	8.35	873	ND	.01	827	.01	2	ND	ND	ND	ND	142	ND	ND	8
TC 87-019	.1	.35	8	ND	23	ND	.15	.1	75	733	11	3.45	.01	12.08	467	ND	.01	1504	.01	15	ND	ND	ND	ND	10	ND	ND	15
TC 87-020	.1	.20	35	ND	17	ND	.35	.1	54	437	14	3.65	.01	12.23	688	ND	.01	878	.01	19	ND	ND	ND	ND	29	ND	ND	14
TC 87-021	.1	.08	92	ND	4	ND	.43	.1	26	158	6	1.93	.01	7.79	349	ND	.01	393	.01	7	ND	ND	ND	ND	32	ND	ND	3
TC 87-022	.1	.05	616	ND	10	ND	.16	.1	33	157	8	2.88	.01	12.17	406	ND	.01	573	.01	16	ND	ND	ND	ND	7	ND	ND	7
TC 87-023	.1	.06	142	ND	3	ND	.06	.1	62	109	22	3.77	.01	10.26	664	ND	.01	760	.01	6	ND	ND	ND	ND	2	ND	ND	3
TC 87-024	.1	.07	393	ND	8	ND	1.04	.1	26	116	3	2.15	.01	8.66	329	ND	.01	600	.01	6	ND	ND	ND	ND	54	ND	ND	10
TC 87-025	>100	.02	102	ND	1	6	.04	12.5	1	31	881	.40	.01	.26	49	ND	.01	31	.01	884	ND	ND	994	1	3	ND	ND	175
TC 87-026	7.1	1.58	ND	ND	535	4	.10	.6	10	42	104	3.59	.12	.77	478	7	.01	45	.04	12	ND	ND	30	5	11	ND	ND	81
TC 87-027	2.1	.14	192	ND	48	ND	.03	.1	4	17	14	.77	.01	.04	497	1	.01	7	.01	ND	ND	ND	20	1	1	6	ND	9
TC 87-028	.3	.26	ND	ND	61	ND	.01	.2	1	37	26	.43	.03	.13	64	3	.01	10	.01	ND	ND	ND	16	ND	6	8	ND	12
TC 87-029	.1	2.81	ND	ND	778	9	.16	.1	13	52	254	2.97	.01	2.62	794	4	.01	48	.08	6	ND	ND	19	3	9	ND	ND	66
TC 87-030	.1	1.51	261	ND	52	ND	2.22	.1	21	87	17	4.01	.01	1.12	884	1	.01	58	.06	ND	ND	ND	14	ND	13	ND	ND	63
TC 87-031	.1	.05	33	ND	14	ND	.03	.1	1	22	5	.56	.01	.03	253	ND	.01	6	.01	ND	ND	ND	17	ND	1	ND	ND	4
TC 87-032	.1	2.63	ND	ND	317	5	.24	.1	11	38	31	3.80	.17	1.31	472	3	.01	16	.08	3	ND	ND	23	5	19	ND	ND	67
TC 87-033	.1	.08	403	ND	22	ND	.81	.1	45	308	28	3.82	.01	13.53	548	ND	.01	1074	.01	10	ND	ND	34	ND	55	ND	ND	13
DETECTION LIMIT	1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	3	2	1	5	3	1

CLIENT: AZIMUTH JOB#: 870785 PROJECT: REPORT: PA DATE: 87/7/30

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
TC 87-034	1.8	.05	280	ND	3	ND	.05	.1	6	156	9	.88	.01	.38	186	6	.01	124	.01	28	ND	ND	860	ND	8	ND	ND	21
TC 87-035	.5	.02	90	ND	3	ND	.21	.5	2	161	3	.57	.01	.16	150	ND	.01	63	.01	33	ND	ND	ND	ND	17	5	ND	22
TC 87-036	>100	.03	73	ND	4	42	.01	7.9	1	161	1443	.47	.01	.01	147	7	.01	12	.01	500	ND	ND	937	1	1	8	ND	89
TC 87-037	4.8	.06	14	ND	4	ND	.01	.3	ND	153	40	.43	.01	.05	40	ND	.01	5	.01	16	ND	ND	ND	ND	ND	11	ND	8
TC 87-038	1.6	.58	42	ND	7	ND	.05	.1	11	122	144	2.04	.01	.38	116	1	.01	14	.01	21	ND	ND	ND	1	9	ND	ND	8
TC 87-039	41.7	.01	127	ND	ND	ND	.12	1.4	1	66	394	.15	.01	.01	45	ND	.01	33	.01	14	ND	ND	59549	6	11	ND	6	73
TC 87-040	>100	.01	142	ND	1	842	.01	34.3	ND	165	417	.34	.01	.01	23	1	.01	7	.01	4855	ND	ND	2458	5	2	3	ND	700
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870841 GA JOB NUMBER: 870841 **AZIMUTH GEOLOGICAL**

SAMPLE #	Au ppb	Hg ppb	Sb ppm
GC 87-001	nd	--	--
GC 87-002	180	--	--
GC 87-003	40	60000	74084
GC 87-004	nd	--	--
GC 87-005	nd	--	--
GC 87-006	nd	--	--
GC 87-007	nd	--	--
GC 87-008	5	--	--
GC 87-009	100	--	--
GC 87-010	nd	--	--
GC 87-011	120	--	--
GC 87-012	10	--	--
JF 87-007	nd	--	--
JF 87-008	220	--	--
TC 87-041	nd	--	--
TC 87-042	50	--	--
TC 87-043	nd	--	--
TC 87-044	55	--	--
TC 87-045	nd	--	--
TC 87-046	nd	--	--
TC 87-047	nd	--	--
TC 87-048	nd	--	--
L 0+00S 0+03E	140	--	--
L 0+00S 0+04E	150	--	--
L 0+00S 0+05E	40	--	--
L 0+00S 0+06E	20	--	--
L 0+00S 0+07E	nd	--	--
L 0+00S 0+08E	10	--	--
L 0+00S 0+23E	680	--	--
L 0+50N 0+20E-0+25E	2290	--	--
L 0+50N 0+25E-0+30E	890	--	--
L 0+50N 0+30E-0+35E	610	--	--
L 0+50N 0+35E-0+40E	100	--	--
L 0+50N 0+40E-0+45E	445	--	--
L 0+50N 0+20W-0+25W	nd	--	--
L 0+50N 0+25W-0+30W	5	--	--
L 0+50N 0+30W-0+35W	5	--	--
L 1+00N 0+10E-0+13E	10	--	--
L 1+00N 0+15E-0+20E	70	--	--
DETECTION LIMIT	5	5	1

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb	Hg ppb	Sb ppm
L 1+00N 0+20E-0+25E	300	--	--
L 2+00S 0+09W	5	--	--
L 2+00S 0+12W-0+15W	5	--	--
L 2+00S 0+20W-0+22W	490	--	--
L 2+00S 0+40W-0+45W	nd	--	--
L 2+00S 0+45W-0+50W	nd	--	--
L 3+00S 0+65E-0+67E	nd	--	--
L 3+00S 0+80E-0+82E	nd	--	--
L 3+50S 0+43E-0+48E	nd	--	--
L 3+50S 0+72E-0+75E	40	--	--
L 0+00 0+30E-0+33E	1300	--	--
L 0+00S 0+02E	25	--	--
L 2+65S 0+50E-0+55E	20	--	--
L 3+00S 0+87E-0+90E	10	--	--
L 3+48S 0+48E	nd	--	--
L 3+50S 0+73E	nd	--	--
L 3+52S 0+45E	10	--	--

DETECTION LIMIT 5 5 1

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH
ATTENTION:
PROJECT:

REPORT#: PA
JOB#: 870841
INVOICE#: NA

DATE RECEIVED: 87/07/27
DATE COMPLETED: 87/08/04
COPY SENT TO:

ANALYST W. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
GC 87-001	.2	.61	85	ND	37	ND	2.52	.4	5	35	44	2.05	.07	.74	620	2	.06	15	.07	15	ND	ND	ND	ND	105	ND	ND	69
GC 87-002	13.5	.53	ND	ND	17	7	.24	119.8	9	122	8790	2.60	.01	.62	217	19	4.18	27	.01	48	ND	ND	ND	2	3	ND	ND	16360
GC 87-003	59.3	.03	166	ND	ND	ND	.21	1.8	3	34	374	.18	.01	.02	25	ND	.06	133	.01	16	ND	ND	74084	7	28	ND	9	203
GC 87-004	.9	.68	27	ND	83	ND	.27	.1	9	107	636	2.16	.05	.45	125	7	.04	8	.04	16	ND	ND	4188	3	18	ND	ND	49
GC 87-005	.1	1.02	529	ND	34	ND	2.74	.1	35	83	119	5.53	.06	.86	765	2	.13	103	.13	12	ND	ND	482	ND	60	ND	ND	141
GC 87-006	.1	2.65	51	ND	113	3	.43	.1	26	295	101	3.70	.31	2.63	414	10	.11	198	.07	15	ND	ND	3502	1	12	ND	ND	137
GC 87-007	.1	3.16	75	ND	26	ND	2.63	.1	31	188	78	5.45	.13	4.31	1082	3	.17	210	.09	4	ND	ND	331	ND	64	ND	ND	94
GC 87-008	7.1	.17	25	ND	28	12	.03	.7	1	167	19	1.72	.04	.11	59	39	.04	9	.01	167	ND	ND	228	ND	2	6	ND	49
GC 87-009	.1	1.64	123	ND	40	3	.21	.1	14	60	74	3.82	.21	1.57	555	4	.10	22	.02	20	ND	ND	73	ND	10	ND	ND	93
GC 87-010	.6	.41	55	ND	99	ND	.03	.1	4	86	37	1.71	.09	.10	96	5	.03	12	.01	24	ND	ND	71	ND	3	4	ND	34
GC 87-011	.1	.03	30	ND	6	ND	.04	.1	ND	153	7	.34	.01	.02	68	7	.01	10	.01	7	ND	ND	47	ND	2	13	ND	7
GC 87-012	1.3	.25	22	ND	58	ND	.01	.1	4	114	60	2.02	.06	.09	33	22	.03	39	.01	42	ND	ND	31	1	1	6	15	34
JF 87-007	.1	.59	ND	ND	5	ND	.01	.1	4	176	51	1.27	.01	.68	228	10	.03	13	.01	7	ND	ND	25	ND	ND	6	ND	27
JF 87-008	1.1	.57	9	ND	1	ND	1.24	.1	6	193	8	.73	.01	.71	142	8	.03	24	.01	33	ND	ND	31	ND	8	ND	ND	8
TC 87-041	.1	1.33	ND	ND	132	7	.29	.1	31	71	118	3.80	.29	1.22	128	2	.07	49	.09	6	ND	ND	28	4	6	ND	8	45
TC 87-042	.1	2.86	47	ND	20	ND	1.77	.1	28	119	713	10.75	.01	.08	257	18	.15	201	.07	3	ND	ND	24	ND	99	ND	ND	32
TC 87-043	.1	1.71	9	ND	173	ND	.05	.1	4	163	73	4.70	.49	1.03	229	16	.08	13	.02	10	ND	ND	16	1	7	ND	ND	53
TC 87-044	.1	1.92	42	ND	155	3	.35	.1	6	239	67	3.32	.35	.92	431	34	.05	28	.03	12	ND	ND	15	ND	19	3	ND	51
TC 87-045	1.0	.31	ND	ND	33	6	.26	.1	9	53	121	3.80	.08	.12	94	2	.06	8	.11	26	ND	ND	12	9	8	8	ND	57
TC 87-046	.1	4.03	ND	ND	96	7	2.07	.1	53	116	369	3.88	.50	2.46	307	5	.06	336	.13	5	ND	ND	15	1	70	ND	ND	39
TC 87-047	.1	3.03	ND	ND	57	4	1.65	.1	23	105	387	3.67	.01	.36	189	104	.03	70	.05	8	ND	ND	11	5	69	ND	ND	28
TC 87-048	.8	.98	ND	ND	97	8	.60	.1	16	74	251	5.68	.15	.63	194	50	.08	18	.04	6	ND	ND	7	13	26	ND	ND	19
L0+00S 0+03E	.1	5.58	921	ND	115	5	2.24	.1	34	165	126	4.31	1.09	2.35	585	7	.09	136	.13	5	ND	ND	9	3	263	ND	6	91
L0+00S 0+04E	.1	1.46	47	ND	48	ND	.64	.1	14	148	194	2.54	.10	.52	341	6	.03	59	.03	10	ND	ND	25	ND	43	ND	ND	42
L0+00S 0+05E	.1	.94	23	ND	57	ND	.46	.1	15	189	279	2.59	.07	.49	391	17	.04	67	.05	10	ND	ND	13	ND	39	3	3	45
L0+00S 0+06E	.1	1.49	21	ND	190	ND	.36	.1	8	157	131	2.44	.38	.85	441	5	.04	27	.03	10	ND	ND	11	ND	31	4	ND	37
L0+00S 0+07E	.1	1.45	7	ND	81	ND	.95	.1	19	148	459	2.89	.09	.41	457	12	.04	64	.06	6	ND	ND	6	1	65	ND	37	33
L0+00S 0+08E	.1	.86	4	ND	61	5	.44	.1	11	125	238	2.06	.04	.30	294	4	.02	40	.04	5	ND	ND	7	2	40	9	16	20
L0+00S 0+23E	.1	2.28	260	ND	44	ND	1.09	.1	5	139	38	1.70	.01	.47	172	6	.03	26	.02	6	ND	ND	8	ND	144	ND	4	14
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L1+00N 0+20-25E	.1	2.22	195	ND	273	16	.13	.1	7	153	29	3.60	1.50	1.16	678	6	.07	18	.04	3	ND	ND	8	ND	10	4	ND	83
L2+00S 0+09W	.1	1.42	19	ND	222	10	.21	.1	10	129	92	3.11	.68	1.10	315	5	.05	15	.05	2	ND	ND	ND	ND	10	8	3	44
L2+00S 0+12-15W	.7	.92	5	ND	54	9	.85	.1	14	92	63	3.91	.31	.70	345	4	.05	15	.06	9	ND	ND	ND	3	8	11	ND	31
L2+00S 0+20-22W	.5	1.14	4	ND	36	10	1.19	.1	19	134	82	4.12	.31	.69	375	4	.05	26	.05	3	ND	ND	ND	ND	16	6	ND	30
L2+00S 0+40-45W	.7	1.67	6	ND	53	13	1.38	.1	16	91	77	2.90	.25	.74	266	5	.03	20	.08	2	ND	ND	ND	1	32	ND	ND	24
L2+00S 0+45-50W	.3	1.15	ND	ND	81	8	.85	.1	12	72	62	3.76	.40	.86	292	3	.05	16	.08	3	ND	ND	ND	ND	15	ND	ND	34
L3+00S 0+65-67E	.2	1.55	20	ND	109	10	.71	.1	9	156	75	2.77	.48	1.00	304	8	.04	33	.03	6	ND	ND	ND	ND	19	4	ND	32
L3+00S 0+80-82E	1.7	.82	5	ND	56	16	.61	.1	12	68	111	5.33	.24	.75	235	3	.07	9	.08	6	ND	ND	ND	6	14	ND	ND	25
L3+50S 0+43-48E	1.2	2.38	5	ND	216	8	1.43	.1	20	128	71	4.02	.57	.96	413	5	.06	32	.10	5	ND	ND	ND	3	57	ND	ND	58
L3+50S 0+72-75E	1.9	.44	ND	ND	22	13	.30	.1	10	84	125	4.06	.13	.20	90	19	.04	5	.04	6	ND	ND	272	8	15	4	ND	6
0+00 0+30-33E	.1	2.23	1926	ND	20	ND	1.05	.1	3	125	18	1.74	.14	.28	146	6	.01	12	.05	3	ND	ND	51	ND	72	ND	ND	12
0+00 S0+02E	.1	.48	45	ND	16	3	.29	.1	7	165	88	1.92	.13	.13	157	8	.02	29	.02	10	ND	ND	26	ND	20	6	8	13
2+65S 0+50-55E	.6	1.10	7	ND	79	3	.63	.1	10	70	79	5.89	.24	.42	192	3	.08	11	.06	3	ND	ND	9	1	25	ND	ND	20
3+00S 0+87-90E	.2	1.74	ND	ND	122	10	.76	.1	11	71	254	4.84	.20	1.35	292	4	.07	23	.16	3	ND	ND	14	ND	20	ND	ND	24
3+48S 0+P48E	.7	1.32	ND	ND	74	8	.66	.1	13	94	69	3.83	.17	.97	367	4	.06	13	.06	3	ND	ND	9	ND	9	ND	ND	37
3+50S 0+73E	1.8	.38	ND	ND	10	12	.31	.1	9	83	156	4.30	.05	.13	74	30	.05	5	.04	6	ND	ND	9	7	16	ND	3	4
3+52S 0+45E	1.2	2.60	4	ND	289	9	1.26	.1	23	145	119	5.40	.30	1.07	450	5	.08	29	.11	6	ND	ND	4	3	58	ND	ND	61
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870918 GA JOB NUMBER: 870918 AZIMUTH GEOLOGICAL

SAMPLE #	Au ppb
JW 87 001	nd
JW 87 002	nd
JW 87 003	nd
JW 87 004	5
JW 87 005	nd
JW 87 007	nd
JW 87 008	nd
JW 87 009	nd
JW 87 010	nd
JW 87 011	nd
JW 87 012	nd
JW 87 013	nd
JW 87 014	nd
JW 87 015	5
JW 87 016	nd
JW 87 017	nd
JW 87 018	nd
JW 87 019	nd
TC 87 049	nd
TC 87 050	nd
TC 87 051	nd
TC 87 052	nd
TC 87 053	nd
TC 87 054	nd
TC 87 055	nd
TC 87 056	5
TC 87 057	nd
TC 87 058	nd
TC 87 059	5
TC 87 060	nd
TC 87 061	nd
TC 87 062	65
TC 87 063	10
TC 87 064	nd
TC 87 065	5
TC 87 066	nd
TC 87 067	nd
TC 87 068	nd
TC 87 069	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
TC 87 070	nd
TC 87 071	nd
TC 87 072	nd
TC 87 073	nd
TC 87 074	70
TC 87 074 A	5
TC 87 075	5
TC 87 076	nd
TC 87 077	nd
TC 87 078	500
TC 87 079	5
TC 87 080	nd
TC 87 081	nd
TC 87 082	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: AZIMUTH GEOLOG.
ATTENTION:
PROJECT: 87-06-29

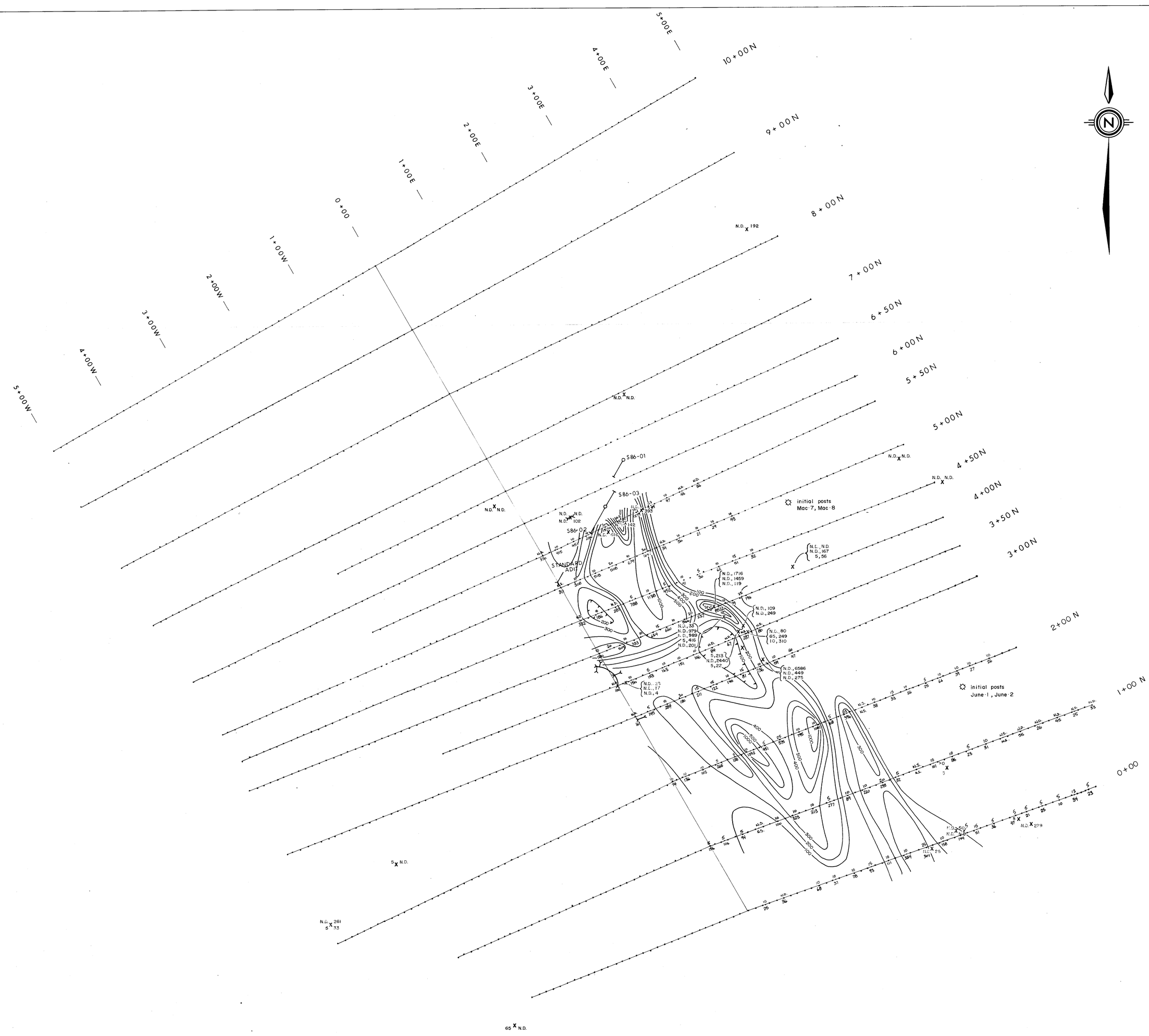
REPORT#: 870918PA
JOB#: 870918
INVOICE#: 870918NA

DATE RECEIVED: 87/08/04
DATE COMPLETED: 87/09/04
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
JW-87001	.1	.68	132	ND	52	7	.08	.1	52	243	37	2.33	.01	6.26	328	1	.16	1108	.01	21	ND	ND	ND	ND	4	ND	ND	16
JW-87002	.3	2.04	12	ND	18	ND	1.41	.1	21	36	581	2.75	.07	.11	295	4	.03	59	.07	30	ND	ND	4	ND	110	ND	359	30
JW-87003	.1	2.04	4	ND	184	3	.71	.1	12	27	32	3.70	.12	1.08	768	2	.08	12	.06	30	ND	ND	ND	ND	20	ND	ND	84
JW-87004	.3	1.58	61	ND	66	ND	.10	.1	4	54	46	3.62	.08	1.03	599	2	.08	4	.02	32	ND	ND	ND	ND	18	ND	ND	65
JW-87005	.6	.05	48	ND	9	ND	.13	.1	2	26	9	.50	.04	.01	200	1	.01	5	.01	28	ND	ND	ND	ND	1	ND	3	ND
JW-87007	.1	1.36	12	ND	22	ND	2.58	.1	8	48	50	2.84	.11	1.20	578	3	.08	16	.06	35	ND	ND	ND	ND	105	ND	ND	77
JW-87008	5.9	.04	22	ND	5	13	.04	.6	3	40	14	.98	.05	.02	70	1	.01	5	.01	74	ND	ND	7	ND	2	4	3	19
JW-87009	.1	3.00	14	ND	97	9	.25	20.2	31	171	217	4.91	.06	3.70	1050	3	.97	125	.04	38	ND	ND	ND	ND	2	ND	ND	3082
JW-87010	.3	.26	51	ND	12	ND	.01	.1	1	113	29	.80	.03	.07	139	ND	.01	12	.01	23	ND	ND	ND	ND	4	ND	ND	28
JW-87011	.5	.16	21	ND	15	ND	.01	.1	ND	32	14	.58	.06	.05	78	1	.01	6	.01	26	ND	ND	ND	ND	1	5	ND	8
JW-87012	.6	1.62	7	ND	5	ND	.26	.1	7	47	118	2.81	.05	1.68	308	3	.07	9	.04	28	ND	ND	ND	ND	3	ND	ND	42
JW-87013	.1	3.72	13	ND	9	6	.02	.1	8	21	95	6.58	.02	4.16	1187	3	.22	17	.02	31	ND	ND	ND	ND	1	ND	ND	145
JW-87014	.5	3.99	12	ND	21	ND	.04	.1	4	78	445	7.95	.03	3.79	2179	3	.28	7	.01	31	ND	ND	ND	ND	5	ND	ND	288
JW-87015	.6	2.11	8	ND	6	ND	1.43	.1	13	11	30	2.00	.07	.64	269	2	.01	5	.03	27	ND	ND	ND	ND	89	ND	ND	11
JW-87016	.2	.97	20	ND	10	ND	.05	.1	5	54	146	3.39	.07	.64	109	4	.05	3	.06	31	ND	ND	ND	ND	9	5	ND	4
JW-87017	.4	.12	15	ND	1	ND	.02	.2	2	29	22	.51	.05	.04	91	1	.01	4	.01	24	ND	ND	ND	ND	ND	6	ND	ND
JW-87018	.1	1.64	29	ND	5	3	.35	.1	16	85	74	2.52	.05	1.56	522	3	.06	30	.05	26	ND	ND	ND	ND	3	ND	ND	21
JW-87019	10.1	.06	28	ND	5	3	.24	1.7	1	34	123	.54	.07	.17	222	1	.03	15	.01	113	ND	ND	61	ND	20	9	ND	108
TC-87049	.1	.60	23	ND	1	ND	8.80	.1	4	131	8	1.08	.04	1.47	881	3	.05	33	.01	21	ND	ND	ND	ND	105	ND	3	6
TC-87050	.6	.04	39	ND	2	ND	.04	.1	ND	24	12	.52	.05	.01	44	1	.01	5	.01	21	ND	ND	4	ND	1	8	3	ND
TC-87051	.1	.11	9	ND	ND	ND	.17	.1	44	447	9	3.54	.01	11.60	749	ND	.25	639	.01	23	ND	ND	ND	ND	1	ND	ND	ND
TC-87052	.4	.03	13	ND	ND	ND	.01	.3	1	171	11	.29	.04	.07	28	ND	.01	9	.01	22	ND	ND	ND	ND	ND	5	4	ND
TC-87053	.1	.14	251	ND	5	3	.04	.1	47	196	14	3.29	.01	8.17	589	ND	.19	988	.01	19	ND	ND	ND	ND	ND	ND	3	ND
TC-87054	.1	.28	989	ND	86	5	.61	.1	72	327	31	4.64	.02	6.12	777	1	.19	2098	.01	20	ND	ND	4	ND	35	ND	ND	62
TC-87055	.1	2.41	416	ND	42	4	.04	.1	70	1380	43	4.33	.01	4.19	1043	2	.15	894	.02	23	ND	ND	ND	ND	5	ND	ND	35
TC-87056	.1	1.46	201	ND	156	4	.14	.1	26	136	57	3.77	.10	1.79	795	6	.08	359	.05	27	ND	ND	ND	ND	13	ND	ND	69
TC-87057	.1	.64	6586	ND	79	3	2.88	.1	52	96	201	4.52	.06	6.88	674	1	.19	820	.03	17	ND	ND	4	ND	149	ND	ND	10
TC-87058	.1	1.53	167	ND	282	7	.20	.1	7	97	93	2.32	.14	1.48	441	14	.06	38	.03	27	ND	ND	ND	ND	9	ND	4	60
TC-87059	.1	1.02	56	ND	264	ND	.08	.1	4	39	31	1.51	.12	.94	320	6	.04	23	.02	22	ND	ND	ND	ND	3	ND	4	36
TC-87060	.1	.19	80	ND	24	ND	.03	.1	4	192	21	.93	.02	.05	202	1	.01	50	.01	21	ND	ND	ND	ND	28	ND	4	7
TC-87061	.1	.60	249	ND	81	ND	.02	.1	17	60	60	3.40	.08	.17	659	4	.07	155	.01	26	ND	ND	4	ND	60	ND	ND	88
TC-87062	.1	.80	405	ND	103	ND	.03	.1	40	89	81	7.30	.08	.20	1188	9	.16	312	.01	27	ND	ND	9	ND	106	ND	ND	157
TC-87063	.1	.68	310	ND	94	ND	.02	.1	22	71	57	4.26	.10	.17	720	6	.08	219	.01	27	ND	ND	8	ND	127	3	ND	93
TC-87064	.1	.12	2440	3	54	ND	5.97	.1	80	204	30	4.40	.01	7.75	1309	1	.22	1764	.01	18	ND	ND	7	ND	332	ND	ND	43
TC-87065	.1	1.87	22	ND	39	ND	1.01	.1	12	74	40	2.54	.06	.86	435	1	.04	26	.05	115	ND	ND	ND	ND	36	ND	ND	34
TC-87066	.1	.68	1881	ND	100	ND	1.56	.1	88	287	38	5.79	.05	2.07	1599	2	.16	1814	.01	20	ND	ND	4	ND	117	ND	ND	70
TC-87067	.1	.12	1716	ND	65	ND	3.67	.1	60	110	27	5.12	.01	12.53	1411	ND	.30	749	.01	9	ND	ND	ND	ND	263	ND	ND	15
TC-87068	.1	1.75	33	ND	37	ND	.88	.1	12	63	38	2.49	.01	.89	416	1	.05	58	.04	19	ND	ND	ND	ND	31	ND	ND	32
TC-87069	.1	.51	261	ND	34	ND	3.97	.1	29	85	11	6.63	.01	5.84	1058	1	.24	337	.01	16	ND	ND	ND	ND	211	ND	ND	98
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
TC-87070	.1	.20	357	ND	32	ND	4.19	.1	22	62	7	2.07	.01	5.75	1110	ND	.15	432	.01	ND	ND	ND	ND	ND	310	ND	3	13
TC-87071	.1	.73	36	ND	132	5	.14	.1	5	99	45	1.33	.07	.83	254	7	.03	62	.01	5	ND	ND	5	ND	10	4	3	36
TC-87072	.1	2.08	112	ND	257	4	.25	.1	13	30	23	3.50	.27	1.04	625	2	.08	43	.08	6	ND	ND	4	ND	12	ND	ND	86
TC-87073	.1	2.20	449	ND	124	7	.65	.1	32	217	97	3.82	.12	2.33	676	3	.10	277	.03	5	ND	ND	ND	ND	46	ND	ND	48
J TC-87074	.1	.70	275	ND	82	ND	.29	.1	69	110	7	16.68	.10	2.12	3209	6	.38	726	.01	7	ND	ND	12	ND	156	ND	ND	222
TC-87074F	.1	4.05	221	ND	60	4	1.00	.1	34	31	256	6.71	.32	2.74	768	4	.15	38	.04	7	ND	ND	ND	ND	68	ND	ND	61
TC-87075	.1	1.97	61	ND	671	5	.41	.1	16	131	40	2.84	.17	2.50	457	2	.08	88	.07	9	ND	ND	ND	ND	19	ND	3	63
TC-87076	.1	.61	61	ND	87	ND	.27	.1	7	39	62	1.43	.08	.43	173	8	.02	24	.06	7	ND	ND	5	ND	11	6	ND	17
TC-87077	.1	2.50	132	ND	202	5	.55	.1	18	133	33	3.34	.16	1.97	696	5	.10	130	.05	7	ND	ND	ND	ND	33	ND	ND	80
J TC-87078	.2	.83	44	ND	40	ND	.34	.2	4	35	9	1.45	.07	.41	417	ND	.04	10	.05	22	ND	ND	5	ND	10	4	3	72
TC-87079	.2	.32	570	ND	14	4	5.19	.1	28	149	676	2.12	.05	5.25	1001	ND	.14	705	.02	4	ND	ND	6	ND	226	ND	6	28
J TC-87080	.1	.05	648	ND	4	ND	1.16	.1	65	156	14	3.79	.01	17.70	414	ND	.39	1630	.01	ND	ND	ND	ND	ND	127	ND	ND	5
J TC-87081	.1	.06	771	ND	3	ND	2.18	.1	60	212	5	3.12	.01	14.58	313	ND	.32	1489	.01	ND	ND	ND	ND	ND	258	ND	ND	5
J TC-87082	.1	.08	1725	ND	17	ND	4.54	.1	74	309	ND	3.50	.01	13.16	742	ND	.30	1490	.01	ND	ND	ND	8	ND	373	ND	ND	6
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



$\frac{10}{9\text{ppb}}$ Au (ppb) / As (ppm) in Soil

As soils contoured at 100, 200, 300, 400, 500, 1000 ppm.

5 X 33 Au (ppb), As (ppm) in Rock

NTS 92 J/10

0 50 100 200 metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

— STANDARD GRID —

ROCK and SOIL GEOCHEMISTRY
Gold (ppb), Arsenic (ppm)
As Contoured

Azimuth Geological

By :	T.H.C.
Scale :	1 : 2500
Date :	Nov. 1987

Figure: GC-1000

3+00 W | 2+00 W | 1+00 W | Baseline 0+00 (GRID) | 1+00 E | 2+00 E | 3+00 E | 4+00 E | 5+00 E

L. 2+00 N

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
N.D. 41	N.D. 38	N.D. 52	N.D. 40	N.D. 15	N.D. 19	10 33	N.D. 25	N.D. 10
N.D. 29	N.D. 21	10 25	10 16	15 43	15 35	10 30	20 20	5 33
10 24	N.D. 40	5 24	10 30	N.D. 47	N.D. 37			

L. 1+50 N

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
10 53	N.D. 31	N.D. 12	N.D. 20	N.D. 36	N.D. 35	N.D. 45	20 25	N.D. 23
10 152	10 15	10 23	N.D. 26	N.D. 30	N.D. 32	N.D. 30	N.D. 15	10 29
N.D. 17	N.D. 19	N.D. 15	N.D. 19	N.D. 21	N.D. 27	N.D. 23		

L. 1+00 N

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
N.D. 40	N.D. 27	10 19	N.D. 5	N.D. 16	N.D. 4	N.D. 10	10 7	N.D. 9
N.D. 11	N.D. 17	N.D. 10	N.D. N.D.	N.D. 5	N.D. 3	N.D. 4	N.D. 63	N.D. 33
N.D. 47	N.D. 82	N.D. 38	10 10	10 11	N.D. N.D.	N.D. 39	N.D. 23	N.D. 22
N.D. 29	N.D. 30	N.D. 4	N.D. 50	N.D. 7				

L. 0+50 N

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
N.D. 28	N.D. 12	N.D. N.D.	N.D. N.D.	N.D. N.D.	N.D. 8	N.S.	15 47	N.D. 14
10 28	N.D. N.D.	N.D. 11	N.D. 40	N.D. 4	N.D. 10	N.D. 22	N.D. 28	N.D. 6
N.D. 16	N.D. 16	N.D. 6	N.D. 5					

L. 0+00

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
10	N.D.	N.S.	N.S.	15	20	10	N.D. N.D.	N.D. 10
N.D. 10	N.D. 10	20	N.D. 15	10 N.D.	N.D. N.D.	N.D. 10	10 24	9 7
27 13	19 3	11						

L. 1+00 S

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
N.D. 57	N.D. N.D.	N.D. N.D.	N.D. 27	10 124	40 18	10 21	N.D. 15	20 73
N.D. 97	20 87	20 5	10 20	10 42	10 19	N.D. 6	10 27	30 20
N.D. 21	N.D. 39	N.D. 36	N.D. 59					

L. 2+00 S

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
N.D. N.D.	N.D. N.D.	10 148	50 29	10 28	20 93	20 44	40 51	10 91
45 57	10 27	10 49	20 79	5 90	10 109	20 92	20 92	N.D. 41
30 N.D.	N.D. 21	N.D. 53						

L. 3+00 S

3+00 W	2+00 W	1+00 W	Baseline	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E
5 5	30 15	N.D. 7	N.D. 12	N.D. N.D.	N.D. N.D.	N.D. N.D	N.D. N.D.	N.D. N.D.
N.D. N.D.	N.D. N.D.	10 N.D.	N.D. 11					

L 5617
SE corner

10 / 27 — Au (ppb) / As (ppm)

0 50 100 150 Metres
Scale 1 : 2500

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— RED HAWK GRID —

GEOCHEMISTRY
Gold (ppb), Arsenic (ppm)

Azimuth Geological

By:	T.H.C.	Figure:
Scale:	1 : 2500	GC-1005
Date:	Nov. 1987	

3+00 W | 2+00 W | 1+00 W | Baseline 0+00 (050°) | 1+00 E | 2+00 E | 3+00 E | 4+00 E | 5+00 E

Quadrature 2+00 N — L. 2+00 N

Quadrature 1+50 N

In Phase 2+00 N — L. 1+50 N

In Phase 1+50 N

Quadrature 1+00 N — L. 1+00 N

Quadrature 0+50 N

L. 0+50 N

Quadrature 0+00 — L. 0+00

In Phase 0+50 N

In Phase 1+00 N

In Phase 0+00

Quadrature 1+00 S — L. 1+00 S

In Phase 1+00 S

Quadrature 2+00 S — L. 2+00 S

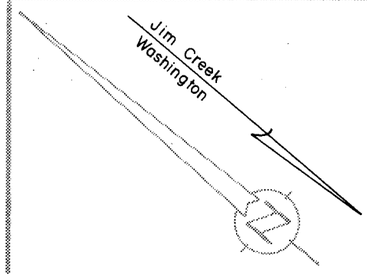
In Phase 2+00 S

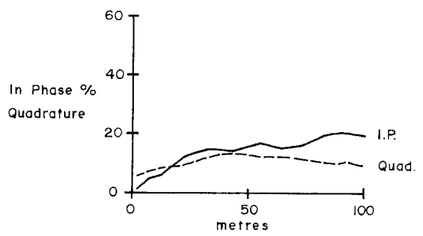
L. 5617
SE corner

L. 3+00 S

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595





0 50 100 150 Metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

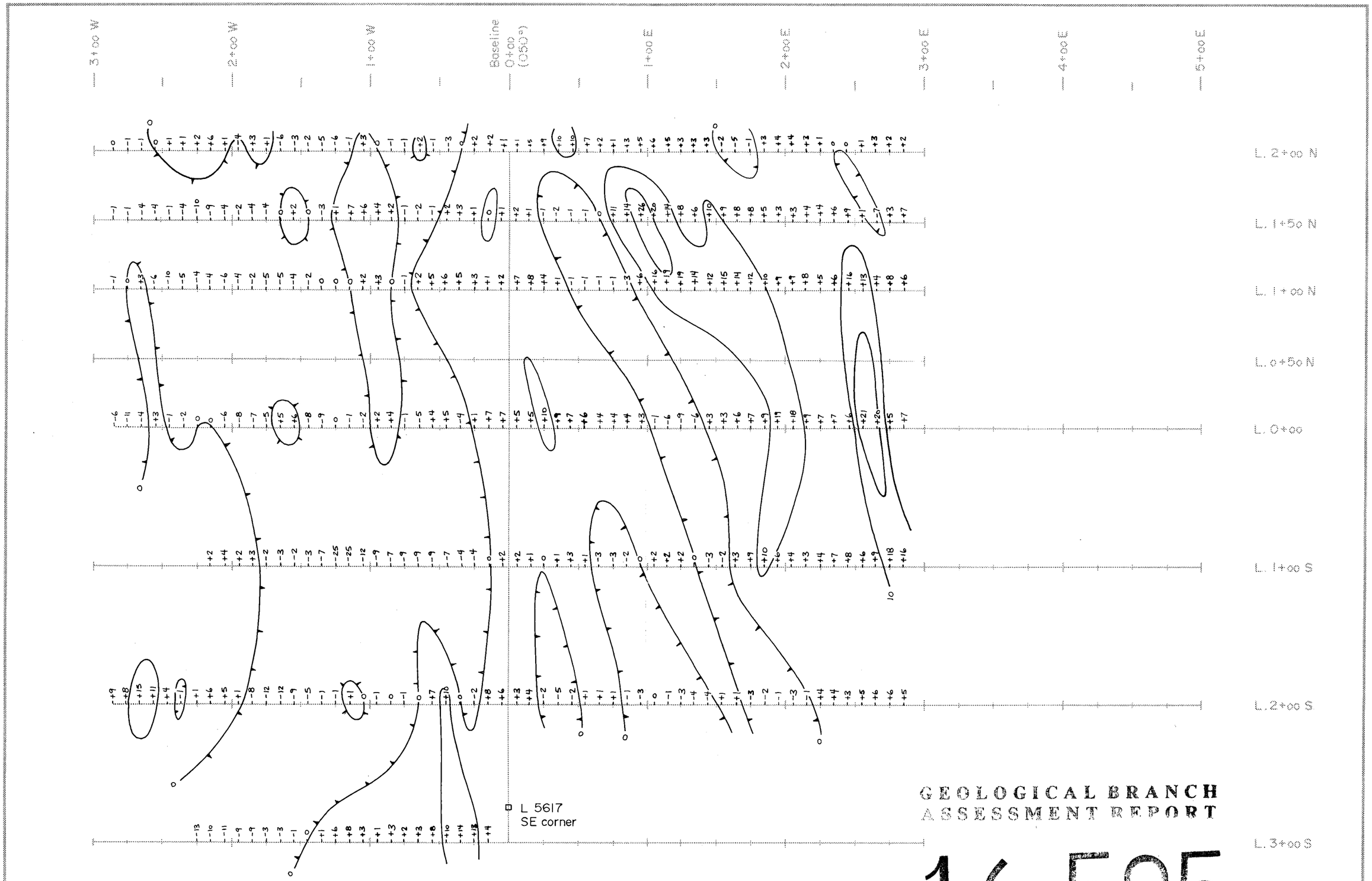
STANDARD CREEK PROPERTY

— RED HAWK GRID —

VLF-EM-16 SURVEY

In-Phase % & Quadrature Profiles

Azimuth Geological	By: K.K.	Figure: GP-1012
	Scale: 1:2500	
	Date: Nov. 1987	



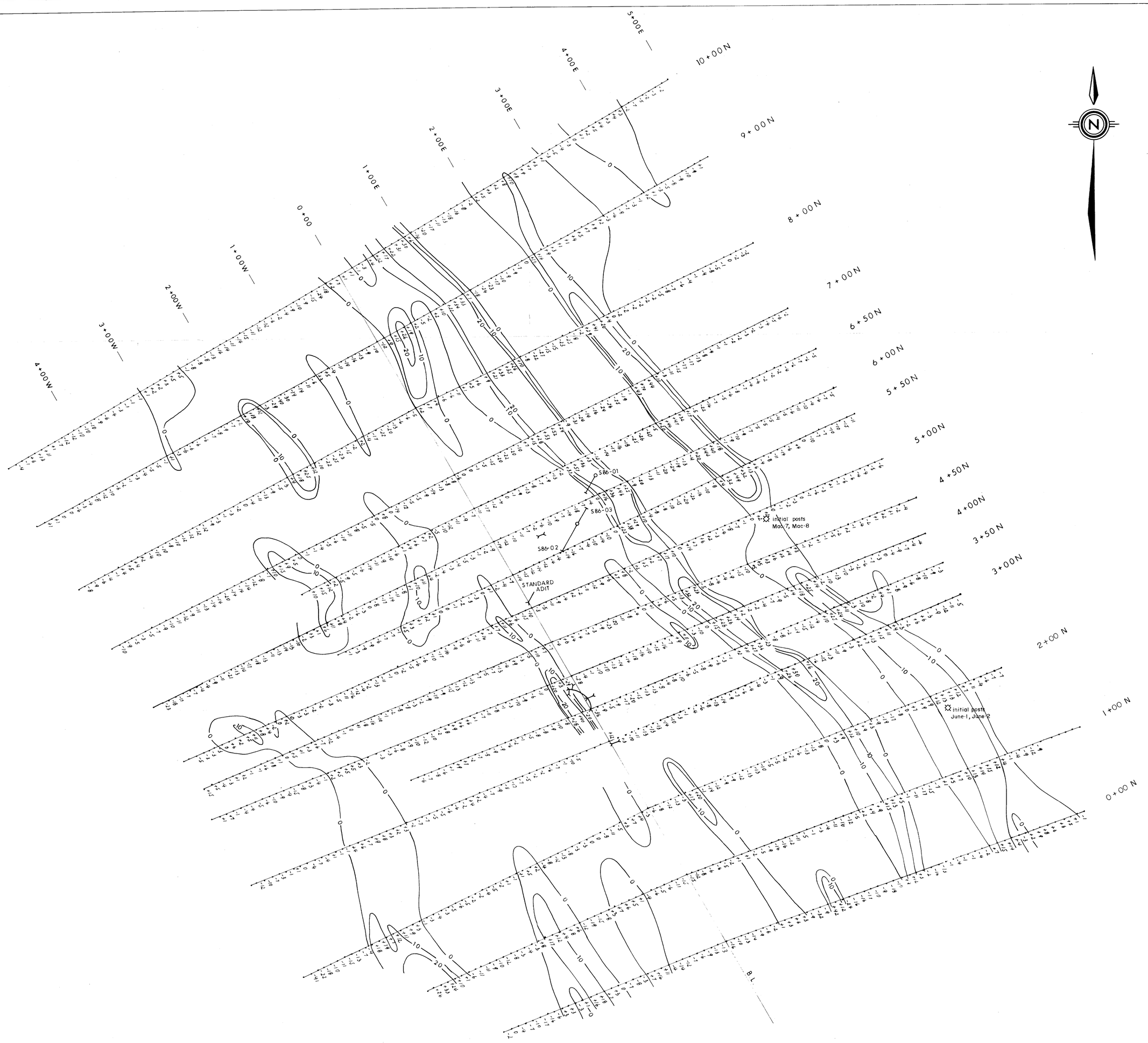
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595

0 50 100 150 Metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— RED HAWK GRID —
VLF-EM
Fraser Filter Contours

Azimuth Geological	By: K.K.	Figure: GP-1013
	Scale: 1:2500	
	Date: Nov. 1987	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595

NTS 92J/10

0 50 100 200 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

— STANDARD GRID —

VLF-EM SURVEY

FRASER FILTER CONTOURS

Azimuth Geological

By : K.K.
Scale: 1 : 2500
Date : Nov. 1987

Figure: GP-1000

5+00E
4+00E
3+00E
2+00E
1+00E
0+00
1+00W
2+00W
3+00W
4+00W
5+00W

10+00N
9+00N
8+00N
7+00N
6+50N
6+00N
5+50N
5+00N
4+50N
4+00N
3+50N
3+00N
2+00N
1+00N
0+00N

S86-01
S86-03
S86-02
STANDARD APIT

initial posts
Mac-7, Mac-8

initial posts
June-1, June-2

BL

N

IN-PHASE % or QUADRATURE
80
60
40
20
0
I.P.
Quad.
0
100
200 metres

Jim Creek
Washington

NTS 92J/10
0 50 100 200 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

— STANDARD GRID —

VLF-EM-16 SURVEY

In-Phase % & Quadrature Profiles

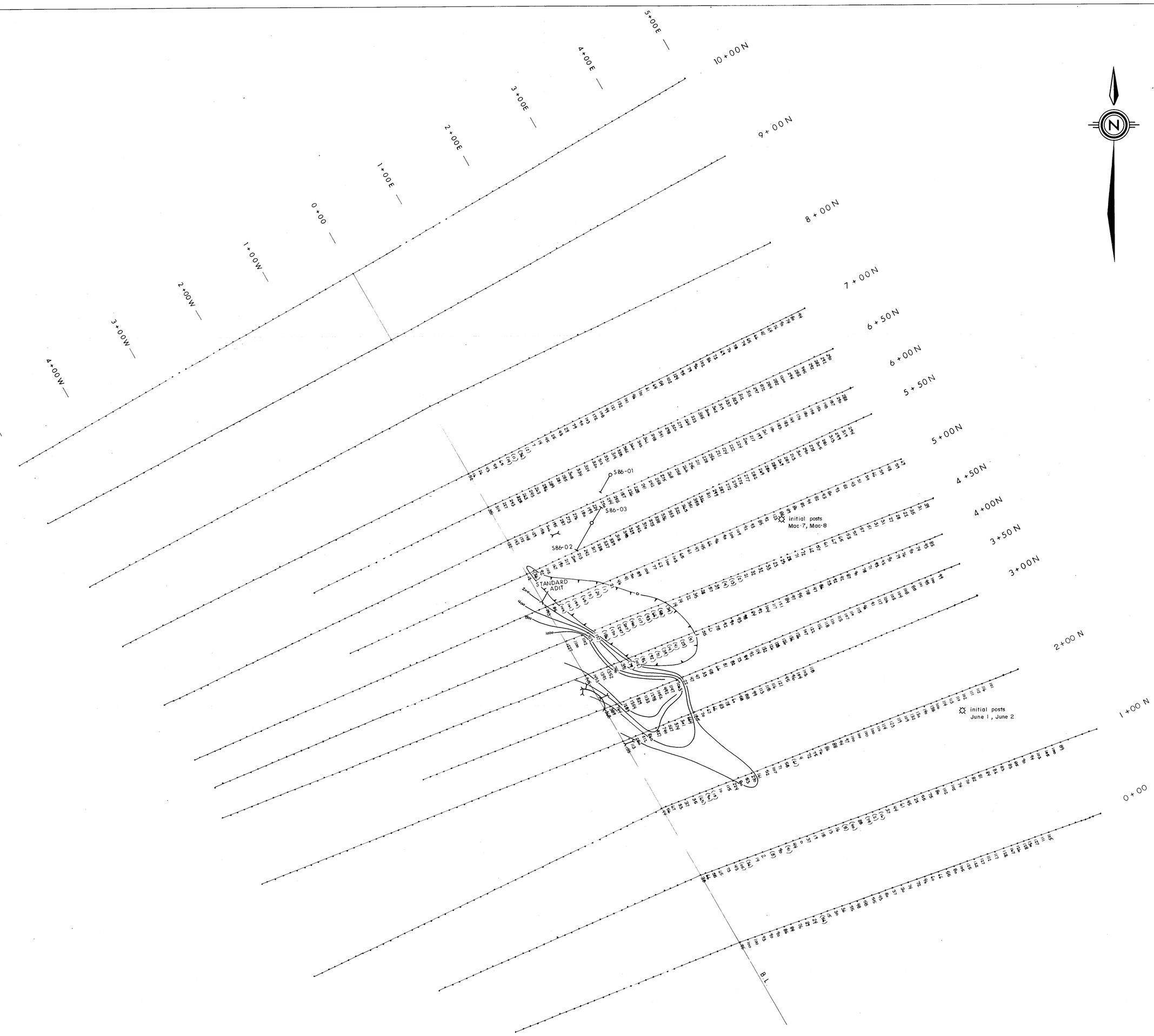
Azimuth Geological

By : K.K.
Scale : 1:2500
Date : Nov. 1987

Figure : GP-1001

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,595



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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Base Level : 57,000 Gammas

NTS 92 J/10

0 50 100 200 metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

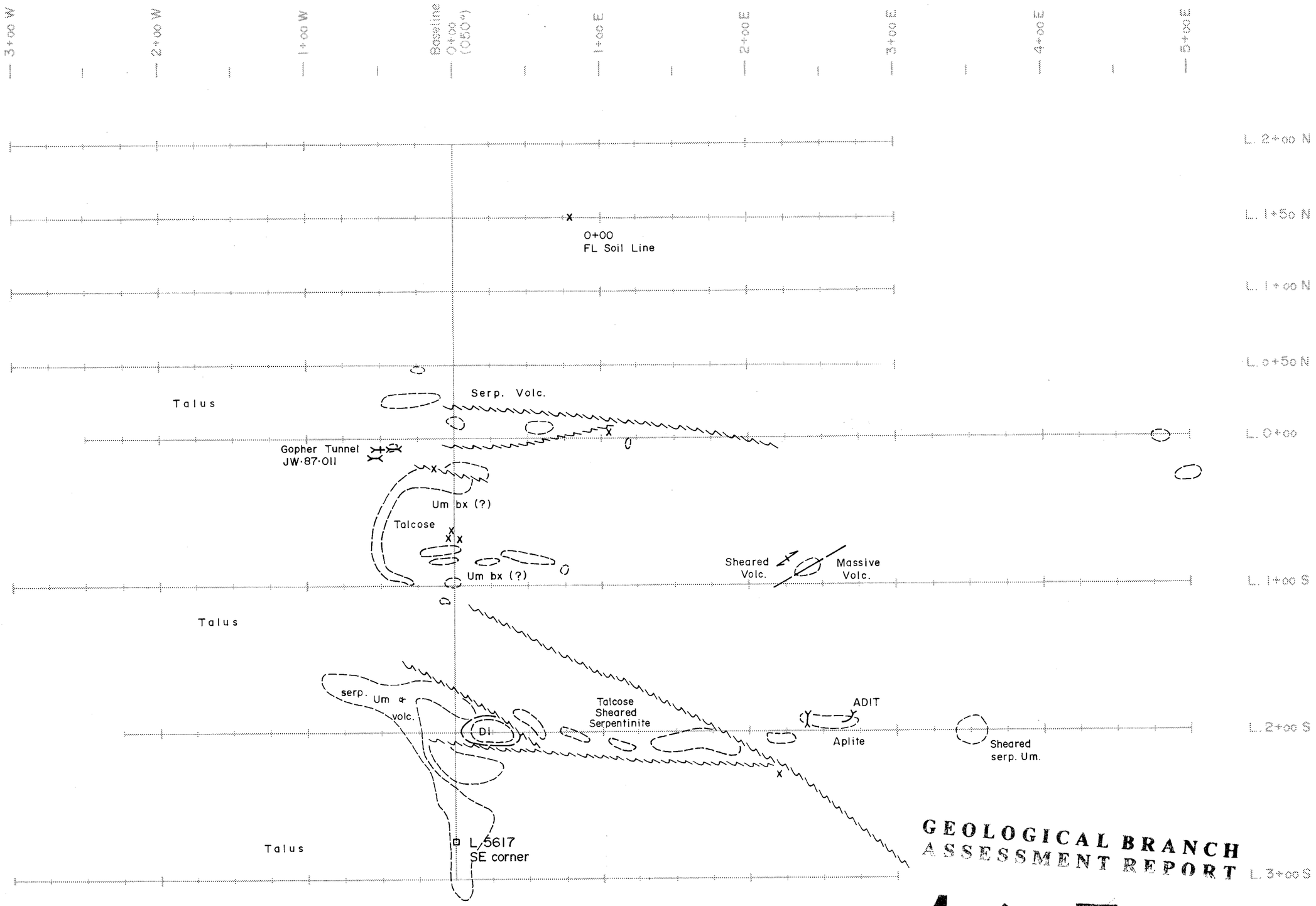
— STANDARD GRID —

MAGNETOMETER SURVEY
Corrected Data

Azimuth Geological

By :	T.H.C.
Scale :	1 : 2500
Date :	Nov. 1987

Figure: GP-1002



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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x Outcrop

Fault zone

Tunnel

Adit (open, caved)

Foliation

Um – Ultramafics
Volc – Volcanics
Serp – Serpentinized
bx – Brecciated
Di – Diorite

JW-87-011 Rock Sample Location

0 50 100 150 Metres

ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— RED HAWK GRID —

DETAILED GEOLOGY

Azimuth Geological

By: T.H.C.
Scale: 1 : 2500
Date: Nov. 1987

Figure: G-1004

5+00E
4+00E
3+00E
2+00E
1+00E
0+00
1+00W
2+00W
3+00W
4+00W
5+00W
10+00N
9+00N
8+00N
7+00N
6+50N
6+00N
5+50N
5+00N
4+00N
3+50N
3+00N
2+00N
1+00N
0+00N
BL
TRAIL
TRAIL
N
arg + clay
arg 55°
no outcrop
no outcrop
alt um
029 um
025 001 S86-02
S86-01
arg list
talcose float
S86-03
024 list arg
talc alt 023
list 022
STANDARD ADIT (see inset)
arg 85°
um
volc
soup um (serp)
list 021 020 019
list
dior talus
hornfels
hornfelsic sediments
hornfels
032
diorite
030, 031
hornfelsic sediments
hornfels
talus
ms
008 hornfelsic sediments
dior talus
um boulders
alt um boulders
um outcrop ?
074,074 A
no outcrop
005, 006 sh arg
004 talc alt, um.
075 arg 007
sh arg
013 058 059
067 017 018 talc alt
FP 068 016
arg 061 014
054 055 056
Q(FP) 060, 062, 063
015, 064, 065
057 hematized sh arg
073 072
sh arg
initial posts Mac 7, Mac 8
initial posts June 1 & 2 claims
35° 027
intense quartz veining
volc
diorite
diorite
026
arg + qtze
sh arg
75° volc
highly contorted float arg. qtze
38° 010
sh qtze 58°
bx 011
55°
qtze arg
arg qtze
talc carbonate at end Fergussen seds
py + aspy
sheared and talcose altered serp some greenstone midway in the section intersect considerable widths of quartz to several ft strike NW. Py + aspy + mariposite
vertical shear fault
70
sediments
Au
network of quartz veinlets - talcose shear
0·17oz/t Au widest vein in sediments (25')
sediments
75
65
fault/fissure sheared seds
Fergussen argillites + cherty seds.
GEOLOGY OF STANDARD ADIT
From Cairnes, 1937.
INSET
GEOLOGICAL BRANCH
ASSESSMENT REPORT
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Outcrop
Contact (observed , inferred)
Fault
Trench
Adit
Diamond Drill Hole (1986)
Jointing
Foliation
Bedding
030 Rock Sample Location (TC·87 series)
alt — altered
arg — argillite
bx — breccia
dior — diorite
list — listwanite
ms — metasediments
Q(FP) — Quartz (Feldspar Porphyry)
qtze — quartzite
serp — serpentinized
sh — sheared
talc — talcose
um — ultramafic
volc — volcanics
NTS 92 J/10
0 50 100 200 metres
ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.
STANDARD CREEK PROPERTY
— STANDARD GRID —
DETAILED GEOLOGY
Azimuth Geological
By : T.H.C.
Scale : 1 : 2500
Date : Nov. 1987
Figure : G·1000

Claim Boundary

ROAD

CADWALLADER CREEK

PIEBITER CREEK

AGGIE CK.

ROYAL CREEK

COPPER CREEK

STANDARD CREEK

Lake

Abandoned Camp

Butte IXL adit

Shaft

RED HAWK (RH) GRID

Baseline 0+00

L 0+00

L 1+00N

L 2+00N

L 1+00S

L 2+00S

L 3+00S

1+00E

2+00E

3+00E

4+00E

5+00E

1+00W

2+00W

3+00W

L1+00W

L1+50W

L2+00W

L2+50W

L3+00W

L3+50W

L4+00W

L4+50W

L5+00W

L5+50W

L6+00W

L7+00W

L8+00W

L9+00W

L10+00W

L10+50W

L10+50E

L11+00E

TL 15+00N

TL 5+00N

0 50 100 200 300 400 500 metres

5620000 N

5619500 N

5619000 N

5618500 N

5618000 N

5617500 N

5617000 N

5616500 N

523500E

524000E

524500E

525000E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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ARMENO RESOURCES INC.
TRANS ATLANTIC RESOURCES INC.

STANDARD CREEK PROPERTY

GRID LOCATION

Red Hawk Grid

Azimuth Geological	By: L.R.H.	Figure: L. 1002
	Scale: 1:5000	
	Date: Nov. 1987	

Claim Boundary

PIEBITER GRID

ROYAL GRID

STANDARD GRID

PIEBITER CREEK

ROAD

STANDARD CREEK

CAMP

Chopper Vein

Standard Adit

0 50 100 200 300 400 500 metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC.		
STANDARD CREEK PROPERTY		
GRID LOCATIONS Standard , Chopper , Piebiter + Royal Grids		
Azimuth Geological	By: L.R.H. Scale: 1: 5000 Date: Nov. 1987	Figure: 1003