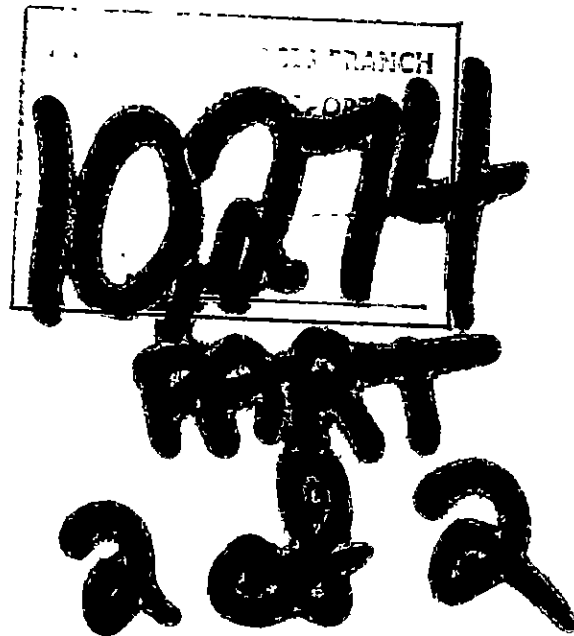


BLUE RIVER CARBONATITES
BRITISH COLUMBIA
FINAL REPORT, 1981

BOOK II
Maps and Sections

82-90-10274



February, 1982

Bent Aagist
Project Geologist

I N D E X

First Folder

1. Structure and Carbonatite Occurrences 83D/6E
2. Claim Map 83D/6E

Second Folder

1. Topographic Map Verity-Mill Area 1:4,000
2. Radiometric Contours and Channel Sampling Specimen Pit

VERITY AREA CROSS-SECTIONS

Third Folder

1. 49.800 E
2. NW-SE 49,900N - 49,700N
3. 49,850E

Fourth Folder

1. 49,900E
2. 49,950E
3. 50,120E

Fifth Folder

1. 50,150E
2. 50,200E
3. 50,265E

Sixth Folder

1. Bone Creek Geologic and Drill Hole Map
2. Bone Creek Cross-Section 49,125E
3. Bone Creek Cross-Section 49,208E

Seventh Folder

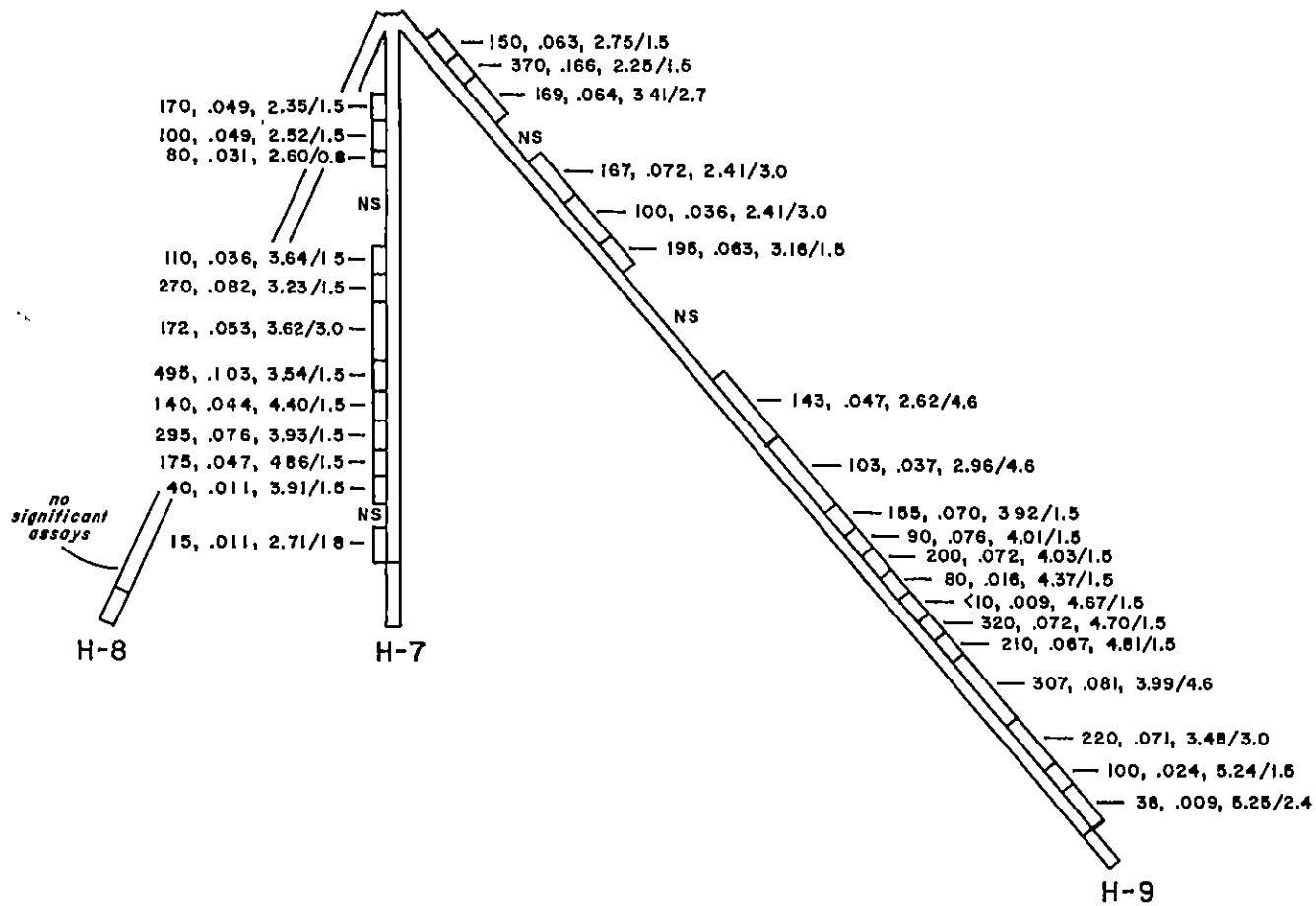
1. Fir-AZ1 Corss-Section N-S at 48,680E
2. Fir-AZ1 Cross-Section E-W at 39,741N

49,850N

49,800N

950 m

950 m



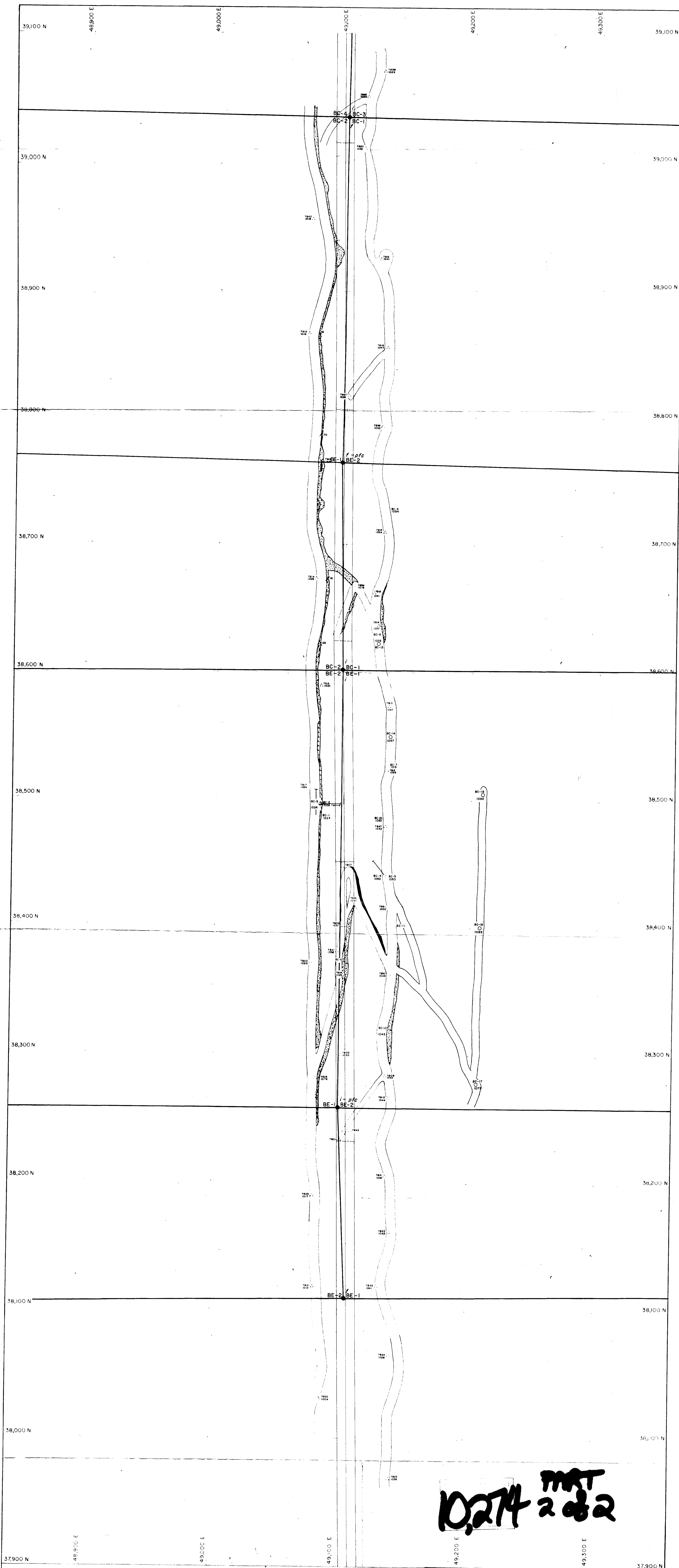
900 m

900 m

SUPPLEMENT TO VERITY AREA CROSS-SECTION

49,930 E

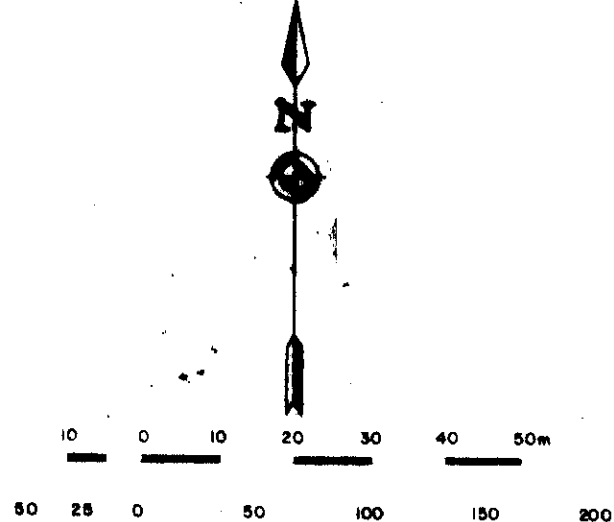
1:400



10,274 MAT
2082

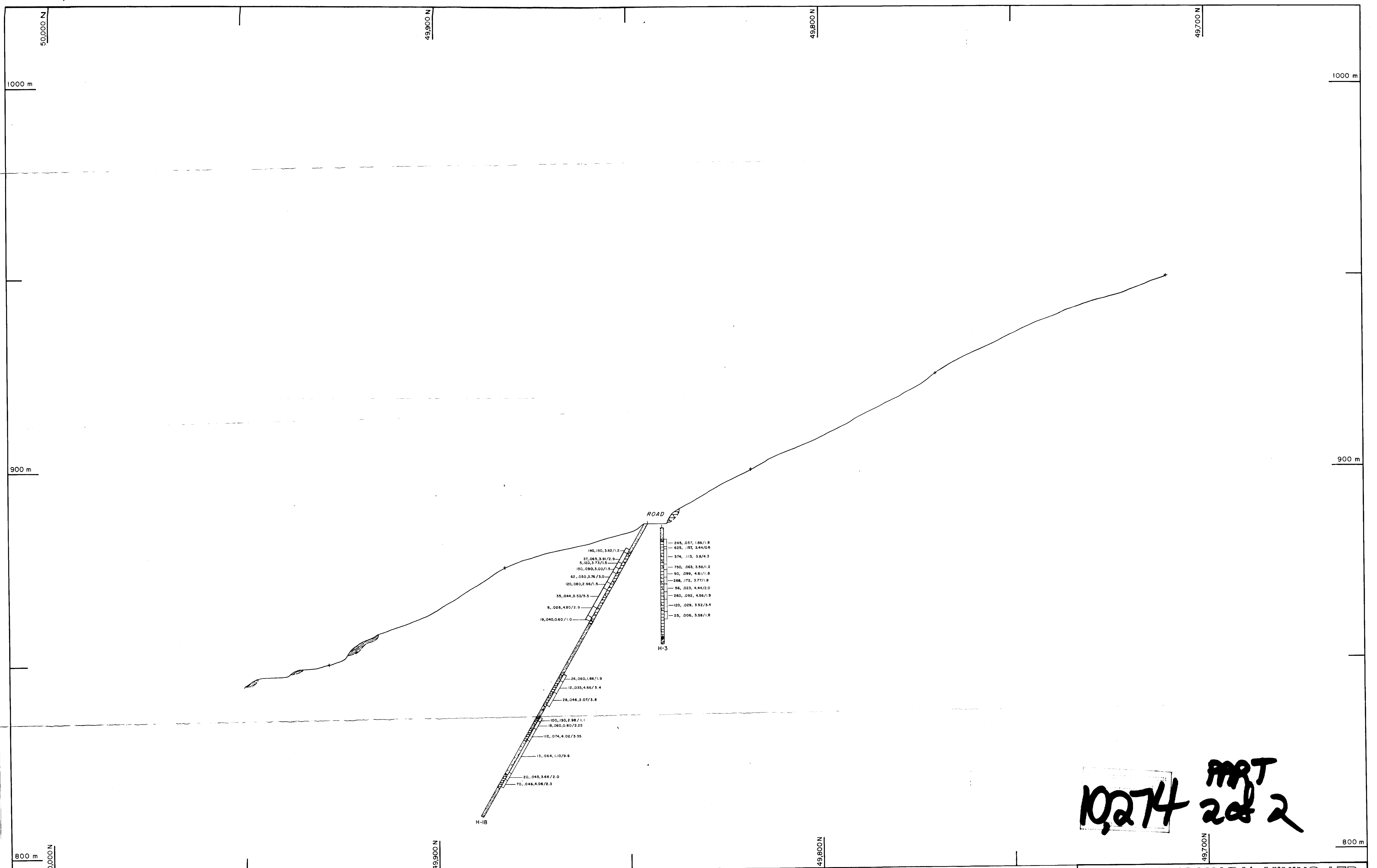
LEGEND

- Carbonatite
- Gneiss
- Float
- Feldspar dike
- Amphibolite
- PROJECTED GEO. CONTACT



Hole No.	Depth Drilled	Angle Drilled	Direction Drilled	Carbonatite Interval
BC 1	219'	-60°	North	None
BC 2	63'	-45°	N. 83° E	None
BC 3	62'	-60°	N. 83° E	None
BC 4	112'	-70°	N. 35° W	83' 5" - 97'
BC 5	99'	Vertical	—	79' 8" - 95'
BC 6	56'	Vertical	—	36' - 32' 8"
BC 7	123'	Vertical	—	103' - 102' 3"
BC 8	192'	Vertical	—	None
BC 9	9'	Vertical	—	Not Complete
BC 10	113'	Vertical	—	96' - 105'
BC 11	63'	Vertical	—	39' - 58'
BC 12	38'	Vertical	—	25' - 29' 2"

GEOLOGIC & DRILL HOLE MAP
BONE CREEK AREA
KAMLOOPS MINING DISTRICT
British Columbia, Canada



PART
10,274 2 of 2

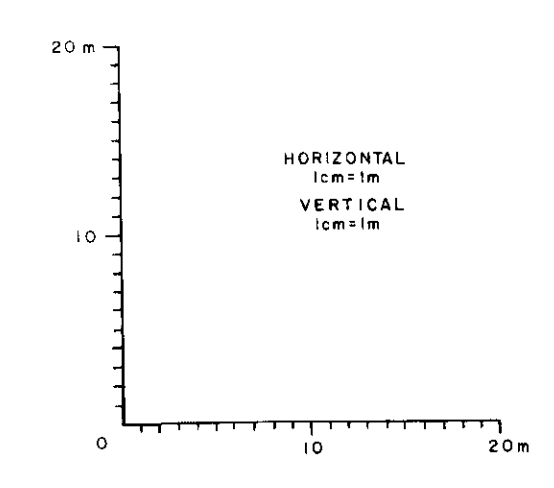
ANSCHUTZ (CANADA) MINING, LTD.

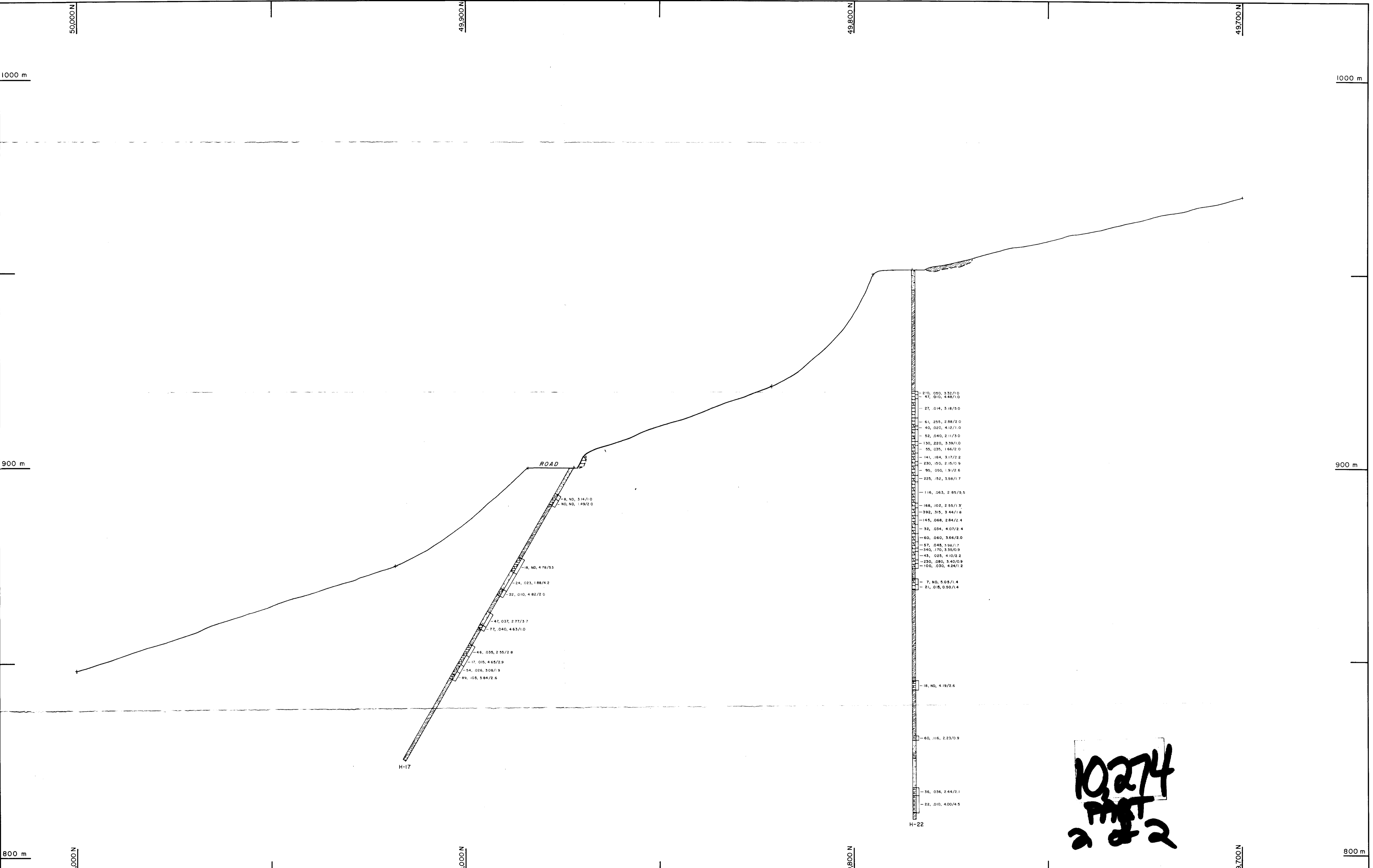
N-S CROSS-SECTION
VERITY AREA
49,800 E
British Columbia, Canada

-  AMPHIBOLITE
-  BEFORSITE
-  FELDSPAR
-  GNIESS
-  OVERBURDEN
-  SOVITE
-  TRANSITIONAL

T _g ppm	MgO %	P ₂ O ₅ %	Thickness in meters
435	143	4.25	0.6

NS - No Sample
ND - No Data

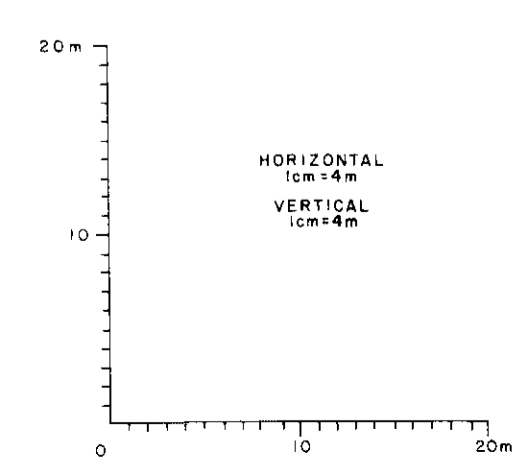




10274
PART
2 of 2

- | | | | |
|--|-------------|--|--------------|
| | AMPHIBOLITE | | OVERBURDEN |
| | BEFORSITE | | SOVITE |
| | FELDSPAR | | TRANSITIONAL |
| | GNIESS | | |

To ppm
 Mg-Ox %
 Fe-Ox %
 in weight
 NS - No Sample
 ND - No Data



ANSCHUTZ (CANADA) MINING, LTD.

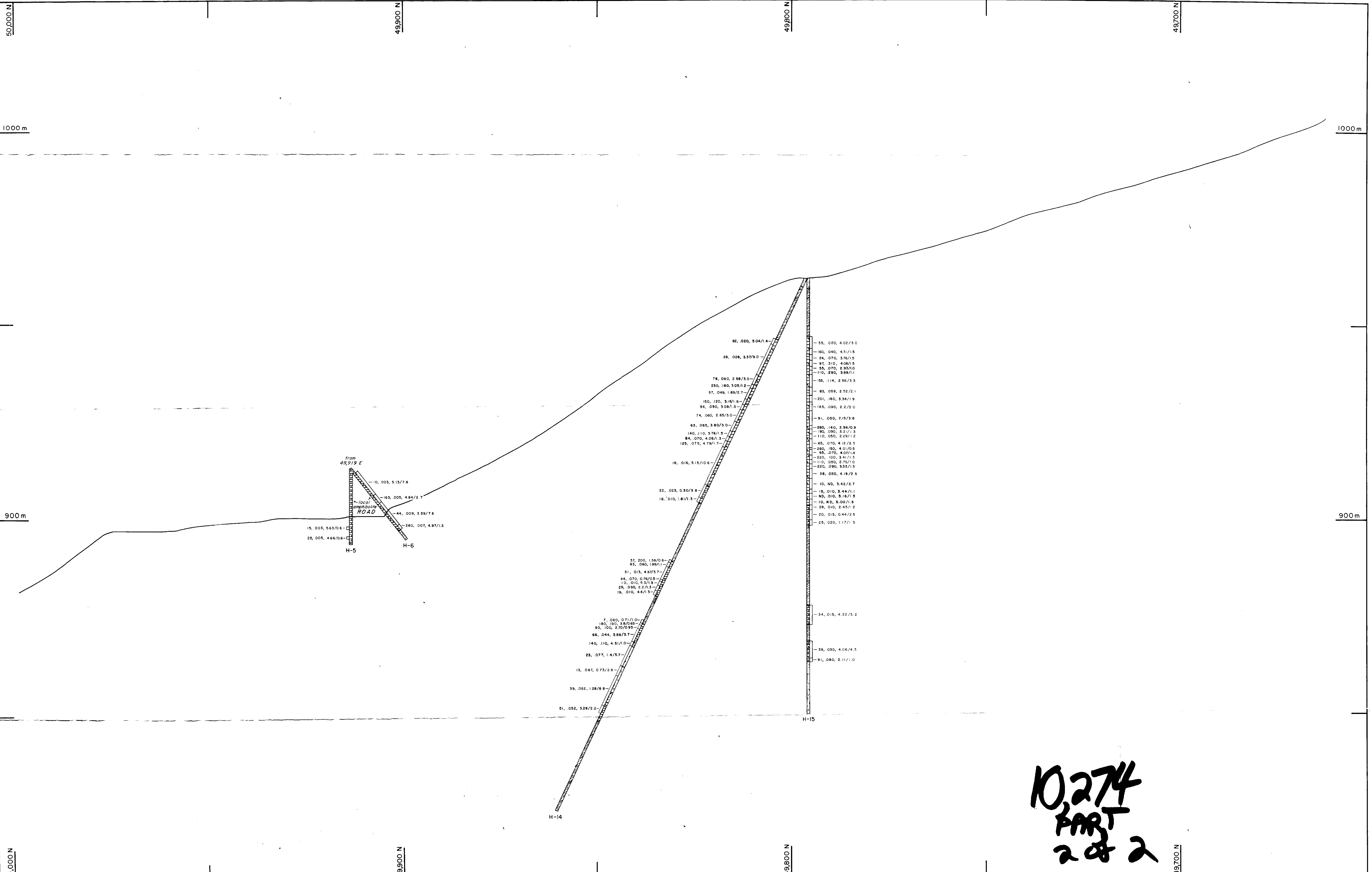
N-S CROSS-SECTION

VERITY AREA

49,850 E

British Columbia, Canada

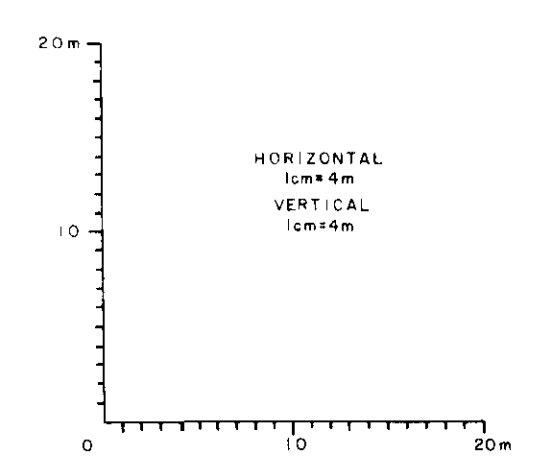
7/28/81 BWS 11/81 eeb



10274
PART
2 of 2

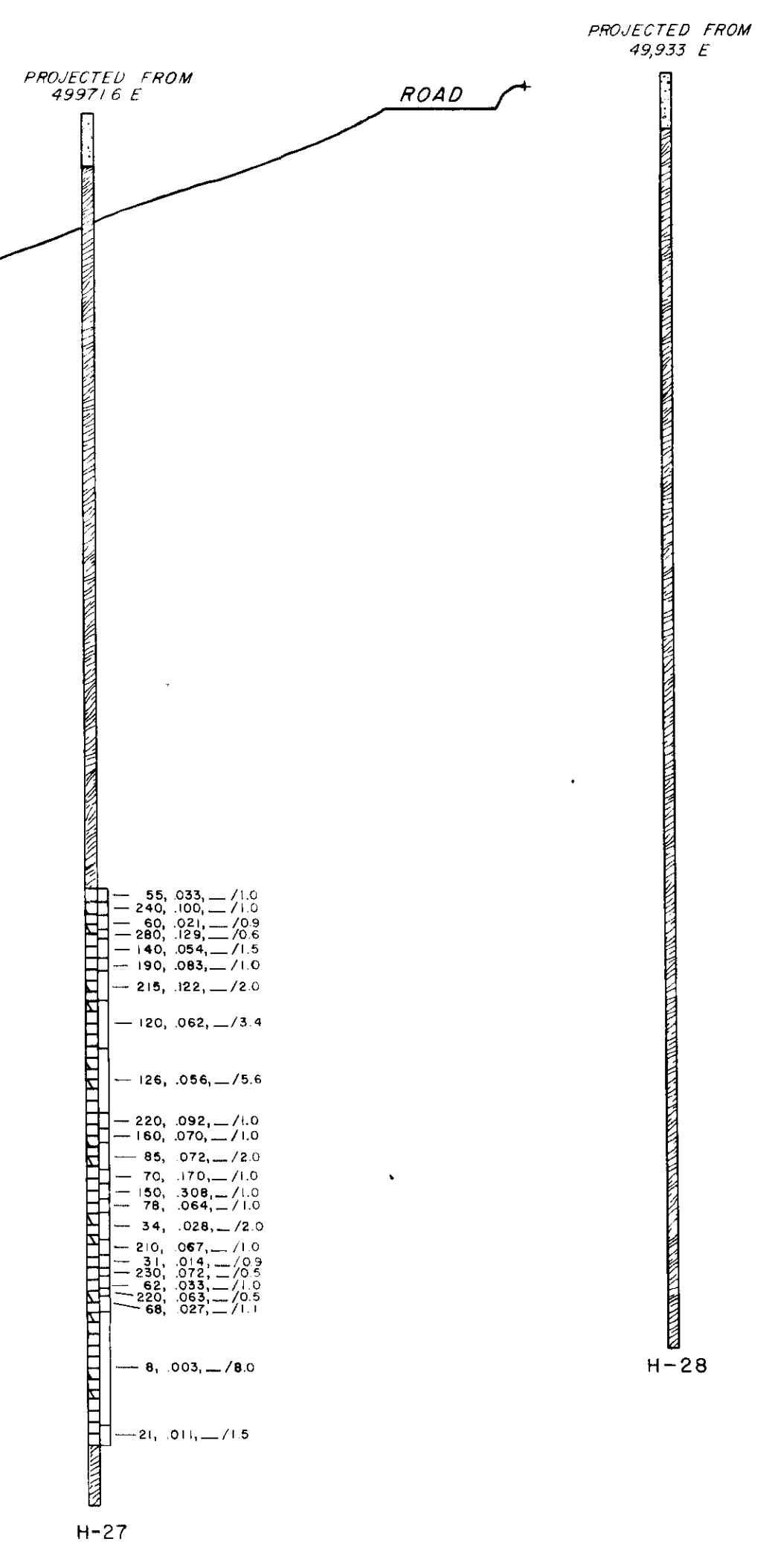
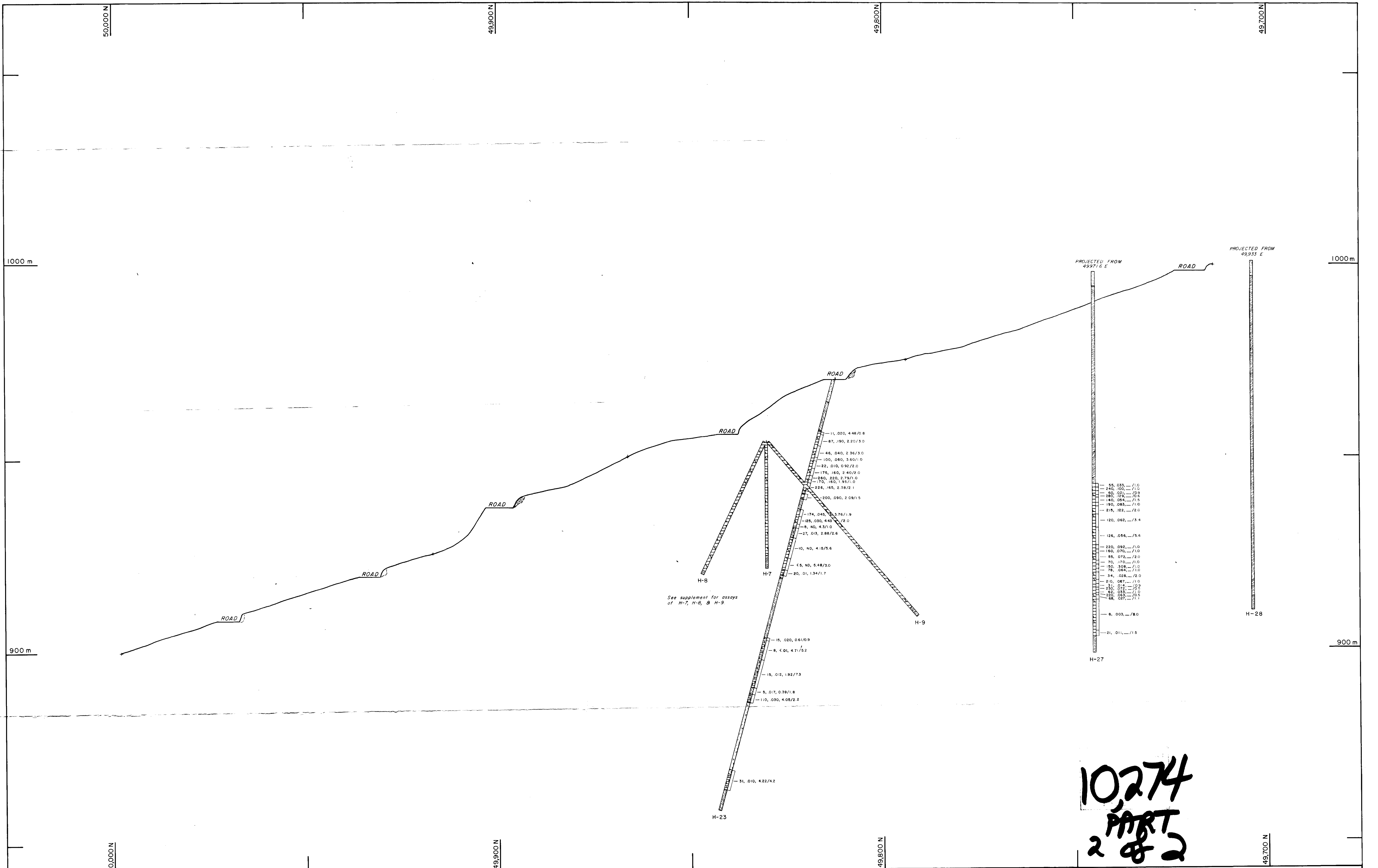
- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNEISS
- OVERRIDEN
- SOVITE
- TRANSITIONAL

1:5000
NORTHING
EASTING
ELEVATION
IN METERS



ANSCHUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION
VERITY AREA
49,900 E
British Columbia, Canada

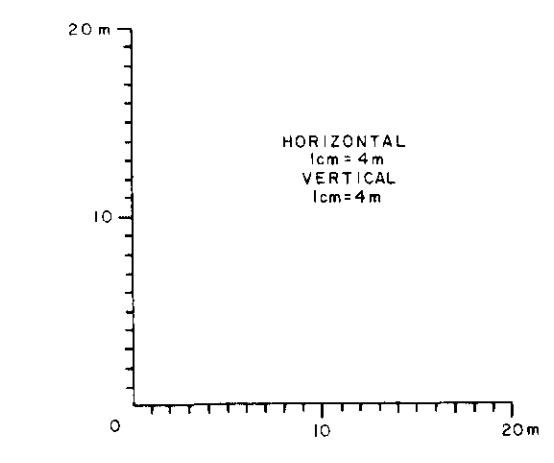


10,274
PART
2 of 2

- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

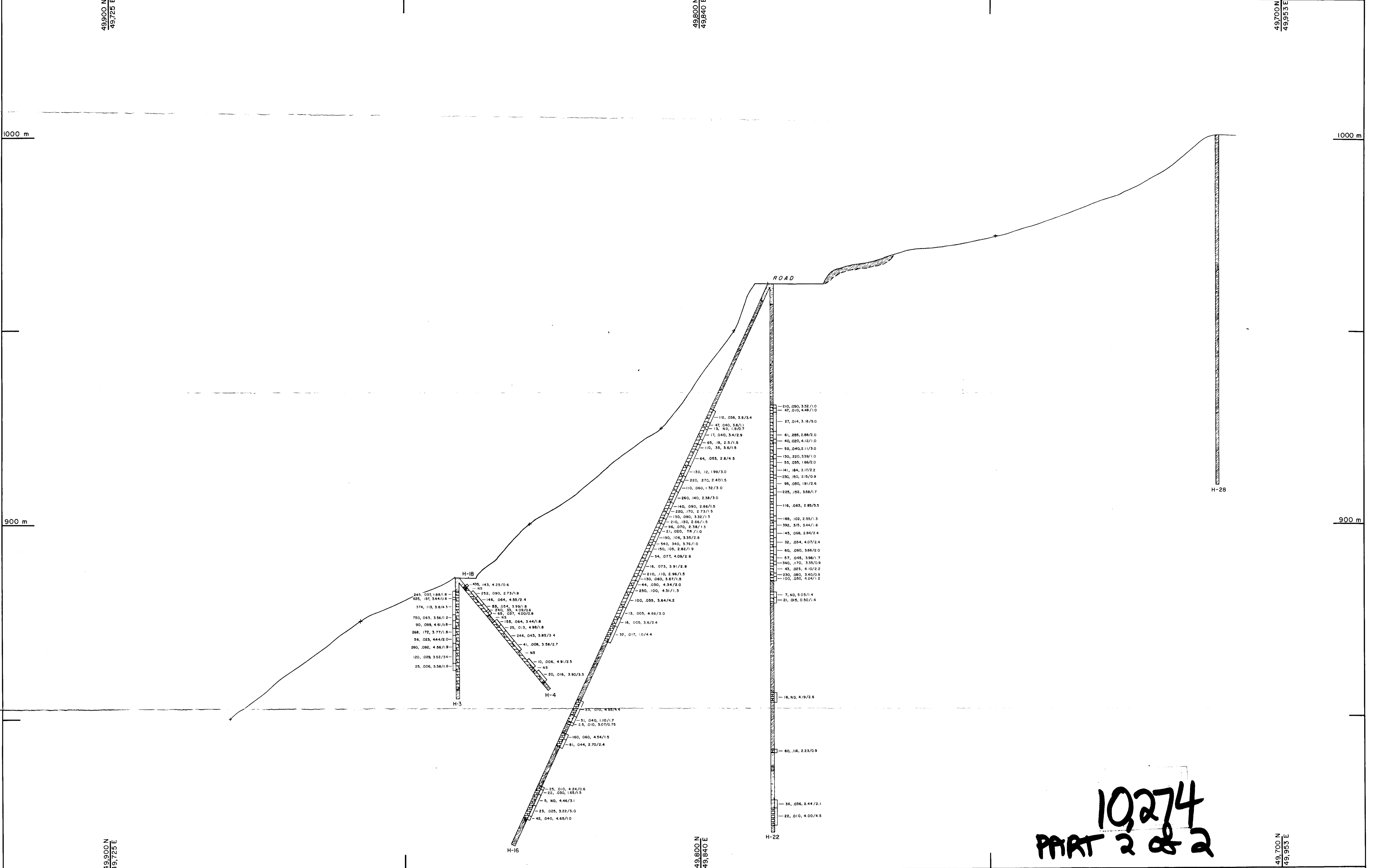
To top
No. of %
P₂O₅ %
Thickness
in meters

NS - No Sample
ND - No Data



ANSCHUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION
VERITY AREA
49,950 E
British Columbia, Canada



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PART 2 of 2

ANSCHUTZ (CANADA) MINING, LTD.

NW-SE CROSS-SECTION
 VERITY AREA
 49,900 N-49,700 N
 N. 45° W.
 British Columbia, Canada



Prepared by
IntraSearch
Denver, Colorado

Date	Author	Revisions
12/81	MSL	INITIAL PLAN
3/82	MSL	REVISED

Project #81170

This map was compiled by photogrammetric methods from 1:20,000 scale aerial photography dated June 13, 1980.

Horizontal and vertical control was established by Anschutz Mining Corporation.

Scale 1:4000

0 40 80 120 160 200 240 280 320 360 meters

LEGEND

- Hard surface road
- Unpaved road
- Trail
- Railroad
- Trees
- Building
- Power transmission pole
- Vertical control point
- Approximate contour
- Photo center
- Hole number
- Diamond drill holes
- Sample locations
- Sample numbers
- Airphoto lineaments, possible faults
- 1:100 sketches of Specimen & Columbite Pits

TOPOGRAPHIC MAP OF THE

VERITY AREA

BLUE RIVER, BRITISH COLUMBIA

Prepared for
Anschutz Mining Corporation
Denver, Colorado

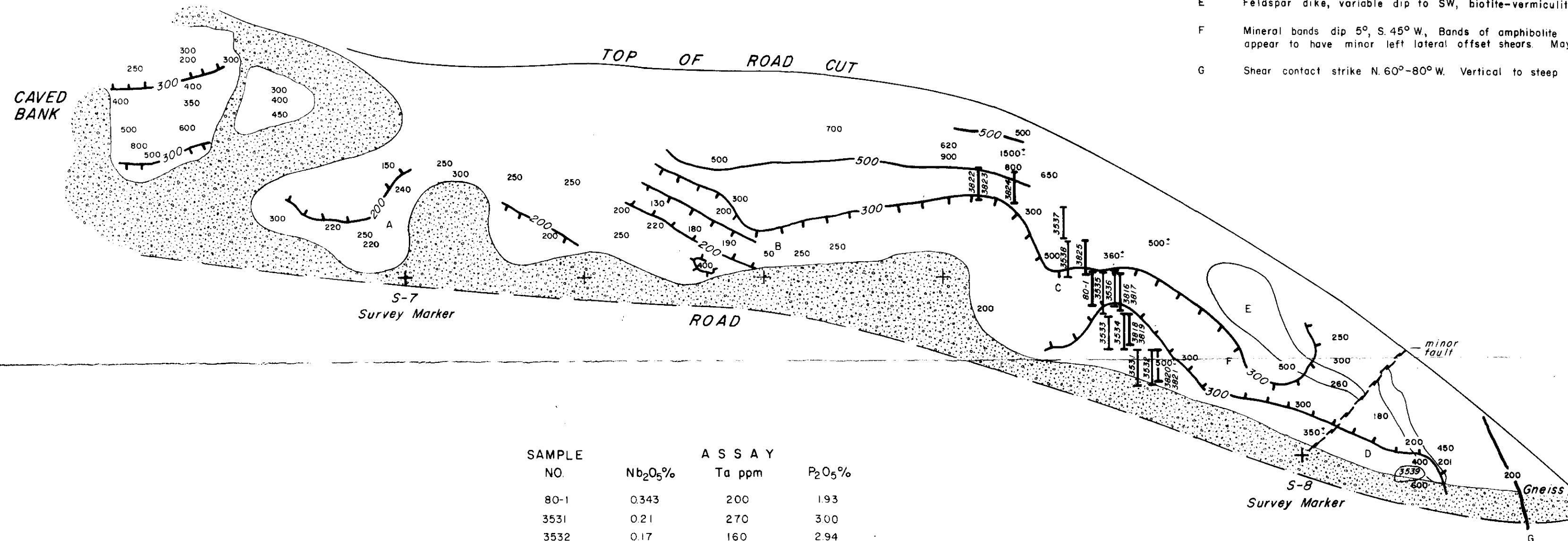
Scale: 1:4000	Date: October 1981	Sheet: 1 of 1
Contour Interval: 10 m		

10274

MAY 2 1982

RADIOMETRIC MAP

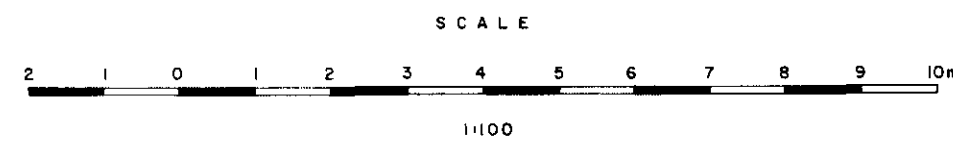
- A Shear surfaces - strike N-S to N. 10° W, dip 70° to 90° W. Slickensides dip 27° N. on surfaces. Befsorsite has a breccia texture, possibly due to faulting. 2-5mm apatite, mineral banding not apparent. Local pyrochlore crystals.
- B Shear surfaces strike E-W, dip 45° N to vertical.
- C Shear surfaces strike N. 10° W, dip 70° W to vertical, some surfaces are curved on their dip. Banding of accessory minerals strike N. 55° W., dip 18° SW.
- D Accessory mineral bands with pyrochlore. Apparent dip 12° to 14° W.
- E Feldspar dike, variable dip to SW, biotite-vermiculite border.
- F Mineral bands dip 5°, S. 45° W, Bands of amphibolite & apatite. Shears, (locally one per cm), appear to have minor left lateral offset shears. May be a result of dike intrusion.
- G Shear contact strike N. 60°-80° W. Vertical to steep N dip.



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PART 2 data

SAMPLE NO	ASSAY		
	Nb ₂ O ₅ %	Ta ppm	P ₂ O ₅ %
80-1	0.343	200	1.93
3531	0.21	270	3.00
3532	0.17	160	2.94
3533	0.16	110	1.35
3534	0.17	120	1.52
3535	0.32	160	2.31
3536	0.29	200	2.74
3537	0.15	140	2.47
3538	0.29	210	2.47
3539	0.18	230	2.77
3816	0.124	110	1.66
3817	0.086	77	0.63
3818	0.094	100	2.32
3819	0.093	75	0.76
3820	0.150	250	3.58
3821	0.067	120	2.95
3822	0.157	200	1.30
3823	0.110	130	1.06
3824	0.066	210	3.13
3825	0.089	89	1.10

3531-3538 CHANNEL SAMPLES
 3539 HIGH GRADE CHIP SAMPLES
 500 RADIOMETRIC CONTOUR c.p.s. (Geometrics Model GR-101A Scintillometer)
 250 LOCAL RADIOMETRIC READINGS c.p.s.



ANSCHUTZ (CANADA) MINING, LTD.

RADIOMETRIC CONTOURS & CHANNEL SAMPLING

VERITY CLAIM

SPECIMEN PIT ROAD CUT

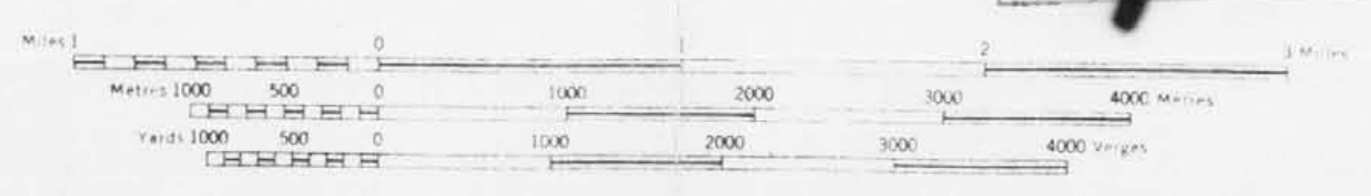
Blue River, British Columbia



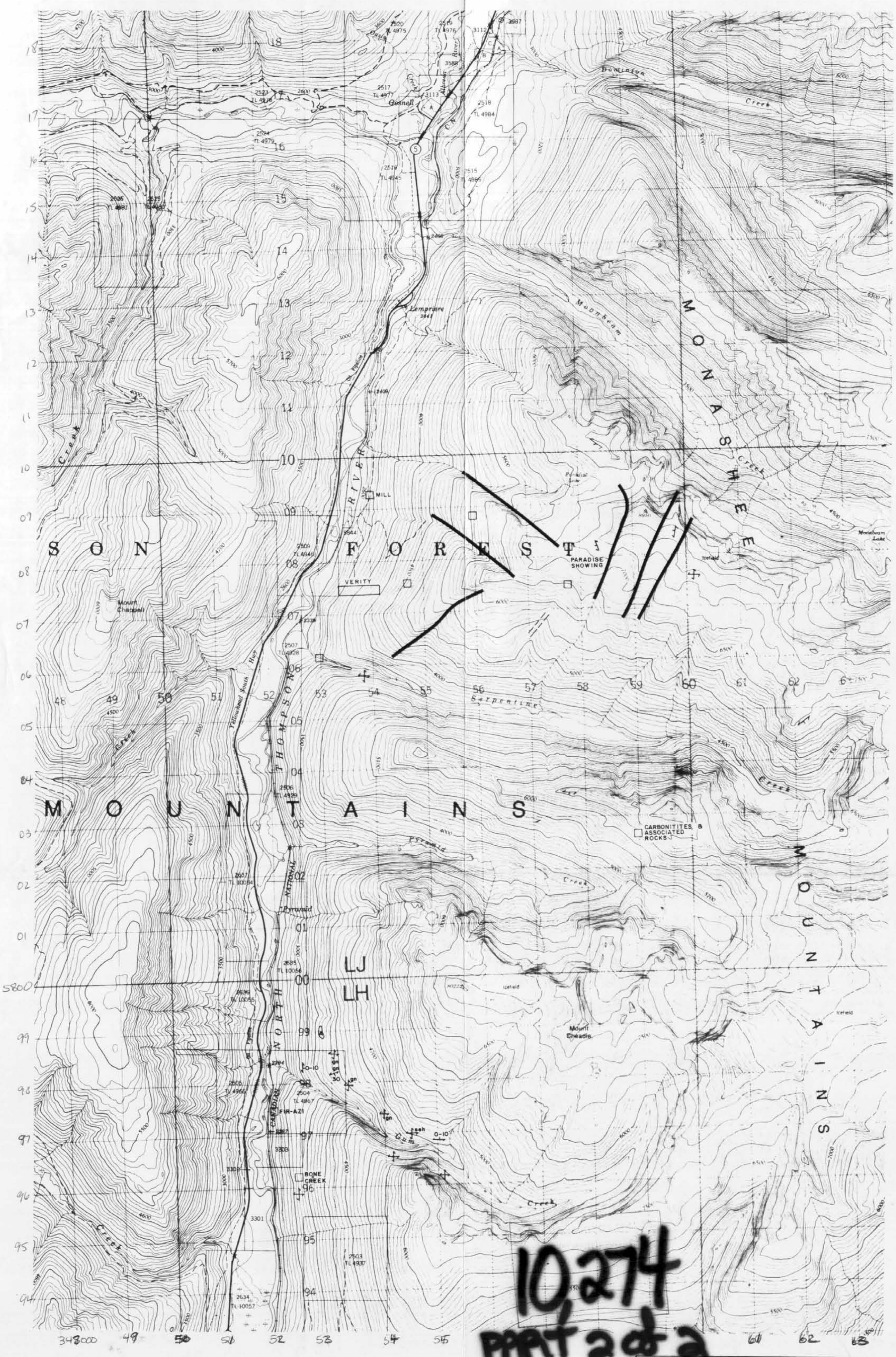
LEMPRIERE
KAMLOOPS DISTRICT
BRITISH COLUMBIA

10274 PART 2 of 2

ANSCHUTZ (CANADA) MINING, LTD.
CLAIM MAP
BLUE RIVER AREA
OUTLINE OF PROPERTIES
British Columbia, Canada



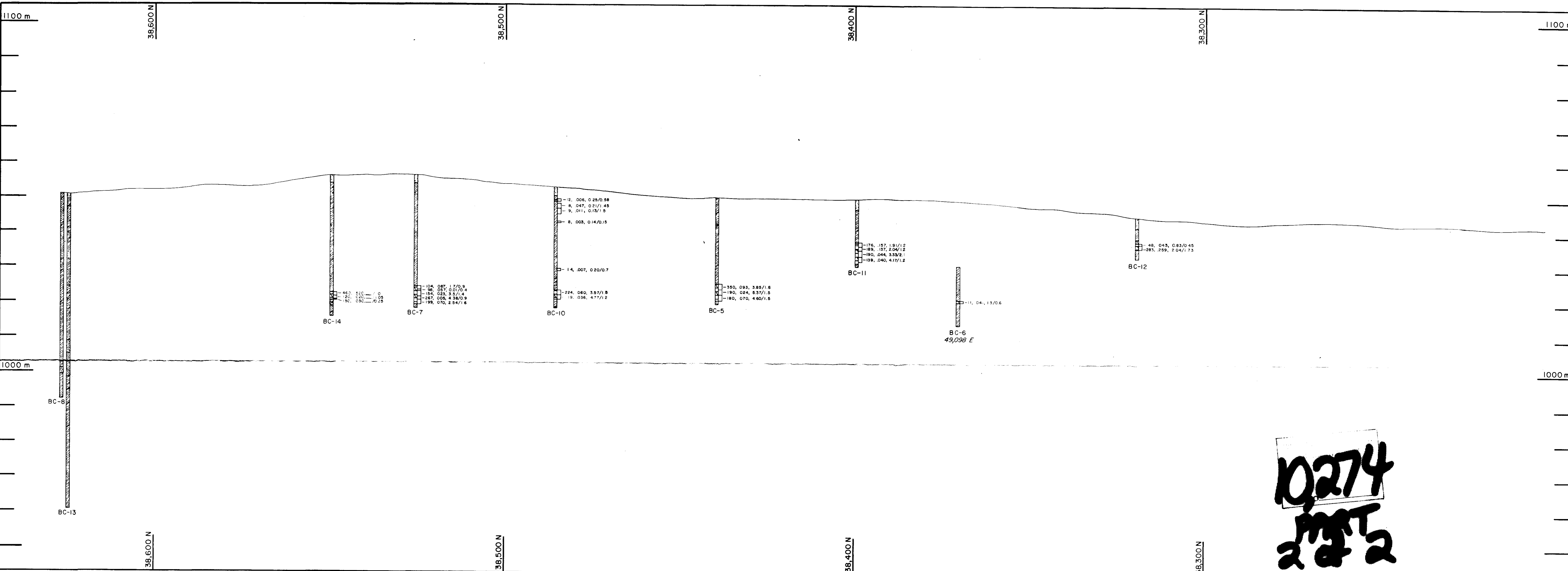
*Claim bounded by dashed lines



SCALE
0 1000 2000m
1:50,000

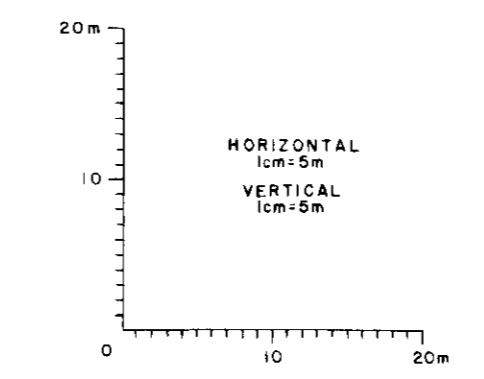


ANSCHUTZ (CANADA) MINING, LTD.
STRUCTURE & CARBONITITE
OCCURRENCES
MAPSHEET 83D/6E
12/81 DEB ccb



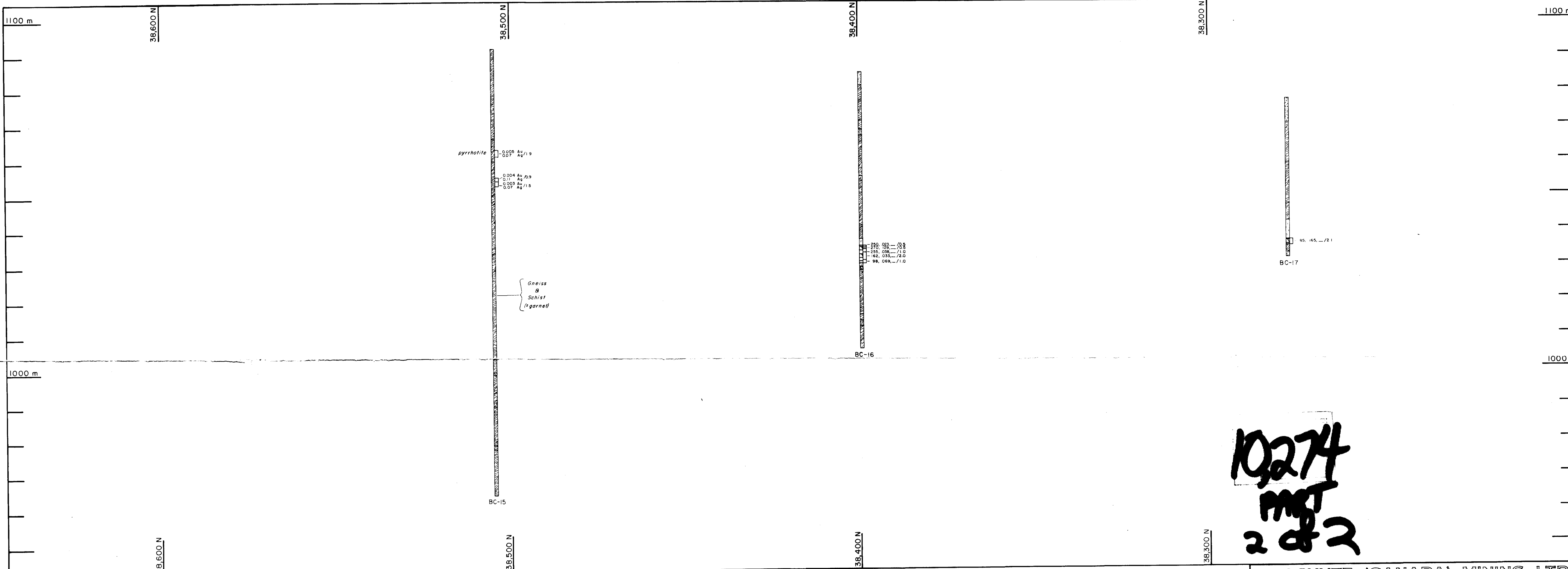
10274
MST
2 of 2

- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNEISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL



ANSCHUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION
BONE CREEK
 POWERLINE ROAD
 49,208 E
 British Columbia, Canada

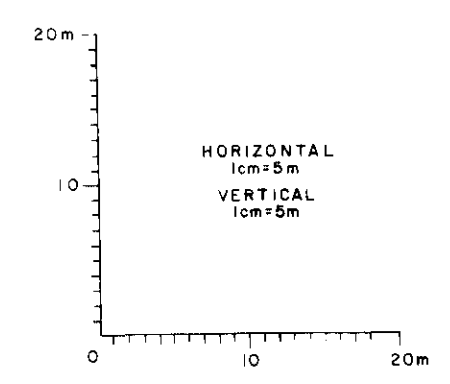


10274
PART
2 of 2

- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNEISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

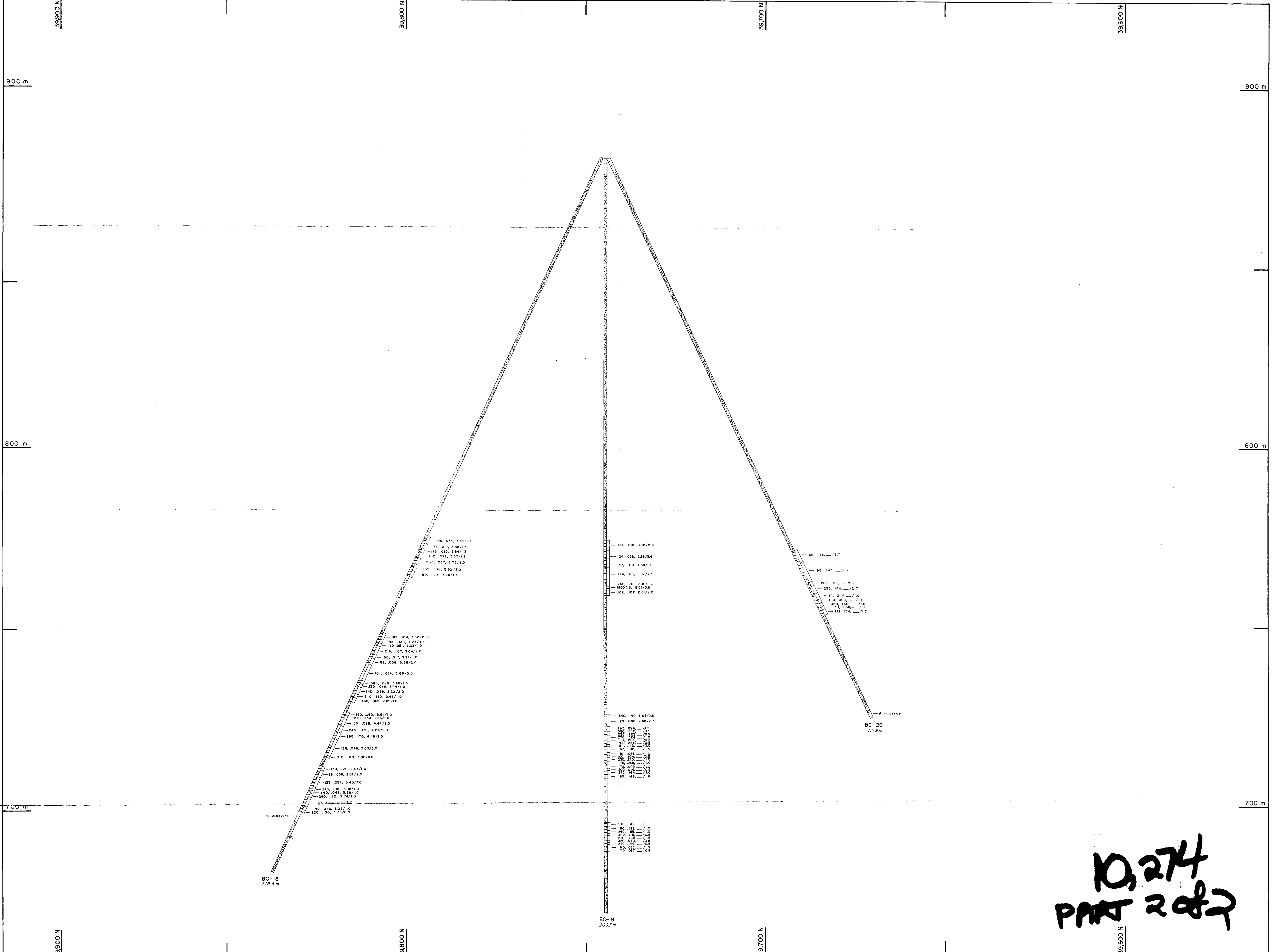
435 — 43.425/0.6
Au ppm —
Ag, Cu % —
Pb, Zn % —
Thickness
in meters

ns-No Sample
nd-No Data



ANSCHUTZ (CANADA) MINING, LTD.

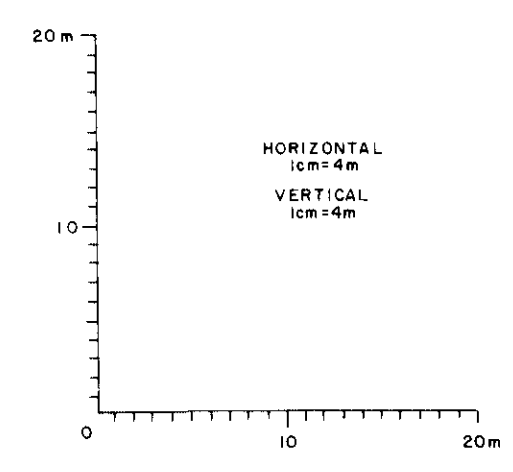
N-S CROSS-SECTION
BONE CREEK
POWERLINE ROAD
49,125 E
British Columbia, Canada



**10,274
PART 2 of 2**

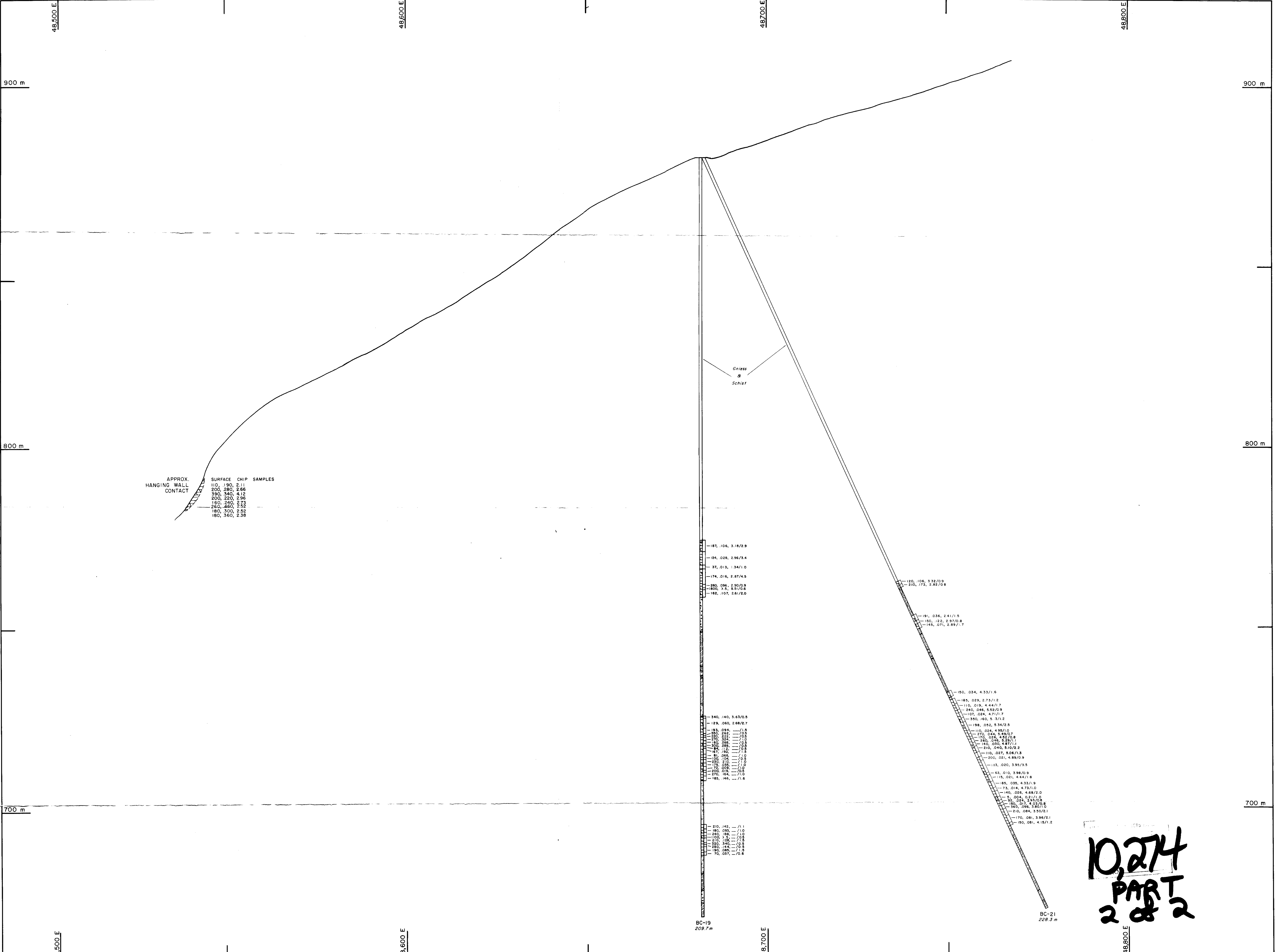
- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNEISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

435, 143, 425/0.6
 To ppm
 Mg, O, %
 Fe, O, %
 in matrix
 NS - No Sample
 ND - No Data



ANSCHUTZ (CANADA) MINING, LTD.

**N-S CROSS-SECTION
 FIR-AZ 1 CLAIMS
 48,680 E
 British Columbia, Canada**



APPROX. HANGING WALL CONTACT

SURFACE CHIP SAMPLES

110, 190, 2.11
200, 280, 2.66
390, 340, 4.12
200, 220, 2.96
180, 260, 2.73
260, 460, 5.52
180, 300, 2.52
180, 360, 2.38

BC-19
209.7m

BC-21
229.3m

187, 106, 3.18/2.9

124, 028, 2.96/3.4

37, 013, 1.34/1.0

174, 016, 2.87/4.5

280, 096, 2.90/0.9

1800, 5.5, 8.51/0.6

182, 107, 2.61/2.0

120, 104, 3.52/0.9

210, 175, 2.82/0.8

191, 034, 2.41/1.5

150, 122, 2.97/0.8

145, 021, 2.89/1.7

150, 034, 4.33/1.6

185, 029, 2.73/1.2

110, 019, 4.44/1.7

240, 046, 0.90/0.9

107, 024, 4.71/1.7

350, 160, 5.31/1.2

198, 052, 5.34/2.5

110, 024, 4.95/1.0

170, 044, 5.89/0.7

170, 026, 4.52/0.8

260, 040, 2.29/1.1

140, 030, 4.87/1.1

210, 040, 5.10/2.2

110, 027, 5.08/1.3

200, 021, 4.89/0.9

15, 020, 3.95/3.5

62, 010, 3.88/0.8

115, 021, 4.44/1.8

185, 055, 4.33/1.9

75, 014, 4.33/1.0

140, 026, 4.68/2.0

5, 004, 3.21/1.0

5, 024, 3.16/0.8

30, 015, 4.10/0.8

340, 046, 5.80/1.5

210, 084, 3.20/2.1

170, 081, 3.96/2.1

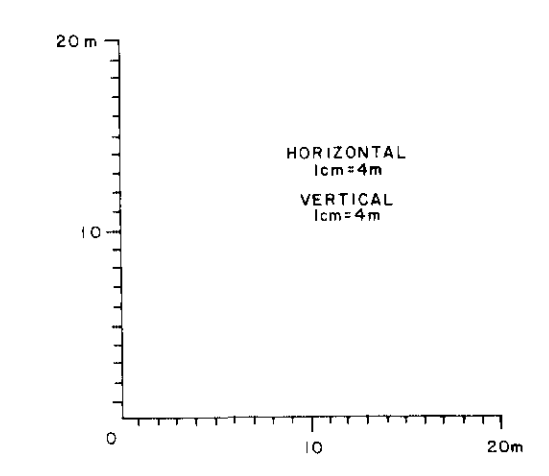
180, 081, 4.15/1.2

10,274
PART
2 of 2

- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

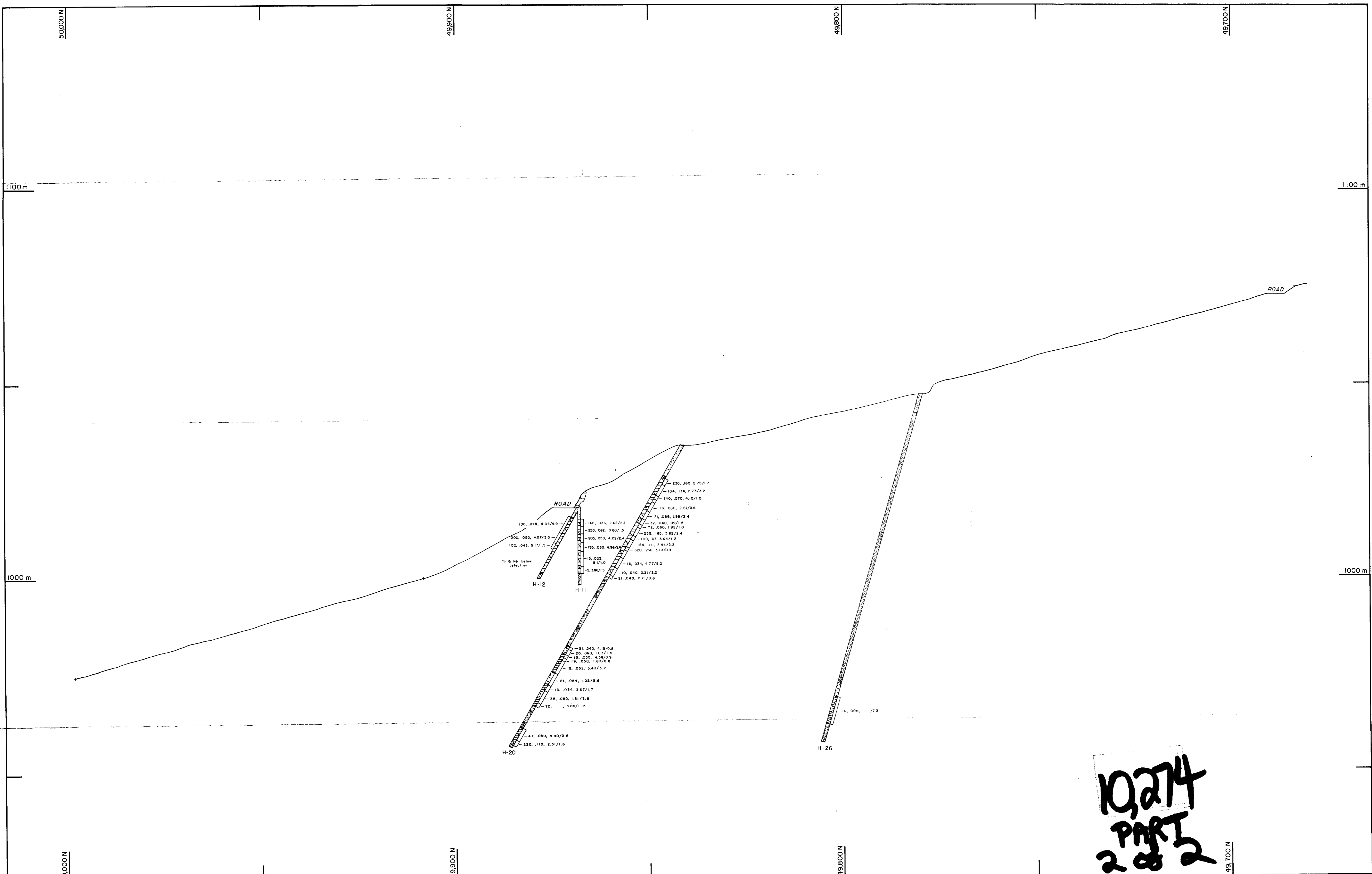
Ta ppm
Nb-Cb, %
Fe-Cb, %
Ti, %
Mn, %

NS - No Sample
ND - No Data



ANSCHUTZ (CANADA) MINING, LTD.

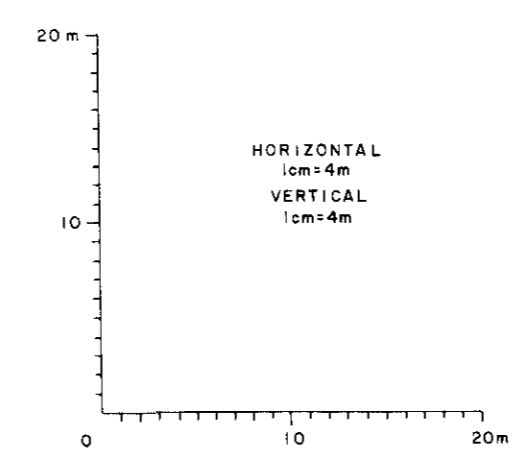
E-W CROSS-SECTION
FIR-AZ 1 CLAIMS
39,741 N
British Columbia, Canada



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PART
2 of 2

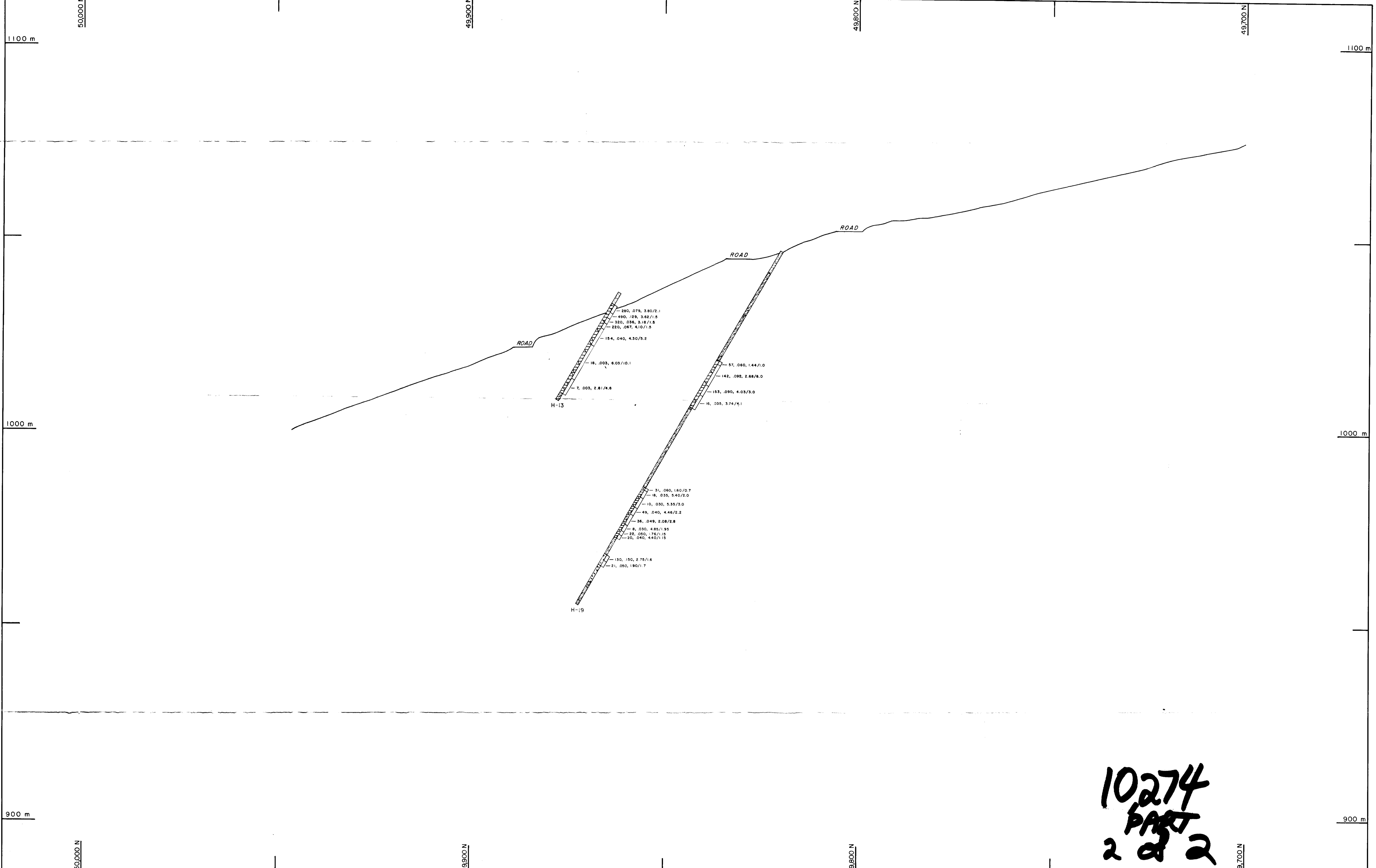
- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

435, 143, 4.25/0.6
 Fe ppm
 Mg, Ca %
 P, S, Cu %
 Thickness
 in meters
 NS - No Sample
 ND - No Data



ANSCUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION
 VERITY AREA
 50,120 E
 British Columbia, Canada



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PART
2 of 2

ANSCHUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION
VERITY AREA

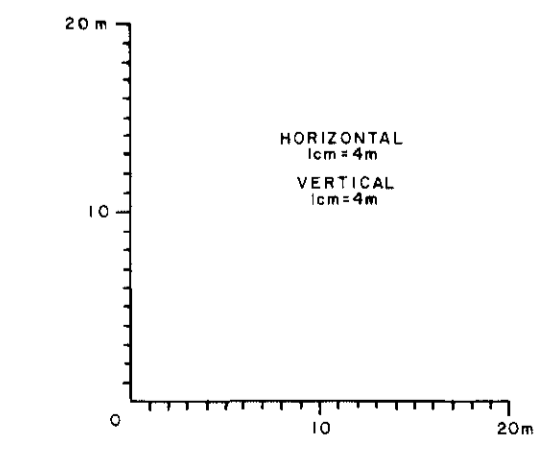
50,150 E

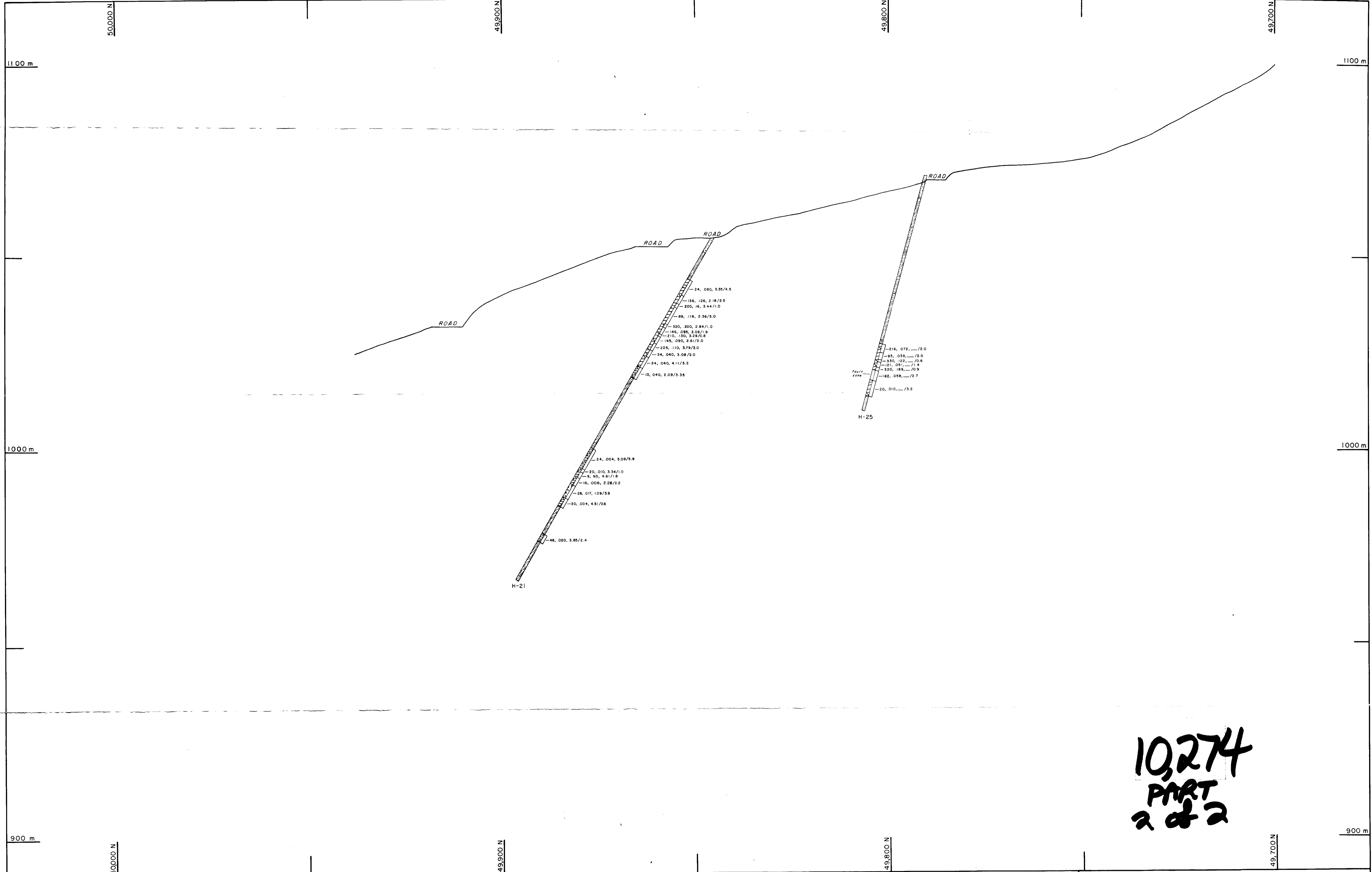
British Columbia, Canada

- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNEISS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

To ppm — 435, 143, 4.25/0.6
 Mg/Ca %
 P₂O₅ %
 Thickness
 in meters

NS - No Sample
 ND - No Data

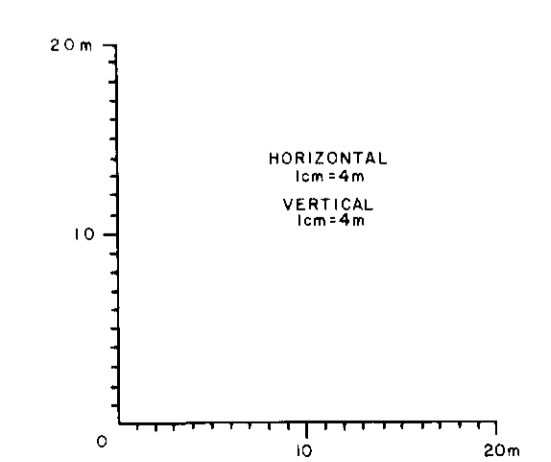




10,274
PART
2 of 2

- AMPHIBOLITE
- BEFORSITE
- FELDSPAR
- GNIESS
- OVERBURDEN
- SOVITE
- TRANSITIONAL

$T_2 \sin \alpha$
 $\frac{W_2 \cos \alpha}{P_2 \cos \alpha}$
 Thickness
 in meters
 NS - No Sample
 No - No Data



ANSCUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION

VERITY AREA

50,200 E

British Columbia, Canada

50,000 N

49,900 N

49,800 N

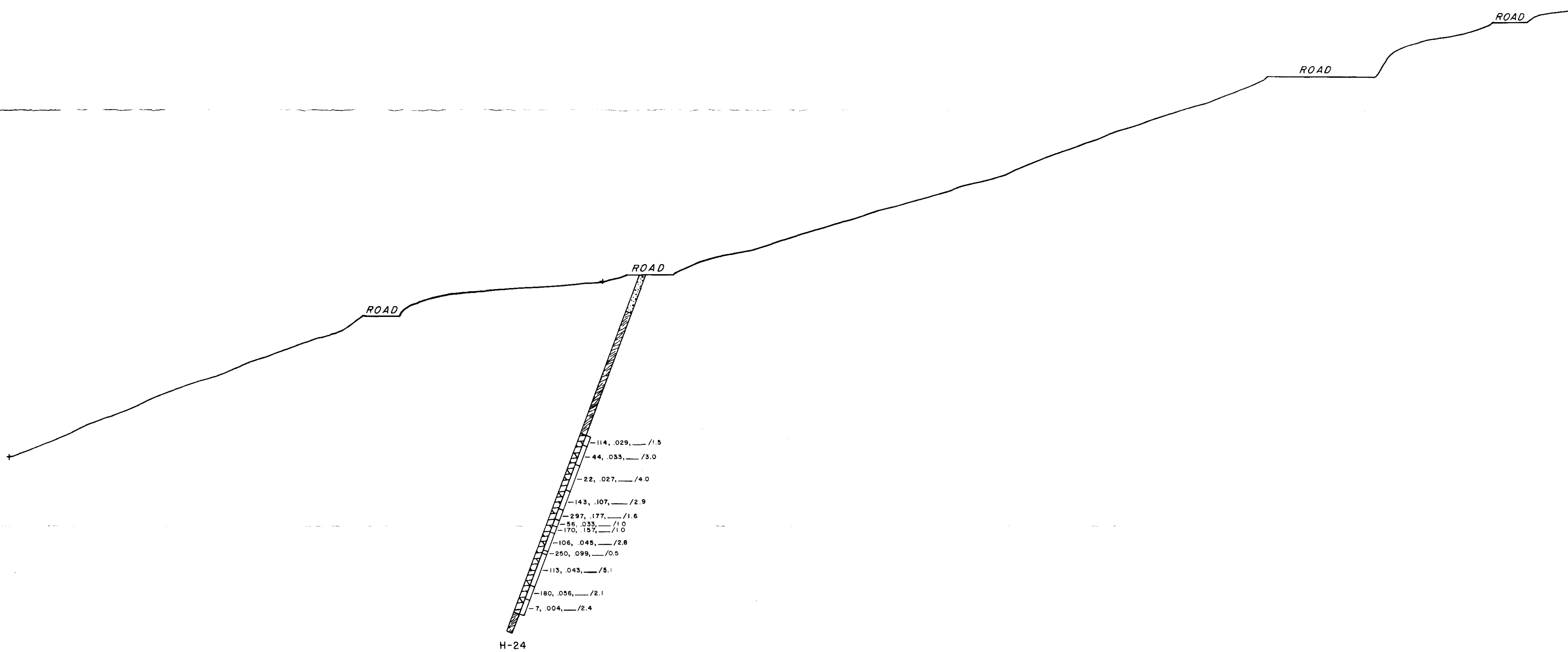
49,700 N

1100 m

1100 m

1000 m

1000 m



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PART
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50,000 N


49,900 N

49,800 N

49,700 N

ANSCHUTZ (CANADA) MINING, LTD.

N-S CROSS-SECTION
VERITY AREA
50,265 E
British Columbia, Canada

- | | |
|---|--|
|  AMPHIBOLITE |  OVERBURDEN |
|  BEFORSITE |  SOVITE |
|  FELDSPAR |  TRANSITIONAL |
|  GNISS | |

435, 143, 429 / 0.6
T₁₀ ppm
Mg₂O %
P₂O₅ %
Zn %
Fe %
NS - No Sample
ND - No Data

