

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL,  
DIAMOND DRILLING AND  
UNDERGROUND EXPLORATION REPORT

ON THE

STANDARD CREEK PROPERTY

OF

ARMENO RESOURCES INC.

AND

TRANS ATLANTIC RESOURCES INC.

PAT AND BUTTE CLAIM GROUPS

LILLOOET MINING DIVISION

NTS 92 J 10

LATITUDE 50°42'N, LONGITUDE 122°37'W

BY

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

and

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

Azimuth Geological Incorporated  
February 1988  
Vancouver, B.C.

OF 8

PART 5

16725

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL  
DIAMOND DRILLING AND  
UNDERGROUND EXPLORATION REPORT

on the

STANDARD CREEK PROPERTY

Lillooet Mining Division, B.C.

FILMED

VOLUME 3A

- Illustrations -

SUB-RECORDER  
RECEIVED  
MAR 19 1988  
M.R. # ..... \$.....  
VANCOUVER, B.C.

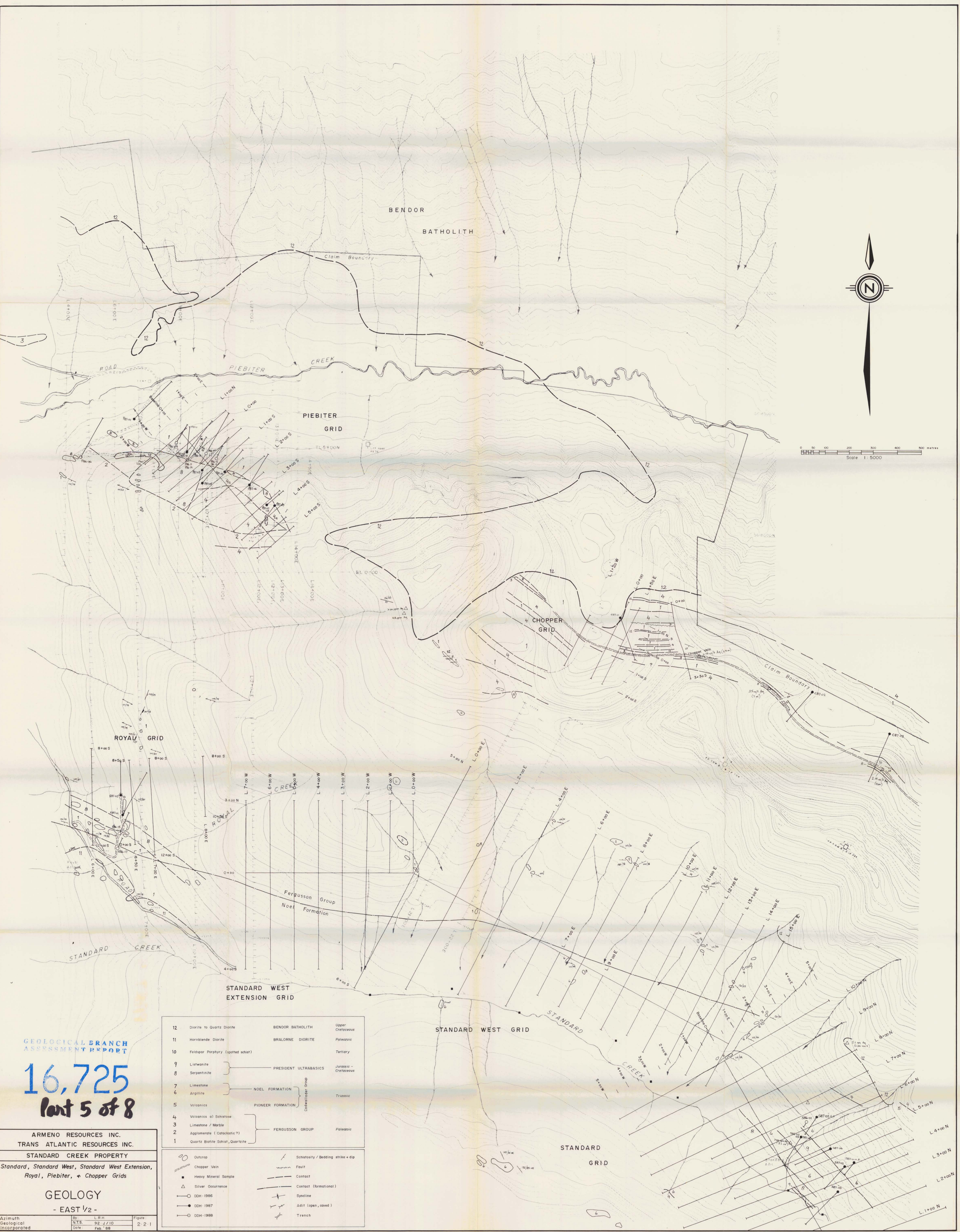
GEOLOGICAL BRANCH  
ASST. REGISTRAR

16,725 PART 5 OF 8

## LIST OF ILLUSTRATIONS

(Volume 3A)

- 2.2.1 Geological Compilation E½
- 2.2.1 Geological Compilation W½
- 2.2.2 Geophysical and Geochemical Compilation E½
- 2.2.2 Geophysical and Geochemical Compilation W½
  
- 7.1.1 Standard Zone - Standard Adit, Geology
- 7.1.2 Standard Zone - Standard Adit, Sample Location
- 7.1.3 Standard Zone - Standard Adit, Ag/Au
  
- 7.2.1 Standard West - Geology
- 7.2.2 Standard West - VLF/EM (Profiles)
- 7.2.3 Standard West - VLF (Fraser Filter)
- 7.2.4 Standard West - Magnetometer
  
- 7.2.5 Standard West - ppb Au in Soils
- 7.2.6 Standard West - ppm As in Soils
  
- 7.3.1 Standard West Extension - VLF/EM (Profiles)
- 7.3.2 Standard West Extension - VLF/EM (Fraser Filter)
- 7.3.3 Standard West Extension - Magnetometer



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,725**  
Part 5 of 8

ARMENO RESOURCES INC.  
TRANS ATLANTIC RESOURCES INC.  
STANDARD CREEK PROPERTY  
Standard, Standard West, Standard West Extension,  
Royal, Piebiter, Chopper Grids

**GEOLOGY**  
- EAST 1/2 -

Azimuth  
Geological  
Incorporated

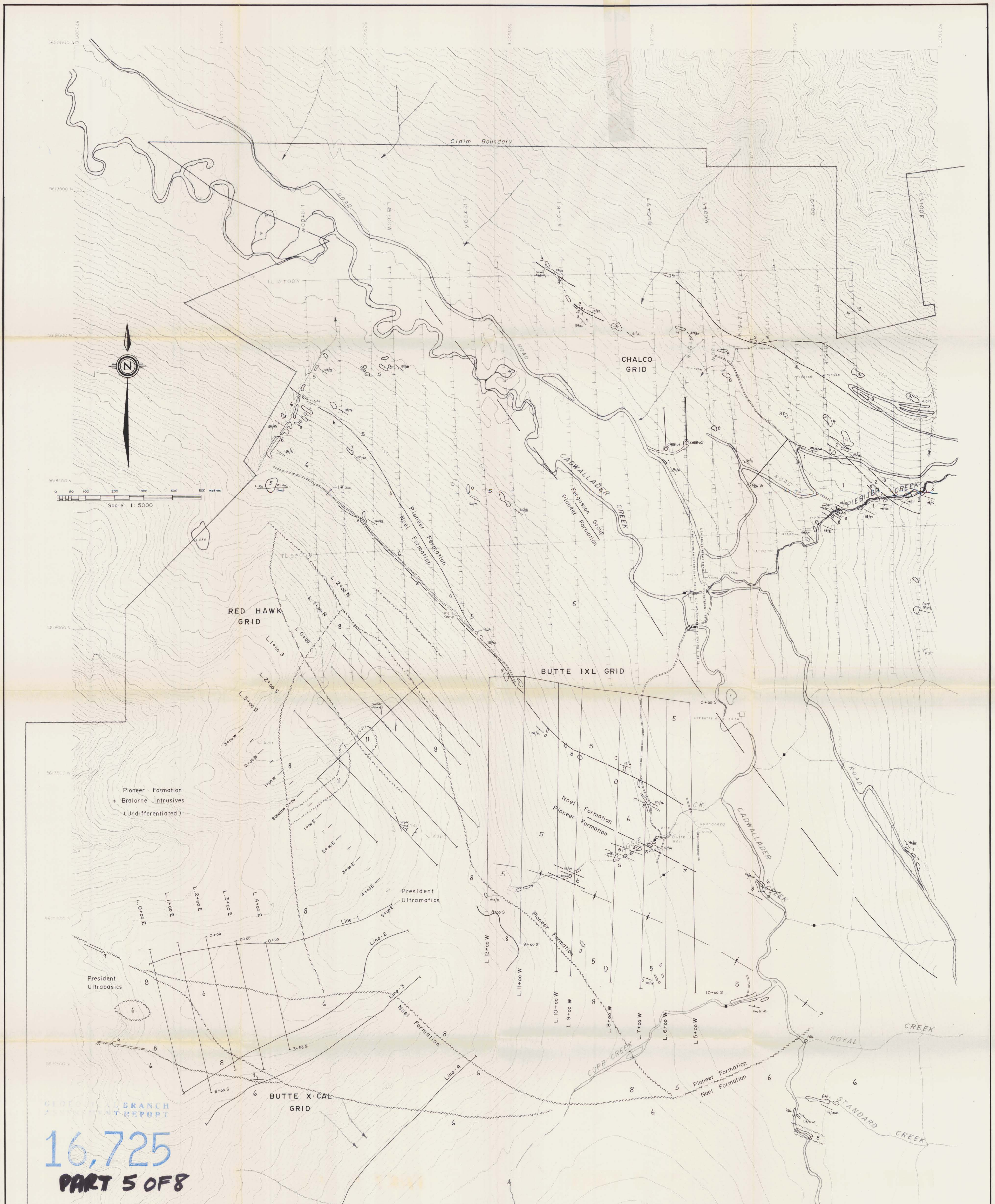
By: L.R.H.  
N.T.S.  
Date: Feb. 98

Figure  
2-2-1

12	Diorite to Quartz Diorite	BENDOR BATHOLITH	Upper Cretaceous
11	Hornblende Diorite	BRALORNE DIORITE	Paleozoic
10	Feldspar Porphyry (spotted schist)		Tertiary
9	Lt. schist	PRESIDENT ULTRABASICS	Jurassic - Cretaceous
8	Serpentinized		
7	Limestone	NOEL FORMATION	Triassic
6	Argillite		
5	Volcanics	PIONEER FORMATION	Cretaceous Group
4	Volcanics & Schistose		
3	Limestone / Marble	FERGUSON GROUP	Paleozoic
2	Agglomerate (Cataclastic?)		
1	Quartz Biotite Schist, Quartzite		

○	Outcrop	— / —	Schistosity / Bedding strike + dip
—	Chopper Vein	—	Fault
■	Heavy Mineral Sample	—	Contact
△	Silver Occurrence	—	Contact (formational)
○	DDH-1986	—	Syncline
●	DDH-1987	—	Adit (open, caved)
○	DDH-1988	—	Trench



CITY OF CALGARY  
 BRANCH  
 REPORT  
**16,725**  
**PART 5 OF 8**

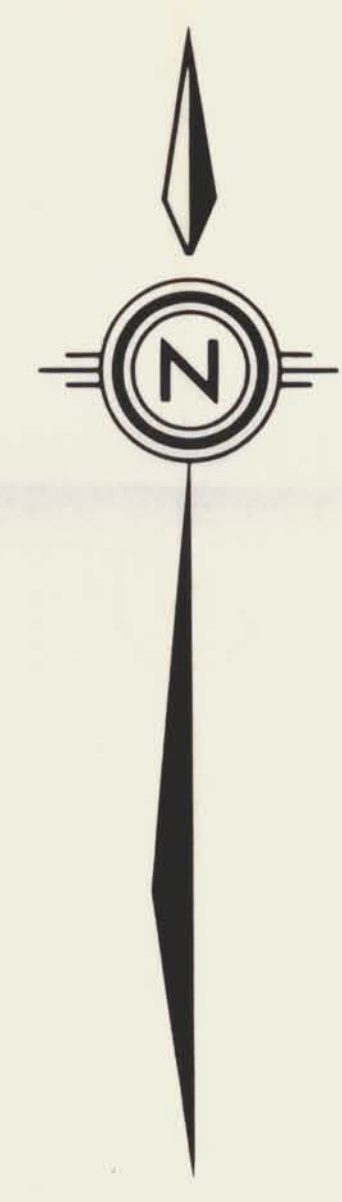
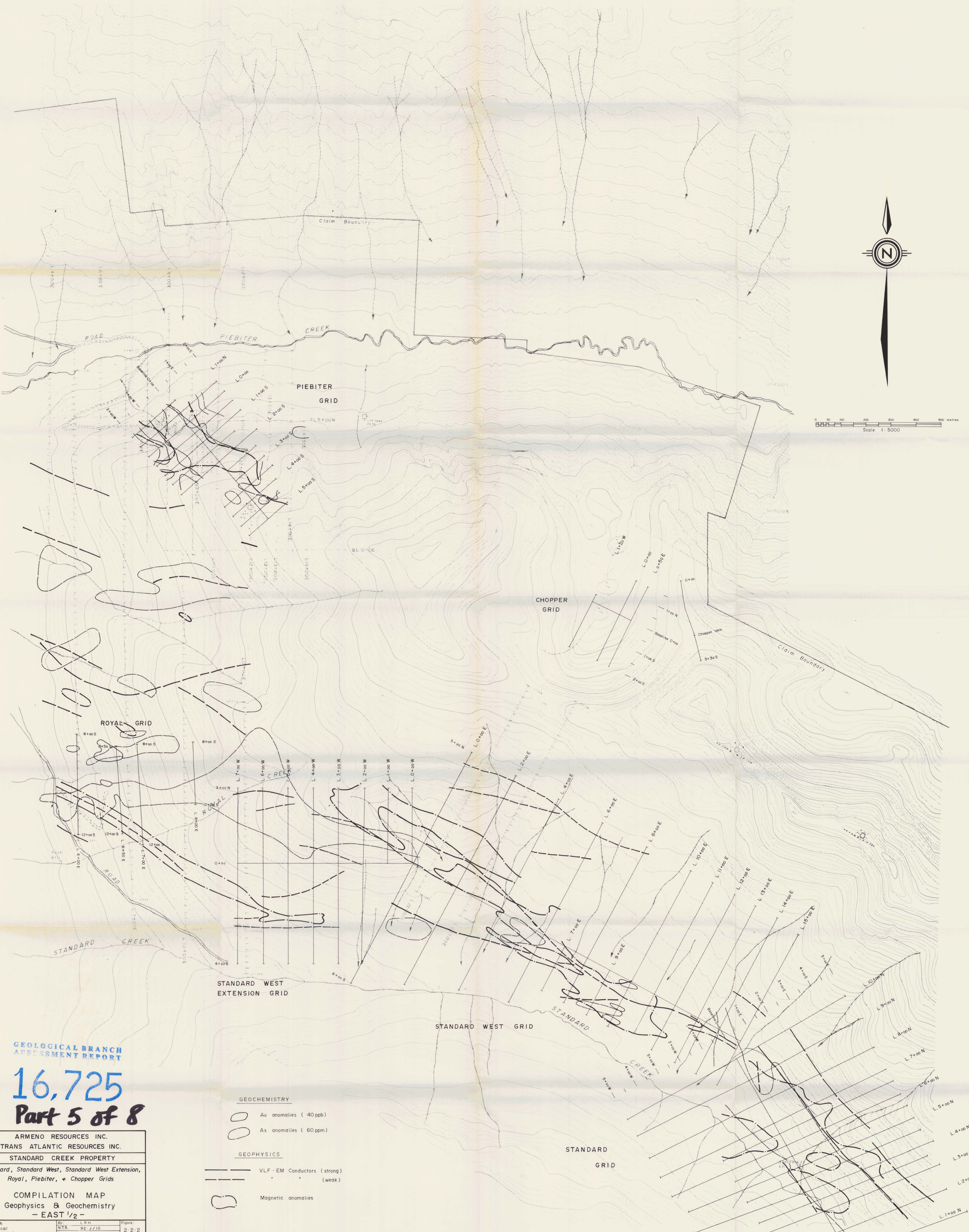
ARMENO RESOURCES INC.  
 TRANS ATLANTIC RESOURCES INC.  
 STANDARD CREEK PROPERTY  
 - Red Hawk, Butte X-Cal + Butte IXL Grids -  
 - Chalco Grid -  
**GEOLOGY**  
 - WEST 1/2 -

By: L.R.H.  
 N.T.S. 92 J/10  
 Date: Feb. '88

Figure: 2-2-1

12	Diorite to Quartz Diorite	BENDOR BATHOLITH	Upper Cretaceous
11	Hornblende Diorite	BRALORNE DIORITE	Paleozoic
10	Feldspar Porphyry (spotted schist)		Tertiary
9	Listwanite	PRESIDENT ULTRABASICS	Jurassic - Cretaceous
8	Serpentinite		
7	Limestone	NOEL FORMATION	Triassic
6	Argill.		
5	Volcanics	PIONEER FORMATION	Cadmwallader Group
4	Volcanics w/ Schistose		
3	Limestone / Marble	FERGUSSON GROUP	Paleozoic
2	Agglomerate (Cataclastic?)		
1	Quartz Biotite Schist, Quartzite		

	Outcrop		Schistosity / Bedding strike + dip
	Chopper Vein		Fault
	Heavy Mineral Sample		Contact
	Silver Occurrence		Contact (formational)
	DCH-1986		Syncline
	DCH-1987		Adit (open, caved)
	DCH-1988		Trench



0 100 200 300 400 500 METRES  
Scale 1:5000

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**  
**16,725**  
**Part 5 of 8**

ARMENO RESOURCES INC.  
TRANS ATLANTIC RESOURCES INC.  
STANDARD CREEK PROPERTY  
Standard, Standard West, Standard West Extension,  
Royal, Piebiter, Chopper Grids

COMPILATION MAP  
Geophysics & Geochemistry  
- EAST 1/2 -

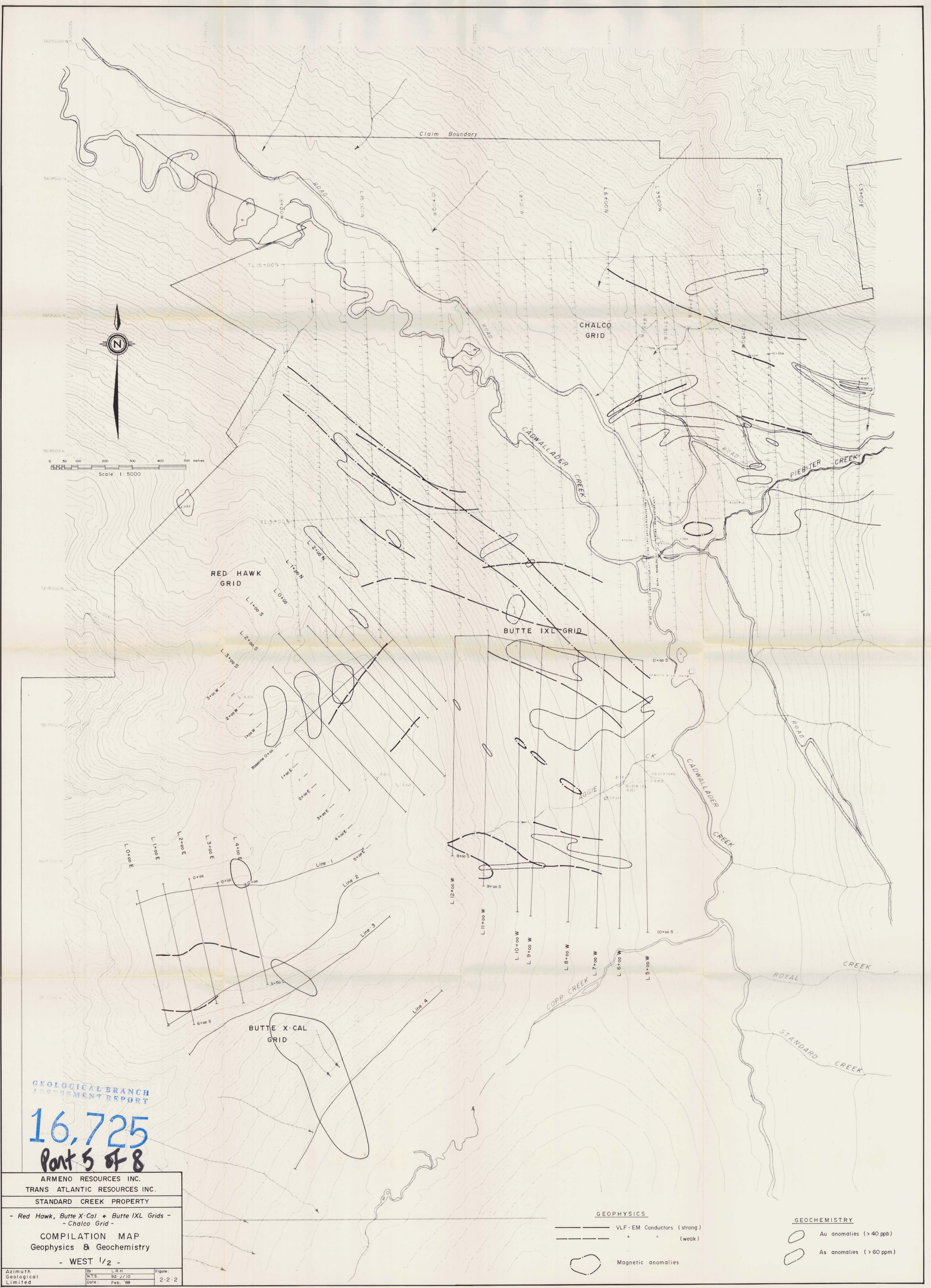
**GEOCHEMISTRY**

- Au anomalies (40 ppb)
- As anomalies (60 ppm)

**GEOPHYSICS**

- VLF-EM Conductors (strong)
- (weak)
- Magnetic anomalies

Azimuth Geological Incorporated	By: L.R.H. D.T.S. 92/11/10 Date: Feb. '88	Figure 2-2-2
---------------------------------------	---	-----------------



**16,725**  
Part 5 of 8

ARMENO RESOURCES INC.		
TRANS ATLANTIC RESOURCES INC.		
STANDARD CREEK PROPERTY		
- Red Hawk, Butte X-Cal + Butte IXL Grids - - Chalco Grid -		
COMPILATION MAP Geophysics & Geochemistry		
- WEST 1/2 -		
Azimuth Geological Limited	By: L.R.H. N.T.S. 92/J/10 Date: Feb. 88	Figure: 2.2.2

**GEOPHYSICS**

— VLF-EM Conductors (strong)

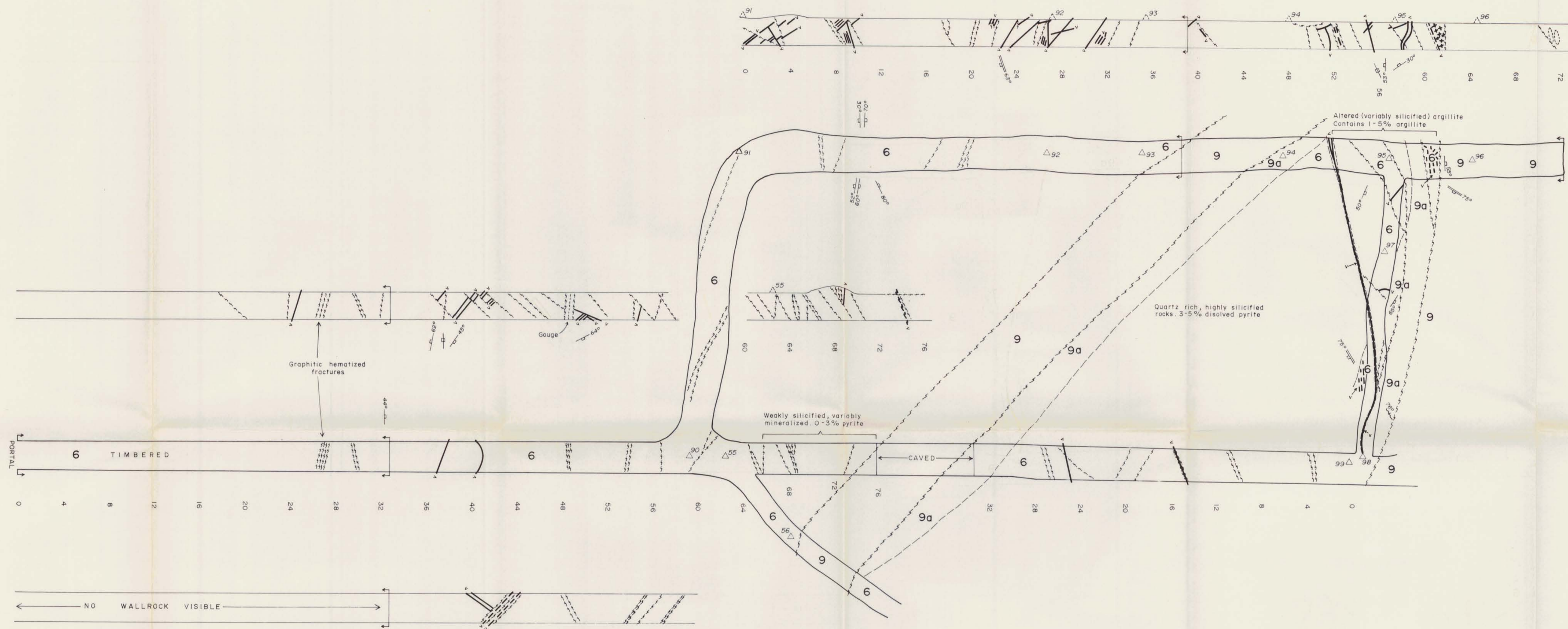
- - - " (weak)

○ Magnetic anomalies

**GEOCHEMISTRY**

○ Au anomalies (> 40 ppb)

○ As anomalies (> 60 ppm)



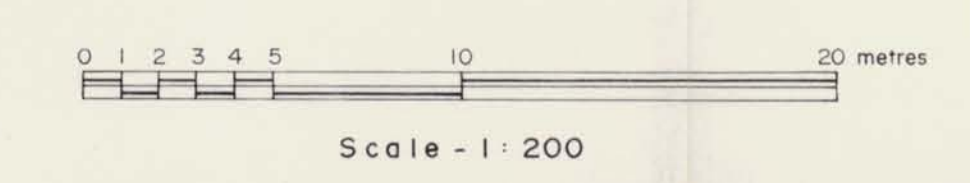
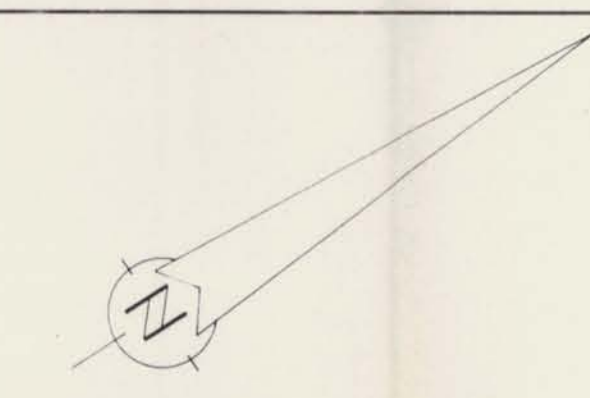
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725

Part 5 of 8

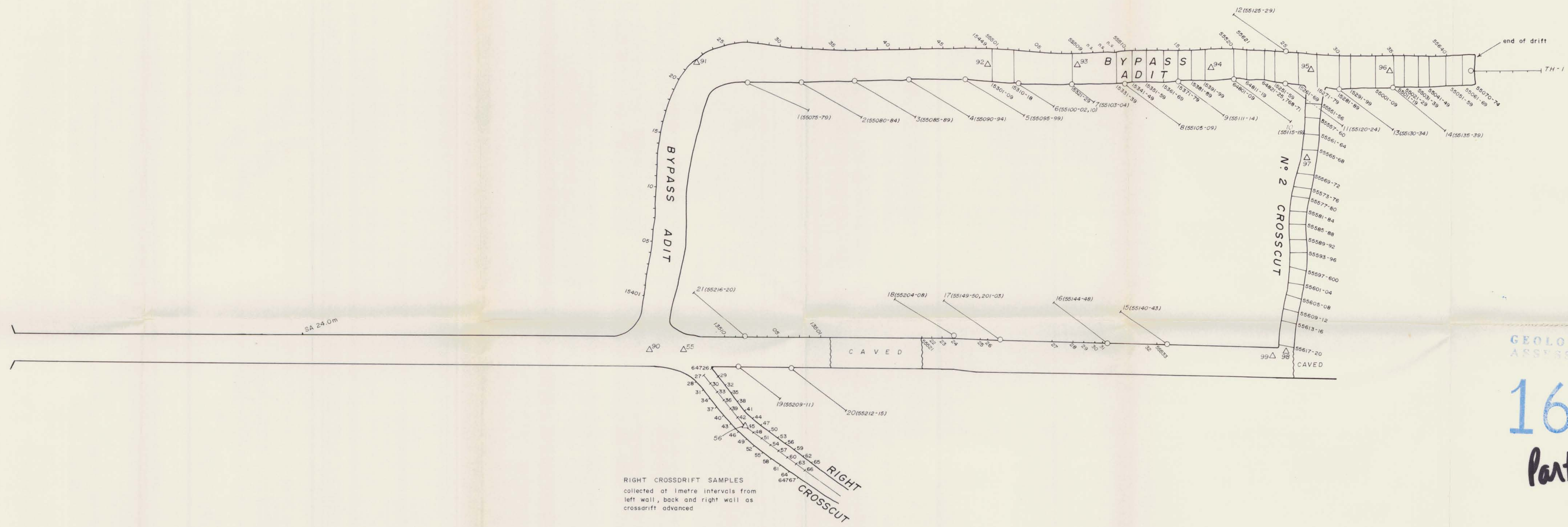
**LEGEND**

<b>9a</b> highly silicified	jointing, strike & dip
<b>9</b> talc / listwanite	vein, strike & dip
<b>6</b> argillite	shear, strike & dip
	quartz vein



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY		
- STANDARD ADIT -		
<b>GEOLOGY</b>		
Azimuth Geological Incorporated	By T.H.C. N.T.S. Date 92. J / 10 Feb. '88	Figure 7-1-1





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725  
Part 5 of 8

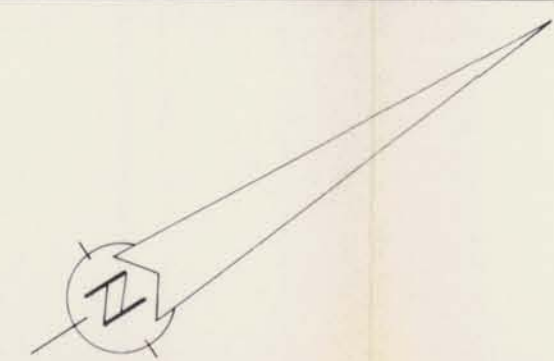
RIGHT CROSSDRIFT SAMPLES  
collected at 1 metre intervals from  
left wall, back and right wall as  
crossdrift advanced

LEGEND

FACE SAMPLE DIAGRAM  
Samples shown in sequence collected  
i.e. at face 92 \* 80m, sample no. 15321  
corresponds to location no. 1; sample no.  
15329 corresponds to location no. 9.

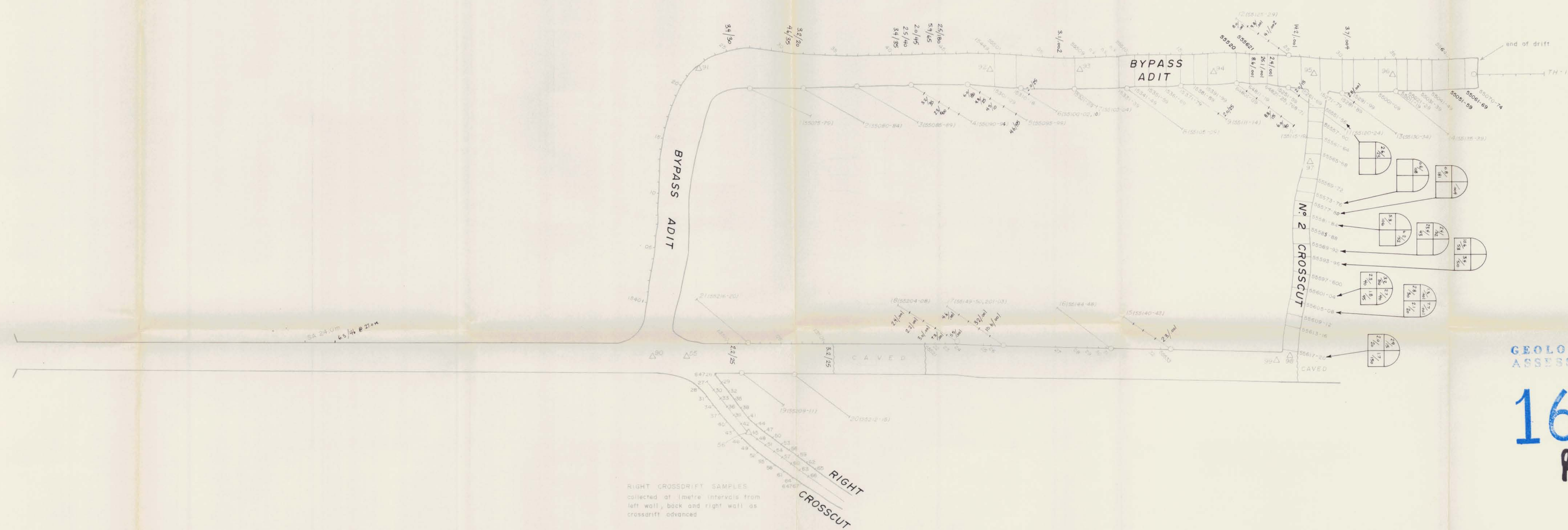
CROSS CUT FACE SAMPLES  
Four samples collected from each face  
and individually numbered.

PERCUSSION TEST HOLES  
Samples collected at 4ft (1.28m) interval



0 1 2 3 4 5 10 20 metres  
Scale - 1:200

ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY		
- STANDARD ADIT - Sample numbers & Locations		
Azimuth Geological Incorporated	By T.H.C. N.T.S.: 92-J/10 Date Jan. '88	Figure 7-1-2



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725  
Part 5 of 8

RIGHT CROSSCUT SAMPLES  
collected at 1 metre intervals from  
left wall, back and right wall as  
crosscut advanced

**LEGEND**

**FACE SAMPLE DIAGRAM**  
Samples shown in sequence collected  
i.e. at face 32 \* 80m, sample no. 15321  
corresponds to location no.1; sample no.  
15329 corresponds to location no.9.

**survey station**

**CROSS CUT FACE SAMPLES**  
Four samples collected from each face  
and individually numbered.

**PERCUSSION TEST HOLES**  
Samples collected at 4ft (1.28m) interval

**Chip sample interval.**  
- sample N° and end of interval.

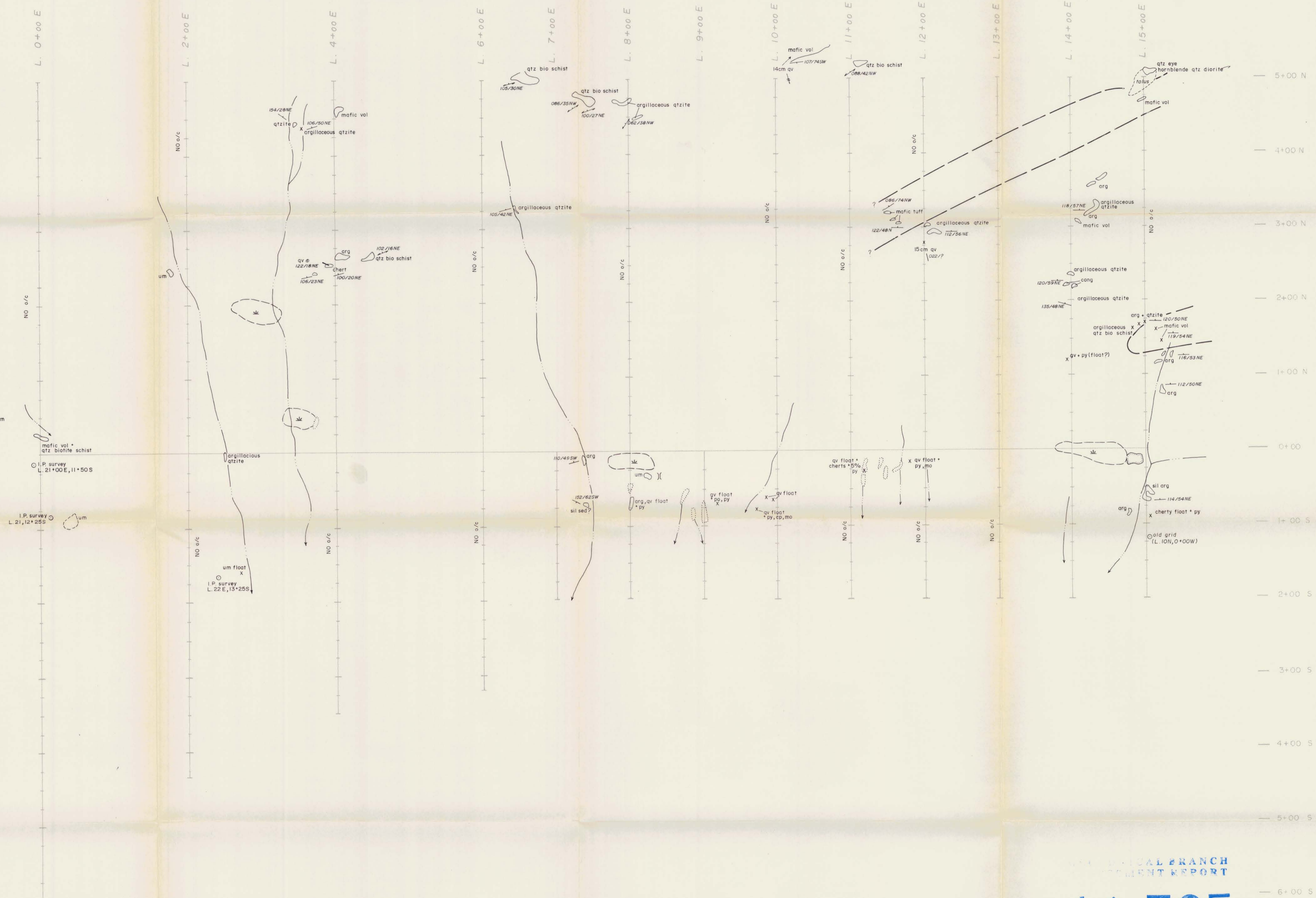
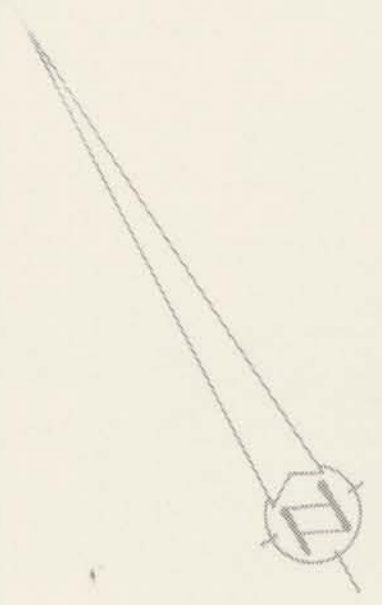
25/100 ppm Ag\* / ppb Au\*

37/00ft ppm Ag / oz/ton Au

\* Ag values ≥ 2.0 ppm or Au values ≥ 100 ppb plotted



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY		
- STANDARD ADIT -		
<b>SAMPLE RESULTS</b>		
Au, Ag		
Azimuth	By T.H.C.	Figure
Geological	NTS 92-J/10	7-1-3
Incorporated	Date Jan '88	



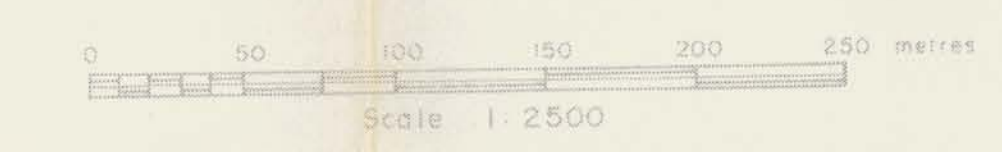
ARMENO RESOURCES INC.  
 TRANS ATLANTIC RESOURCES INC.  
 STANDARD CREEK PROPERTY  
 Standard West Grid  
**16,725**  
 Part 5 of 8

**LEGEND**

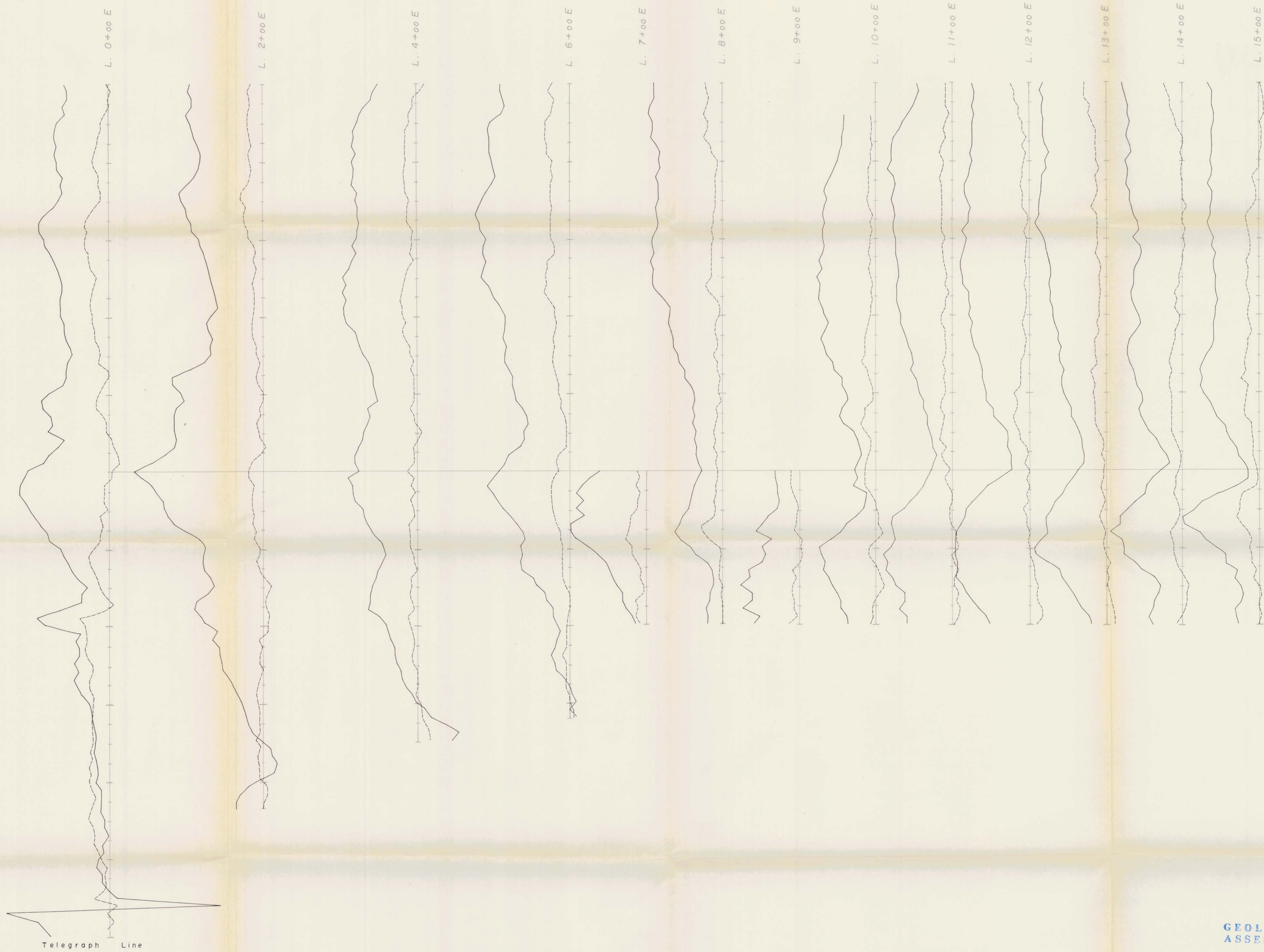
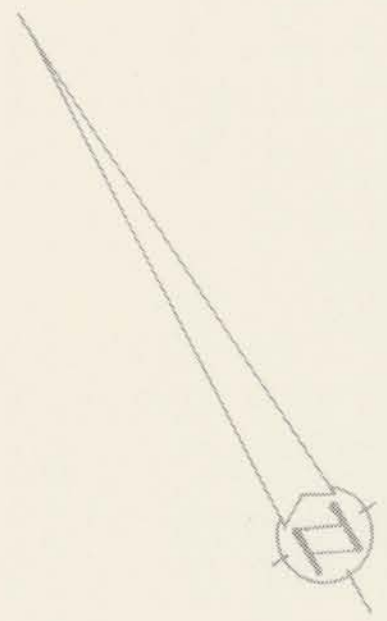
	outcrop		strike & dip (schistosity)
	float		strike & dip (bedding)
	contact (assumed)		swamp
	creek (intermittent)		rusty seep

**ABBREVIATIONS**

e/c	outcrop	vol	volcanic
um	ultramafic	sil	siliceous
qtz	quartz	I.P.	induced potential
qtzite	quartzite	py	pyrite
qv	quartz vein	cp	chalcopyrite
bio	biotite	mo	molybdenite
arg	argillite		



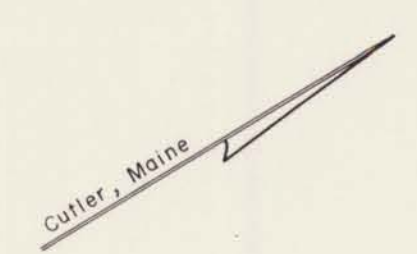
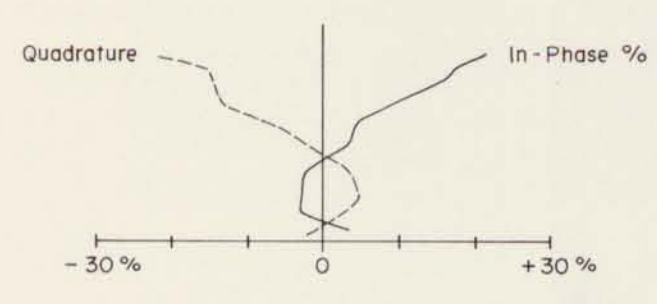
ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY Standard West Grid		
<b>GEOLOGY</b>		
Azimuth	By J.C.	Figure
Geological	92:J/10	7-2-1
Incorporated	Jan '88	



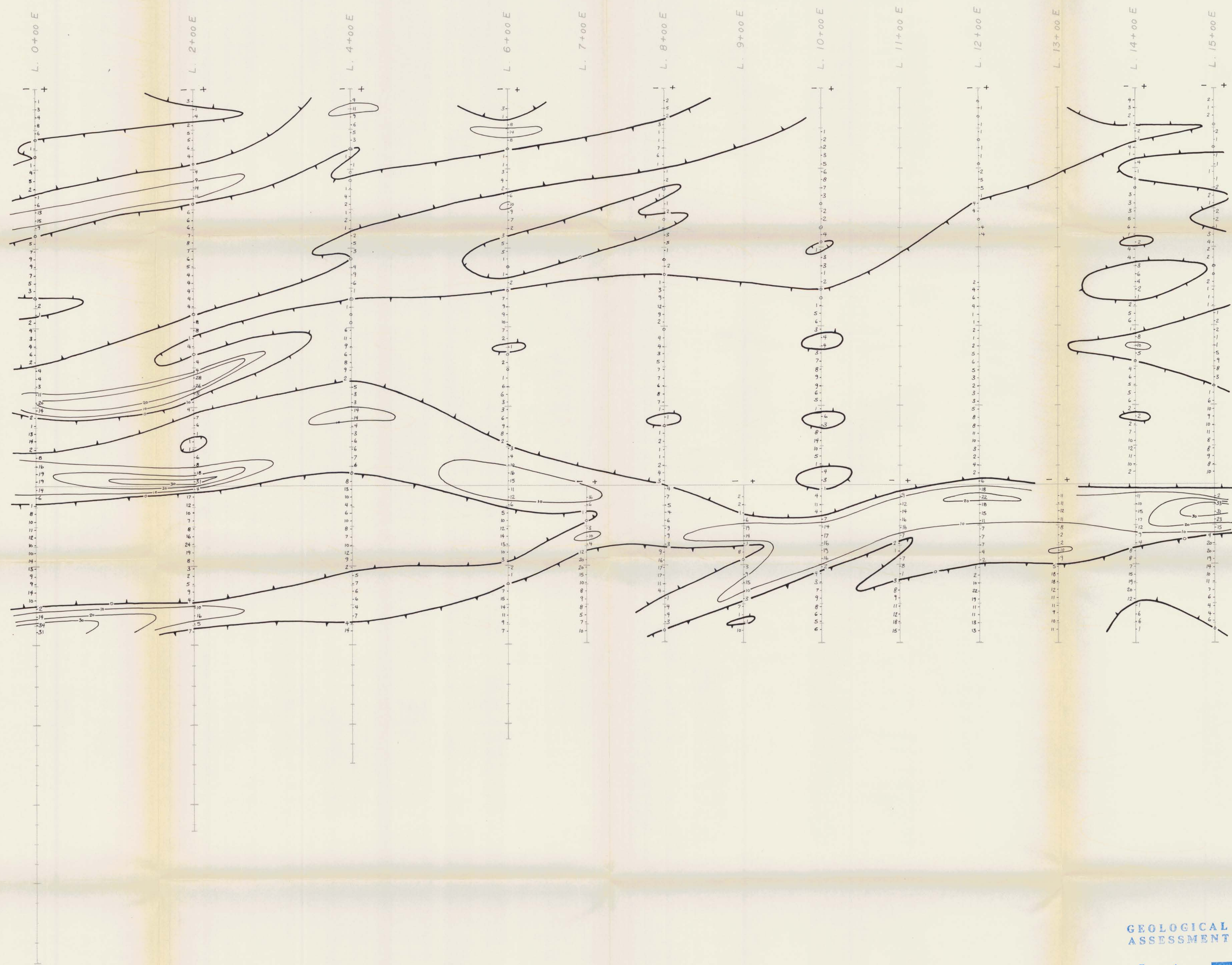
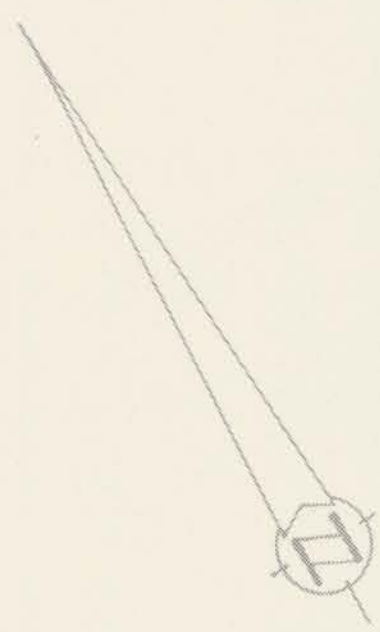
5+00 N  
4+00 N  
3+00 N  
2+00 N  
1+00 N  
0+00  
1+00 S  
2+00 S  
3+00 S  
4+00 S  
5+00 S

GEOLOGICAL BRANCH 6+00 S  
ASSESSMENT REPORT

16,725  
Part 5 of 8

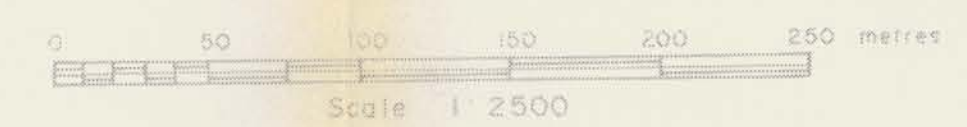
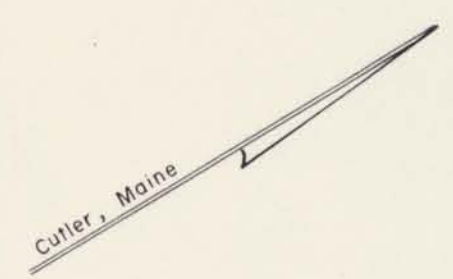


ARMENO RESOURCES INC.		
TRANS ATLANTIC RESOURCES INC.		
STANDARD CREEK PROPERTY		
- Standard West Grid -		
VLF - EM 16 SURVEY		
In-Phase % & Quadrature Profiles		
Azimuth	By	Figure
Geological	K.K.	92 J/10
Incorporated	Feb. '88	7-2-2

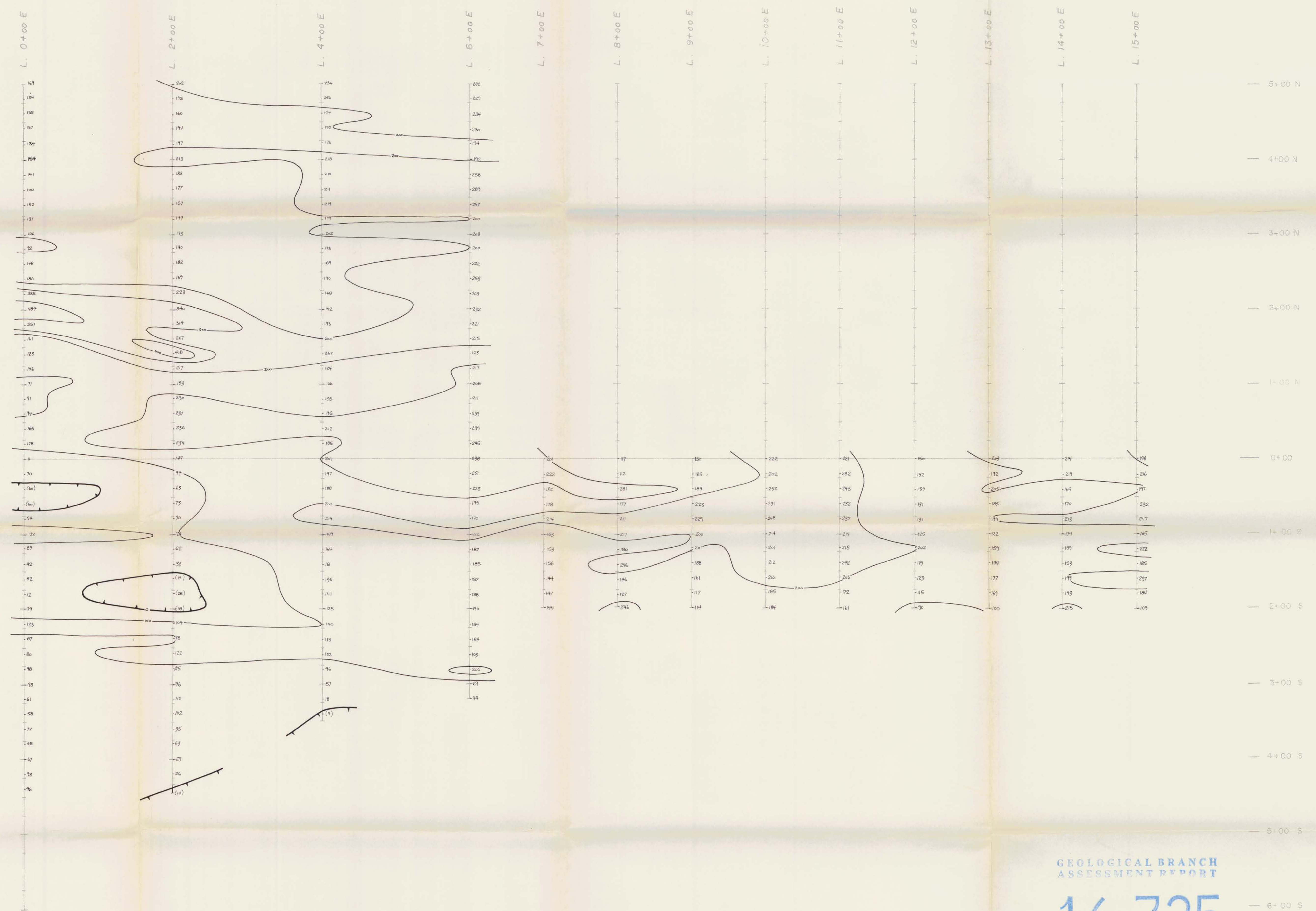
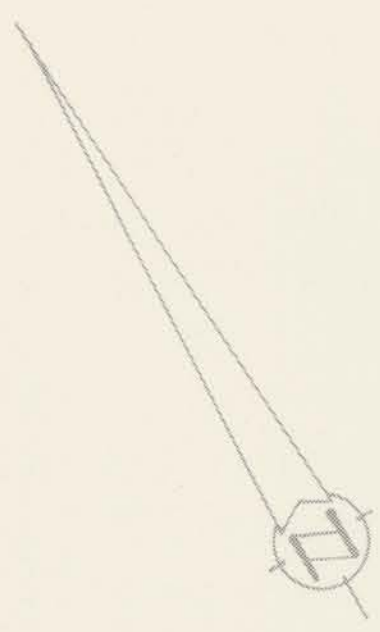


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725  
Part 5 of 8



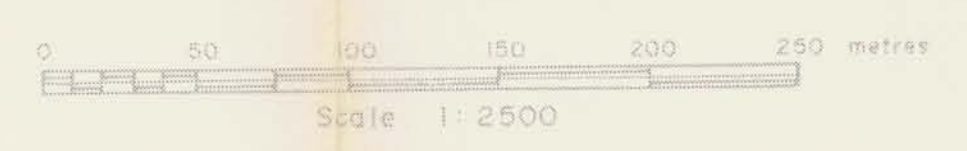
ARMENO RESOURCES INC.		File No:
TRANS ATLANTIC RESOURCES INC.		
STANDARD CREEK PROPERTY		7-2-3
- Standard West Grid -		
VLF - EM 16 SURVEY		
Fraser Filter Contours		
Azimuth	By T.H.C.	Date
Geological	92-3/10	
Incorporated	Feb '88	



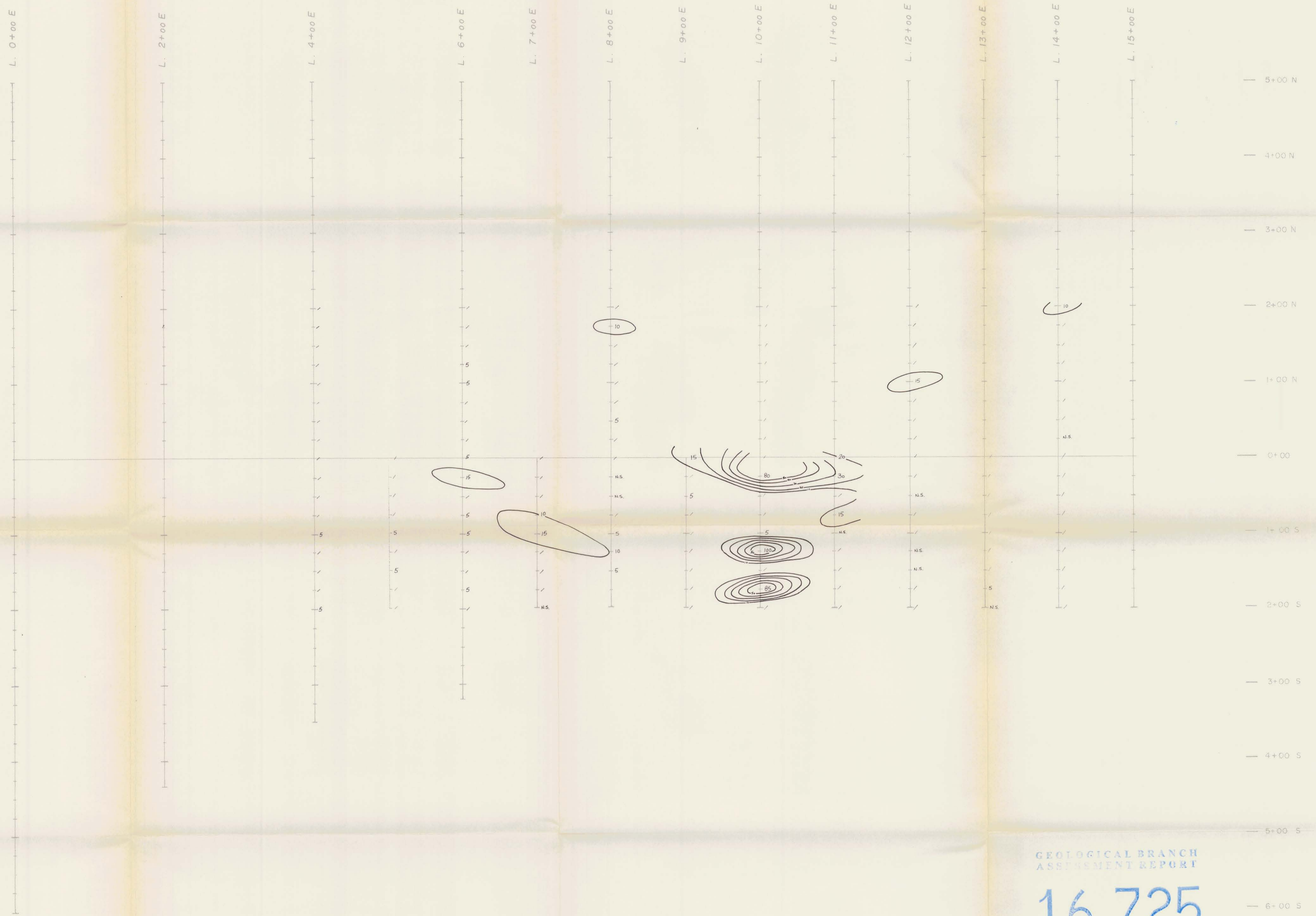
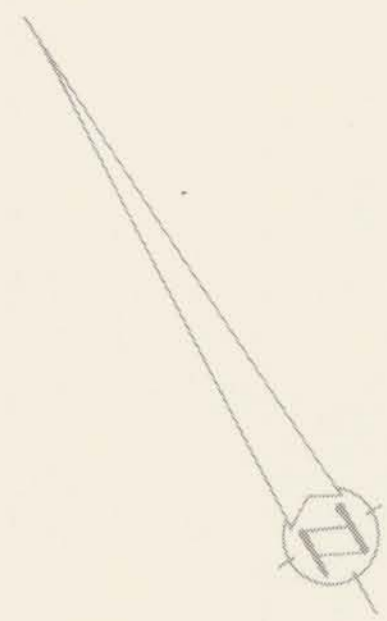
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725  
Part 5 of 8

Median Corrected Value : 56,800 Gammas  
 Values below median plotted as negatives e.g. 56,700 = (100)  
 " above " " " positives e.g. 56,920 = 120



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY - Standard West Grid - MAGNETOMETER SURVEY		
Azimuth Geological Incorporated	No. REFS DATE	G.K.G. 92-J/10 Feb. '88
		Figure 7-2-4

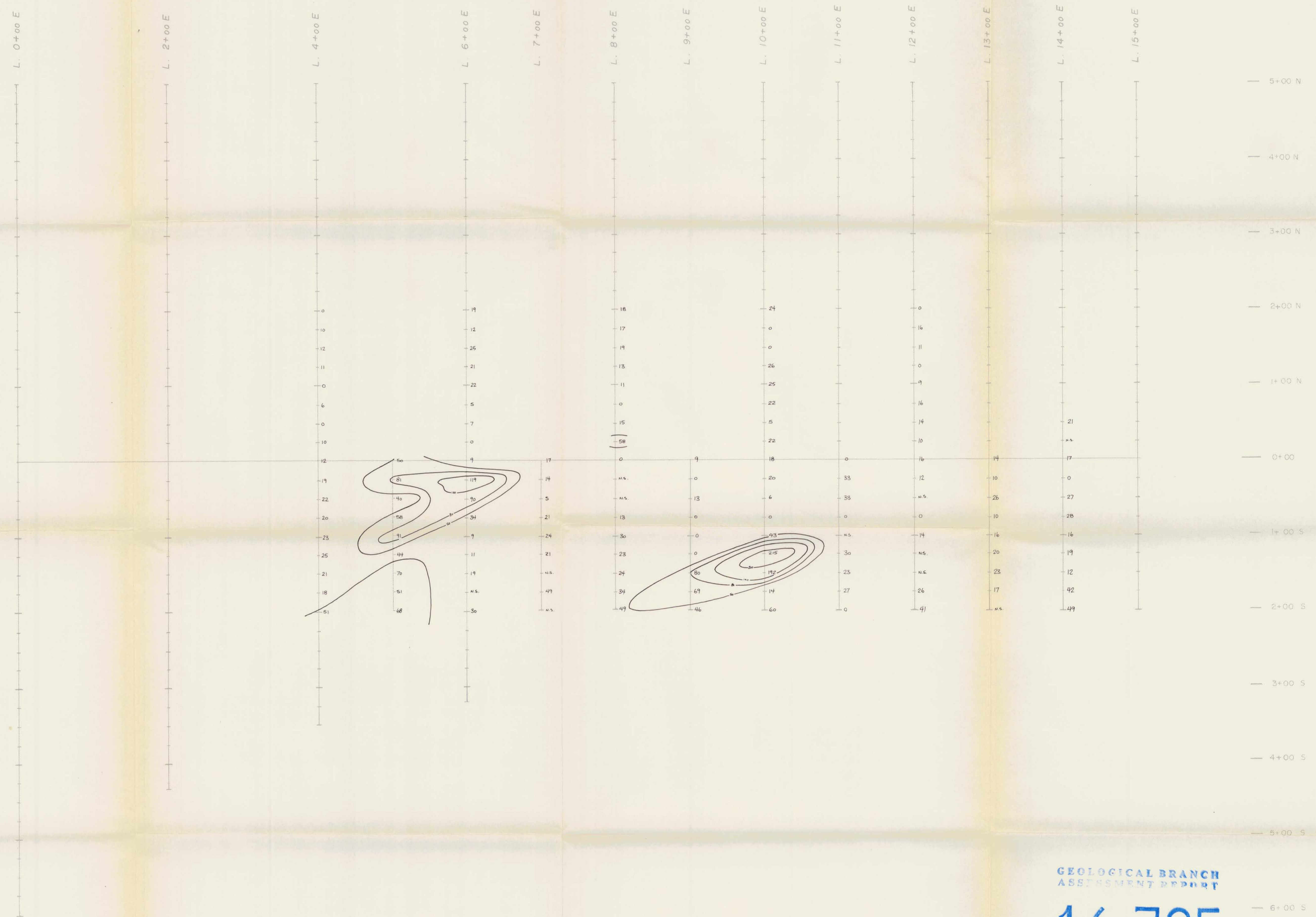
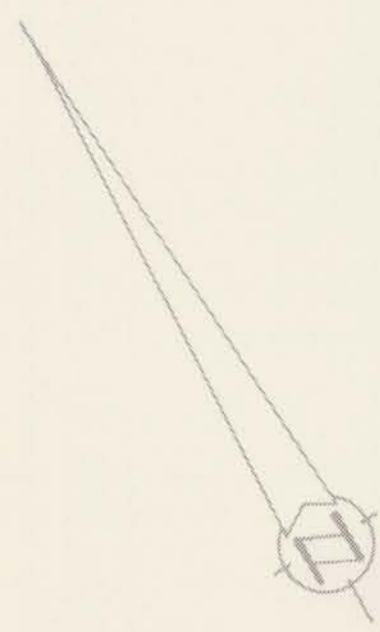


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725  
Part 5 of 8



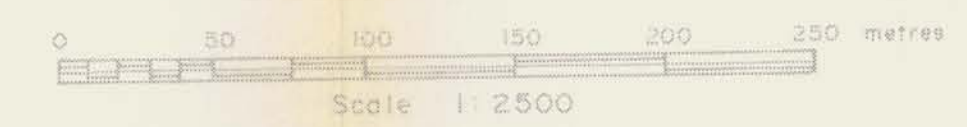
ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY - Standard West Grid -		
ppb Au in Soils		
By Azimuth Geological Incorporated	T.H.C. 92-12/10 Feb. '88	Page 7-2-5



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

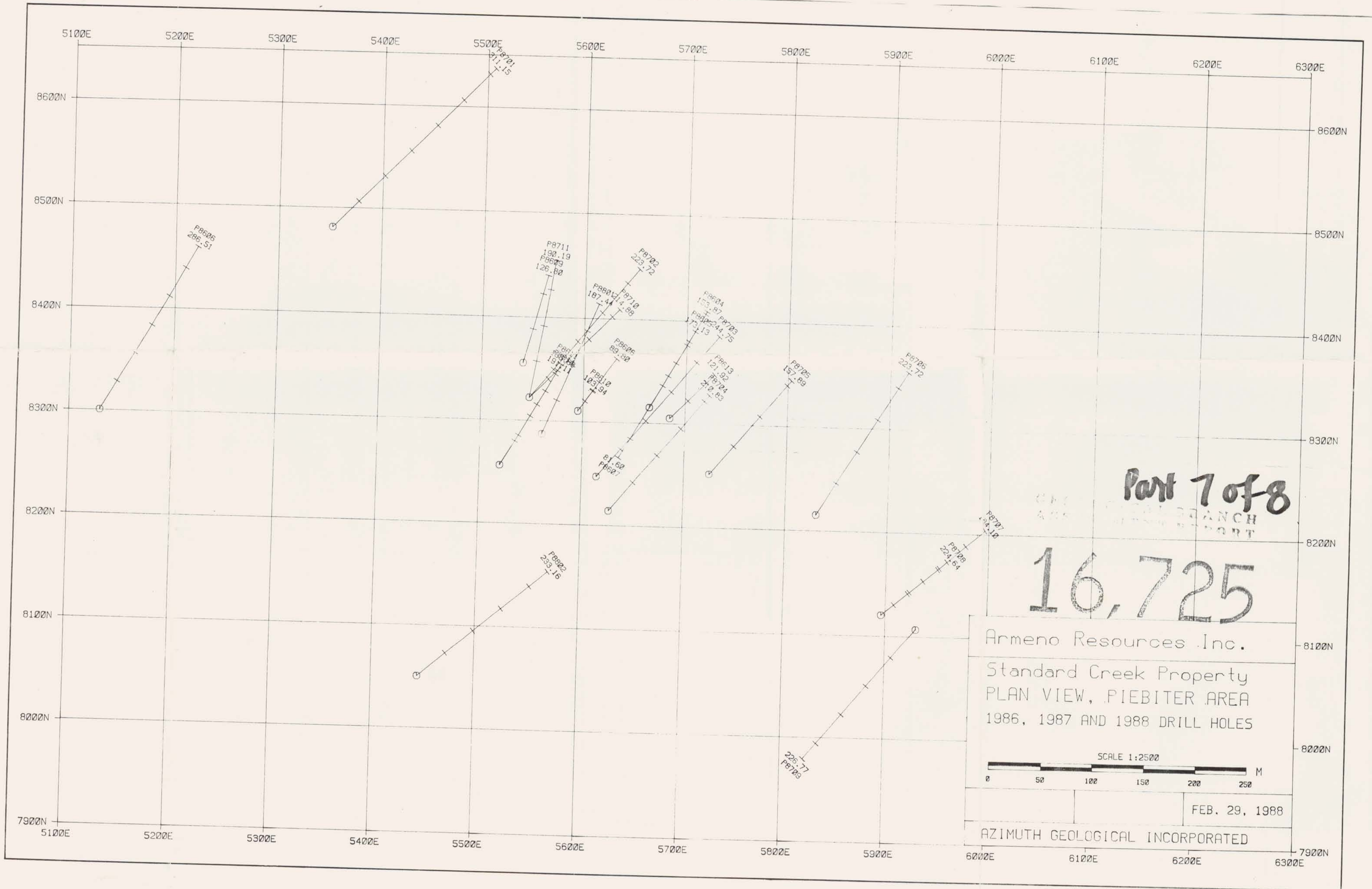
16,725

Part 5 of 8



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY - Standard West Grid -		
ppm As in Soils		
Azimuth	By	Page
Geological	T.H.C.	7-2-6
Incorporated	92/1/10	
	100%	Feb '88







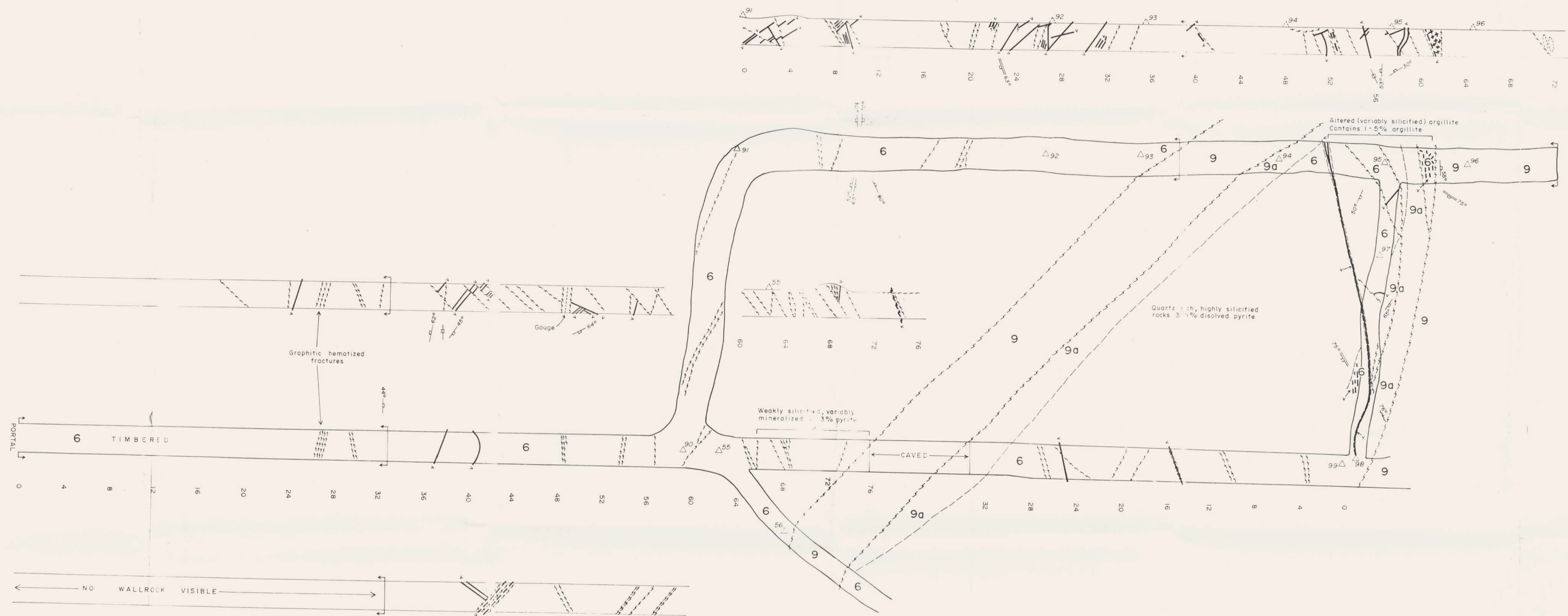
GEOLOGICAL BRANCH

16,725  
Part 6 of 8

- Outcrop
- QBS - Quartz Biotite Schist
- Lst - Limestone
- Volc - Volcanic (undifferentiated)
- Aggl - Agglomerate
- Um - Ultramafic
- Di - Diorite
- Contact (assumed)
- Foliation (strike + dip)
- Road
- Creek



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY		
- Chalco Grid -		
<b>GEOLOGY</b>		
Azimuth Geological Incorporated	By N.T.S. 92 J/10 Date Feb. '88	Figure 7-6-2

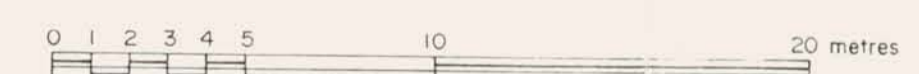
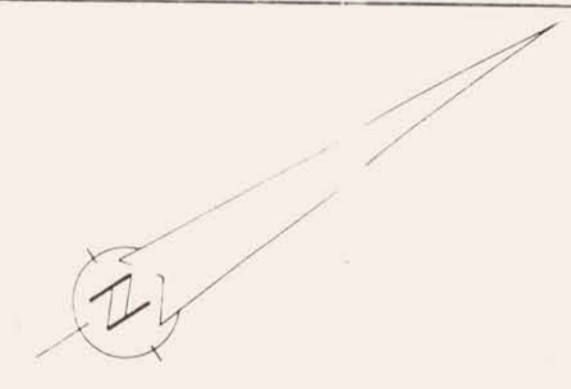


Part 5 of 8

16725

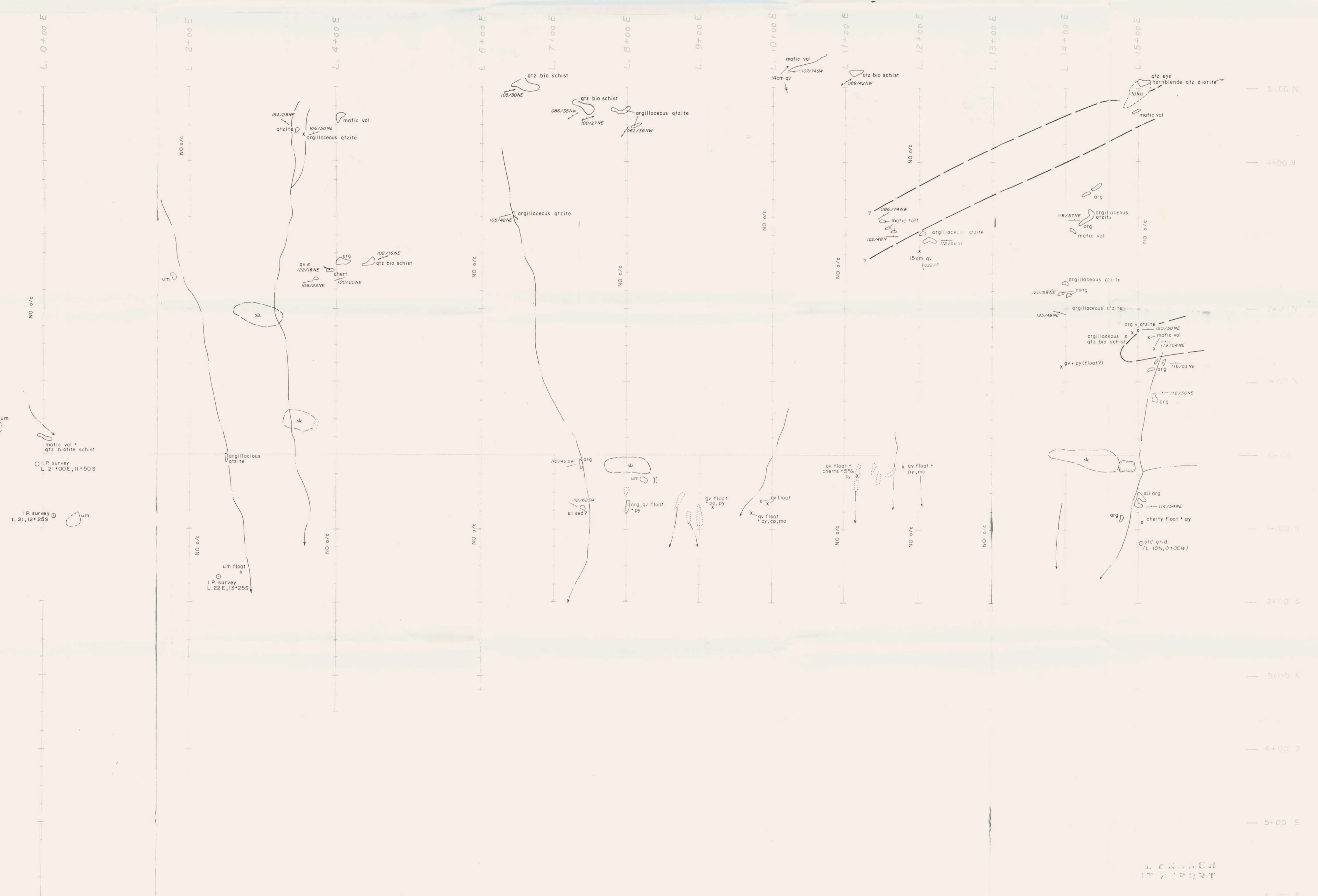
LEGEND

- 9a highly silicified
- 9 talc / listwanite
- 6 argillite
- jointing, strike & dip
- vein, strike & dip
- shear, strike & dip
- quartz vein



Scale - 1:200

ARMENO RESOURCES INC.		
TRANS ATLANTIC RESOURCES INC.		
STANDARD CREEK PROPERTY		
- STANDARD ADIT -		
GEOLOGY		
Azimuth Geological Incorporated	By T.H.C. R.T.S. Date Feb '88	Figure 7-1-1



16,725  
Part 5 of 8

**LEGEND**

- outcrop
- float
- contact (assumed)
- creek (intermittent)
- strike & dip (schistosity)
- strike & dip (bedding)
- swamp
- rusty seep

**ABBREVIATIONS**

- o/c outcrop
- um ultramafic
- qtz quartz
- qtzite quartzite
- qv quartz vein
- bio biotite
- arg argillite
- vol volcanic
- sil siliceous
- I.P. induced potential
- py pyrite
- cp chalcopyrite
- mo molybdenite



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY Standard West Grid			
<b>GEOLOGY</b>			
As/Smith Geological Interpretation	J.C. 92/1/10 Jan 88	Sheet	7-2-1

16,725

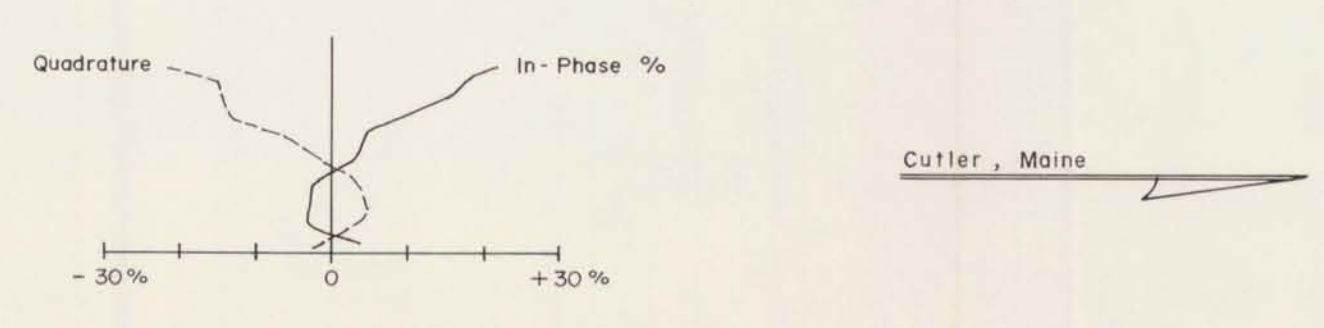


Telegraph Lines

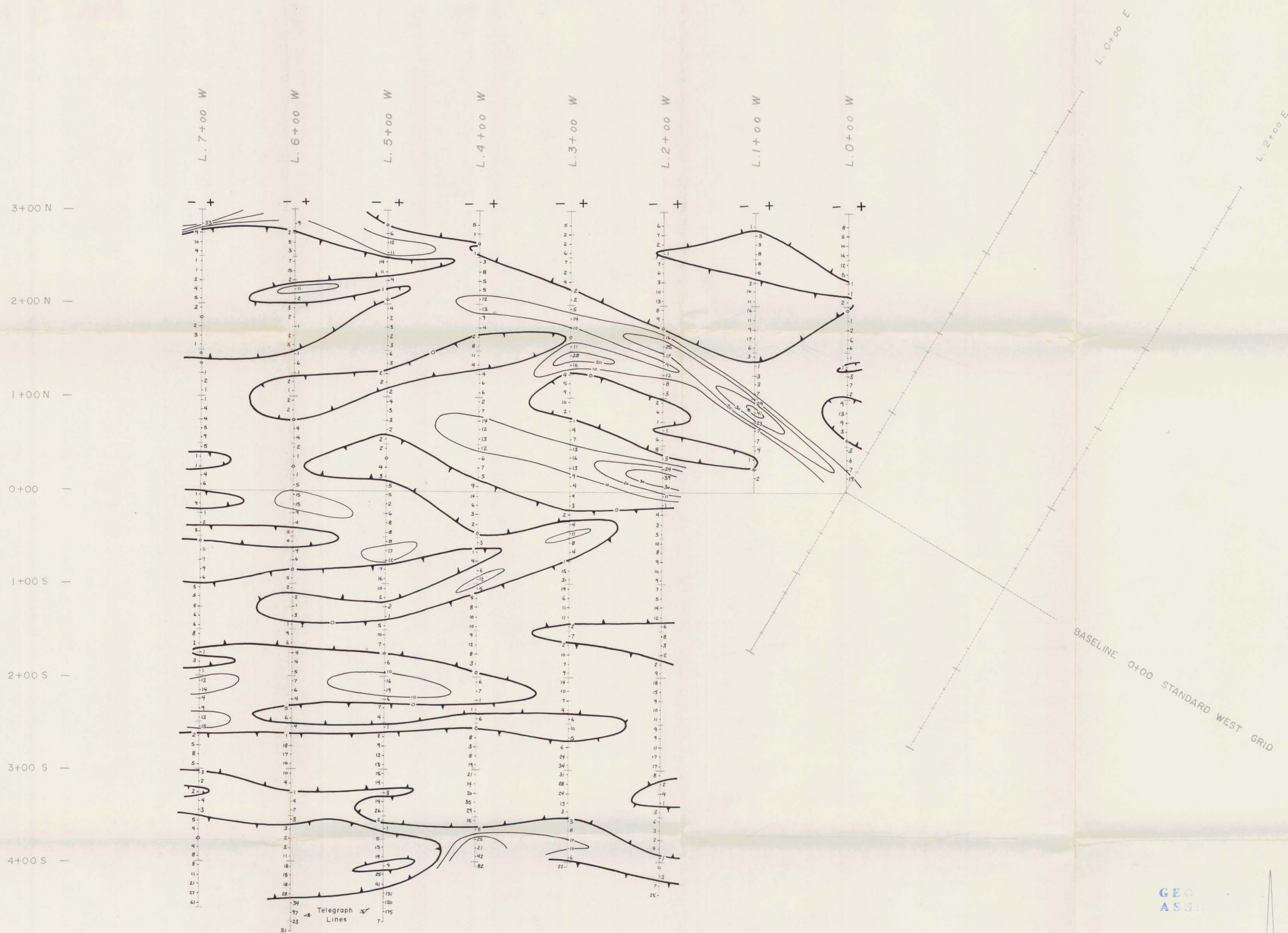
GEO ASSOCIATES

16,725

Part 5 of 8



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY - Standard West Extension Grid - VLF - EM 16 SURVEY In-Phase % & Quadrature Profiles		
Azimuth Geological Incorporated	By K.K. N.T.S. Date 92-JJ-10 Feb. '88	Figure 7-3-1

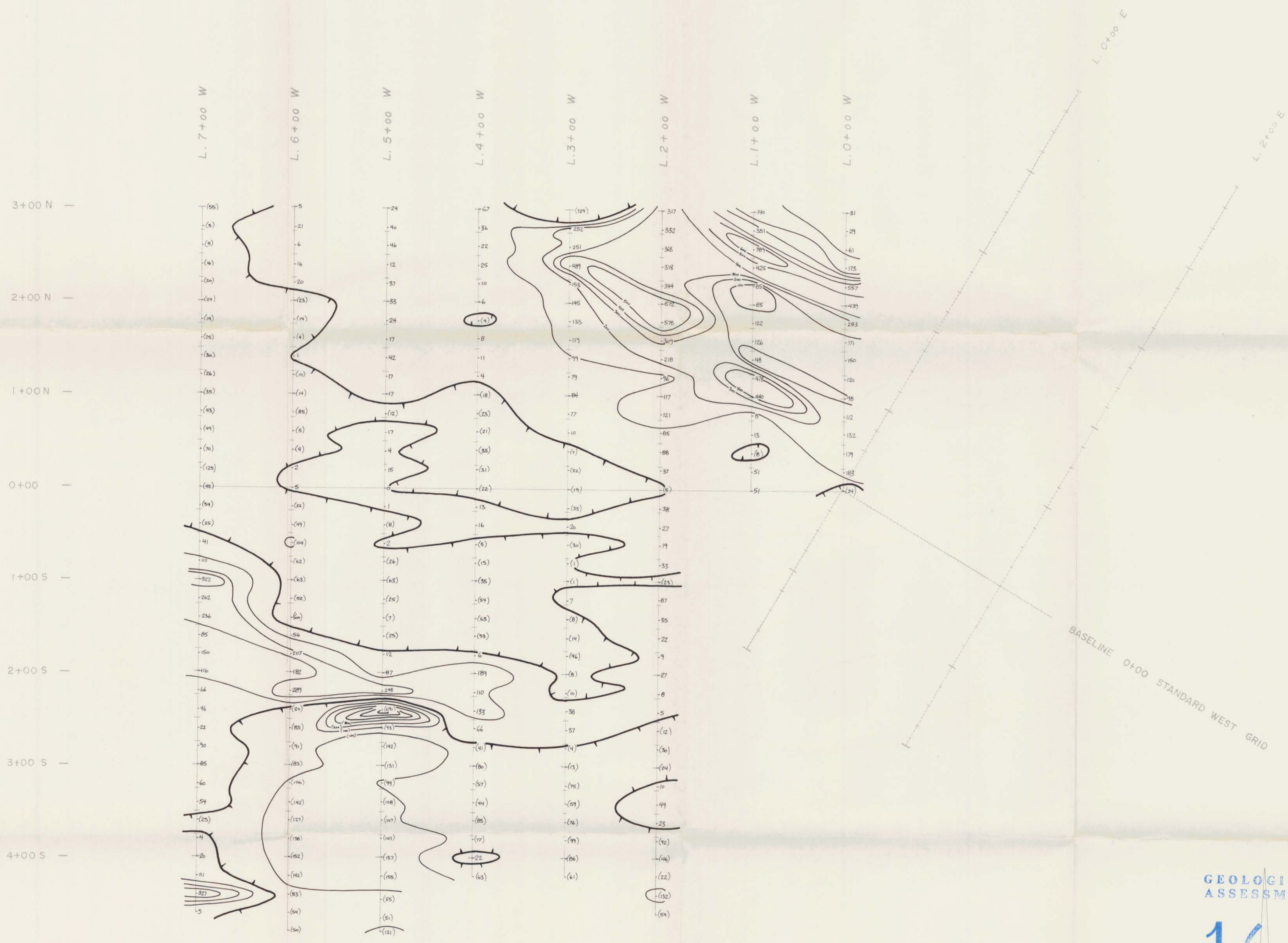


GEO ASSOCIATES  
 BRANCH REPORT  
**16,725**  
 Part 5 of 8

Cutler, Maine



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY		
- Standard West Extension Grid -		
VLF - EM I6 SURVEY Fraser Filter Contours		
Azimuth Geological Incorporated	By: G.K.G. N.T.S. 92-J/10 Date: Feb. '88	Figure: 7-3-2



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,725  
Part 5 of 8



Median Value : 58,000 Gammas

Values below median plotted as negatives e.g. 57,900 = (100)  
" above " " " positives " 58,120 = 120



ARMENO RESOURCES INC. TRANS ATLANTIC RESOURCES INC. STANDARD CREEK PROPERTY - Standard West Extension Grid -		
<b>MAGNETOMETER SURVEY</b>		
Azimuth Geological Incorporated	By: <b>K.K.</b> N.T.S. <b>92-J/10</b> Date: <b>Feb. '88</b>	Figure <b>7-3-3</b>