

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,256

FILMED

01/86

GEOCHEMICAL, GEOPHYSICAL AND DIAMOND DRILLING
REPORT ON THE
GROUSE MOUNTAIN Cu-Zn-Ag PROPERTY
LOCATED IN THE
OMINECA MINING DIVISION

N.T.S. 93L/10E
54° 33' N LATITUDE
126° 44' W LONGITUDE

OPERATED BY:

TECK EXPLORATIONS LIMITED
#1100 - 1199 W. HASTINGS ST.
VANCOUVER, B.C. V6E 2K5

OWNED BY:

RAMM VENTURE CORPORATION
#711 - 543 GRANVILLE ST.
VANCOUVER, B.C. V6C 1X8

WRITTEN BY:

PETER PETO, Ph.D.
125 BASSETT ST.
PENTICTON, B.C. V2A 5W1

APRIL, 1985

VANCOUVER, B.C.



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) Geochemical, Geophysical, Diamond Drilling	TOTAL COST \$176,506.84
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AUTHOR(S) Peter Peto, Ph.D. SIGNATURE(S) *W. Meyer*
per W. Meyer, P.Eng., Exploration Mgr.

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED January 8, 1985 YEAR OF WORK 1984

PROPERTY NAME(S) Grouse Mountain Group A 4985

COMMODITIES PRESENT Cu-Zn-Ag

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 251

MINING DIVISION Omineca NTS 93 L/10 E

LATITUDE 54°33'N LONGITUDE 126°44'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Lakeview (Lot 6284); Mayflower (Lot 6471); Copper Crown (Lot 6472); Eureka (Lot 6473); Ruby (Lot 6474); Granview (Lot 6475); Cariboo (Lot 6476); Lower (Lot 6477); Maise (Lot 7254); Grouse Mtn. (20 units); ART (18 units); ART 2 (4 units); NIGEL (12 units);

OWNER(S) TOM 1 (8 units); TOM 2 (4 units)

(1) Arthur J. Magill Ventec Resources Inc.
(2) Frank Warman Wei Thomas Deng

MAILING ADDRESS

#204, 156 Victoria Street Kamloops, B.C., V2C 1Z4	#305, 2055 Pendrell St. Vancouver, B.C., V6G 1T9
#711, 543 Granville Street Vancouver, B.C., V6C 1X8	96 East 22nd Avenue Vancouver, B.C., V5V 1T4

OPERATOR(S) (that is, Company paying for the work)

(1) Ramm Venture Corporation (2)

MAILING ADDRESS

#711, 543 Granville St.
Vancouver, B.C., V6C 1X8

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The property is underlain by mid-Jurassic volcanoclastic sediments of the Smithers Formation and pyroclastic tuffs and breccias of the Telkwa Formation which have been intruded by late Cretaceous granitic rocks correlative to Bulkley Intrusions and syenitic Eocene dykes belonging to Goosly Lake Intrusions. Steep east and northeast trending normal faults provide channelways for quartz-carbonate veins with pyrite, sphalerite and chalcopyrite in discontinuous lenticular pods.

REFERENCES TO PREVIOUS WORK N. Church (1972) B.C.D.M. Gem 1972 pp.397-417. M. Hill and L. Stark (1961) Report on Copper Ridge Silver Mines Ltd., Telkwa, B.C.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground	.....	.....	.....
Photo	.....	.....	.....
GEOPHYSICAL (line-kilometres)			
Ground	.....	.....	.....
Magnetic	.....	.....	.....
Electromagnetic	13.5 line-km	ART, TOM 1, L6472, L6473, L6474, L6284	2,994.19
Induced Polarization	.....	.....	.....
Radiometric	.....	.....	.....
Seismic	.....	.....	.....
Other	.....	.....	.....
Airborne	.....	.....	.....
GEOCHEMICAL (number of samples analysed for)			
Soil	218/Cu-Pb-Zn-Ag-As	Nigel 1	3,996.99
Silt	.....	.....	.....
Rock-chip	22/Cu-Pb-Zn-Ag-Au	Nigel 1	2,217.16
Other	.....	.....	.....
DRILLING (total metres; number of holes, size)			
Core	1896 metres NO. in 19 holes	L6472, L6473, L6474	162,147.65
Non-core	.....	.....	.....
RELATED TECHNICAL			
Sampling/assaying	95 core-samples/Cu-Zn-Ag-Au	.....	2,960.75
Petrographic	.....	.....	.....
Mineralogic	.....	.....	.....
Metallurgic	.....	.....	.....
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)	.....	.....	.....
Topographic (scale, area)	.....	.....	.....
Photogrammetric (scale, area)	.....	.....	.....
Line/grid (kilometres)	.....	.....	.....
Road, local access (kilometres)	5 km	.....	998.84
Trench (metres)	135 metres	Nigel	1,191.26
Underground (metres)	.....	.....	.....
			TOTAL COST 176,506.84

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)	Information Class
Value of work approved	
Value claimed (from statement)	
Value credited to PAC account	
Value debited to PAC account	
Accepted Date	Rept. No.	



SUMMARY

A program of surface exploration and diamond drilling of 1896 metres in 19 holes was carried out on the Grouse Mountain Cu-Zn-Ag property by Teck Explorations Limited on behalf of Ramm Venture Corporation between September 1 and October 20, 1984. Soil sampling has delineated an 800 by 600 metre Cu-Zn anomaly associated with a northeast trending swarm of sphalerite bearing veins and faults. Additional VLF surveying has outlined several short, narrow, widely separated and relatively weak EM conductors.

Diamond drilling tested five (5) mineralized structures within the property. The most significant appears to be the Rainstorm Zone where two drill holes spaced 300 meters apart intersected mineralization in the porous, fragmented volcanics of the Telkwa Formation. Additional diamond drilling will be required to test the grade and extent of this zone.

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INTRODUCTION

An exploration program consisting of grid line extension, soil and rock-chip sampling, VLF-EM surveys, backhoe trenching, road construction and diamond drilling was carried out by Teck Explorations Limited on behalf of Ramm Venture Corporation, from September 1 to October 20, 1984. About 5 km of road was prepared, 135 metres of backhoe trenches were excavated, 13.5 line km of VLF-EM were surveyed and 218 soil and 22 rock-chip samples were collected. A total of 1896 metres of NQ core drilling was completed in 19 holes and 95 core samples were assayed for Cu, Zn, Ag and Au. Contract diamond drilling was carried out by J.T. Thomas of Smithers.

LOCATION AND ACCESS

The Grouse Mountain Cu-Zn-Ag property is situated along the Babine Range on the east side of the Bulkley River Valley near Quick, B.C. (Figure 1). The claims are accessed via Highway 16 and thereafter by 4x4 road to Coppermine and North Lakes, a distance of about 40 km from Smithers. The claims cover the western portion of Grouse Mountain.

PROPERTY

The claim block consists of a nucleus of 9 crown granted mineral claims surrounded by six contiguous claims comprising a total of 66 units as shown in Figure 2 listed in Table I.

TABLE 1

Grouse Mountain Property, 93L/10E, Omineca M.D.

<u>Claim Name</u>	<u>Record Number</u>	<u>Type</u>	<u>Anniversary</u>
Lakeview	L. 6284	Crown Grant	2 July
Mayflower	L. 6471	Crown Grant	2 July
Copper Crown	L. 6472	Crown Grant	2 July
Eureka	L. 6473	Crown Grant	2 July
Ruby	L. 6474	Crown Grant	2 July
Grandview	L. 6475	Crown Grant	2 July
Cariboo	L. 6476	Crown Grant	2 July
Lower	L. 6477	Crown Grant	2 July
Maisie	L. 7254	Crown Grant	2 July
Grouse Mnt.	2561	20 Units	7 March
Art	4522	18 Units	8 January
Art 2	4523	4 Units	8 January
Nigel	5071	12 Units	7 March
Tom 1	5722	8 Units	25 August
Tom 2	5723	4 Units	25 August

PROPERTY GEOLOGY

The property is underlain by Middle Jurassic volcanoclastic sediments which are correlative with the Smithers Formation and Lower Jurassic variegated pyroclastic tuffs and breccias belonging to the Telkwa Formation. Together they comprise a portion of the Hazelton Group which have been intruded by Late Cretaceous granitic rocks correlative with the Bulkley Intrusions and by syenitic Eocene dykes belonging to the Goosly Lake Intrusions. The area is cut by a number of steep normal faults which provided channelways for the deposition of numerous mesothermal, Cu-Zn-Ag, quartz-carbonate veins, the most notable of which are known as the "Ruby" and "Copper Crown" Zones. However, several other east and northeast trending mineralized structures have been discovered (Peto, 1984) and these have now been further explored.

In general, mineralized zones consist of pyrite, sphalerite and chalcopyrite with associated silver values. These are accompanied by quartz-carbonate gangue and by narrow chloritic, pyritic and argillic

alteration envelopes in volcanoclastic host rocks. Mineralization is largely confined to fault zones as discontinuous lenticular fissure fillings or replacement pods, usually less than 1.5 metres, and more commonly 0.5 to 1.0 metres in thickness. Sulphides may also occur as coalescing fractures or veinlets, 1 to 10 mm in thickness, which form crackle breccias that may locally attain widths in excess of 2 to 3 metres.

At present there are at least eight mineralized zones within the area presently surveyed. These are the "Ruby", "Copper Crown", "Lakeview", "Eureka", "Rainstorm", "Creek", "Schorn", and "Nigel" zones. In addition, there are several smaller mineralized fissures. Church (1972) speculated that the mineralization could emanate from a deeply buried porphyry intrusive. Recent work has confirmed the presence of porphyry Cu + Zn ± Mo mineralization in highly altered granite dykes on the Nigel, Art 2 claims, in DDH #19 and at the Mineral Hill moly prospect to the immediate south of the claim block.

The present work has further clarified the stratigraphic succession. From youngest to oldest, the sequence within the surveyed area is as follows.

Unit 3: Thinly bedded to laminated, black and grey, pyritic tuffaceous argillites.

Unit 2: Greyish-green to green or grey, tuffaceous (crystal-lithic) graywackes and sharpstone breccias with intercalated siltstones and minor pale green mudstones.

Unit 1: Green, fine grained, schistose, ash-tuff grading into marron, fine to medium grained lapilli tuff, with intercalated reefoid limestone lenses.

Mineralized fault zones which are narrowly altered and mineralized in the relatively tight and impermeable volcanoclastic sediments of the Smithers Formation (Units 2 and 3) become broader and more pervasively mineralized in the underlying, less competent and more porous pyroclastics of the

Telkwa Formation (Unit 1). It is suggested that the Telkwa Formation may be mineralized with Cu-Zn sulphides near a porphyry intrusion overlain by the relatively impermeable Smithers Formation.

GEOCHEMICAL SURVEY

The previous geochemical survey was augmented by additional soil sampling to the north and northwest and fill-in sampling was undertaken to follow up anomalous samples collected previously from the Nigel, Art 2 and Grouse Mountain claims. Soils were collected at 25 metre interval, from the rusty 'B' horizon by means of a mattock, and placed into kraft paper bags. These were shipped to Acme Analytical Laboratories Ltd. for I.C.P. determination of Cu, Pb, Zn, Ag and As. The procedure consists of taking a 0.5 gm sample of the -80 mesh soil fraction, digesting it in 3 mls. of aqua regia for 1 hour at 95°. Analytical results for Cu and Zn are shown in Figures 3 to 7.

A large zinc soil anomaly, as arbitrarily defined by the 700 ppm contour, occupies an area measuring some 800 metres in length and 600 to 100 metres in width over the Rainstorm and Creek Zones (Figure 3). Zinc concentrations in excess of 5000 ppm, usually with anomalous concentrations of Cu, Pb and Ag, are widely dispersed suggesting proximity to several separate mineralized zones. Copper anomalies, as defined by the 100 ppm contour, occur at the west end of the Creek Zone and to the north of the Rainstorm Zone (Figure 4). Diamond drill holes #15 and #19 indicate that Cu-Zn soil anomalies may be attributed to northeast-trending, north-dipping, chalcopyrite - sphalerite bearing fissure veins and crackle breccia zones.

Backhoe trenching of soil anomalies was attempted with limited success due to inaccessible terrain and prohibitively deep overburden. Those trenches which were successful in exposing mineralization in addition to old prospect pits were sampled and assay results are shown in Figure 11. At least four distinct NE trending veins, dipping 20°N to 65°N, have been confirmed thus far.

Preliminary soil and rock chip sampling along lines 12.5E to 14.5E on the Nigel claim has confirmed the presence of yet another NE mineralized fault zone and porphyry Cu-Au mineralization associated with altered felsic dykes intruding thinly bedded argillites. Analytical results are shown in Figure 5. Several open cuts, formerly documented as the "Solo" showing (B.C.D.M. 1926, p.35), have yielded interesting base metal grades with marginally higher gold values. Anomalous soils were encountered on line 12.5E, on either side of a granite dyke, and probably reflects mineralization derived from the dyke.

Resampling of several soil samples taken from the Art 2 claim has indicated that high Zn and Ag values were due to high organic contents in boggy soils. However a small Cu-Ag anomaly was confirmed to occur on line 0 at 100E in soils adjacent to a highly altered north trending, granite dyke (Figure 6) which is presumably the northern extension of the Cu-Mo porphyry occurrence on the adjacent Mineral Hill claim block.

Additional fill-in sampling along the base line near the northwest corner of the Grouse Mountain claim has confirmed the presence of a narrow, NE trending soil anomaly (Figure 7) underlain by tuffaceous greywackes and probably represents the SW extension of one of the Rainstorm, sphalerite-bearing vein structures. Unfortunately the structure could not be detected by VLF survey.

VLF-EM SURVEY

Since previous VLF surveys proved to be successful in delineating sulphide bearing structures, additional VLF surveys were undertaken to enlarge the existing grid as shown in Figure 8. A CRONE RADEM instrument, tuned to the transmitting station at Lualualei, Hawaii (23.4 Kc), was used to carry out the survey. Several narrow and weak VLF conductors were outlined in the vicinity of the Creek, Rainstorm and Lakeview zones, east of North Lake and to the southeast of Coppermine Lake.

A preliminary VLF orientation survey was also carried out over the Nigel showing and the results are shown in Figure 9. A broad, NE trending conductor some 200 metres in length coincides with a zone of known mineralization which was subsequently tested by two short drill holes.

DIAMOND DRILL PROGRAM

A program of exploratory diamond drilling was undertaken to test the various VLF-EM conductors, self-potential and soil anomalies which were previously delineated. The drilling was contracted to J.T. Thomas Diamond Drilling (1980) Ltd. located in Smithers, B.C. A total of 6220 feet (1895.9 m) of NQ core was obtained from 19 holes between 21 September to 20 October 1984. Drill hole logs and cross-sections with assay results are included in Appendix 2. Drill core is held in storage by J. Hutter, R.R. 1, Quick, B.C. Drill hole locations with subsurface vein intercepts are shown in Figure 10.

CONCLUSIONS AND RECOMMENDATIONS

The conclusions are drawn from the above exploration program are as follows:

- (1) A broad Cu-Zn soil anomaly covering the Rainstorm Zone, measuring some 800 x 600 metres is due to a northeast trending swarm of sphalerite-rich fault zones and fissure veins.
- (2) Mineralized faults, which comprise the Rainstorm Zone, widen abruptly from about 0.5 - 1 metres in the Smithers Formation to 10 to 20 metres in the underlying Telkwa Formation.
- (3) The Creek Zone carries Cu-Zn mineralization along a fault zone trending N65°E/80°N which could intersect the Rainstorm Zone beneath a shallow feldspar porphyry dyke at about 6.5W-300N.

- (4) The "Ruby Extension" Zone (Borovic, 1984), centred on the Copper Crown shaft, represents a concentration of mineralized fractures and veins due to the common intersection of the Ruby and Copper Crown Zones. This zone should plunge steeply to the northwest.
- (5) Drilling has confirmed the presence of highly altered granite dykes which carry Cu-Zn quartz veinlets. It is likely that the various mineralized structures are peripheral to an underlying mineralized intrusion at depth in the SW portion of the ART claim.
- (6) Extension of the previous VLF grid, now covering some 2.5 square km around Coppermine and Northlakes, has delineated several weak conductors not comparable to those associated with the Ruby, Copper Crown, Eureka and Creek Zones.
- (7) A significant tonnage of low grade Cu-Zn-Ag mineralization occurs in at least 5 cogenetic structures as summarized in Table 2.

TABLE 2: Mineralized Zones, Grouse Mountain Property

<u>Zone</u>	<u>%Cu</u>	<u>%Zn</u>	<u>oz/t Ag</u>	<u>Length⁽²⁾</u>	<u>Depth⁽³⁾</u>
Ruby ⁽¹⁾	0.32	4.35	0.75	300	60
Copper Crown	0.58	0.18	0.31	440	60
Eureka	1.06	0.06	0.74	690	70
Creek	0.51	0.52	0.65	665	55
Rainstorm Zone 5	0.67	1.90	0.67	300	160
Rainstorm Zone 4	0.16	4.20	0.42	300	160
Rainstorm Zone 3	0.29	5.92	1.13	300	80
Rainstorm Zone 2	0.13	2.10	0.17	300	70
Rainstorm Zone 1	0.17	3.13	0.39	300	60

NOTES:

- (1) Hill & Stark (1961)
- (2) drill indicated strike length (metres)
- (3) drilled depth (metres)

It is estimated that an additional 1,800 meters of diamond drilling will be required to test the grade and extent of mineralization in the Rainstorm Zone and its western extension as shown on Figure 10. The drill holes should be located to intersect the mineralized zone in the Telkewa Formation. The overall cost of this program is estimated at \$100 per meter or \$180,000.

References cited

Borovic, I. (1984) Report on the Mineral Exploration of the Copperhill property: Ramm Venture Corp; 15 January, 56 p.

Church, N. (1972) Geology of Grouse Mountain area, Omineca Mining Division: B.C.D.M. GEM 1972, p.397-417.

Hill M. and Stark, L. (1961) Report on Copper Ridge Silver Mines Ltd., Telkwa, B.C.

Peto, P. (1984) Geological, Geophysical and Geochemical Report on the Grouse Mountain Property: Teck Corp. - Ramm Venture Corp., August 1984, 26 p.

Itemized Cost Statement

Peter Peto, Ph.D. P.eng, Contract Geologist

Sept. 1-30 incl.	
30 days @ 220.00	\$ 6,600.00
Oct. 1-20 incl., 23,24,26,27,29,30,31	
27 days @ 220.00	5,940.00
Nov. 1,2,4,5,6,7,8,15,16	
9 days @ 220.00	<u>1,980.00</u>
	14,520.00

Jim Hutter, Geological Assistant

Sept. 5,6,7,9,10,11,15,27,28,29	
10 days @ 165.00	1,650.00
Oct. 1-7 incl., 9,10,11,12,14,16,20	
14 days @ 165.00	<u>2,310.00</u>
	3,960.00

Diamond Drilling
Constructor; J. Thomas
Diamond Drilling, Smithers, B.C.

Sept. 21 to Oct. 20	<u>141,188.30</u>
---------------------	-------------------

Road construction/Backhoe trending

R & D Oct.	<u>693.00</u>
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Laboratory Cost

218 soil samples l.c.p. analyses (Cu-Pb-Zn-Ag-As) @ \$9.60	1,002.80
22 rock chip assays (Cu-Zn-Ag-Au) @ \$32.73	720.06
20 drill core assays (Cu-Zn-Ag) @ \$25.30	506.00
75 drill core assays (Cu-Zn-Au-Au) @ \$32.73	<u>2,454.75</u>

Accommodation/Meals	<u>4,683.61</u>
---------------------	-----------------

74 man days @ \$57.24	<u>4,235.76</u>
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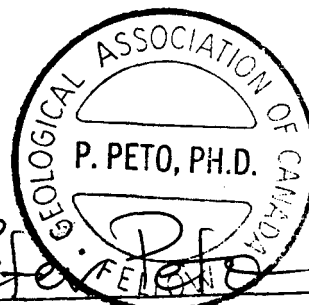
Travel expenses		
Sept.		\$ 1,409.77
Oct.		<u>26.67</u>
		1,436.44
Gasoline/vehicle service		
Sept.		251.50
Oct.		712.61
Nov.		<u>753.89</u>
		1,718.00
Communication		
Sept.		22.05
Oct.		<u>7.33</u>
		29.38
Field Supplies		
Sept.		111.45
Oct.		118.27
Nov.		<u>357.21</u>
		586.93
Drafting		
Sept.		22.00
Oct.		514.07
Nov.		2,743.31
Dec.		<u>176.04</u>
		3,455.42
	Grand Total	<u>176,506.84</u>

APPENDIX 1

STATEMENT OF QUALIFICATIONS

I, Peter S. Peto, of the City of Penticton, DO HEREBY CERTIFY THAT:

- (1) I am a consulting exploration geologist, with a home and business address of 125 Bassett Street, Penticton, B.C., V2A 5W1.
- (2) I obtained B.Sc. and M.Sc. degrees in geology from the University of Alberta in 1968 and 1970 respectively and my Ph.D. in geology from the University of Manchester in 1975.
- (3) I am a member in good standing, of the Geological Association of Canada.
- (4) This report is based on my personal supervision of the field work described in this report and from literature references cited.
- (5) I have written this report as a temporary contract employee of TECK CORPORATION and that I do not have any interest in, nor do I expect to receive any, in the securities of RAMM VENTURE CORPORATION.
- (6) I grant permission to Ramm Venture Corporation to use this report to satisfy the requirements of the B.C. Securities Commission and/or Vancouver Stock Exchange.



PETER PETO, PH.D., F.G.S.C.

APPENDIX 2

DRILL HOLE LOGS AND CROSS SECTIONS

DDH #84 -1

180°

350N

325 N

300 N

275 N

APPROX
VLF X/O
↓

ELEVATION (m)

1490 -

1470 -

1450 -

1430 -

1410 -

SAMPLE	%Cu	%Pb	%Zn	Ag (oz/T)	Au (oz/T)	Width(m)
21360 :	4.99	0.01	0.02	1.46	0.001	1.2

21359 :	2.11	0.01	0.04	1.89	0.017	1.35
21808 :	1.48	-	0.04	1.19	0.009	2.0

Wt. Av. : 1.40 - 0.04 1.43 1.3
(oz/T)

INTERVAL	SAMPLE	%Cu	%Pb	%Zn	Ag	Au	Width(m)
34.1-35.1m	21812 :	0.01	-	0.05	0.06	0.001	1.0
35.1-35.7	21813 :	0.11	-	0.05	0.12	0.001	0.6
35.7-36.7	21814 :	0.04	-	0.04	0.02	0.001	1.0

Collar

46°

Open Cut

Stripped Area

70°

Trench

qtz - cp
veins

tuffaceous
greywacke

massive pyrite

qtz+carb+py+cp vein

Alteration envelope

56.1m

TECK CORPORATION

RAMM VENTURE CORPORATION

**DRILLHOLE SECTION
DDH# 84-1 (L7E-346N)**

Compiled : P. PETO

Scale -1: 500

Date : NOV '84

PROPERTY House Mountain
 DRILL HOLE NO. 84-1
 DRILL TYPE NQWL
 DATES 21-22 Sept 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L7E-346N
 ELEVATION 1470m
 BEARING 180°
 DIP -46°

LENGTH 184 ft 56.1m
 % RECOVERY 95
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	2.4	2.4	CASING				
	2.4	8.6		fractured tuffaceous greywacke				
	8.6	8.9		stz-carb-chalcopyrite vein 45° N.C.A.				
	8.9	10.3		greywacke				
	10.3	10.4		stz-chalcopyrite vein				
	10.4	29.7		greywacke ± clay shears @ 25.7, 26.7, 26.6-27.85, 28.9-29.1m.				
	29.7	31.7		fault zone, bedded greywacke, 30.1 to 32.8				
	31.7	31.9		massive quartzite ss bedded				
	31.9	34.1		altered hanging wall greywacke				
21812	34.1	35.1	1.0	py+carb+stz-altn in sheared w.f.g.	0.001	0.06	0.01	0.05
21813	35.1	35.7	0.6	py+stz-altn in greywacke ± py+stz	0.001	0.12	0.11	0.05
21814	35.7	36.7	1.0	py+stz-altn in greywacke	0.001	0.02	0.01	0.04
	36.7	46.0		altered greywacke				
	46.0	49.9		" " ± diss quartz, bedding 30° N.C.A.				
	49.9	56.1		tuffaceous greywacke, shears @ 50.3, 51.5-52.0, 53.8-54, 55.1-55.3m.				
				END OF HOLE				

DDH # 84 - 2

160° →

300 N

275 N

250 N

225 N

SAMPLE	% Cu	% Pb	% Zn	Ag (oz/T)	Au (oz/T)	Width (m)
21356	0.07	0.08	0.33	0.20	0.001	1.45

ELEVATION (m)

SAMPLE	% Cu	% Zn	Ag (oz/T)	Au (oz/T)	Width (m)	
21.5 - 22.5	21815 : 0.01	—	0.04	0.01	0.001	1.0
22.5 - 23.5	21816 : 3.10	—	0.03	1.21	0.001	1.0
23.5 - 26.0	21817 : 0.12	—	0.01	0.14	0.001	2.5
26.0 - 27.0	21818 : 0.01	—	0.02	0.01	0.001	1.0
29.2 - 30.2	21819 : 0.01	—	0.02	0.05	0.001	1.0

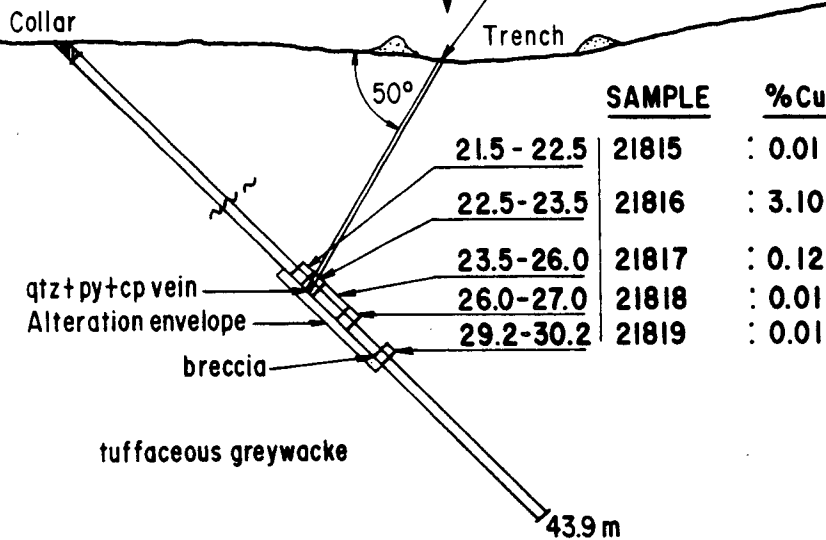
- 1478

- 1470

- 1460

- 1450

- 1440



Wt. Av.

0.71 — 0.11 0.37 1.65

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH # 84-2 (L5.5E - 300N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

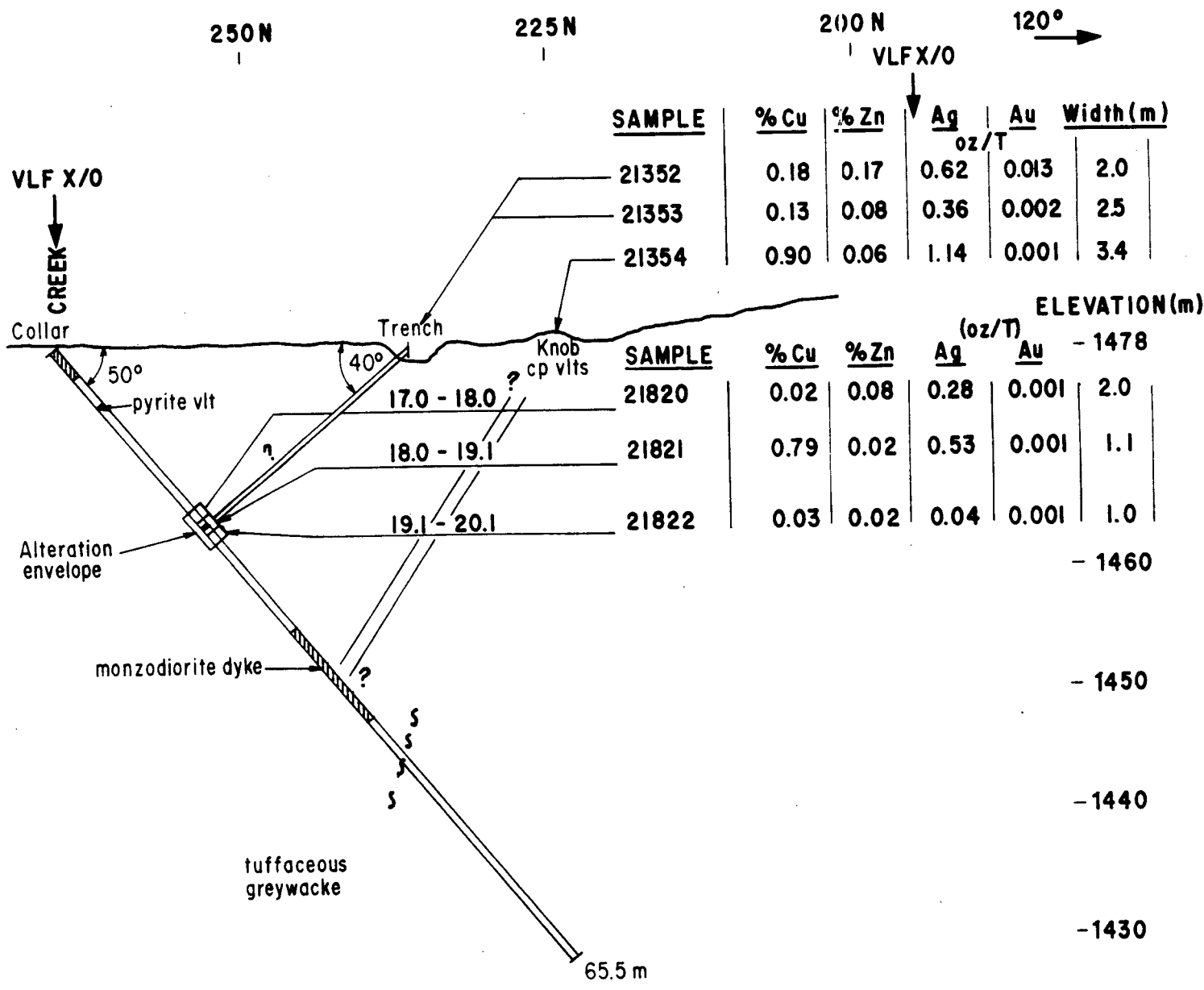
PROPERTY GROUSE Mountain
 DRILL HOLE NO. 84-2
 DRILL TYPE NQWL
 DATES 22-23 Sept 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L5.5E-300N
 ELEVATION 4850 ft
 BEARING 160°
 DIP -45°

LENGTH 1414 ft = 43.9m
 % RECOVERY 97
 LOGGED BY P. Peto
 PAGE / OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	1.2	1.2	CASING				
	1.2	15.2	14.0	dark green, sulfidaceous greywacke, bedding 60-40° N.C.A. fossiliferous, st ₃ -carb vls.				
	15.2	18.6	3.4	greywacke ± st ₃ -carb. py-sph shear 40° NCA @ 15.2-15.3m				
	18.6	21.5	2.9	bleached greywacke, pale green, shear 40° NCA @ 18.6-18.9m				
21815	21.5	22.5	1.0	fault zone, clay gouge 21.0-21.3, ^{1cm} py vein @ 22.6m	0.001	0.01	0.01	0.04
21816	22.5	23.5	1.0	altered greywacke st ₃ +cp+py breccia	0.001	1.21	3.10	0.03
21817	23.5	26.0	2.5	altered brecciated footwall, chl-cla. alt ⁿ chalen vls @ 24.2-24.35m, 24.46, 24.51.	0.001	0.14	0.12	0.01
21818	26.0	27.0	1.0	altered & brecciated footwall greywacke	0.001	0.01	0.01	0.02
	27.0	29.2	2.2	altered greywacke				
21819	29.2	30.2	1.0	brecciated greywacke with chlorite matrix	0.001	0.05	0.01	0.02
	30.2	43.9	13.7	green sulfidaceous greywacke with pyritic intervals @ 32.2, 32.6, 33.7 & 35.5, 60° NCA				
				END OF HOLE				

DDH#84-3



SAMPLE	% Cu	% Zn	Ag oz/T	Au	Width(m)
21352	0.18	0.17	0.62	0.013	2.0
21353	0.13	0.08	0.36	0.002	2.5
21354	0.90	0.06	1.14	0.001	3.4

SAMPLE	% Cu	% Zn	Ag (oz/T)	Au	ELEVATION(m)
21820	0.02	0.08	0.28	0.001	- 1478
21821	0.79	0.02	0.53	0.001	1.1
21822	0.03	0.02	0.04	0.001	1.0

- 1460
- 1450
- 1440
- 1430

TECK CORPORATION	
RAMM VENTURE CORPORATION	
DRILLHOLE SECTION	
DDH#84-3 (L5E - 265 N)	
Compiled: P. PETO	Scale-1:500
Date: NOV. 84	

PROPERTY Grouse Mountain
 DRILL HOLE NO. 84-3
 DRILL TYPE NQWL
 DATES 24-25 Sept 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L5.5E-300N
 ELEVATION 4850 ft
 BEARING 120°
 DIP -50°

LENGTH 215 ft; 65.5 m
 % RECOVERY 96
 LOGGED BY P. P. 10
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	2.5	2.5	casing				
	2.5	17.0	14.5	tuffaceous greywacke, irregular gl-conc vls, 1 cm vein 50° NCH at 17.0 m				
21820	17.0	18.0	2.0	bleached greywacke, disseminated pyrite	0.001	0.28	0.02	0.08
21821	18.0	19.1	1.1	fractured py. Schalen + gtz vein, diss. py in altered tuff	0.001	0.53	0.79	0.02
21822	19.1	20.1	1.0	footwall altered greywacke	0.001	0.04	0.03	0.02
	20.1	30.1	10.0	tuffaceous greywacke, coarse pyrite 24.4 to 25 m, ^{locally} gtz-dep. (see) 23.5 m				
	30.1	39.7	9.6	grey, med. gr., massive, pyritic monzodiorite dyke				
	39.7	43.8	4.1	tuffaceous greywacke + epidote at 41 m scum to 10 cm				
	43.8	44.0	0.2	gtz + carb + epidote shear 70° NCH				
	44.0	65.5	21.5	grey tuffaceous greywacke				
				END OF HOLE				
				NOTE: Subsurface breccia intercept may have been cut off by westerly dipping dyke.				

DDH#84 - 4

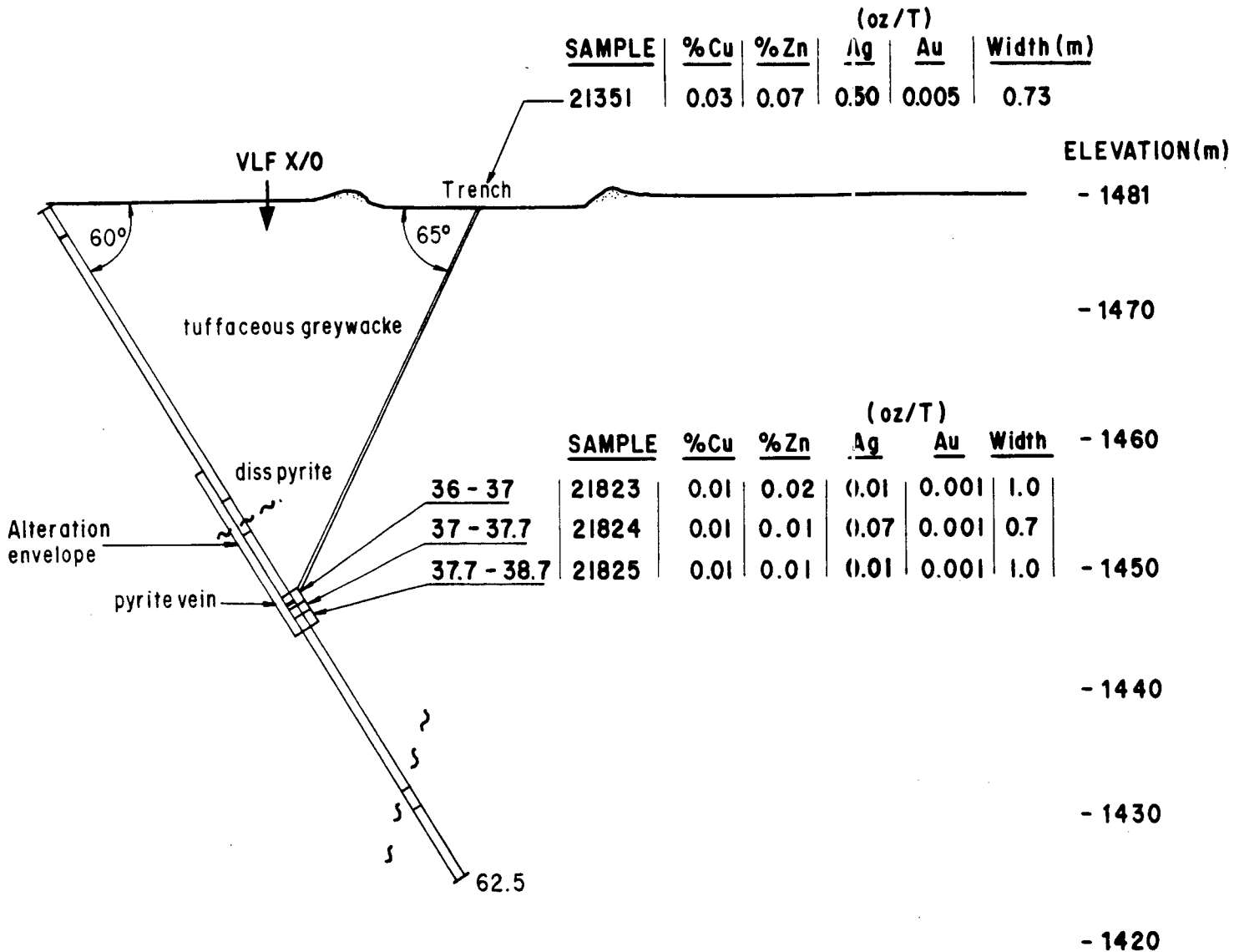
225 N

200 N

175 N

150 N

160°



TECK CORPORATION	
RAMM VENTURE CORPORATION	
DRILLHOLE SECTION	
DDH#84 - 4 (L4.5E-225 N)	
Compiled: P. PETO	Scale: 1:500
Date: NOV. '84	

PROPERTY Grouse Mountain
 DRILL HOLE NO. 84-4
 DRILL TYPE NQWL
 DATES 25-26 Sept 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L45E-225N
 ELEVATION 4860 ft
 BEARING 160°
 DIP -60°

LENGTH 205 ft; 62.5m
 % RECOVERY 95
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	3.1	3.1	CASING				
	3.1	24.6	21.5	greyish green, fossiliferous tuffaceous greywacke oxidized frags to 5m, minor hair line pyrite frags				
	24.6	27.4	2.8	lightly fractured altered greywacke, chlor-py-ep alt				
	27.4	29.9	2.5	fault zone, core loss 29.6-29.9, gouge 80° NCA 29.4- 29.6, carb + clay + iron dissemin 29.6-29.9				
	29.9	36.0	6.1	chlorite + ep + py + clay alt in greywacke				
21823	36.0	37.0	1.0	dk green hanging wall greywacke, chlor-ep alt	0.001	0.01	0.01	0.02
21824	37.0	37.7	0.7	bluish greywacke with chlor-ep & massive pyrite	0.001	0.07	0.01	0.01
21825	37.7	38.7	1.0	footwall greywacke, chlor + ep + clay alt	0.001	0.01	0.01	0.01
	38.7	54.5	15.8	tuffaceous greywacke				
	54.5	59.7	5.2	fault zone, fractured & altered greywacke disse. py, chlor + sericite + clay, bands c 54.5 to 55.5m, carbonate crackle breccia c 55-55.5m				
	59.7	60.3	0.6	pyritic shales in grit				
	60.3	62.5	2.2	tuffaceous gritstone.				
				END OF HOLE				

DDH#84 - 5

175 N

150 N

125 N

100 N

160°

VLF X/O

SAMPLE	%Cu	%Zn	(oz/T)		Width(m)
			Ag	Au	
21046	2.04	0.05	1.02	0.001	2.2
21045	1.93	0.06	1.95	0.003	1.7

ELEVATION (m)

- 1463

- 1450

Wt. Av. 1.36 0.04 0.91 2.0

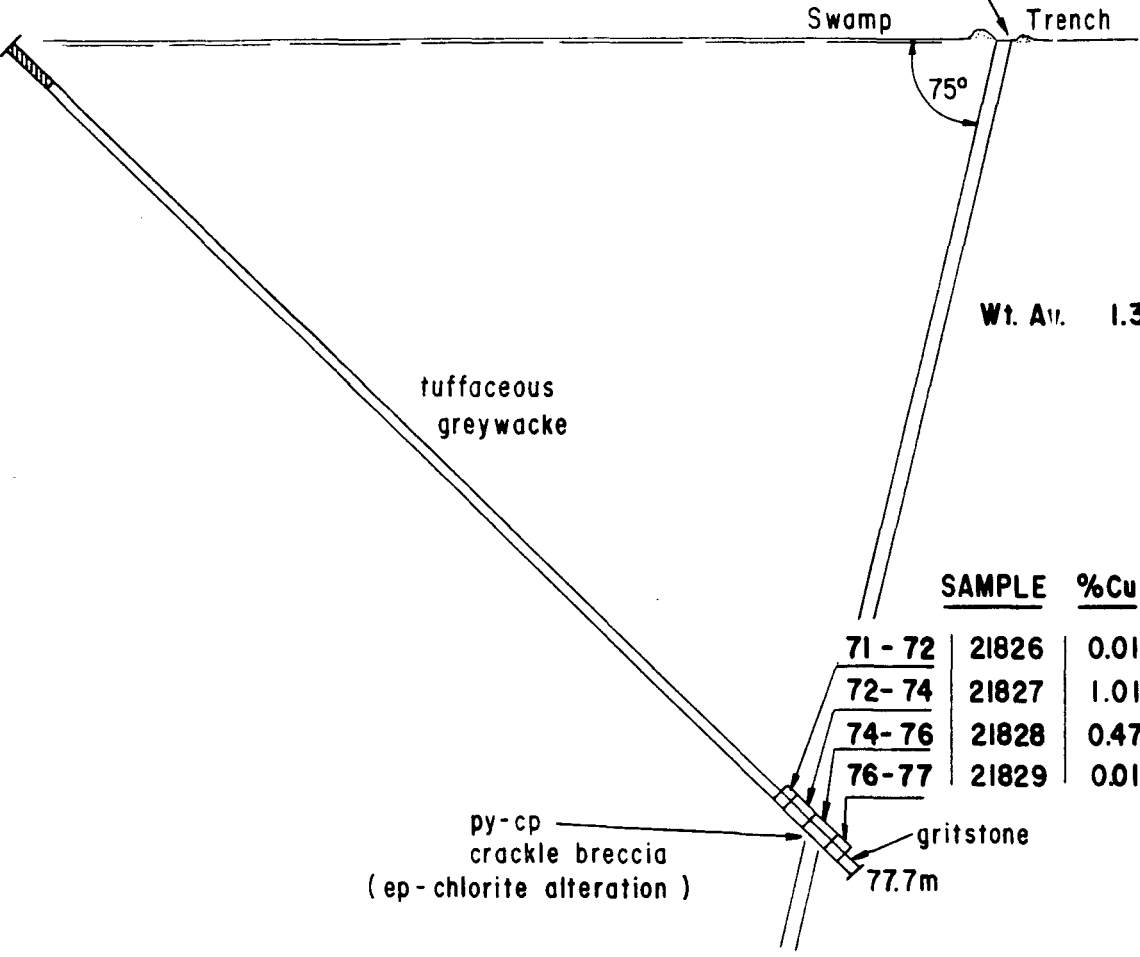
- 1440

SAMPLE	%Cu	%Zn	(oz/T)		Width(m)
			Ag	Au	

71 - 72	21826	0.01	0.47	0.02	0.001	1.0
72 - 74	21827	1.01	0.02	0.59	0.001	2.0
74 - 76	21828	0.47	0.03	0.21	0.001	2.0
76 - 77	21829	0.01	0.02	0.02	0.001	1.0

- 1410

- 1400



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-5 (L3.22E-175N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

PROPERTY GROUSE Mountain
 DRILL HOLE NO. 84-5
 DRILL TYPE NQWL
 DATES 26-27 Sept 1984

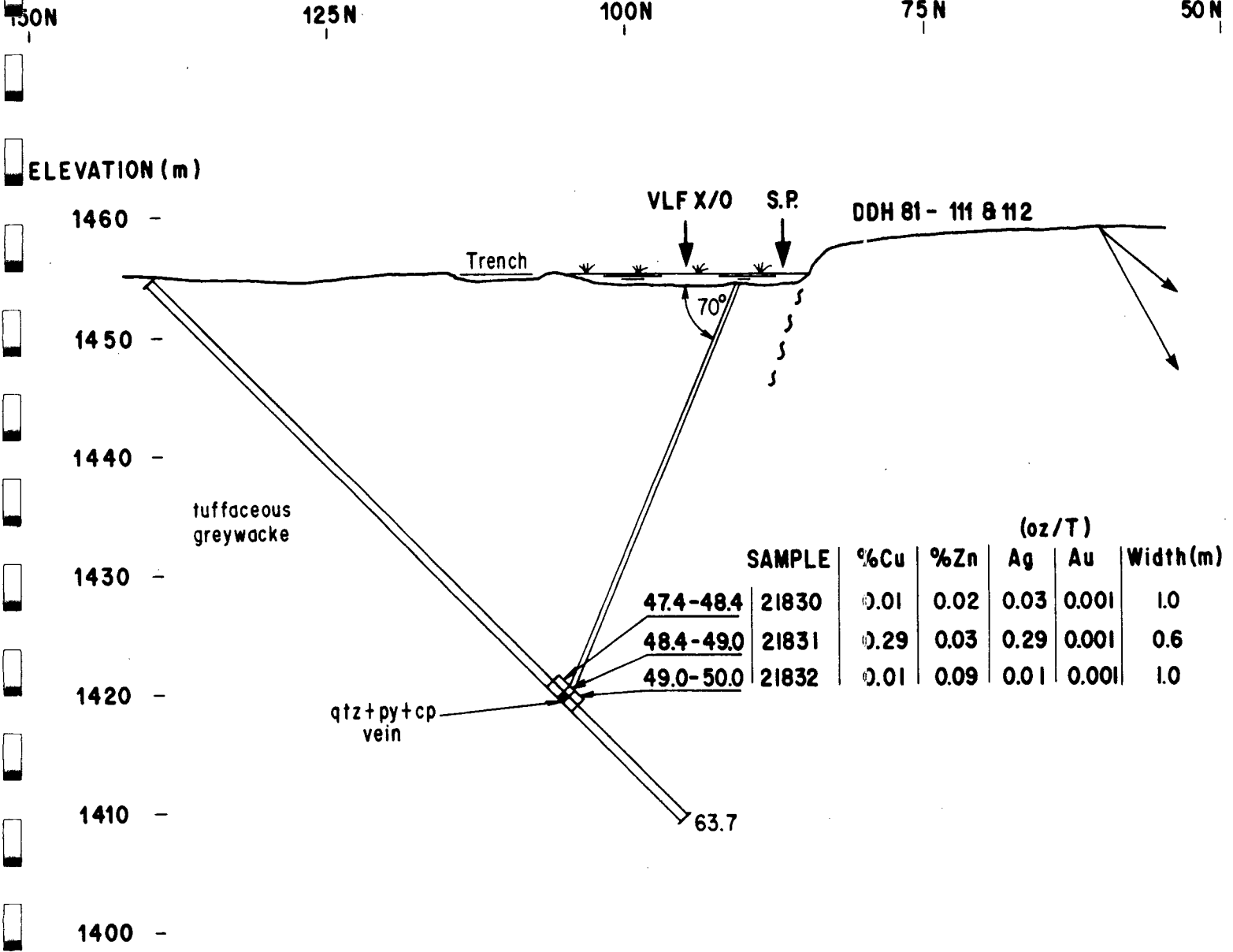
DRILL HOLE LOG & ASSAYS
 LOCATION 3.22E-175N
 ELEVATION 4900 ft
 BEARING 160°
 DIP -45°

LENGTH 255 ft; 77.7m
 % RECOVERY 96
 LOGGED BY P. Feto
 PAGE 1 OF 1

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					Oz Au	Oz Ag	% Cu	% Zn
	0	3.2	3.2'	Casing				
	3.2	71.0	67.8	grey-green buffaceous greywacke with minor siltstone intercalations, bedding 60° N.C.A.; cut by irregular st-calc-fracs, oxidized fracs to 8.3m, 23.3 to 24.7 irregular pyrite fracs				
21826	71.0	72.0	1.0	hanging wall greywacke minor epidote fracs	0.001	0.02	0.01	0.47
21827	72.0	74.0	2.0	chlorite epidote-quartz in brecciated greywacke with irregular m-cp fractures	0.001	0.59	1.01	0.02
21828	74.0	76.0	2.0	dark green greywacke with m-cp fracs.	0.001	0.21	0.47	0.03
21829	76.0	77.0	1.0	footwall siltstone cut by epidote & st-calc	0.001	0.02	0.01	0.02
	77.0	77.7		vls, chloritic matrix.				
END OF HOLE								

DDH#84-6

160°



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-6 (L 2.5E-140N)		
Compiled: P. PETO	Scale-1:500	Date: NOV. 84

DDH#84-7

160° →

200N

175N

150N

125N

ELEVATION (m)

Road

VLF X/O

Trench

55°

1460

1450

1440

1430

1420

1410

1400

tuffaceous
greywacke

qtz+py+cp
vein
alteration
zone

gritstone

50.5-51.0

73.1m

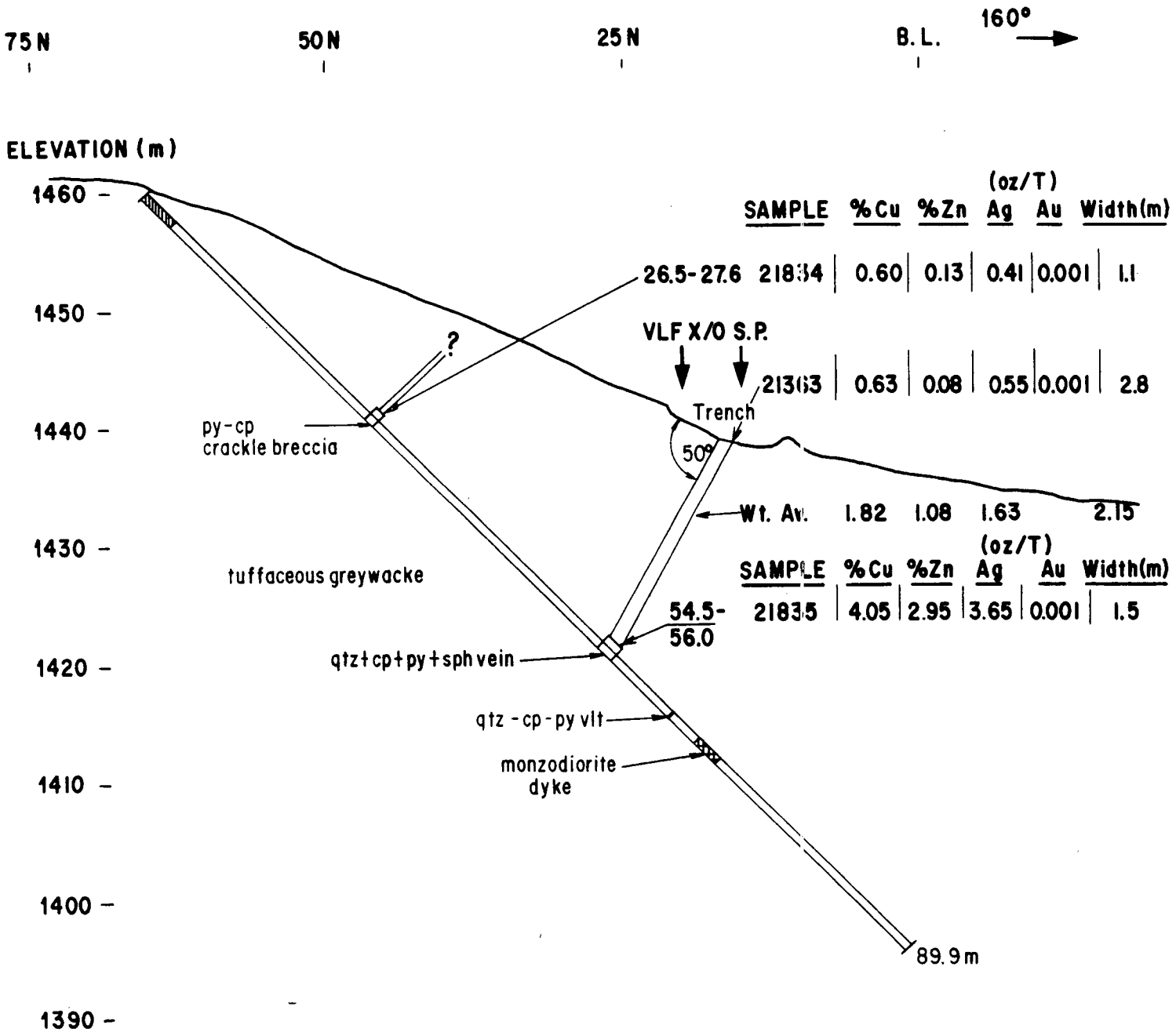
SAMPLE	(oz/T)				Width(m)
	%Cu	%Zn	Ag	Au	
21048	2.21	0.06	0.88	0.001	2.0

← Wt. Av. 2.16 0.025 0.84 1.23

SAMPLE	(oz/T)				Width(m)
	%Cu	%Zn	Ag	Au	
21833	1.15	0.10	0.2	0.005	0.5

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-7 (L3.5E-205 N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. '84

DDH#84 - 8



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH 84-8 (L1.87E-64N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. '84

PROPERTY Grouse Mountain
 DRILL HOLE NO. 84-8
 DRILL TYPE NQWL
 DATES 29-30 September 1984

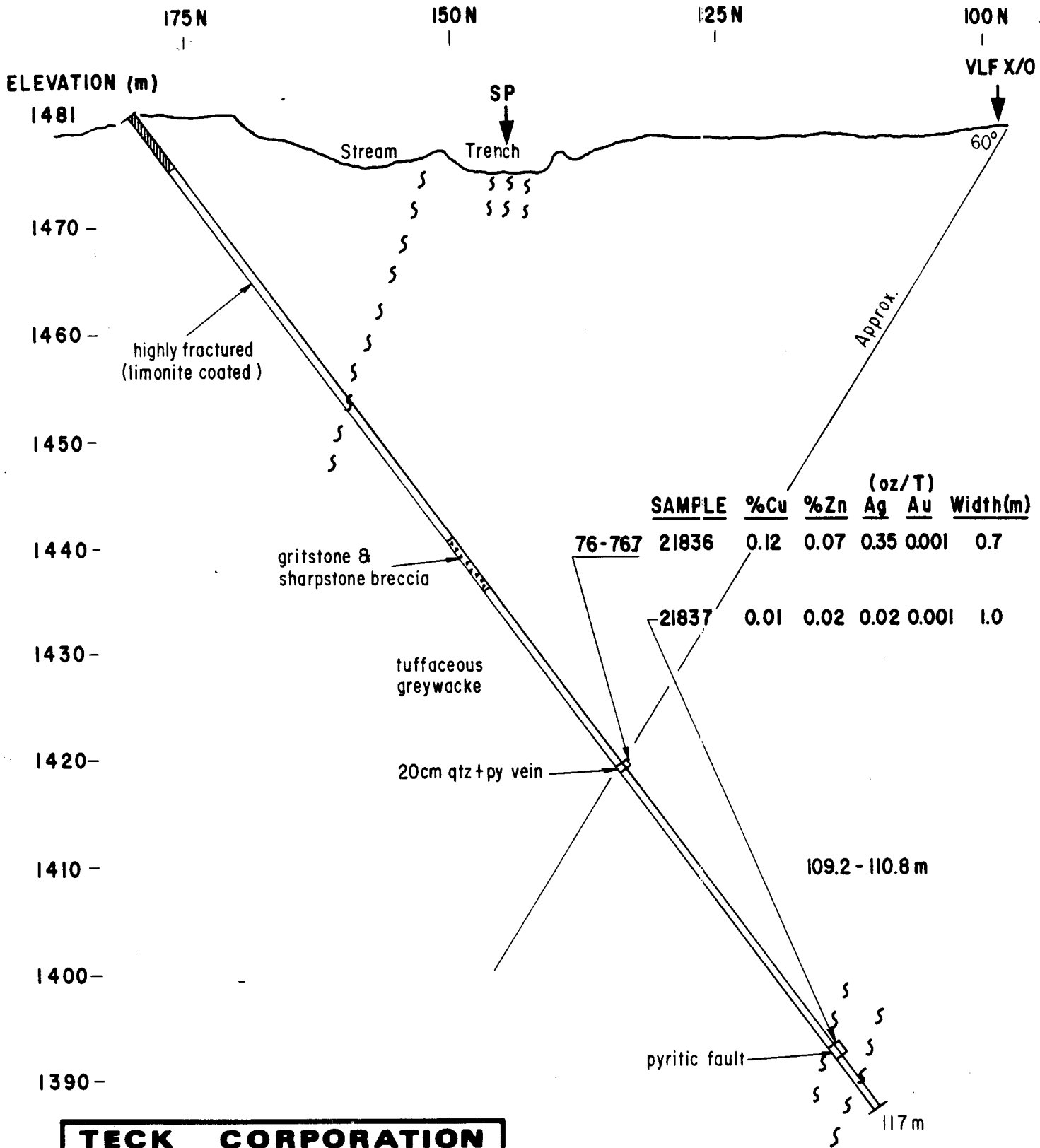
DRILL HOLE LOG & ASSAYS
 LOCATION 1.872-64N
 ELEVATION 4900ft, 1460m
 BEARING 160°
 DIP -45°

LENGTH 295ft, 89.9m
 % RECOVERY 96
 LOGGED BY P. Peto
 PAGE 1 OF one

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	3.4	3.4	Casing & ground core				
	3.4	26.5	23.1	tuffaceous greywacke				
21834	26.5	27.6	1.1	py & cp frags in brecciated greywacke 27.1 core loss	0.001	0.41	0.60	0.13
	27.6	41.1	13.5	tuffaceous greywacke				
	41.1	41.2	0.1	stz-py-cp chloir vein 75° N.C.A.				
	41.2	54.5	13.3	tuffaceous greywacke, replacement Bx 52.8-53.9 hole line 75° N.C.A.				
21835	54.5	56.0	1.5	qtz + cpy + sphal + py ^{ex} vein, 25% sulphides 54.5 to 54.9m	0.001	3.65	4.05	2.95
	56.0	62.3	6.3	brecciated greywacke ± chloir ± py frags				
	62.3	62.6	0.3	qtz + chalc + sphal + py vein				
	62.6	65.4	2.8	tuffaceous greywacke, epidote alt. @ 62 to 63.8m				
	65.4	67.7	2.3	greywacke, hornbl. mangadiorite dyke				
	67.7	89.9	22.2	tuffaceous greywacke, epidote alt. @ 67.8 to 75.5-76m, 70 & 69.3m.				
				END OF HOLE				

DDH# 84-9

160°



SAMPLE	(oz/T)				Width(m)
	%Cu	%Zn	Ag	Au	
76-767 21836	0.12	0.07	0.35	0.001	0.7
21837	0.01	0.02	0.02	0.001	1.0

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-9 (L1E-180N)		
Compiled: P. PETO	Scale-1:500	Date: NOV.84

PROPERTY Grouse Mountain
 DRILL HOLE NO. 84-9
 DRILL TYPE NQWL
 DATES 30 Sept - 1 Oct 1984

DRILL HOLE LOG & ASSAYS

LOCATION L1E-180N
 ELEVATION 4860 ft
 BEARING 160°
 DIP -45°

LENGTH 385 ft: 117 m
 % RECOVERY 94
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	6.8	6.8'	casing & ground core				
	6.8	32.4		highly fractured, altered to porous greywacke with limonite coated fractures.				
	32.4	41.0		core loss, fractured tuff, clay gouge zone, fault				
	41.0	50.3		green tuffaceous greywacke, bleached 41-42m				
	50.3	55.5		gritstone & sharpstone Bx.				
	55.5	76.0		tuffaceous greywacke, 60° CA bedding				
	76.0	76.2		stz - cp vlt 68° on cm.				
21836	76.0	76.7	0.7	sheared altered tuff, 20cm - stz py stream	0.001	0.35	0.12	0.07
	76.7	78.3		altered micaceous stz - shear 78-78.3m.				
	78.3	109.2		tuffaceous greywacke with disseminated pyrite				
21837	109.2	110.8	1.0	pyrite green, altered, pyritic fault zone	0.001	0.03	0.01	0.02
	110.8	117.0		altered tuffaceous greywacke, gouge @ 113.0 to 113.5, gouge in fault zone				
				END OF HOLE				

DDH# 84-10

160°
→

150N

125 N

100N

75 N

ELEVATION (m)

1481 -

1470 -

1460 -

1450 -

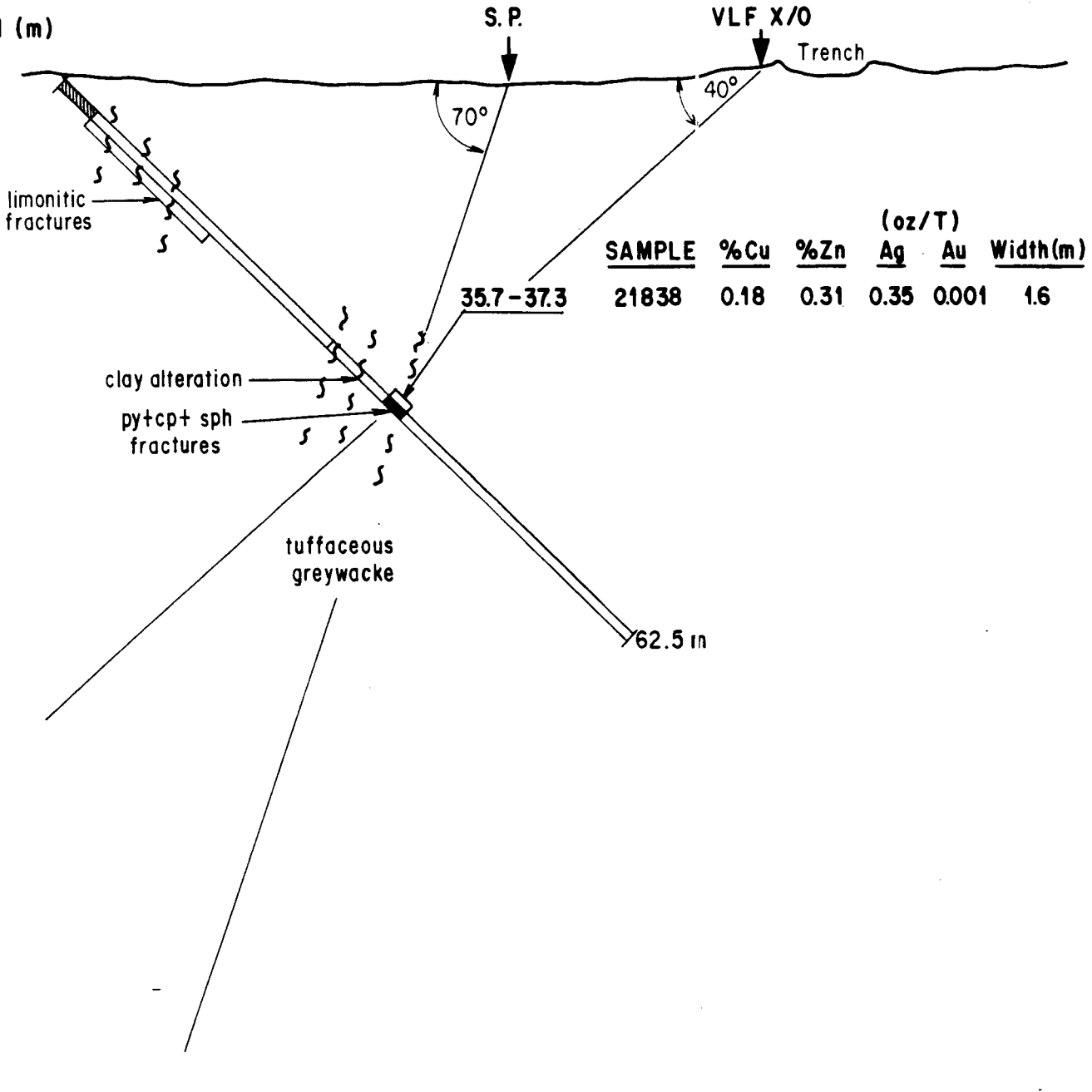
1440 -

1430 -

1420 -

1410 -

1400 -



SAMPLE	%Cu	%Zn	(oz/T)		Width(m)
			Ag	Au	
21838	0.18	0.31	0.35	0.001	1.6

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-10 (LOE-156N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

PROPERTY Cross Mountain
 DRILL HOLE NO. 84-10
 DRILL TYPE NQWL
 DATES 1-2 October 1984

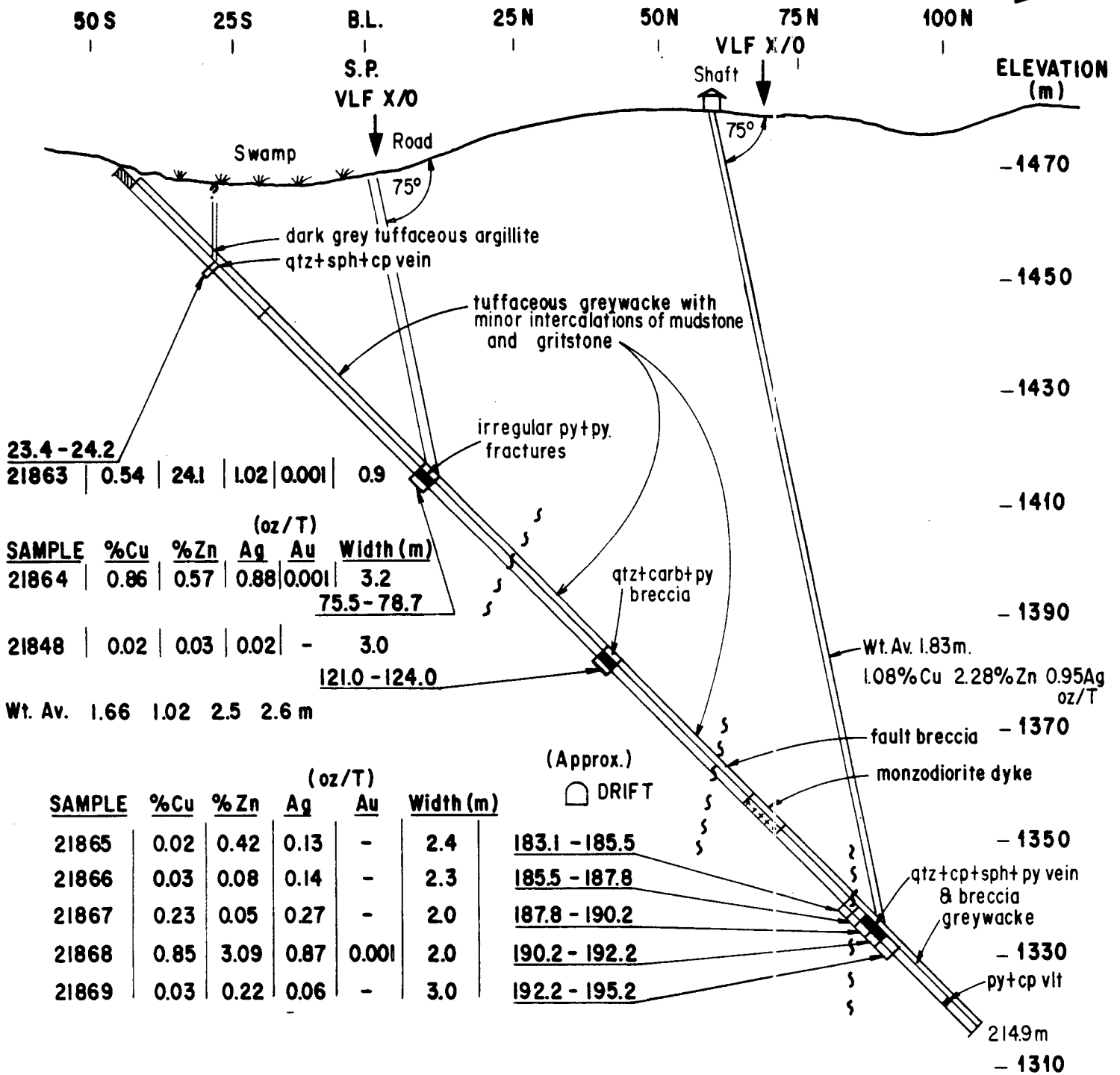
DRILL HOLE LOG & ASSAYS
 LOCATION L OF-156N
 ELEVATION 4860±
 BEARING 160°
 DIP -45°

LENGTH 205 ft; 62.5 m
 % RECOVERY 95.7
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	2.7	2.7	CASING				
	2.7	29.0	26.3	green tuffaceous greywacke, rusty fracs to 16.4 m, bedding 45-60° N. D.				
	29.0	29.7	0.7	1 cm py vlt 80° N. D., minor sider-oxidate altm				
	29.7	35.7	6.0	broken tuff & clay - siderite-oxidate altm				
21838	35.7	37.3	1.6	fractured tuff & pyrite-siderite altm	0.001	0.35	0.18	0.31
	37.3	62.5	25.2	tuffaceous greywacke & intercalations of grit				
				END OF HOLE				

DDH#84-11

330° →



TECK CORPORATION	
RAMM VENTURE CORPORATION	
DRILLHOLE SECTION	
DDH#84-11 (L 0.86W-45N)	
Compiled: P. PETO	Scale: 1:500
Date: NOV. '84	

PROPERTY Crouse Mountain
 DRILL HOLE NO. 24-11
 DRILL TYPE NQWL
 DATES 2-3 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 0.86W-45N
 ELEVATION 4820
 BEARING 230°
 DIP -15°

LENGTH 705 ft, 214.9 m
 % RECOVERY 98.4
 LOGGED BY P. Petu
 PAGE 2 OF two

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	144.8	145.6	0.8	50% core loss fractured greywacke				
	145.6	146.9	1.3	grit greywacke ± 15% coarse grained pyrite				
	146.9	150.6	3.7	same as above				
	150.6	151.8	1.2	fault zone ± strong clay-chloraltn.				
	151.8	155.5	3.7	tuffaceous greywacke				
	155.5	158.0	2.5	tuffaceous sandstone				
	158.0	158.5	0.5	tectonic breccia				
	158.5	166.1	7.6	grey mud. gr. massive, pyritic monzoelitic dyke				
	166.1	183.1	17.0	tuffaceous coarse greywacke ± grit intercalations				
21865	183.1	185.5	2.4	fractured & altered tuff ± dissem. & chlorite frags	—	0.13	0.02	0.42
21866	185.5	187.8	2.3	as above, footwall	—	0.14	0.03	0.08
21867	187.8	190.2	2.0	gtz-cp vein 187.8 to 188.1 m 30° c.A., altered tuff, dissem.	—	0.27	0.23	0.05
21868	190.2	192.2	2.0	gtz pyrite zone Bx 30° c.A. " " " "	0.001	0.87	0.85	3.09
21869	192.2	195.2	3.0	green altered tuff ± 10% coarse dissem. pyrite, hanging wall		0.06	0.03	0.22
	195.2	208.6	13.4	tuffaceous greywacke				
	208.6	208.8	0.2	50% dissem. pyrite seam in green greywacke				
	208.8	214.9	6.1	tuffaceous greywacke				
				END OF HOLE				

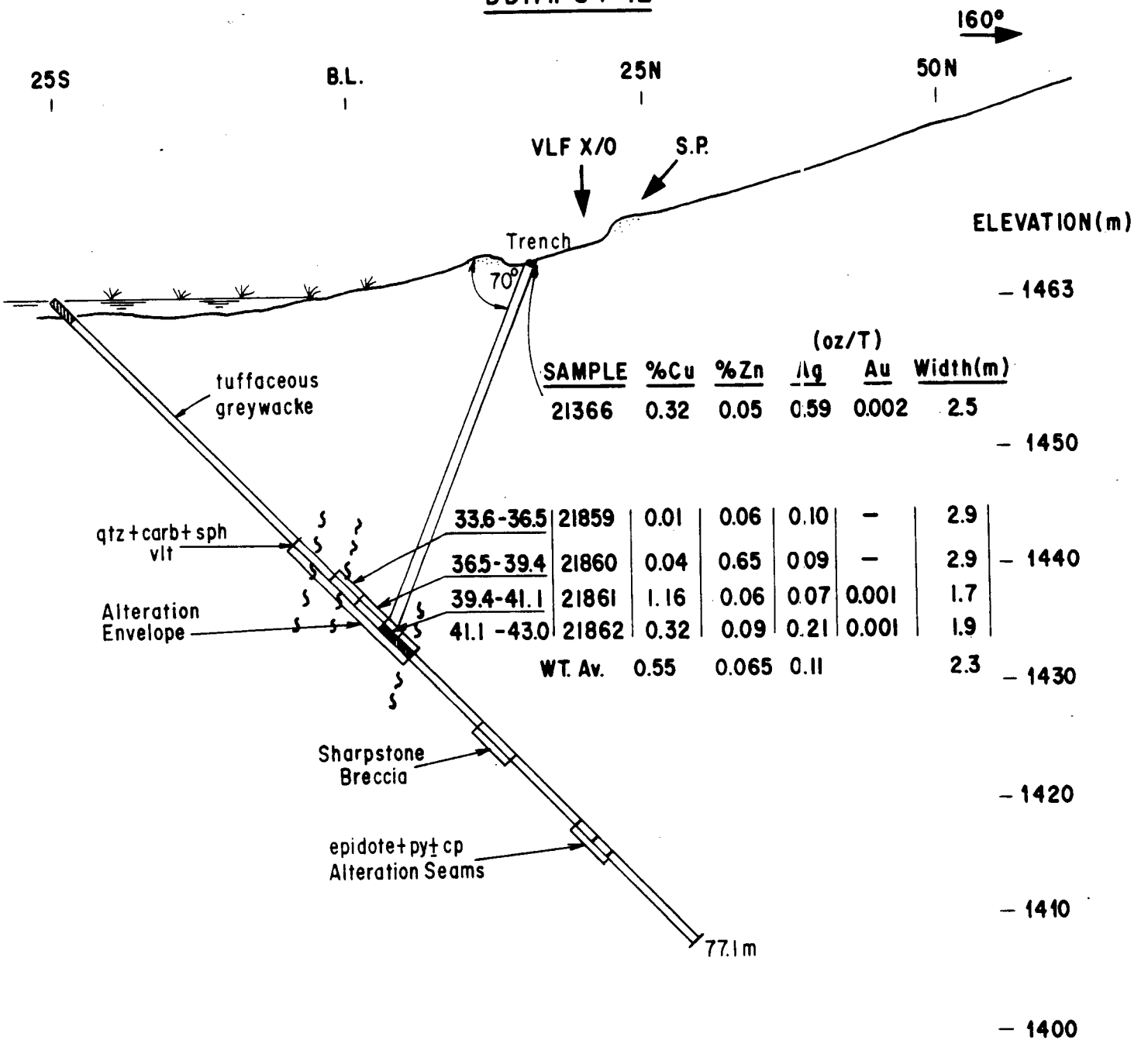
PROPERTY Cross Mountain
 DRILL HOLE NO. 84-11
 DRILL TYPE NQWL
 DATES 2-3 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 0.86W-55S
 ELEVATION 4820
 BEARING 330°
 DIP -45°

LENGTH 705ft; 214.9
 % RECOVERY 98.4
 LOGGED BY P. Peto
 PAGE 1 OF two

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	3.5	3.5	CASING, NO CORE				
	3.5	23.4	19.9	dark grey argillaceous tuff, bedding 60°NCH, fossiliferous				
21863	23.4	24.2	0.9	gtz + sphalerite + minor vltcs vein 50°NCH	0.001	1.02	0.54	24.1
	24.2	37.0	12.8	tuffaceous argillite, 5mm sph vltcs 45°NCH @ 27.5m, gtz-carb vltcs 60-40°NCH, bedding 60°NCH				
	37.0	39.0	2.0	pale green argillite mudstone				
	39.0	75.5	6.5	green tuffaceous greywacke				
21864	75.5	78.7	3.2	shuffly irregular py-ep frags, diss py, chlorite in and irregular gtz-carb vltcs 0°NCH	0.001	0.88	0.86	0.57
	78.7	81.1	2.4	tuffaceous greywacke				
	81.1	87.0	5.9	greenish mudstone, bedding 60°NCH				
	87.0	99.0	12.0	shale, bedding 92.4m, fault zone, fault gauge @ 98.8-99.0m				
	99.0	108.2	9.2	tuffaceous greywacke ± grit interbeds carrying shale fragments, bedding 80°NCH				
	108.2	120.4	12.2	tuffaceous greywacke				
	120.4	121.0	3.8	fractured greywacke, chl-clay-carb-gtz vltcs, 1-3% dissem. py. bedding 75°NCH, EXR. 1st. 9.	-	0.02	0.02	0.03
21848	121.0	124.0	3.0					
	124.2	141.0	16.8	tuffaceous greywacke ± grit intercalations,				
	141.0	144.8	3.8	grit ± shale fragments cut by gtz-ep frags				

DDH# 84-12



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-12 (L1E - 25S)		
Compiled: P. PETO	Scale-1:500	Date: NOV. '84

PROPERTY GROUSE Mountain
 DRILL HOLE NO. 84-12
 DRILL TYPE NQWL
 DATES 5-6 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 1E-25S
 ELEVATION 4800 ft
 BEARING 162°
 DIP -45°

LENGTH 253 ft; 77.1m
 % RECOVERY 97.3
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	2.1	2.1	CASING				
	2.1	29.0	26.9	green tuffaceous greywacke				
	29.0	33.6	4.6	fractured greywacke (clay gouge, 31.5m, gtz+carb- +sph vein 20° NCH @ 29.3m, disc. in schlier alt'n.				
21859	33.6	36.5	2.9	bleached, argillitic, sericitic hairline wall-fault	-	0.10Ag	0.01	0.16
21860	36.5	39.4	2.9	35.8 to 37.5 fault, altered greywacke (microsphal.	-	0.09	0.04	0.65
21861	39.4	41.1	1.7	gtz+py+cp+sph vein in fault zone	0.001	0.07	1.16	0.06
21862	41.1	43.0	1.9	footwall wall; gtz+clay alt'n, cp+gtz in frac	0.001	0.21	0.32	0.09
	43.0	51.1	8.1	tuffaceous greywacke & grit beds 75° NCH				
	51.1	55.0	4.0	argillitic & sharpstone breccia.				
	55.0	63.0	8.0	tuffaceous greywacke,				
	63.0	65.5	2.0	fault & ep-cp-py alt'n envelope @ 63m & gtz+carb- +py+sph vein 60° NCH @ 65.4-65.5.				
	65.5	69.0	3.5	tuffaceous greywacke & epidote envelope @ 66.7m.				
	69.0	71.4	2.4	pale green mudstone, laminations 75° NCH				
	71.4	77.1	5.7	tuffaceous greywacke (gtz-carb-±sph?) vlt's to 1cm @ 61.5 to 70m.				
END OF HOLE								

DDH#84-13

160° →

300 N

275 N

250 N

225 N

ELEVATION (m)

1465 -

1450 -

1440 -

1430 -

1420 -

1410 -

1400 -

VLF X/O

Creek

75° ?

tuffaceous greywacke

Alteration envelope

Breccia

qtz + py + cp + sph vein

SAMPLE	%Cu	%Zn	(oz/T)			Width
			Ag	Au		
73.0-74.0	21871	0.03	0.42	0.06	-	1.0
74.0-75.0	21872	0.83	0.30	0.77	0.001	1.0
75.0-75.0	21873	0.01	0.25	0.20	-	1.0

89.9 m

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-13 (L2.5E-303N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. '84

PROPERTY Grouse Mountain
 DRILL HOLE NO. 84-13
 DRILL TYPE NQWL
 DATES 6-9 October 1984

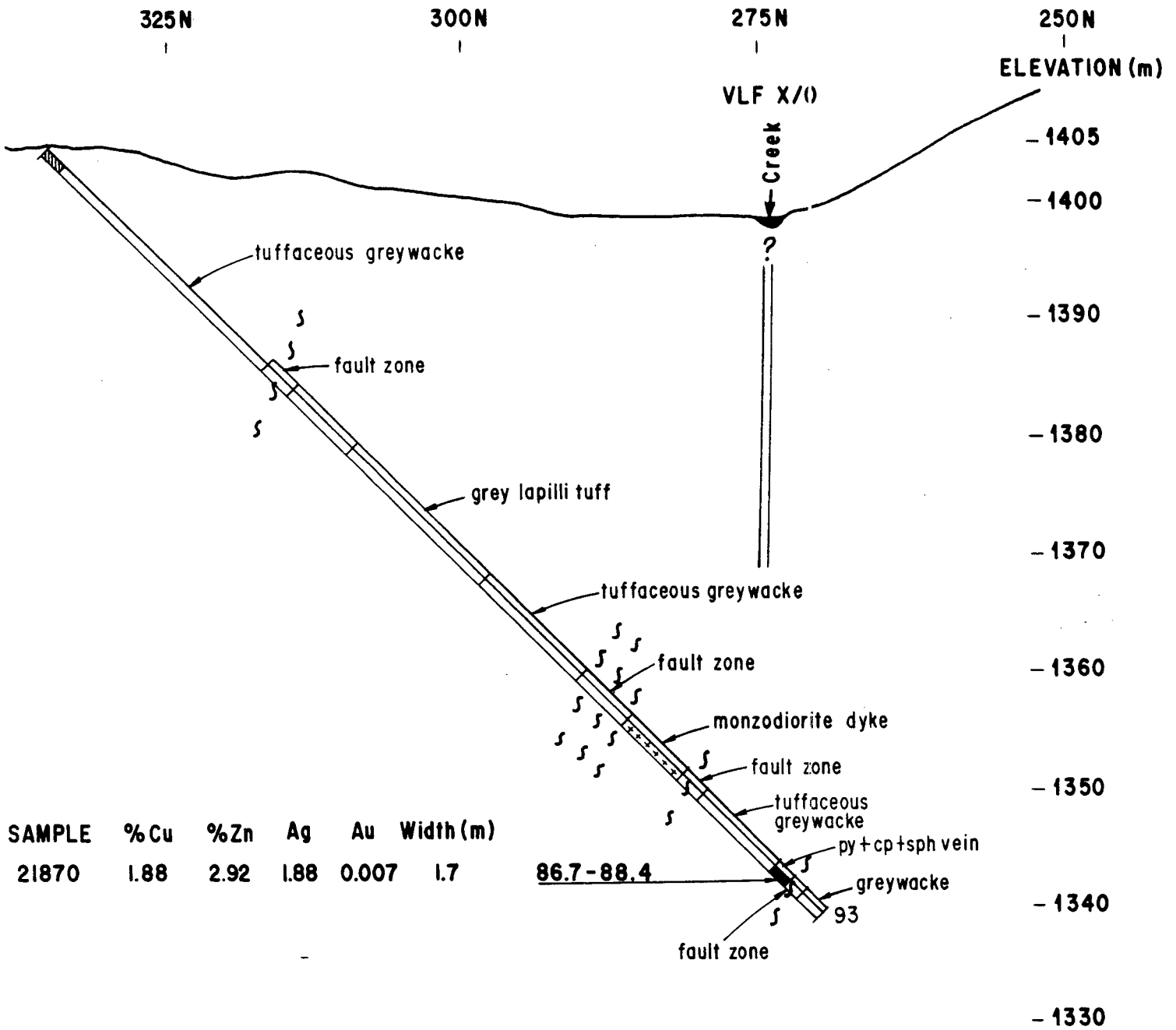
DRILL HOLE LOG & ASSAYS
 LOCATION 2.5E-3Q3N
 ELEVATION 1465m
 BEARING 160°
 DIP -45°

LENGTH 295ft: 89.9
 % RECOVERY 97.8
 LOGGED BY P. Kato
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	2.0	2.0	CRASING				
	2.0	7.0	5.0	Fractured, rusty, tuffaceous greywacke				
	7.0	8.0	1.0	fault zone & clay gouge				
	8.0	12.2	4.2	fractured greywacke, rusty frags to 10m.				
	12.2	43.0	30.8	green tuffaceous greywacke & gritstone interbeds 60°NCH, cut by stz-creek with 450°NCH.				
	43.0	44.2	1.2	fractured argillitic fault zone				
	44.2	69.0	24.8	tuffaceous greywacke, bedding 60°NCH.				
	69.0	70.5	1.5	fault zone & gouge @ 70.4 to 70.5m.				
	70.5	71.3	0.8	shalestone breccia				
	71.3	73.0	1.7	sheared tuffaceous greywacke				
21871	73.0	74.0	1.0	bleached hanging wall greywacke	-	0.06	0.03	0.42
21872	74.0	75.0	1.0	massive stz-py + optph seam 75°NCH @ 74.4-8m,	0.001	0.77	0.83	0.30
21873	75.0	76.0	1.0	bleached, footwall greywacke & minor py.	-	0.20	0.01	0.25
	76.0	89.9	13.9	tuffaceous greywacke, bedding 60°NCH.				
				END OF HOLE				

DDH# 84-14

160° →



SAMPLE	%Cu	%Zn	Ag	Au	Width(m)
21870	1.88	2.92	1.88	0.007	1.7

86.7-88.4

93

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-14 (L1W-335 N)		
Compiled: P. PETO	Scale-1:500	Date: NOV. '84

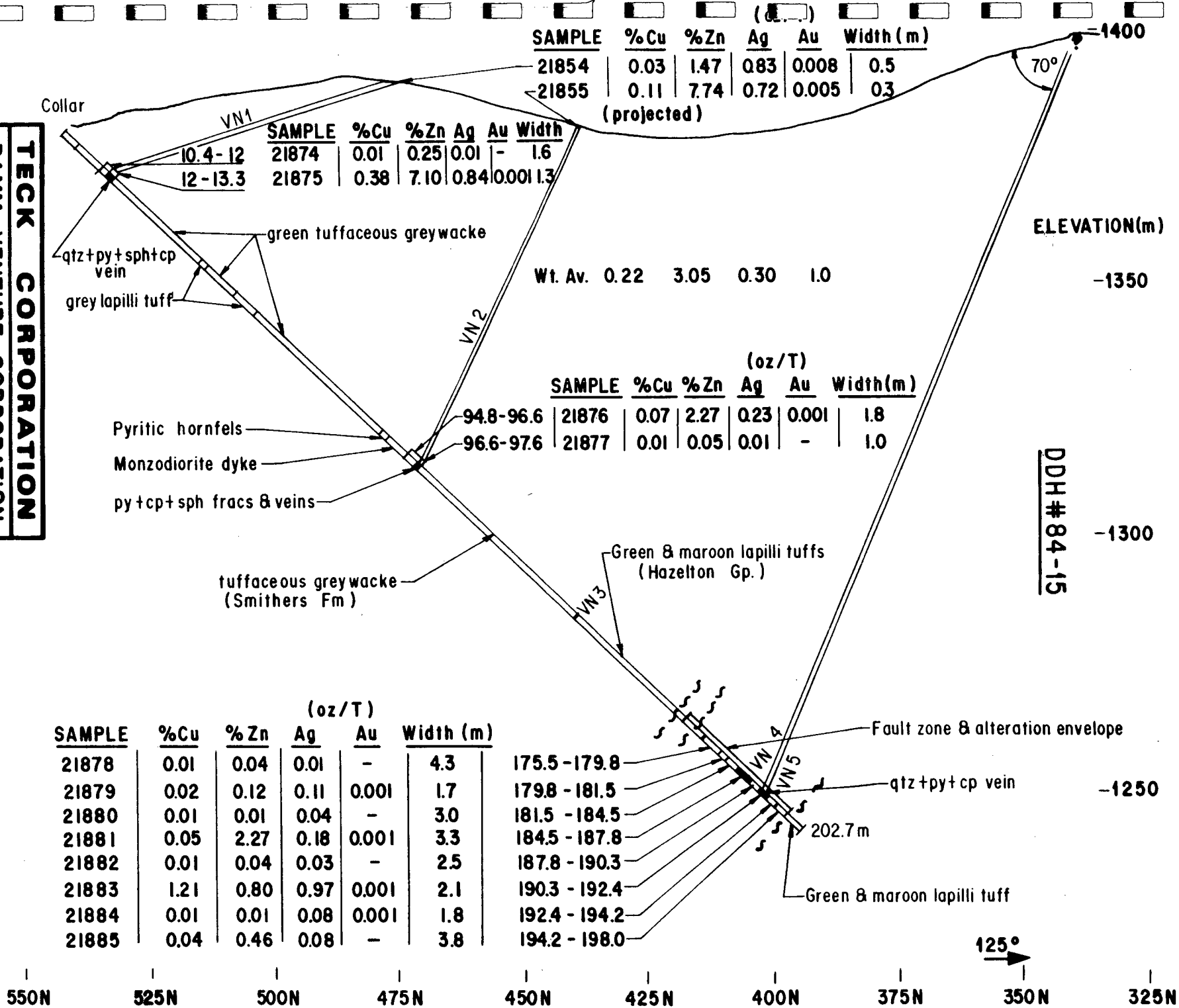
PROPERTY Grouse Mountain
 DRILL HOLE NO. 24-14
 DRILL TYPE NQWL
 DATES 9-10 Oct 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L1W-335A
 ELEVATION 1405 m
 BEARING 160°
 DIP -45°

LENGTH 305 ft; 93m
 % RECOVERY 98
 LOGGED BY P. Peto
 PAGE / OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	1.8	1.8	CASING				
	1.8	25.9	24.0	green tuffaceous greywacke, bedding 60° N.C.H.				
	25.9	28.5	2.6	highly fractured & altered tuff; fault zone				
	28.5	36.0	7.5	tuffaceous greywacke				
	36.0	52.0	16.0	grey, poorly sorted, lapilli tuff & shale fragments				
	52.0	63.7	11.7	tuffaceous greywacke & interbedded gritstone				
	63.7	69.4	5.7	brecciated, sheared & altered tuffs, gouge 67.9, fault zone				
	69.4	75.7	6.3	grey, fine gr. massive magnetite dyke				
	75.7	77.7	2.0	fault zone, diss py + chlor + sericite in altered greywacke				
	77.7	86.7	9.0	altered tuffaceous greywacke				
21870	86.7	88.4	1.7	py + sphin altered fault zone 80° N.C.H. with also some 87.5 to 88.0 m in tuff-greywacke	0.007	1.88	1.85	2.92
	88.4	89.9	1.5	footwall fault zone				
	89.9	93.0	3.1	green tuffaceous greywacke; Smithers Fm.				
				END OF HOLE				

TECK CORPORATION
 RAMM VENTURE CORPORATION
 DRILLHOLE SECTION
 DDH#84-15 (L2.75W-540N)
 Compiled: P. PETO
 Scale: 1:500
 Date: NOV 84



PROPERTY Groose Mountain
 DRILL HOLE NO. 84-15
 DRILL TYPE NQWL
 DATES 10-12 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 2.75W-540N
 ELEVATION 1385 m
 BEARING 125°
 DIP -45°

LENGTH 665 ft, 202.7 m
 % RECOVERY 98.5
 LOGGED BY P. Peto
 PAGE 1 OF TWO

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	Cu	Zn
	0	2.9	2.9	Casing				
	2.9	10.4	7.5	high fractured tuffaceous granitic tuff frags				
21874	10.4	12.0	1.6	as above, hanging wall ± py, clay & minor sphalerite	-	0.01	0.01	0.25
21875	12.0	13.35	1.35	stz-py-sphalerite-ep replacement vein	0.001	0.84	0.38	7.10
	13.4	37.2	23.8	tuffaceous green greywacke ± grits concs				
	37.2	39.0	1.8	green schistose lapilli tuff ± dark green shale frags				
	39.0	47.2	8.2	green tuffaceous greywacke				
	47.2	52.9	5.7	green shale fragment bearing lapilli tuff.				
	52.9	87.0	34.1	green tuffaceous greywacke with interbedded gritstone, minor diss. py.				
	87.0	89.6	2.6	horizontally bedded tuff with 1m of dissemin. pyrite				
	89.6	94.8	5.2	single, grey, massive magnetite dyke				
21876	94.8	96.6	1.8	horizontally bedded tuff, dk green ± py-sph-ep frags & veins	0.001	0.23	0.07	2.27
21877	96.6	97.6	1.0	fragmental green tuffaceous greywacke	-	0.01	0.01	0.05
	97.6	141.0	44.4	compact green tuffaceous greywacke, Smithers fm.				
	141.0	144.2	3.2	green schistose volcanic tuff, Hazelton fm.				
	144.2	170.5	26.3	maroon, poorly sorted lapilli tuff				
	170.5	175.5	5.0	sheared & altered, red-green Hazelton volc. tuffs				
21878	175.5	179.8	4.3	hanging wall green, altered schistose tuffs, diss. py.		0.01	0.01	0.04
21879	179.8	181.5	1.7	stz-py replacement (75:25), minor sphalerite concs	0.001	0.11	0.02	0.12
21880	181.5	184.5	3.0	sheared clay-chlor-schistose tuff ± diss. py & minor sph.	-	0.04	0.01	0.01
21881	184.5	187.8	3.3	sheared & altered tuff ± irreg. sphal vlt, diss. py, 70% CH.	0.001	0.18	0.05	2.27

PROPERTY Grouse Mountain
 DRILL HOLE NO. 84-15
 DRILL TYPE NQWL
 DATES 10-12 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 2.75W-540N
 ELEVATION _____
 BEARING 125°
 DIP -45°

LENGTH 665 ft 202.7
 % RECOVERY 98.6
 LOGGED BY P. Peto
 PAGE 2 OF TWO

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					OZ Au	OZ Ag	Cu	Zn
21882	187.8	190.3	2.5	dk green sheared and altered footwall volcanic tuff.	-	0.03	0.01	0.04
21883	190.3	192.4	2.1	partly stg + py + cp replacement zone in sheared chert tuff	0.001	0.97	1.21	0.80
21884	192.4	194.2	1.8	stg + chert + py + cp + siliceous altered siltstone tuff, fault	0.001	0.08	0.01	0.01
21885	194.2	198.0	3.8	sheared & altered footwall with minor py + cp.	-	0.08	0.04	0.46
	198.0	201.0	3.0	maroon tuff & sh. same as 198-198.4				
	201.0	202.7	1.7	bleached & altered green volc tuff bedding @ NCA.				
				END OF HOLE				
				Summary:				
				1.35m stg-py-sph vein in tuffaceous greywacke @ 12m				
				1.8m py-sph-cp crackle bx in greywacke @ 95m.				
				141-144m end of Smithers Fm start of Hazelton				
				green & maroon volcanic tuffs.				
				170 to 198m, sheared, highly altered fault				
				zone in Hazelton volcanic tuffs, well mineral-				
				ized @ 190.3 to 192.4m.				

DDH # 84-16

160°

25 S

50 S

75 S

100 S

Eureka Adit

VLF ANOMALY

Dump

LAKE LEVEL

ELEVATION (m)

-1450

Fault Zone

Conductive ? Clay (?)

Black argillite

-1440

Fault zone py vlts

-1430

Black argillite with intercalations of grey tuff

Fault zone, pyrite clots

-1420

Diabase dyke

Thinly bedded argillite

-1410

Fault zone

-1400

Fault zone

-1390

Argillite
(Dissem. coarse pyrite)

-1380

-1360

TECK CORPORATION

RAMM VENTURE CORPORATION

**DRILLHOLE SECTION
DDH#84-16 (L 4.3E-20S)**

Compiled: P. PETO

Scale-1:500

Date: NOV. 84

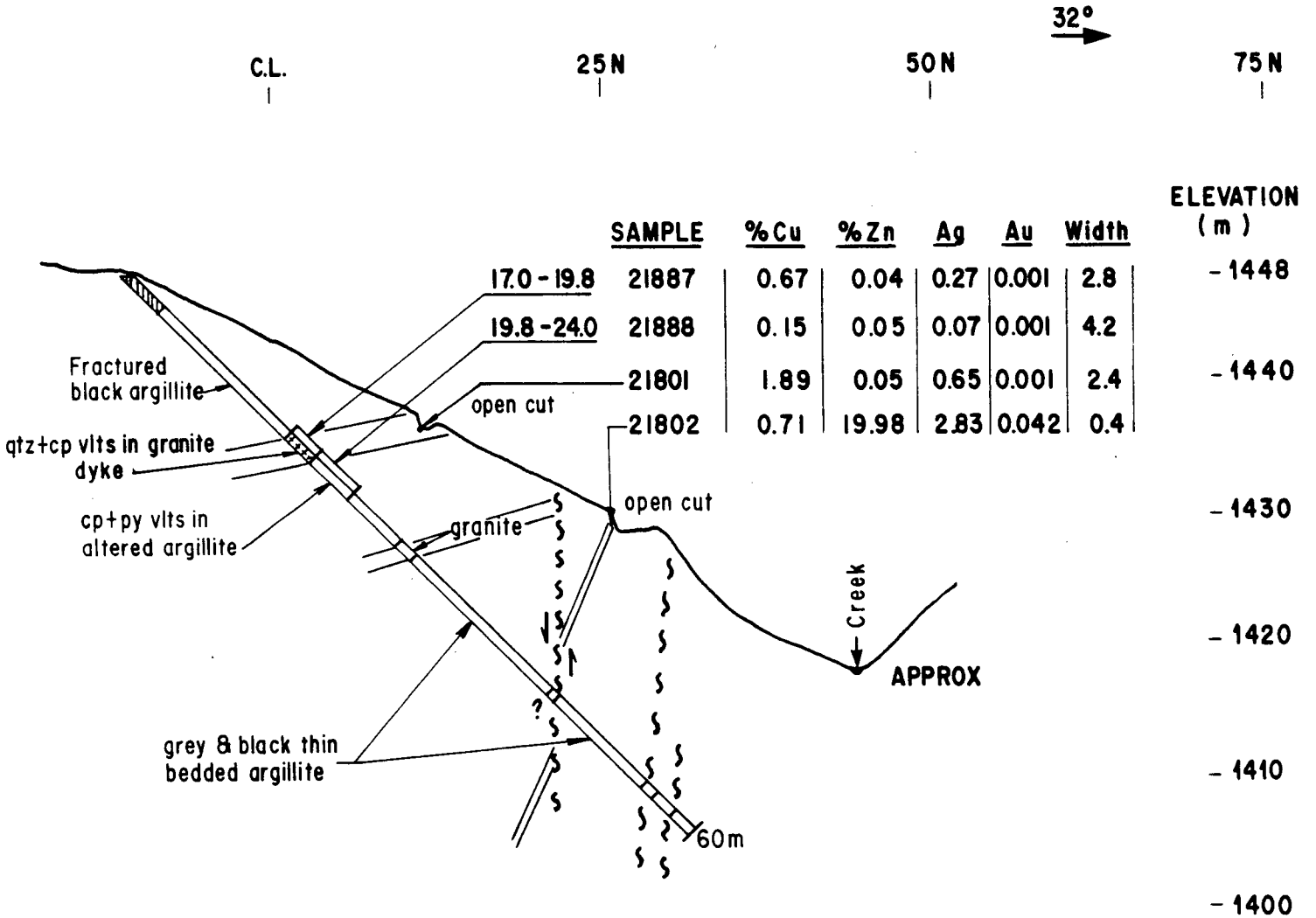
PROPERTY Cross Mountain
 DRILL HOLE NO. 84-16
 DRILL TYPE NQ WL
 DATES 14-15 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 4.3E-20S
 ELEVATION 4790ft; 1460m
 BEARING 160°
 DIP -45°

LENGTH 405ft, 123.4m
 % RECOVERY 97
 LOGGED BY P. Peto
 PAGE / OF one

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag		
	0	4.0	4.0	CASING				
	4.0	6.4	2.4	dark green to black, thin bedded, fossiliferous argillite cut by irregular qtz-carb-vlts, minor pyrite				
	6.4	8.0	1.4	fault zone				
	8.0	35.1	27.1	black argillite bedding ~45° NCH				
	35.1	38.7	3.6	fault zone, chlorite + clay alt'n 1% diss pyrite				
	38.7	52.5	13.8	fractured, pyritic argillite with thin beds of grey tuff, bedding 60° NCH, cut by qtz-carb-vlts				
	52.5	53.0	0.5	fault zone thin pyrites				
	53.0	68.0	15.0	black argillite with shivers 60° NCH, pyrite clots				
	68.0	76.7	8.7	black, v. fr. arg. diagenetic clay & illite marls and septa of argillite at 70.7-71.3, 72.4-72.6, 73.9-74.2, 76.7-77.4. Shivers @ 76.9m				
	76.7	84.2	7.5	blk & grey argillite; diabase 78.4 to 83.0m				
	84.2	85.0	0.8	clay fault zone, 1% diss pyrite				
	85.0	104.3	19.3	black argillite cut by qtz-carb microfossils, frags				
	104.3	111.3	7.0	fractured, black fault zone				
	111.3	123.4	12.1	argillite & thin pyrite frags, 2-3% coarse diss. pyrite, bleached zone 116.8-117.3m				
				END OF HOLE				
				No ASSAYS TAKEN				

DDH # 84-17



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-17 (L14E-10S)		
Compiled : P. PETO	Scale - 1:500	Date : NOV. '84

PROPERTY Cruise Mountain
 DRILL HOLE NO. 84-17
 DRILL TYPE ND
 DATES 16-17 October 1974

DRILL HOLE LOG & ASSAYS
 LOCATION 14E-10S
 ELEVATION 4750 ft
 BEARING 32°
 DIP -45°

LENGTH 200ft 60.0m
 % RECOVERY 94
 LOGGED BY P. B. To
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					OZ Au	OZ Ag	%Cu	%Zn
	0	3.6	3.6	CASING & ground core				
	3.6	17.0		highly fractured, argillaceous, leached blk argillite,				
21887	17.0	19.8	2.8	green, highly altered granite cut by gty-cp vlt's, 10 to 30mm wide, 60° NCH.	0.001	0.27	0.67	0.04
21888	19.8	24.0	4.2	footwall blk argillite, bedding 60° NCH, cut by granite dyke, 20 to 25.1	0.001	0.07	0.15	0.05
	24.0	29.0	5.0	blk, highly fractured argillite				
	29.0	30.5	1.5	green, altered granite dyke.				
	30.5	45.3	14.8	blk argillite, bedding 60-75° NCH, cut by many irregular gty-carb vlt's, fault zone				
	45.3	45.7	0.4	thinly bedded buff & dilational str. carb vlt's				
	45.7	55.6	9.9	blk argillite				
	55.6	60.6	5.0	blk argillite, fault zone				
	60.6	60.6	0.0	END OF HOLE				
NOTE: Mineralized str veins exposed in open cuts were not intersected in this hole. They may have been down-faulted also E-trending fracture zones.								

DDH# 84-18

25S

C.L.

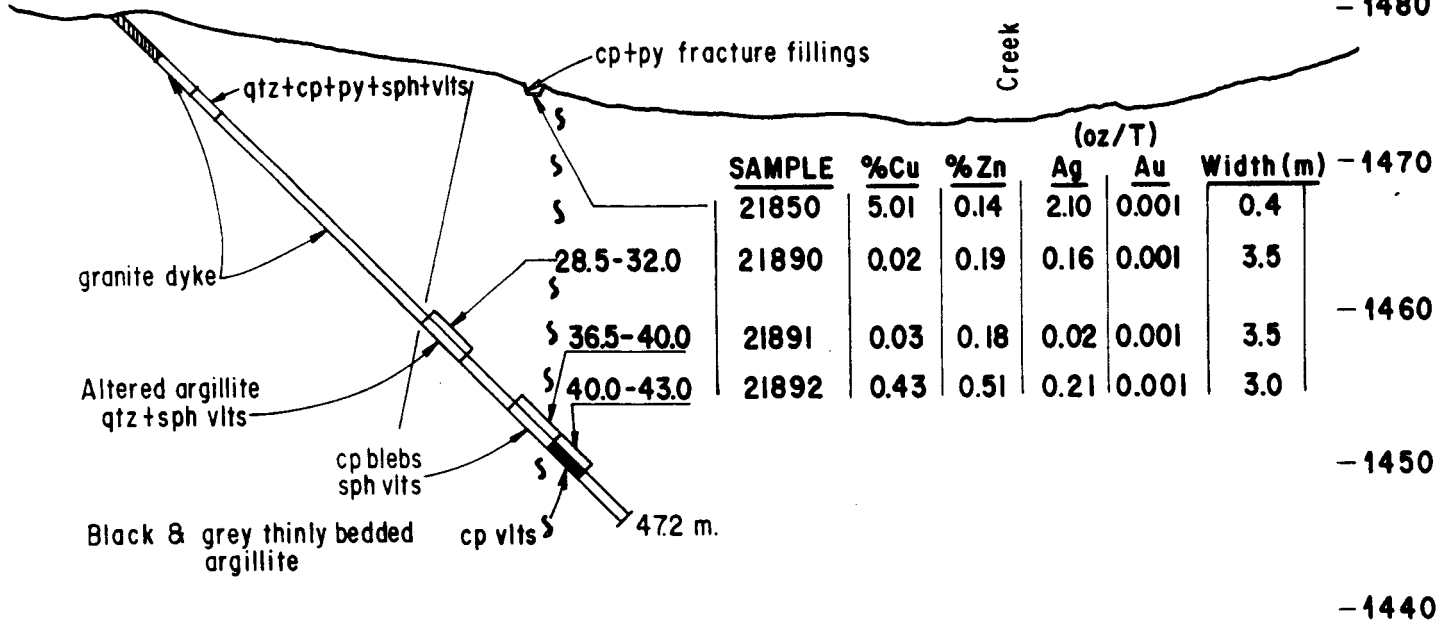
25SE

50SE

120°
→

ELEVATION (m)

- 1480



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH#84-18 (L13.37E-20S)		
Compiled : P. PETO	Scale -1:500	Date : NOV. '84

PROPERTY 5Kousi Mountain
 DRILL HOLE NO. 84-1A
 DRILL TYPE NQ
 DATES 17-18 October 1984

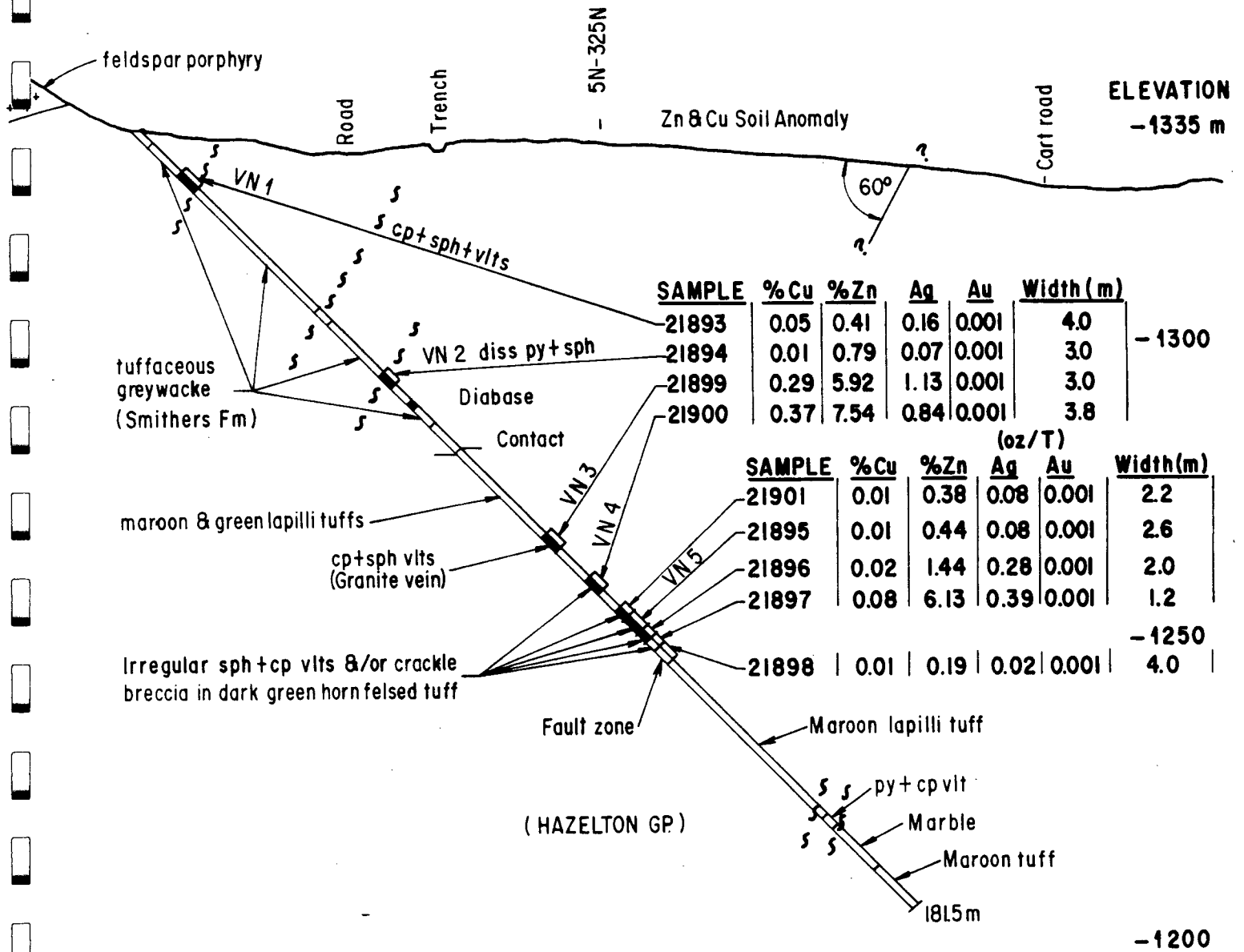
DRILL HOLE LOG & ASSAYS
 LOCATION 13.37E-20S
 ELEVATION 4860ft; 1481m
 BEARING 120°
 DIP -215°

LENGTH 155ft; 47.2m
 % RECOVERY 92
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	3.7	3.7	CRUISING				
	3.7	7.0	3.3	green fine to medium grained granite ductile, $\leq 10^\circ$ shear				
	7.0	9.0	2.0	altered granite cut by stz-phg qtz vltls 90° NCA.				
	9.0	28.5	19.5	porphyritic altered granite, stz-phg vltls 175° to 180° N				
21890	28.5	32.0	3.5	highly fractured stz-phg fault wall zone, irregular cp dracs; stz-sphal vltls 50° NCA @ 27.5 m in granite	0.001	0.16	0.02	0.19
	32.0	36.5	4.5	fractured, thin to thick bedded blk seric schillite				
21891	36.5	40.0	3.5	as above, 29.3-41.5 fault zone, irreg cp blebs sch vltls	0.001	0.02	0.03	0.18
21892	40.0	43.0	3.0	fractured, thin to thick bedded blk seric schillite cuprous to tan 50° NCA @ 41.3 & 41.5, chlorite dracs & diss qtz	0.001	0.21	0.43	0.51
	43.0	47.2	4.2	green to blk irregular bedded blk schillite & dracs @ 47.2, white, shear @ 47.2.				
				END OF HOLE				
				thin to thick bedded, irregularly bedded blk schillite occurs in stz vltls in granite porphyry and as replacement veins in sheared fault wall argillites.				

DDH# 84-19

125°



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH# 84-19 (L5.4E-380N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

PROPERTY GROUSE Mtn.
 DRILL HOLE NO. 84-19
 DRILL TYPE NQ
 DATES 18 to 20 October 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 5.4E-380N
 ELEVATION 1325 m
 BEARING 125°
 DIP -45°

LENGTH 600ft: 181.5m
 % RECOVERY 98.1
 LOGGED BY P. Peto
 PAGE 1 OF TWO

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					OZ Au	OZ Ag	% Cu	% Zn
	0	3	3	CASING				
	3	10	7	grey-green, silty greywacke tuff, bedding 30° NCH				
21893	10	14	4	as above, sph + cp vlls @ 10.4 to 10.6 & @ 11.7m, highly fractured, rusty with gouge @ 13.7m, low grade.	0.001	0.16	0.05	0.41
	14	25.9	11.9	Smithers formation, tuffaceous argillite, stg + sphaerulite vlls e. 15.2m.				
	25.9	27.1	1.2	altered, highly fractured, sandy tuffaceous greywacke with grit bed 60° NCH, probable fault zone				
	27.1	42.5	15.4	tuffaceous greywacke				
	42.5	45.4	2.9	fault zone with clay gouge				
	45.4	57.0	11.6	dark green argillite, grit & ss. of sph-py seam @ 53.2m, 80° NCH, bedding 60° NCH.				
21894	57.0	60.0	3.0	fault zone - clay rich + gl. alt N & diss. py + sph.	0.001	0.07	0.01	0.79
	60.0	63.7	3.7	arg. tuffaceous greywacke				
	63.7	65.0	1.3	dark green chlorite clay & shear e. 65m 45° NCH.				
	65.0	69.0	4.0	tuffaceous greywacke & interbedded grit 60° NCH.				
	69.0	75.0	6.0	grey-green sandstone tuff & dk elongate fragments				
	75.0	95.0	20.0	Hazelton volcanics, green, schistose, v. fin. gr. tuff with interbeds of massive tuff @ 79 to 81.5m				
21899	95.0	98.0	3.0	dk green, chloritic hornfelsed? tuff & irregular sphaerulite-py-cp vlls, 95 to 96m altered granite	0.007	1.13	0.29	5.92
				conformity with stg cp - 11.7m vlls, crackle Bx 97.1 & 97.3				

PROPERTY Cross Mountain
 DRILL HOLE NO. 84-19
 DRILL TYPE NQ
 DATES 18-20 Oct 1984

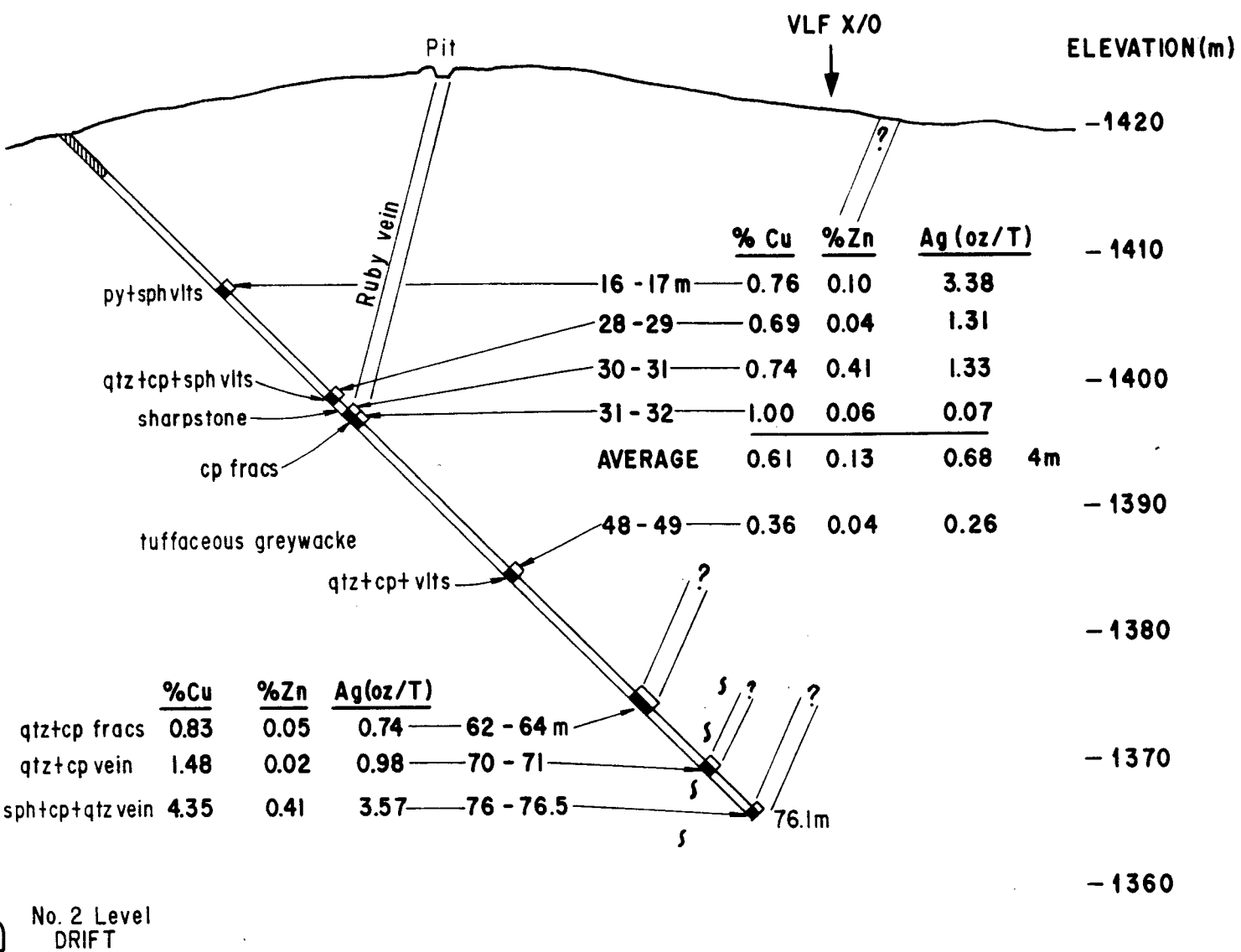
DRILL HOLE LOG & ASSAYS
 LOCATION 04E-380A1
 ELEVATION 4580 ft
 BEARING 125°
 DIP -45°

LENGTH 600ft
 % RECOVERY 98-100
 LOGGED BY P. Peto
 PAGE 2 OF TWO

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					Oz Au	Oz Ag	%Cu	%Zn
	98	105.5	7.5	low fractured green tuff, 98.4 to 99.4 core loss, alt. with 99.4 to 103.3 zone of coarse ss. & sch. calc. vlt.				
21900	105.6	108.6	3.0	dk green hornfelsed tuff crackle bx & sph-ep-py vlt.	0.001	0.24	0.37	7.54
	108.6	112.4	3.8	grey-green scoriae tuff, coarse ss. & sch. calc. vlt.				
21901	112.4	114.6	2.2	coarse grey calc-sph vlt. in broken core in green tuff core loss 114.6 to 115.4m.	0.001	0.08	0.01	0.38
21895	115.4	118.0	2.6	dk green tuff, irregular sph. & ep. vlt., coarse grey calc. vlt.	0.001	0.02	0.01	0.44
21896	118.0	120.0	2.0	crackle bx & sph-ep vlt. & calc & grey-ep-sph-py vlt. e. 119.0 to 119.45 in dk green hornfelsed tuff.	0.001	0.28	0.02	1.44
21897	120.0	121.2	1.2	as above, irregular sph. vlt.	0.001	0.39	0.08	6.13
21898	121.2	125.2	4.0	bluish calc. footwall tuff & 1-2% diss. py. along gorge 125.0 to 125.3m, calc. footwall zone.	0.001	0.02	0.01	0.19
	125.3	131.4	6.1	green lapilli tuff & diss. py. & massive sph. scoriae 123.3				
	131.4	159.0	27.6	maroon lapilli tuff, calc. crackle bx 123 to 135.7m, clay conc. for 10cm e. 145m, grey lapilli tuff 150.5-151.1 & 152 to 152.5m, clay conc. e. 159.7 to 160m, calc. tuff 161.4 to 161.6, but no iron staining vlt.				
	159.0	163.8	4.8	high colored scattered grey tuff, fault zone				
	163.8	173.6		green white laminated limy marl or marl, grey tuff 168 to 168.5 & 169.5 to 171.2 narrow tuff,				
	173.6	181.5		maroon lapilli tuff, grey marl 176 to 180.7, gorge				
				177.5-177.7 & 181 to 181.5m.				
	END OF HOLE							

DDH # 81-106

130° →



TECK CORPORATION

RAMM VENTURE CORPORATION

DRILLHOLE SECTION

DDH # 81-106 (L 2.1W-55N)

Compiled : P. PETO Scale -1:500 Date : NOV. 84

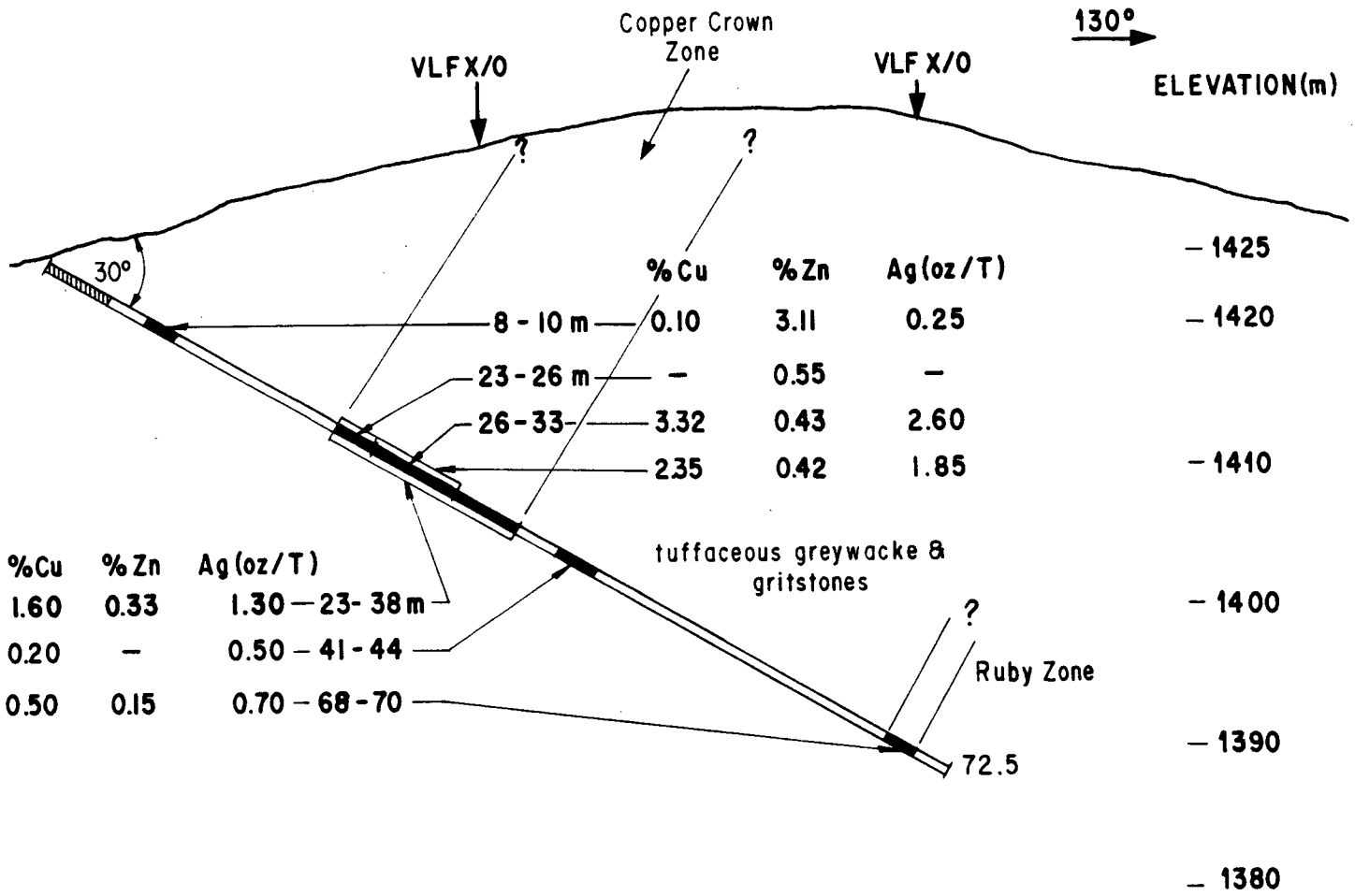
PROPERTY Cross Mountain
 DRILL HOLE NO. 81-106
 DRILL TYPE BQWL
 DATES 4-5 July 1981

DRILL HOLE LOG & ASSAYS
 LOCATION 2.1W-55N (APPROX)
 ELEVATION 1420m
 BEARING 150°
 DIP -7.5°

LENGTH 76.5m; 251ft
 % RECOVERY _____
 LOGGED BY P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	3.4	3.4	CASING				
	3.4	16.0	12.6	tuffaceous greywacke				
	16.0	17.0	1.0	py + sph vlt @ 25° N.C.A.		3.38	0.76	0.1
	17.0	28.0	11.0	tuffaceous greywacke, dissemin pyrite				
	28.0	29.0	1.0	"blebs of cp + sph", 5cm gtz + py + cp vein 90° N.C.A.		1.31	0.69	0.04
	29.0	30.0	1.0	shaly breccia				
	30.0	31.0	1.0	gritstone - 1cm cp vlt < 2% diss py, rare gtz + cp vlt		1.33	0.74	0.41
	31.0	32.0	1.0	" "		0.07	1.0	0.06
	32.0	48.0	16.0	tuffaceous greywacke				
	48.0	49.0	1.0	occasional gtz + cp vlt 90° N.C.A.		0.26	0.36	0.04
	49.0	59.7	10.7	tuffaceous grit, 2% diss py, irregular carb vlt				
	59.7	62.0	1.3	gtz + cp vlt to 5cm				
	62.0	64.0	2.0	brecciated greywacke - gtz + cp frags 60° N.C.A. ~ 1mm		0.74	0.83	0.05
	64.0	70.0	6.0	tuffaceous greywacke				
	70.0	71.0	1.0	gtz - cp replacement vein		0.98	1.48	0.02
	71.0	76.0	5.0	highly fractured, silicified greywacke - py + cp frags clay gouge @ 75.0-75.6, 2% diss py, chert + clay at b				
	76.0	76.5	0.5	sph + cp + gtz vein; HOLE STOPPED IN VEIN. END OF HOLE		3.57	4.35	0.41
	69.0	76.0	7.5	overlapping interval of probable Ruby mineralization		0.70		
	28.0	32.0	4.0	average 1.0m		0.68	0.61	0.13

DDH # 81-107



No. 2 Level Drift

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH # 81-107 (L1.8W-60N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

PROPERTY C. Royal Mountain
 DRILL HOLE NO. 81-107
 DRILL TYPE BOWL
 DATES 26-30 June 1981

DRILL HOLE LOG & ASSAYS
 LOCATION 1.8W-60N (Approx)
 ELEVATION 1425m
 BEARING 130°
 DIP -30°

LENGTH 72.5m 238ft
 % RECOVERY _____
 LOGGED BY P. Peto
 PAGE 1 OF _____

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					Oz Au	Oz Ag	%Cu	%Zn
	0	5.2	5.2	CASING				
	5.2	8.0	2.7					
	8.0	10.0	2.0	"spotty py + cp + sph. in green-grey tuff"		0.25	0.10	3.11
	10.0	23.0	13.0	tuffaceous gritstone				
	23.0	26.0	3.0	fault zone, chlor alt'n, low grade cp-sph. vlt's in grit		-	-	0.55
	26.0	33.0	7.0	highly fractured tuffaceous greywacke, sph + cp veins		2.60	3.32	0.43
	33.0	38.0	5.0	fractured, argillitic greywacke, gauge @ 34m, coarse segregations & seams of cp, diss py.				
	38.0	41.0	3.0	tuffaceous gritstone & greywacke				
	41.0	44.0	3.0	argillitic " "		0.50	0.2	-
	44.0	53.0	7.0	tuffaceous greywacke				
	53.0	61.0	8.0	" " " " "low grade sulphides"		-	-	0.60
	61.0	68.0	7.0	" " " " " "				
	68.0	70.0	2.0	" sph + cp - good sulphides "		0.70	0.50	0.15
	70.0	72.5	2.5	" fine grained greyish green tuff "				
				END OF HOLE				
				NOTE: CORE MISSING from 0 to 14.3, 21 to 26 & 47 to 72.5m (Sept 1984)				
	23.0	33.0	10.0	Probable Copper Crown mineralized zone		1.85	2.35	0.42
	23.0	38.0	15.0	" " " " " "		1.30	1.60	0.33
				HOLE 107A is down hole extension from 72.5 to 107m				

DDH # 81-107A

130° →

ELEVATION (m)

Copper Crown Zone

ELEVATION (m)	Interval (m)	%Cu	%Zn	Ag (oz/T)
1425	8.2 - 11 m	0.10	2.61	0.20
	25 - 29 m	0.30	0.71	0.30
	28 - 29 m	1.22	0.55	0.98
1410	38 - 40 m	0.56	0.17	1.30

ELEVATION (m)	%Cu	%Zn	Ag (oz/T)	Interval (m)
1400	1.00	0.04	0.97	49 - 53 m
	0.46	0.04	0.47	56 - 61 m
	0.50	0.18	0.51	66 - 67 m
1390	0.54	0.04	0.71	71 - 72 m
	0.11	2.35	0.19	74 - 75 m

RUBY ZONE

tuffaceous greywacke
"tuff breccia" sph vlt

107

No. 2 Level
Drift

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH # 81-107A (L1.8W-60N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

PROPERTY GROUSE Mountain
 DRILL HOLE NO. 81-107A
 DRILL TYPE BQWL
 DATES 30 June - 3 July 1981

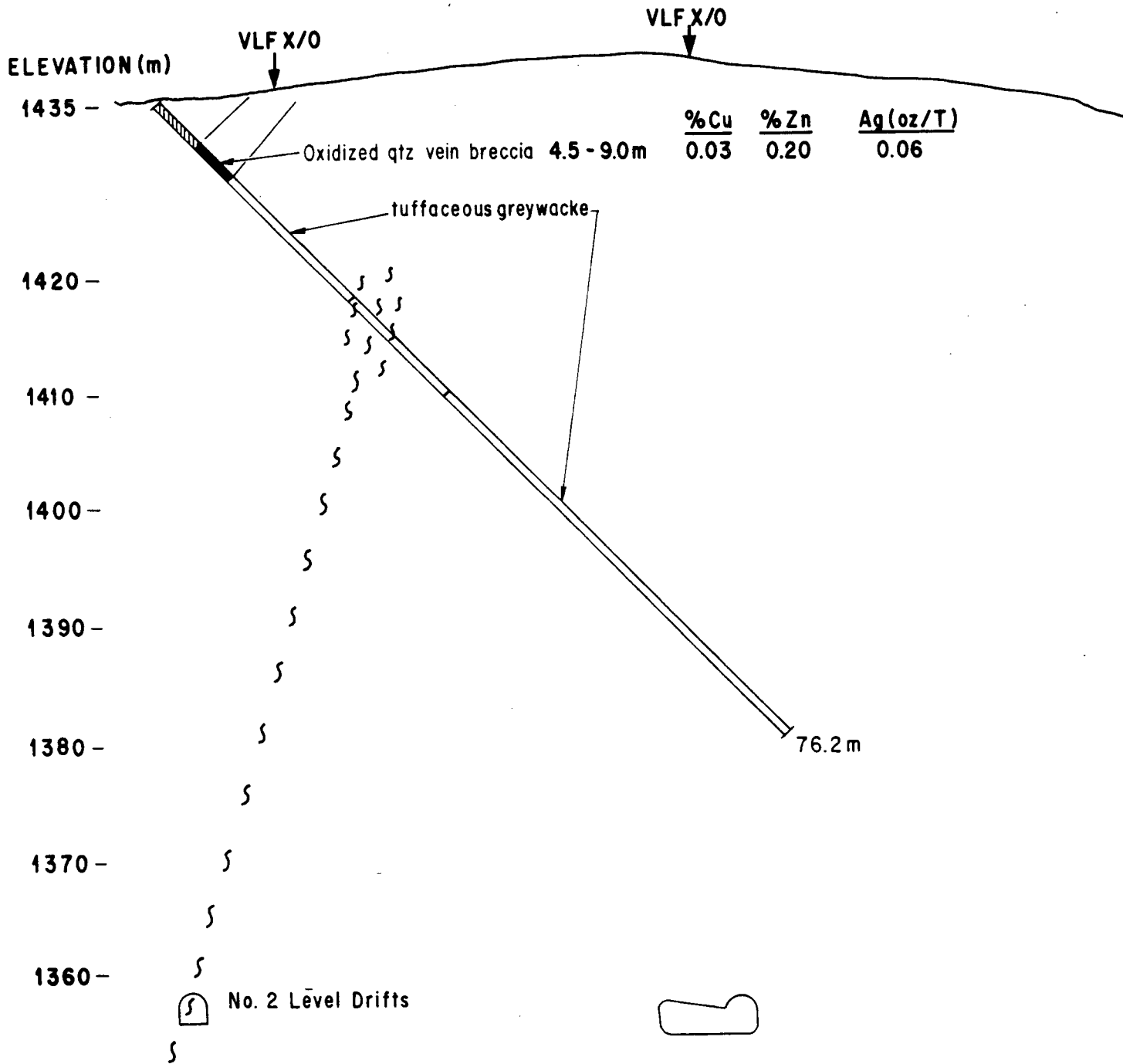
DRILL HOLE LOG & ASSAYS
 LOCATION 1.8W - 60N (APPROX)
 ELEVATION 1425 m
 BEARING 130°
 DIP -30°

LENGTH 107m; 351 ft
 % RECOVERY 90-95
 LOGGED BY I. Borovic
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS				
					oz Au	oz Ag	% Cu	% Zn	
	0	8.2		No core available; see drill log for DDH 81-107.					
	8.2	11.0	2.8				0.20	0.10	2.61
	11.0	25.0							
	25.0	29.0	4.0				0.30	0.30	0.71
	28.0	29.0	1.0				0.98	1.22	0.55
	29.0	38.0							
	38.0	40.0	2.0				1.30	0.56	0.17
	40.0	49.0							
	49.0	53.0	4.0				0.97	1.00	0.04
	53.0	56.0							
	56.0	61.0	5.0				0.47	0.46	0.04
	61.0	66.0							
	66.0	67.0	1.0				0.51	0.50	0.18
	67.0	71.0							
	71.0	72.0	1.0				0.71	0.54	0.04
	72.0	74.0							
	74.0	75.0	1.0				0.19	0.11	2.35
	75.0	80.7		"greenish-grey coarse tuff diss py, cp", st ₃ -carb vlt _s					
	80.7	88.7		"tuff breccia, cp-sph vlt _s 90° NCA					
	88.7	107.0		"fm to med gr. greenish-grey tuff, calcareous vlt _s , diss cp + sph 90m, & sph vlt _s 98 to 107. ± chlorite altm.					
				END OF HOLE					

DDH # 81-108

130°



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH # 81-108 (L1.15W-50N)		
Compiled : P. PETO	Scale - 1:500	Date : NOV. '84

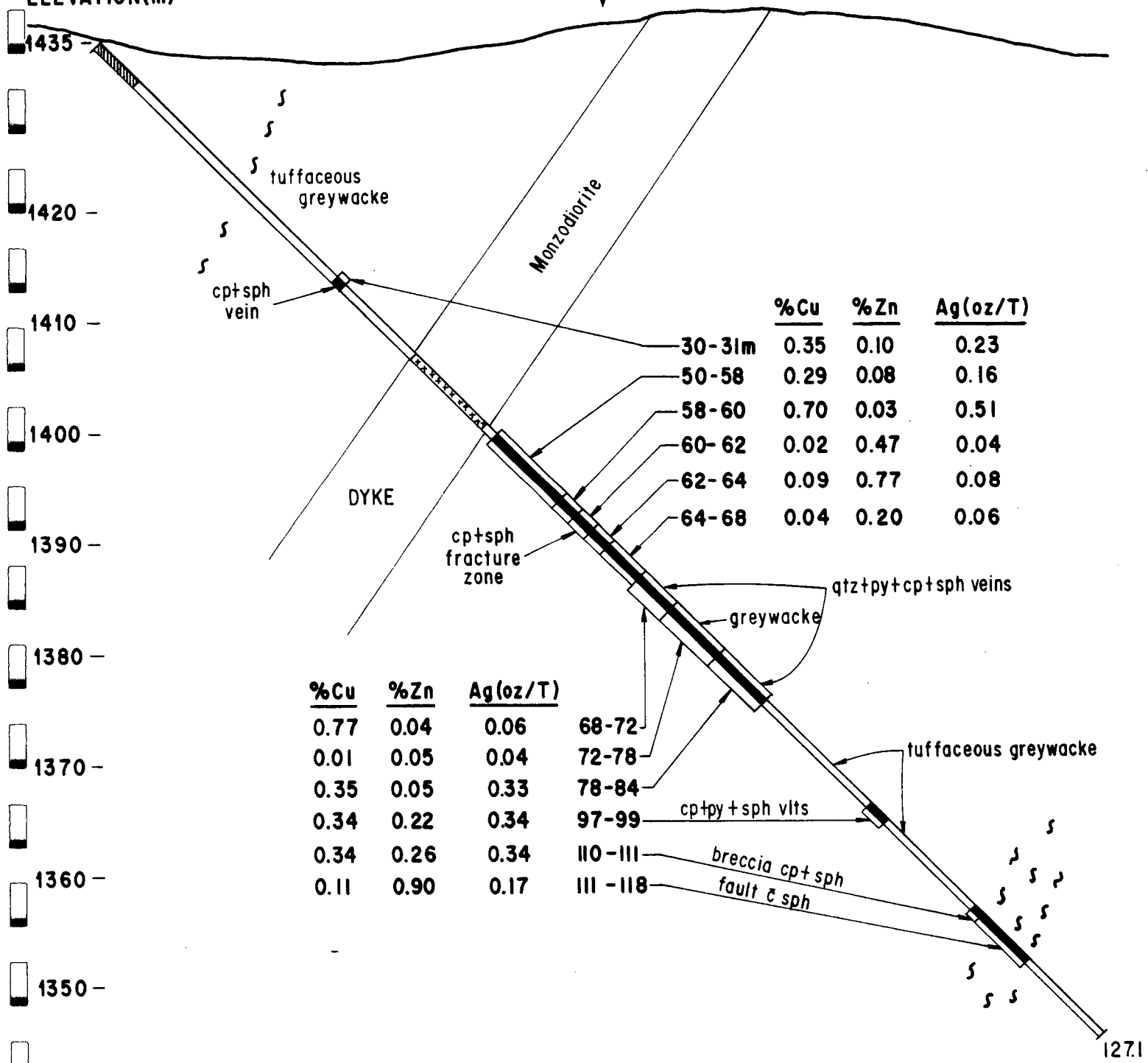
DDH# 81-109

150°

ELEVATION(m)

1435 -
1420 -
1410 -
1400 -
1390 -
1380 -
1370 -
1360 -
1350 -
1340 -

VLF X/O



	%Cu	%Zn	Ag(oz/T)
30-31m	0.35	0.10	0.23
50-58	0.29	0.08	0.16
58-60	0.70	0.03	0.51
60-62	0.02	0.47	0.04
62-64	0.09	0.77	0.08
64-68	0.04	0.20	0.06

%Cu	%Zn	Ag(oz/T)
0.77	0.04	0.06
0.01	0.05	0.04
0.35	0.05	0.33
0.34	0.22	0.34
0.34	0.26	0.34
0.11	0.90	0.17

68-72	qtz+py+cp+sph veins
72-78	greywacke
78-84	tuffaceous greywacke
97-99	cp+py+sph vlts
110-111	breccia cp+sph
111-118	fault c sph

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH# 81-109(L01W-40N)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. 84

127.1

PROPERTY GROUSE Mountain
 DRILL HOLE NO. 81-109
 DRILL TYPE BQWL
 DATES 9-11 July 1981

DRILL HOLE LOG & ASSAYS
 LOCATION D.1W-40N (APPROX)
 ELEVATION 1435m
 BEARING 150°
 DIP -45°

LENGTH 127.1m; 419ft
 % RECOVERY 90-95
 LOGGED BY I. Borovic, P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	4.8	4.8	CRSING				
	4.8	30.0	25.2	greyish green tuffaceous greywacke				
	30.0	31.0	1.0	"3cm cpt sph vlt 50° CA"		0.23	0.35	0.10
	31.0	39.0	8.0	"Sph + p + carb vlt 0-35° CA"				
	39.0	40.0	1.0	blk sphalerite + minor ep in silicified greywacke				
	40.0	49.5	9.5	monzonite dyke				
21387	50.0	58.0	9.0	"blebs & veins of carb + sph + cp + py 70° CA in greywacke"		0.16	0.29	0.08
	58.0	60.0	2.0	"silicified & 6cm carb + py + cp vlt 8° CA"		0.51	0.70	0.03
21388	60.0	62.0	2.0	fin. gr. greywacke & sph + cp vlt 25-20° CA; hematite		0.04	0.02	0.47
	62.0	64.0	2.0	" " sph + cp vlt 40° CA		0.08	0.09	0.77
21389	64.0	68.0	4.0	brecciated greywacke		0.06	0.04	0.20
	68.0	72.0	4.0	silicified greywacke 25% qtz + 10% cp + carb + sph 90° CA		0.06	0.77	0.04
21390	72.0	78.0	6.0	grey, barren, compact greywacke		0.04	0.01	0.05
	78.0	84.0	6.0	silicified greywacke, diss. py, trace sp, ep + calc, chlor frags		0.33	0.35	0.05
	84.0	97.0	13.0	gritstone & breccia & chlorite-epidote alt'n seams				
	97.0	99.0	2.0	cp + sph + py vlt 0-50° CA, chlor + ep + hem alt'n		0.34	0.34	0.22
	99.0	110.0	11.0	fin. gr. green greywacke & carb + hematite vlt 40-70° CA				
	110.0	111.0	1.0	"coarse breccia" & minor cp + sph		0.34	0.34	0.26
21391	111.0	118.0	7.0	med. gr. greywacke, fault & sph 116-118m		0.17	0.11	0.90
	118.0	127.1	9.1	"foliated green greywacke 50° CA"				
				END OF HOLE				
	50.0	84.0	34	weighted average		0.16	0.27	0.14

DDH# 81-110

160° →

75 N

50 N

25 N

0 N

ELEVATION (m)

1460

1450

1440

1430

1420

1410

1400

1390

1380

1370

VLF X/O

Copper Crown Zone

tuffaceous greywacke

10cm - sph+py vein

qtz+cp+py vein

footwall

SAMPLE	%Cu	%Zn	Ag (oz/T)
51-53 m	0.35	0.65	2.33
53-54	21396	0.86	0.26
54-55	-	0.79	0.65
55-60	21397	0.04	0.06
74-77	21398	0.06	0.03

Lake

Wt. Average	%Cu	%Zn	Ag (oz/T)
	0.59	0.55	1.86

ep+py+cp alteration seams

greywacke with interbedded gritstones

122

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH# 81-110 (L2.25E-70N)		
Compiled : P. PETO	Scale -1:500	Date : NOV. '84

PROPERTY Grouse Mountain
 DRILL HOLE NO. 81-110
 DRILL TYPE BQWL
 DATES 14-16 July 1981

DRILL HOLE LOG & ASSAYS
 LOCATION 2.25E-70N
 ELEVATION 1460 m
 BEARING 150°
 DIP -45

LENGTH 122.5 m; 402
 % RECOVERY 95
 LOGGED BY R. Borovic; P. Petro
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	1.4	1.4	CHSING				
	1.4	20.4	19.0	greywacke & grit beds, 15cm ep+sph+py vein & ep alt'n envelopes				
	20.4	51.0	30.6	as above, 10cm e+alt+sph+py vein 50°NE & 35m"				
	51.0	53.0	2.0	"coarse buff breccia & carb+py+sph+py vlt's 45°NE & alt'n - epidote alt'n." qtz+ep+sph vein; 5% diss py		2.33	0.35	0.65
				coarse blotches of sphalerite, replacement zone				
21396	53.0	54.0	1.0	qtz+ep+py vein, 20% diss sulphides, ep splashed &		0.46	0.86	0.26
	54.0	55.0	1.0	minor coarse sphalerite, replacement zone.		2.33	0.79	0.65
21397	55.0	60.0	5.0	grey, poorly mineralized, greywacke, footwall		0.06	0.04	0.06
	60.0	74.0	14.0	fr. facies greywacke & carb-hem vlt's 50-70°NE				
21398	74.0	77.0	3.0	dark, fine, greywacke & epidote+py+ep alteration occurs along fracs, dissch py.		0.06	0.06	0.03
	77.0	94.0	17.0	intomed gr. tuffaceous greywacke				
	94.0	105.0	11.0	"coarse buff breccia"				
	105.0	122.5	17.5	"light green" greywacke & interbedded gritstone				
				END OF HOLE				
	51.0	55.0	4.0	weighted average assay entire hole		1.86	0.59	0.55

DDH # 81-111 & 112

160° →

ELEVATION (m)

50N

25N

VLF X/O

0N

460
1450
1440
1430
1420
1410
1400
1390
1380
1370
1360
1350
1340

	%Cu	%Zn	Ag(oz/T)	
8-10m	0.38	0.27	0.46	
16-18	0.42	0.08	0.50	
17-22	0.01	0.04	0.01	
24-25	1.46	0.04	1.48	
27-31	0.23	0.02	0.11	Width
	0.65	0.03	0.88	2m

	%Cu	%Zn	Ag(oz/T)	
36-37m	N.A.	1.02	N.A.	Lake

	%Cu	%Zn	Ag(oz/T)
57-59	0.58	0.29	1.14
57-60	0.47	0.11	0.55
71.5-73	0.79	0.01	0.44
73-74	1.05	0.01	0.55
85-87	0.01	0.03	0.01
91-92.5	0.50	0.02	0.19

Weighted Average

% Cu	% Zn	Ag(oz/T)
0.90	0.01	0.49

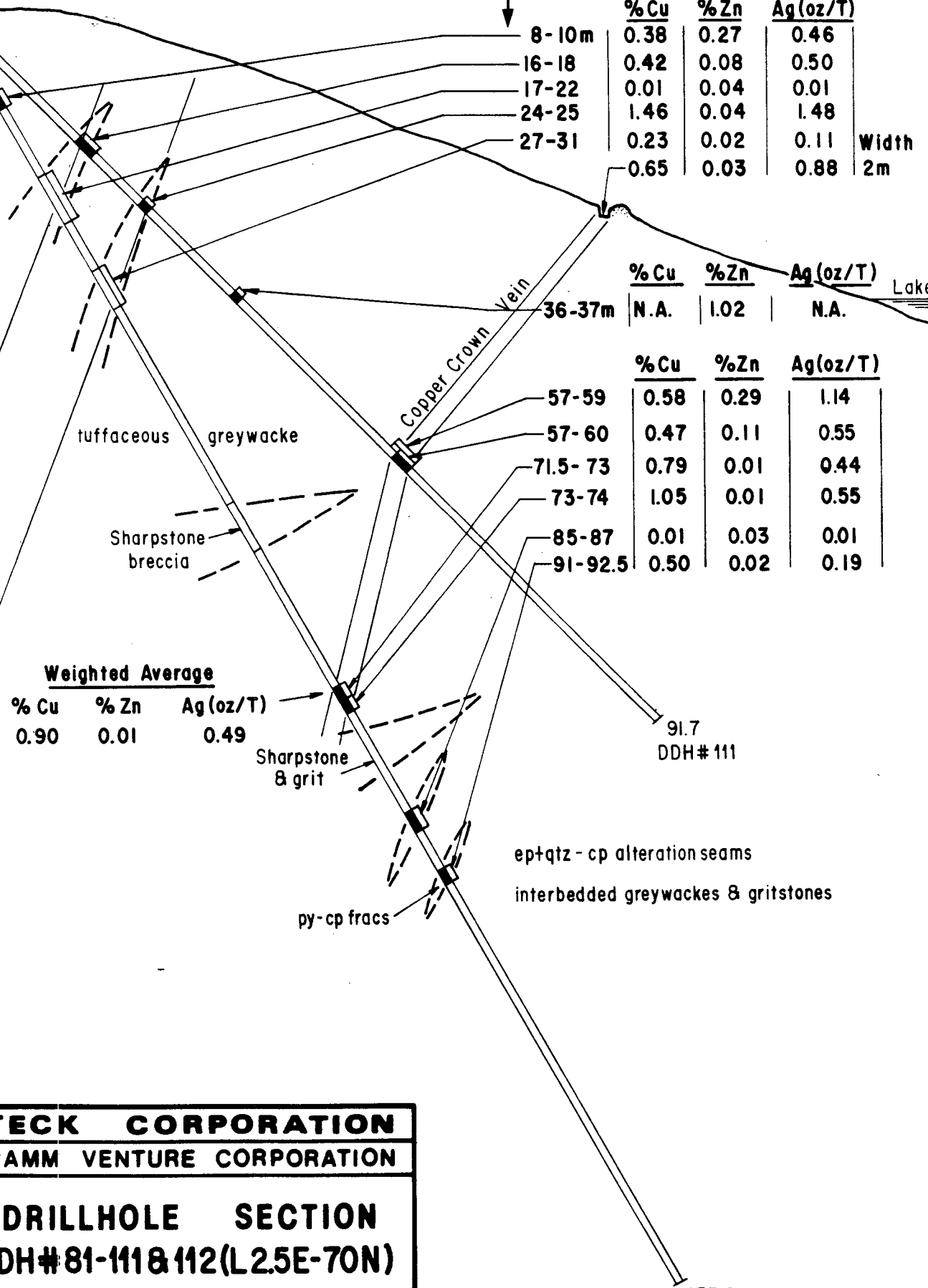
TECK CORPORATION

RAMM VENTURE CORPORATION

DRILLHOLE SECTION

DDH# 81-111 & 112 (L2.5E-70N)

Compiled: P. PETO | Scale: 1:500 | Date: NOV. 84



135.9 m
DDH# 112

PROPERTY GROUSE Mountain
 DRILL HOLE NO. 81-111
 DRILL TYPE BQWL
 DATES 16-18 JUNE 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L2.5E-70N
 ELEVATION 1460
 BEARING 160°
 DIP -45°

LENGTH 91.7m; 301ft
 % RECOVERY 95
 LOGGED BY R. Borovic, P. Pato
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	4.5	4.5	CASING				
	4.5	7.0	2.5	"greyish-green fine gr tuff, sph+py replacing fossils"				
	7.0	16.0	9.0	tuffaceous greywacke, dissemin. py, gtz-carb-chlor vltz				
	16.0	18.0	2.0	thin 10cm gtz+cp+epidote vltz 80° N.C.A.		0.50	0.42	0.08
	18.0	24.0	6.0	barren tuffaceous greywacke				
	24.0	25.0	1.0	40cm gtz+cp vein		1.48	1.46	0.04
	25.0	36.0	11.0	grey tuffaceous greywacke, sp. pyritic				
	36.0	37.0	1.0	CORE MISSING		-	-	1.02
	37.0	57.0	20.0	tuffaceous greywacke				
	57.0	59.0	2.0	gtz+ep+py veins & breccia ± 10% sulphides, in				
	59.0	60.0	1.0	compact pyritic greywacke.		1.14	0.58	0.29
	60.0	65.0	5.0	compact, grey, pyritic greywacke; 1-2cm carb-chlor veins 80° N.C.A.				
	65.0	91.7	26.7	"dark green, fine gr, foliated tuff ± carb vltz 30-40° N.C.A. py & sph in vltz c. 83-85m"				
				END OF HOLE				
	57.0	60.0	3.0	Copper rich vein		0.55	0.47	0.11
				NOTE: CORE MISSING 29 TO 54m & 64-91.7m				

PROPERTY Grouse Mountain
 DRILL HOLE NO. 81-112
 DRILL TYPE BQWL
 DATES 18-21 July 1984

DRILL HOLE LOG & ASSAYS
 LOCATION L2.5E-70N
 ELEVATION 1460m
 BEARING 160°
 DIP -60°
 (SAME COLLAR AS DDH III)

LENGTH 135.9m; 446ft
 % RECOVERY 70-95
 LOGGED BY R. BOROVIC; P. Peto
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	4.5	4.5	Casing				
	4.5	8.0	3.5	finer, tuffaceous greywacke				
21401	8.0	10.0	2.0	py+cp+sph frags, diss py, 25cm ep vlt 9.2m, oxidized		0.46	0.38	0.27
	10.0	17.0	7.0	tuffaceous greywacke, diss py, carb vlt				
21402	17.0	22.0	5.0	greywacke & occasional epidote-ep alt'n seams		0.01	0.01	0.04
	22.0	27.0	5.0	tuffaceous greywacke				
21403	27.0	31.0	4.0	as above, fine, 10-25cm ep+gtz+cp seams 60° N.C.A.		0.11	0.23	0.02
	31.0	52.0	21.0	greywacke				
	52.0	57.0	5.0	sharpstone Breccia & pyrite clots				
	57.0	71.5	14.5	fine to med greywacke, 5-10cm ep-gtz alt'n seams @ 68.86m		0.44	0.79	0.01
	71.5	73.0	1.5	light grey greywacke cut by 1-5mm gtz vlt &		0.55	1.05	0.01
	73.0	74.0	1.0	1-10cm cp seams, silicified replacement zone &				
	74.0	76.0	2.0	ep+py+sph vlt				
	76.0	80.0	4.0	sharpstone breccia & gritstone				
	80.0	85.0	5.0	greywacke & epidote alt'n seams to 5cm				
21404	85.0	87.0	2.0	ep+gtz+cp alt'n seams, diss py in greywacke		0.01	0.01	0.03
	87.0	91.0	4.0	greywacke				
	91.0	92.5	1.5	greywacke & 5cm gtz carb vlt 80° N.C.A., py-cp frags 40° N.C.A.		0.19	0.50	0.02
	92.5	135.9	43.4	interbedded greywacke & gritstones, 1-5cm ep-gtz veins 30-60° N.C.A., dilatational gtz-carb vlt 1-5mm, 0-10° N.C.A.				
END OF HOLE								

DDH# 81-113

75N

50N

25N

B.L.

160°

ELEVATION (m)

1465

1450-

1440-

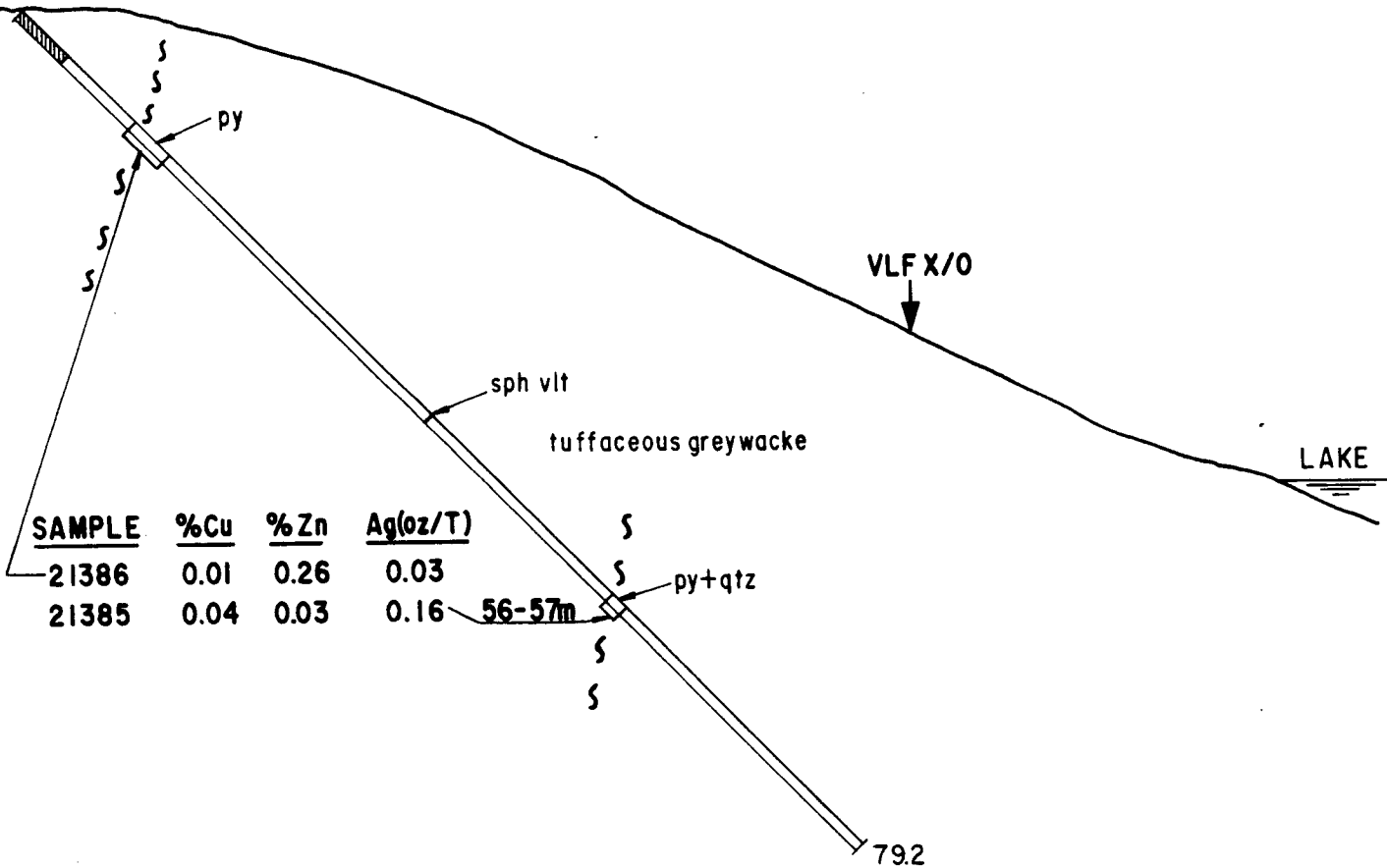
1430-

1420-

1410-

1400-

1390-



SAMPLE	%Cu	%Zn	Ag(oz/T)
21386	0.01	0.26	0.03
21385	0.04	0.03	0.16

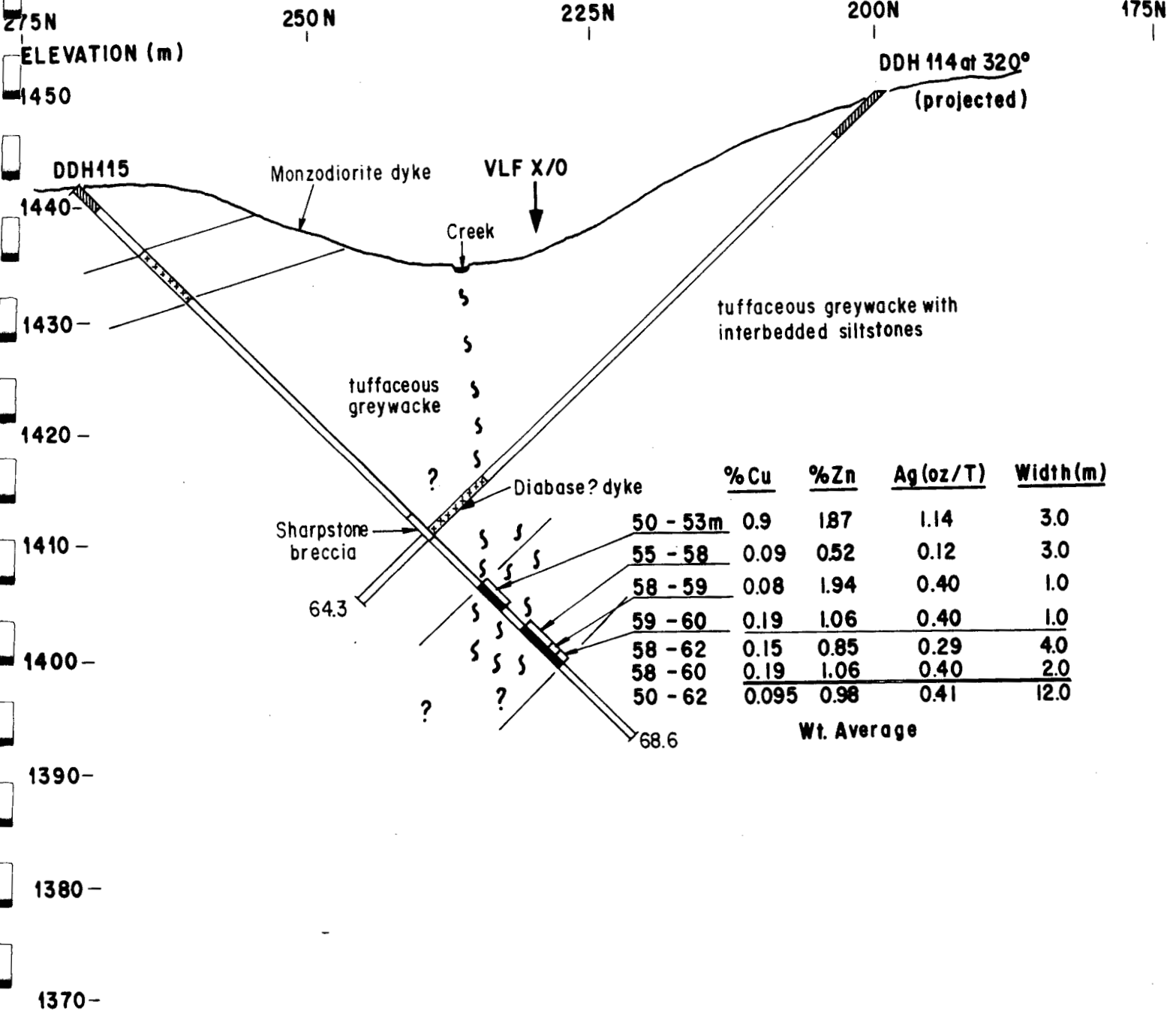
56-57m

79.2

TECK CORPORATION	
RAMM VENTURE CORPORATION	
DRILLHOLE SECTION	
DDH# 81-113(L2.75E-70N)	
Compiled : P. PETO	Scale -1:500
Date: NOV. '84	

DDH# 81-114 & 115

160°
→



TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH# 81-114 & 115 (L0.6E-270N)		
Compiled: P. PETO	Scale-1:500	Date: NOV '84

PROPERTY Crouse Mountain
 DRILL HOLE NO. 81-114
 DRILL TYPE BOWL
 DATES 23-25 July 1981

DRILL HOLE LOG & ASSAYS
 LOCATION 0.65E-200N (approx)
 ELEVATION 1450
 BEARING 320°
 DIP -45°

LENGTH 64.3m; 211 ft
 % RECOVERY 95
 LOGGED BY R. Borovic
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS				
					oz Au	oz Ag			
	0	4.7	4.7	Casing					
	4.7	8.0	3.3	grey, fn. gr. tuffaceous greywacke					
	8.0	23.5	15.5	fine to med. gr. tuffaceous siltstone					
	23.5	47.8	24.5	tuffaceous greywackes & intercalated siltstones					
	47.8	54.0	6.2	black, aphanitic, diabase dyke & chilled margins.					
	54.0	64.3	10.3	fn to med gr., tuffaceous greywacke END OF HOLE					
				NOTE: This hole did not intersect mineralized structure in Creek Zone as in DDH 81-115. No ASSAYS taken.					

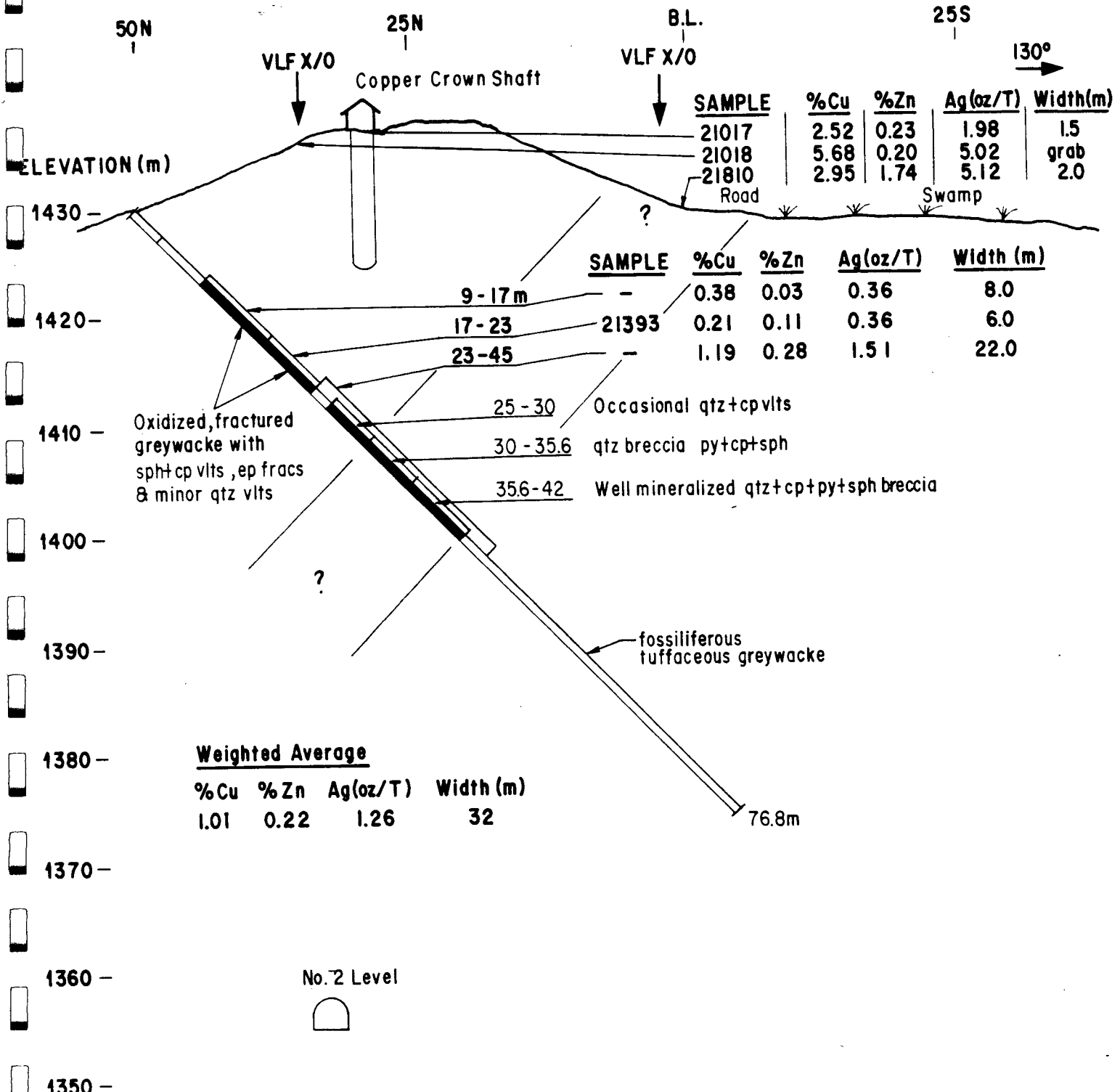
PROPERTY Grouse Mountain
 DRILL HOLE NO. 81-115
 DRILL TYPE BQWL
 DATES 25-27 July 1981

DRILL HOLE LOG & ASSAYS
 LOCATION 0.6E-270N
 ELEVATION 1442m
 BEARING 160°
 DIP -45°

LENGTH 68.6m; 225ft
 % RECOVERY 95
 LOGGED BY R. Barovic, P. Petu
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	%Cu	%Zn
	0	2.3	2.3	CASING				
	2.3	8.0	5.7	fn. to med. gr. tuffaceous greywacke				
	8.0	14.0	6.0	monzonitic dike				
	14.0	41.0	27.0	tuffaceous greywacke, bedding 30° NCA				
	41.0	44.0	3.0	shale, pyritic breccia				
	44.0	50.0	6.0	med gr. greywacke				
	50.0	53.0	3.0	greywacke, gtz+cp+py veins 90° NCA @ 50-2, 51 & 52.5m		1.14	0.9	1.87
	53.0	55.0	2.0	med gtz+cp-sph vein, py fracs, shaly - gtz vlt 60° NCA				
21392	55.0	58.0	3.0	highly fractured, 2-5cm gtz-cp vlt's in greywacke		0.12	0.09	0.52
	58.0	59.0	1.0	10cm sph+cp+gtz veins @ 58.4, 59.4, 59.5, 29% diss py		0.40	0.08	1.94
	59.0	60.0	1.0	5cm gtz+cp vlt @ 61.5, 70-70° NCA, brecciated		0.40	0.19	1.06
	60.0	68.6	8.6	tuffaceous greywacke				
				END OF HOLE				
				Summary: CREEK ZONE consists of several 5-10 cm gtz-cp+sph veins & irregular 1cm vlt's of gtz+py+cp, py fracs, 2-5% diss py 40-70° NCA with minor alteration, faulting @ 50 & 55m. Grades:				
	58.0	62.0	4.0			0.29	0.15	0.85
	58.0	60.0	2.0			0.40	0.19	1.06
	50.0	62.0	12.0	weighted average CREEK ZONE		0.41	0.1	0.98

DDH #81-118



SAMPLE	%Cu	%Zn	Ag(oz/T)	Width(m)
21017	2.52	0.23	1.98	1.5
21018	5.68	0.20	5.02	grab
21810	2.95	1.74	5.12	2.0

SAMPLE	%Cu	%Zn	Ag(oz/T)	Width (m)
9-17m	-	0.38	0.03	8.0
17-23	21393	0.21	0.11	6.0
23-45	-	1.19	0.28	22.0

Oxidized, fractured greywacke with sph+cp vlts, ep frags & minor qtz vlts

25-30 Occasional qtz+cpvlts
 30-35.6 qtz breccia py+cp+sph
 35.6-42 Well mineralized qtz+cp+py+sph breccia

fossiliferous tuffaceous greywacke

Weighted Average

%Cu	%Zn	Ag(oz/T)	Width (m)
1.01	0.22	1.26	32

76.8m

No. 2 Level



TECK CORPORATION

RAMM VENTURE CORPORATION

DRILLHOLE SECTION

DDH#81-118(L1.5W-50N)

Compiled: P. PETO	Scale-1:500	Date: NOV. 84
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PROPERTY Crouse Mountain
 DRILL HOLE NO. 81-118
 DRILL TYPE BQWL
 DATES 6-7 July 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 1.5W-50N (APPROX)
 ELEVATION 1430m
 BEARING 130°
 DIP -45°

LENGTH 76.8m; 252 ft
 % RECOVERY 70-95
 LOGGED BY R. Borevic, P. Peto
 PAGE 1 OF ONE

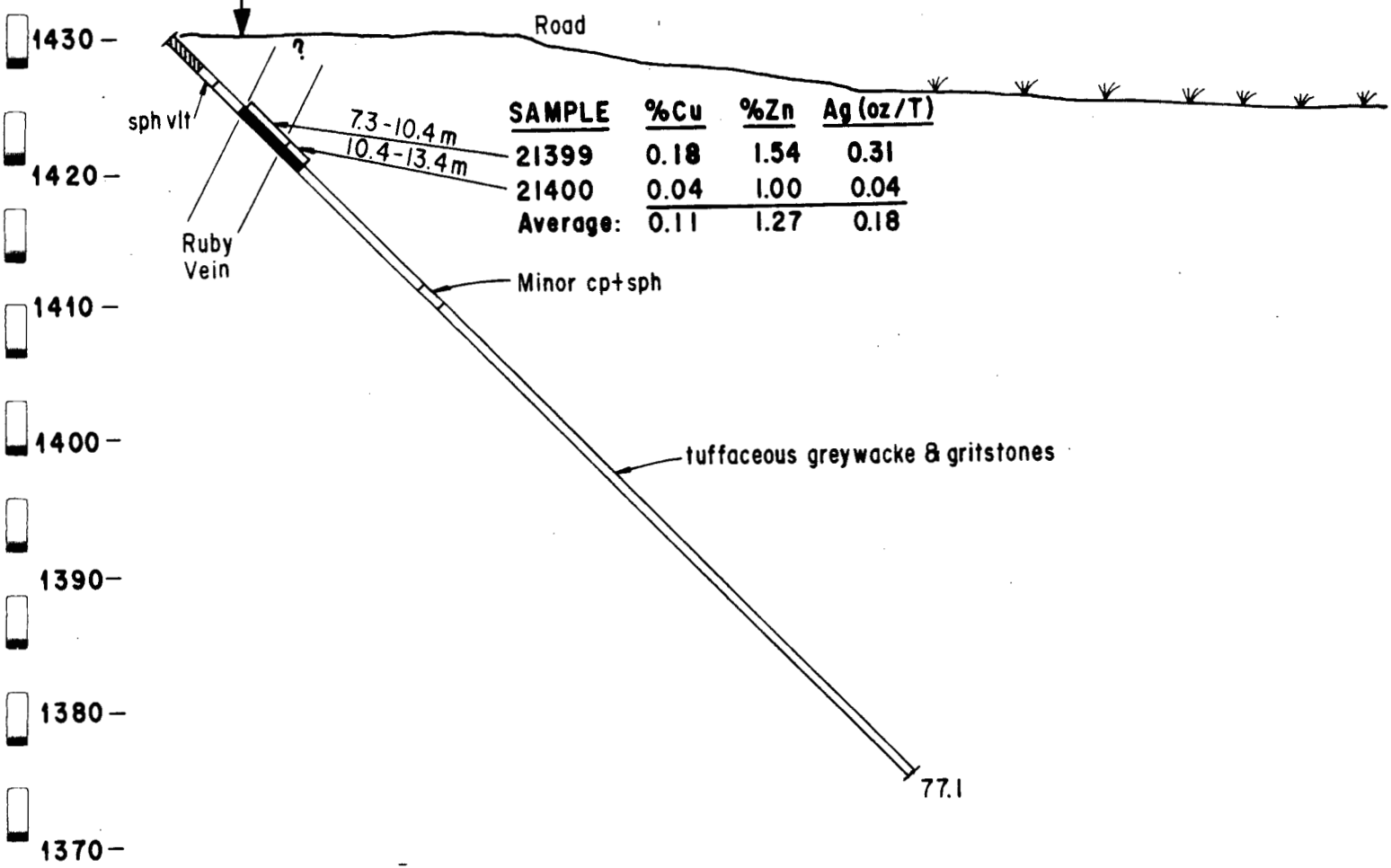
SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	3.2	3.2	Casing				
	3.2	9.0	5.8	fn gr. green tuffaceous greywacke				
	9.0	17.0	8.0	55-80% core recovery, oxidized, highly fractured greywacke ± ep+sph vlt's 30-40° NCH thin ep-gtz-carb vlt's 90° NCH, chlorite alt'n	-	0.36	0.38	0.03
21393	17.0	23.0	6.0	rare 1mm ep frags, few gtz vlt's, oxidized to 18m, compact greywacke	-	0.36	0.21	0.11
	23.0	25.0	2.0	fn gr green greywacke				
	25.0	30.0	5.0	occasional gtz-ep vein, brecciated greywacke ± chlorite frags, irregular gtz-carb vlt's				
	30.0	35.6	5.6	gtz breccia zone ± diss py, ep splashes & minor red sphalerite.				
	35.6	42.0	6.4	strongly mineralized gtz-ep-py-sph breccia zone				
	42.0	45.0	3.0	fine gr. green, fossiliferous greywacke				
	45.0	76.8	31.8	tuffaceous greywacke: CORE MISSING.				
				END OF HOLE				
	23.0	45.0	22.0	Summary: 28.5-43m mineralized interval in fn gr. greywacke consisting of gtz-ep-py-sph breccia, sulph segregation to 2cm, diss py, chlorite-clay alt'n, cut by late barren gtz-carb vlt's. Probable Copper Crown structure		1.51	1.19	0.28
	9.0	45	36	weighted average		1.26	1.01	0.22

DDH # 81-119

130°

25N | B.L. | 25S | 50S

ELEVATION(m)



SAMPLE	%Cu	%Zn	Ag (oz/T)
21399	0.18	1.54	0.31
21400	0.04	1.00	0.04
Average:	0.11	1.27	0.18

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH# 81-119(L1.9W-25N)		
Compiled : P. PETO	Scale -1: 500	Date: NOV. 84

PROPERTY Grouse Mountain
 DRILL HOLE NO. 81-119
 DRILL TYPE BQWL
 DATES 7-8 July 1984

DRILL HOLE LOG & ASSAYS
 LOCATION 1.9W-25N (APPROX)
 ELEVATION 1430 m
 BEARING 130°
 DIP -45°

LENGTH 77.1 m ; 253 ft
 % RECOVERY 95
 LOGGED BY R. Borovic, P. Petro
 PAGE 1 OF ONE

SAMPLE	FROM	TO	LENGTH	NOTES	ASSAYS			
					oz Au	oz Ag	% Cu	% Zn
	0	3.0	3.0	Casing				
	3.0	7.3	4.3	green, fine gr, tuffaceous greywacke, sph vlt 4m.				
21399	7.3	10.4	3.1	oxidized greywacke, lim frags, qtz+py+cp vlt, gouge 9.8 to 10.4 ± cp, chlor-carb-altin		0.31	0.18	1.54
21400	10.4	13.4	3.0	as above, sph+cp vlt, dissemin py, chlorite altin		0.14	0.04	1.00
	13.4	26.0	12.6	tuffaceous greywacke				
	26.0	28.0	2.0	qtz+carb vlt in greywacke ± coarse sph				
				blebs, minor cp, low grade				
	28.0	77.1	49.1	tuffaceous greywacke intercalated with gritstone				
				END OF HOLE				
			6.1	weighted average Au, Ag, Cu, Zn		0.18	0.11	1.27

DDH# 81-120

B.L.

VLF X/O

120°

ELEVATION
(m)

1440 -

Monzodiorite dyke

1430 -

LAKE

black flaggy argillite

1420 -

1410 -

grey sandstone argillite partings

1400 -

1390 -

grey to black sandstones
diss pyrite

1380 -

flaggy siltstones

1370 -

106.7 m

1360 -

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DRILLHOLE SECTION		
DDH# 81-120 (L0.18E-5S)		
Compiled: P. PETO	Scale: 1:500	Date: NOV. '84

APPENDIX 3

ASSAYS AND ANALYSES

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 6 1984

DATE REPORT MAILED: *Sept 10/84*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-2514 PAGE 1

SAMPLE#	CU %	ZN %	AG OZ/T
21385	.04	.03	.16
21386	.01	.26	.03
21387	.29	.08	.16
21388	.02	.47	.04
21389	.04	.20	.06
21390	.01	.05	.04
21391	.11	.90	.17
21392	.09	.52	.12
21393	.21	.11	.36
21394	.06	.10	.09
21395	.03	.20	.06
21396	.86	.26	.46
21397	.04	.06	.06
21398	.06	.03	.06
21399	.18	1.54	.31
21400	.04	1.00	.14
21401	.38	.27	.46
21402	.01	.04	.01
21403	.23	.02	.11
21404	.01	.03	.01

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 10 1984

DATE REPORT MAILED: *Sept. 14/84*

ASSAY CERTIFICATE

SAMPLE TYPE: ROCK CHIPS AU# 10 GRAM REGULAR ASSAY

ASSAYER: *D. J. Pepp* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-2562B PAGE 1

SAMPLE#	CU %	ZN %	AG OZ/T	AU OZ/T
21801	1.89	.05	.65	.001
21802	.71	19.98	2.83	.042
21803	.06	2.54	.30	.060
21804	.01	.07	.01	.001
21805	10.47	.09	4.62	.001
21806	1.00	.07	.45	.001
21807	1.40	.08	.88	.001
21808	1.48	.04	1.19	.009
21809	.73	3.59	.96	.001
21810	2.95	1.74	5.12	.001
STD C-8	1.07	2.01	5.51	-

ME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 10 1984

DATE REPORT MAILED: *Sept. 14/84*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL

ASSAYER: *D. J. J.* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-2562A PAGE 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
13W 175N	18	20	495	.4	5
13W 150N	46	57	647	.5	30
13W 125N	338	235	7674	2.4	24
13W 100N	341	159	4503	4.0	30
13W 75N	31	42	599	.5	18
13W 50N	100	188	1930	1.9	32
13W 25N	22	48	364	.4	15
13W 25S	44	48	744	.4	25
13W 50S	38	57	572	.3	16
13W 75S	15	53	320	.5	11
13W 100S	21	58	458	.3	15
13W 125S	72	37	279	.2	19
13W 150S	41	65	638	.6	12
13W 175S	14	29	347	.1	4
13W 200S	26	29	509	.2	20
13W 225S	21	41	327	.2	14
13W 250S	23	40	344	.4	20
11W 225N	35	95	2538	1.2	17
12.5E 400N	66	45	836	.4	107
12.5E 375N	194	53	2030	.7	68
12.5E 350N	126	85	1890	1.0	70
12.5E 325N	32	36	249	.4	28
12.5E 300N	37	49	560	.4	102
12.5E 275N	148	45	3543	1.5	260
12.5E 250N	40	71	814	.9	68
12.5E 225N	40	78	208	1.5	69
12.5E 200N	624	230	2018	1.7	117
12.5E 175N	37	43	191	.9	85
12.5E 150N	12	6	39	.1	6
12.5E 125N	667	2392	2902	9.3	176
13.5E 400N	42	88	412	.8	58
13.5E 375N	38	40	224	.5	32
13.5E 350N	30	29	160	.3	32
13.5E 325N	56	64	433	1.7	58
13.5E 275N	29	45	199	.3	65
13.5E 225N	26	58	282	.5	69
13.5E 200N	30	51	315	.6	97
13.5E 175N	37	113	547	.6	110
13.5E 125N	10	9	118	.1	8
STD C	58	39	123	7.3	39

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
13.5E 100N	36	39	413	1.0	63
13.5E 75N	24	169	973	.9	49
13.5E 50N	22	23	154	.4	49
13.5E 25N	27	21	102	.7	37
13.5E 0N	73	81	449	.7	35
14.5E 150N	26	27	247	.3	34
14.5E 125N	19	22	107	.2	17
14.5E 100N	29	33	277	.2	31
14.5E 75N	111	336	2177	.7	39
14.5E 50N	672	55	3619	1.4	76
14.5E 25N	92	31	423	.7	12
14.5E 0N	38	38	469	.2	27
100N 1375E	29	150	521	1.1	119
100N 1400E	27	27	228	.3	35
100N 1425E	26	43	226	.6	44
10N 250E	77	339	900	1.1	28
10N 275E	88	146	357	2.9	77
10N 300E	113	117	370	4.0	94
10N 325E	63	38	386	.8	21
10N 350E	53	60	439	.4	26
10N 375E	46	54	392	.3	25
10N 675E	31	21	206	.8	17
10N 700E	86	41	354	1.8	23
10N 725E	76	22	201	1.4	15
7.5N 930E	61	32	265	1.1	18
7.5N 950E	18	12	80	.4	6
7.5N 1000E	44	28	273	.8	20
7.5N 1100E	56	22	294	.9	16
7.5N 1125E	24	20	117	.4	13
7.5N 1150E	19	16	103	.1	9
5N 1450E	19	17	116	.3	16
5N 1475E	33	26	158	.2	10
5N 1500E	70	35	214	1.0	14
5N 1525E	35	31	149	.3	7
5N 1550E	29	26	184	.2	11
0N 75E	179	38	661	.8	51
0N 100E	603	90	952	4.2	90
0N 125E	79	51	485	.5	22
N-2	55	68	795	.2	25
STD C	58	39	125	7.0	39

AME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 14 1984

DATE REPORT MAILED: *Sept 19/84*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.

SAMPLE TYPE: SOIL

ASSAYER: *D. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION

PROJECT # 1326 FILE # 84-2635

PAGE 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
5W 625N	22	24	358	.1	19
5W 550N	560	112	4896	3.9	17
5W 525N	42	31	1104	.2	15
5W 475N	25	51	387	.1	25
5W 450N	29	105	933	.1	27
5W 425N	22	28	318	.3	24
5W 375N	23	35	416	.1	14
5W 350N	148	128	3442	1.2	26
5W 325N	139	71	1478	2.7	35
5W 275N	157	48	645	.7	20
5W 250N	215	89	2180	.9	35
5W 225N	47	29	803	.8	31
4W 550N	40	29	1887	.5	10
4W 525N	33	71	911	1.0	25
4W 500N	33	28	594	.1	24
4W 475N	32	38	1086	.1	21
4W 450N	58	4004	1621	9.1	14
4W 425N	26	163	907	.9	17
4W 400N	44	68	853	.8	27
4W 375N	44	101	1226	.6	29
4W 350N	32	65	1367	1.1	18
3W 750N	43	57	933	.6	28
3W 725N	34	44	609	.1	22
3W 675N	32	68	633	.3	16
3W 650N	50	61	899	1.2	17
3W 625N	33	43	582	.4	13
3W 575N	39	56	1361	.2	16
3W 525N	33	63	709	1.0	35
3W 475N	191	74	5448	.9	22
3W 450N	29	64	793	.6	23
3W 425N	26	41	746	.1	20
3W 400N	27	27	315	.1	22
3W 375N	45	225	456	1.1	21
3W 350N	41	34	387	.1	7
3W 325N	22	30	318	.2	13
2W 625N	18	35	331	.2	14
2W 600N	26	21	251	.1	12
STD C	58	40	123	6.4	40

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
2W 575N	119	143	1923	1.6	18
2W 550N	35	44	889	.8	17
2W 525N	58	62	1701	1.0	23
2W 500N	18	30	597	.9	27
2W 475N	37	169	1216	1.8	26
2W 425N	31	67	948	1.4	22
2W 400N	29	53	461	.2	27
2W 375N	24	44	434	.9	22
1W 550N	384	80	4041	2.5	18
1W 525N	120	154	1053	2.0	30
1W 500N	24	40	807	.8	11
1W 475N	24	85	1007	1.0	14
1W 425N	30	71	1858	1.4	15
1W 375N	25	27	308	.4	12
0W 525N	160	196	2029	2.9	28
0W 500N	126	49	3523	1.0	23
0W 475N	29	44	737	.8	18
0W 450N	51	75	2126	.8	23
0W 425N	63	101	3381	3.2	27
0W 400N	26	68	794	.7	19
0W 375N	29	84	1169	1.8	18
1E 525N	24	19	484	.6	14
1E 475N	29	71	698	.9	27
1E 450N	42	57	916	.4	26
1E 425N	23	58	508	.7	20
1E 375N	79	410	1351	5.5	29
2E 500N	25	38	265	.3	20
2E 475N	19	24	886	.1	12
2E 450N	28	30	480	.3	14
2E 425N	28	39	757	.1	11
2E 400N	55	68	1973	.9	14
2E 375N	47	36	1199	.2	11
STD C	58	39	125	6.4	37

ASME ANALYTICAL LABORATORIES LTD.
52 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 25 1984

DATE REPORT MAILED: *Sept 28/84*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AND ROCK

ASSAYER: *D. Joseph* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-2765 PAGE 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
12.5W 200N	12	24	307	.4	9
12.5W 175N	23	56	445	.4	15
12.5W 150N	22	32	543	.4	13
12.5W 125N	77	60	3541	.7	32
12.5W 100N	52	71	1025	1.2	30
12.5W 75N	33	61	504	.6	26
12.5W 25N	21	45	403	.3	36
12W 200N	55	235	1985	1.3	18
12W 175N	27	47	571	.9	32
12W 150N	16	33	286	.7	17
12W 125N	10	39	288	.5	9
12W 100N	201	251	2412	1.5	27
12W 75N	21	52	590	.2	33
0.3N 25E	42	28	401	.2	25
0.3N 50E	62	33	457	.6	72
0.3N 75E	49	32	361	.5	140
0.3N 100E	36	24	217	.2	32
0.3N 125E	48	31	255	.1	32
0.3N 150E	76	35	335	.6	23
0.3S 25E	53	25	359	.4	13
0.3S 50E	59	23	211	.4	20
0.3S 75E	54	24	264	.3	21
0.3S 100E	60	25	335	.5	26
0.3S 125E	82	25	327	.4	24
0.3S 150E	53	26	234	.3	26
21811	117	11	129	.4	16
STD C	58	39	125	6.3	42

ME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: OCT 5 1984
DATE REPORT MAILED: *Oct. 10/84*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU* 10 GRAM REGULAR ASSAY

ASSAYER: *A. J. J.* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-2923 PAGE 1

SAMPLE#	CU %	ZN %	AG OZ/T	AU OZ/T
21812	.01	.05	.06	.001
21813	.11	.05	.12	.001
21814	.01	.04	.02	.001
21815	.01	.04	.01	.001
21816	3.10	.03	1.21	.001
21817	.12	.01	.14	.001
21818	.01	.02	.01	.001
21819	.01	.02	.05	.001
21820	.02	.08	.28	.001
21821	.79	.02	.53	.001
21822	.03	.02	.04	.001
21823	.01	.02	.01	.001
21824	.01	.01	.07	.001
21825	.01	.01	.01	.001
21826	.01	.47	.02	.001
21827	1.01	.02	.59	.001
21828	.47	.03	.21	.001
21829	.01	.02	.02	.001
21830	.01	.02	.03	.001
21831	.29	.03	.29	.001
21832	.01	.09	.01	.001
21833	1.15	.10	.82	.005
21834	.60	.13	.41	.001
21835	4.05	2.95	3.65	.001
21836	.12	.07	.35	.001
21837	.01	.02	.03	.001
21838	.18	.31	.35	.001
21839	.02	.14	.04	.001
21840	.04	.14	.03	.001
21841	.02	.31	.03	.001
21842	.08	.04	.09	.001
21843	.02	.11	.04	.001
21844	.02	.35	.03	.001
21845	.01	.05	.01	.001
21846	.01	.03	.02	.001
21847	.01	.03	.03	.001
STD C-8	1.07	2.04	5.55	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: OCT 12 1984
DATE REPORT MAILED: *Oct. 17/84...*

ASSAY CERTIFICATE

- SAMPLE TYPE: ROCK CHIPS AUX 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-3005B PAGE 1

SAMPLE#	Cu %	Zn %	Ag oz/t	Au oz/t
21851	.01	.19	.03	.001
21852	.01	.22	.09	.001
21853	.02	.06	.25	.003
21854	.03	1.47	.30	.008
21855	.11	7.74	.72	.005
21856	.02	1.07	.13	.001
21857	.01	.59	.12	.002
21858	.11	1.86	.34	.002

ME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: OCT 15 1984
DATE REPORT MAILED: Oct 17/84

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU* 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-3019 PAGE 1

SAMPLE#	Cu %	Zn %	Ag oz/t	Au oz/t
21848	.02	.03	.02	-
21849	.03	.48	.28	-
21874	.01	.25	.01	-
21875	.38	7.10	.84	.001
21876	.07	2.27	.23	.001
21877	.01	.05	.01	-
21878	.01	.04	.01	-
21879	.02	.12	.11	.001
21880	.01	.01	.04	-
21881	.05	2.27	.18	.001
21882	.01	.04	.03	-
21883	1.21	.80	.97	.001
21884	.01	.01	.08	.001
21885	.04	.46	.08	-
STD C-8	1.07	2.07	5.54	-

ME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: OCT 14 1984

DATE REPORT MAILED: *Oct 17/84*

ASSAY CERTIFICATE

-
-
- SAMPLE TYPE: CORES AU** BY FIRE ASSAY

ASSAYER: *D. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 G.M. FILE # 84-3011 PAGE 1

SAMPLE#	Cu %	Zn %	Ag oz/t	Au** oz/t
21859	.01	.16	.10	-
21860	.04	.65	.09	-
21861	1.16	.06	.70	.001
21862	.32	.09	.21	.001
21863	.57	24.10	1.02	.001
21864	.86	.57	.88	.001
21865	.02	.42	.13	-
21866	.03	.08	.14	-
21867	.23	.05	.27	-
21868	.85	3.09	.87	.001
21869	.03	.22	.06	-
21870	1.85	2.92	1.88	.007
21871	.03	.42	.06	-
21872	.83	.30	.77	.001
21873	.01	.25	.02	-

ME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: OCT 12 1984

DATE REPORT MAILED:

Oct 17/84

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR Mn, Fe, Ca, P, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Si, Zr, Ce, Sn, Y, Nb and Ta. Au DETECTION LIMIT BY ICP IS 3 ppm.
 - SAMPLE TYPE: SOILS

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-3005A PAGE 1

SAMPLE#	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm
6W 700N	26	177	776	.7	18
6W 675N	23	130	1194	1.7	19
6W 650N	53	54	1575	.1	19
6W 625N	23	30	420	.3	13
6W 600N	28	24	820	.4	24
6W 575N	23	37	436	.2	19
6W 550N	122	94	1521	1.6	47
6W 525N	26	59	442	.6	22
6W 500N	14	37	245	.2	14
6W 450N	16	24	568	.2	6
6W 425N	58	25	1060	.3	8
6W 375N	48	62	1002	.5	27
6W 350N	20	33	452	.4	10
6W 300N	64	29	1176	.4	13
6W 275N	46	58	471	.1	37
6W 250N	117	56	1126	.9	32
6W 225N	55	50	616	1.1	35
6W 200N	59	35	550	.4	20
6W 175N	44	32	169	.2	4
6W 150N	20	33	372	.6	15
6W 125N	233	1293	6010	1.8	55
6W 100N	65	43	238	.1	3
6W 75N	54	44	436	.3	15
6W 50N	43	53	499	.2	18
6W 25N	62	18	280	.1	2
5W 175N	53	66	575	.3	24
5W 150N	39	94	1022	1.5	39
5W 125N	28	55	298	.1	23
5W 100N	24	49	347	.2	25
5W 75N	21	93	222	.4	18
5W 50N	24	64	437	.1	6
5W 25N	28	51	375	.1	18
4W 700N	23	35	810	.1	19
4W 675N	252	95	1615	2.0	26
4W 650N	45	37	696	.7	22
4W 625N	23	33	379	.5	15
4W 575N	143	153	3722	1.3	26
STD C	60	42	125	6.8	39

SAMPLE#	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm
4W 325N	27	39	635	.6	22
4W 225N	16	16	189	.2	13
4W 200N	42	48	340	.2	42
4W 145N	23	46	196	1.0	20
4W 125N	38	86	657	.4	33
4W 100N	63	104	1014	.3	37
4W 75N	35	49	562	.6	30
4W 50N	53	48	385	.9	19
4W 25N	39	70	657	.8	26
STD C	59	41	122	6.9	41

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: OCT 24 1984

DATE REPORT MAILED: *Oct 30/84*

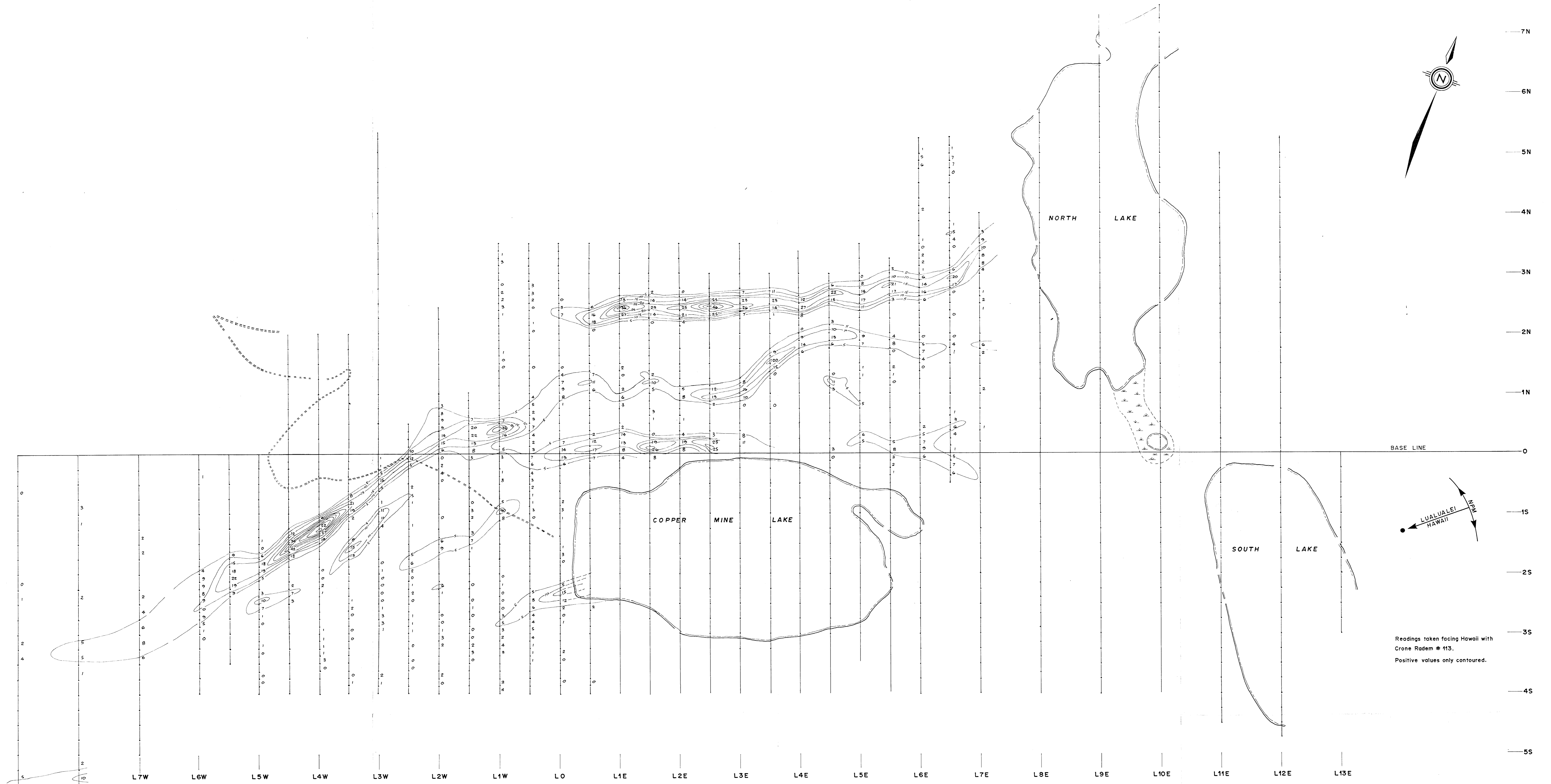
ASSAY CERTIFICATE

-
-
-
- SAMPLE TYPE: ROCKS & CORES AU* 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER

TECK EXPLORATION PROJECT # 1326 FILE # 84-3132 PAGE 1

SAMPLE#	Cu %	Zn %	Ag oz/t	Au oz/t	Drill	+ FOOTAGE
					Hold #	
21850 ROCK	5.01	.14	2.10	.001		
21886 ROCK	.17	.53	.23	.007		
21887	.67	.04	.27	.001		
21888	.15	.05	.07	.001		
21889	.15	1.17	.06	.001		
21890	.02	.19	.16	.001		
21891	.03	.18	.02	.001		
21892	.43	.51	.21	.001		
21893	.05	.41	.16	.001		
21894	.01	.79	.07	.001		
21895	.01	.44	.08	.001		
21896	.02	1.44	.28	.011		
21897	.08	6.13	.39	.001		
21898	.01	.19	.02	.001		
21899	.29	5.92	1.13	.001		
21900	.37	7.54	.84	.001		
21901	.01	.38	.08	.001		
STD C-8	1.07	2.07	5.55	-		



Readings taken facing Hawaii with
Crone Radem # 413.
Positive values only contoured.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

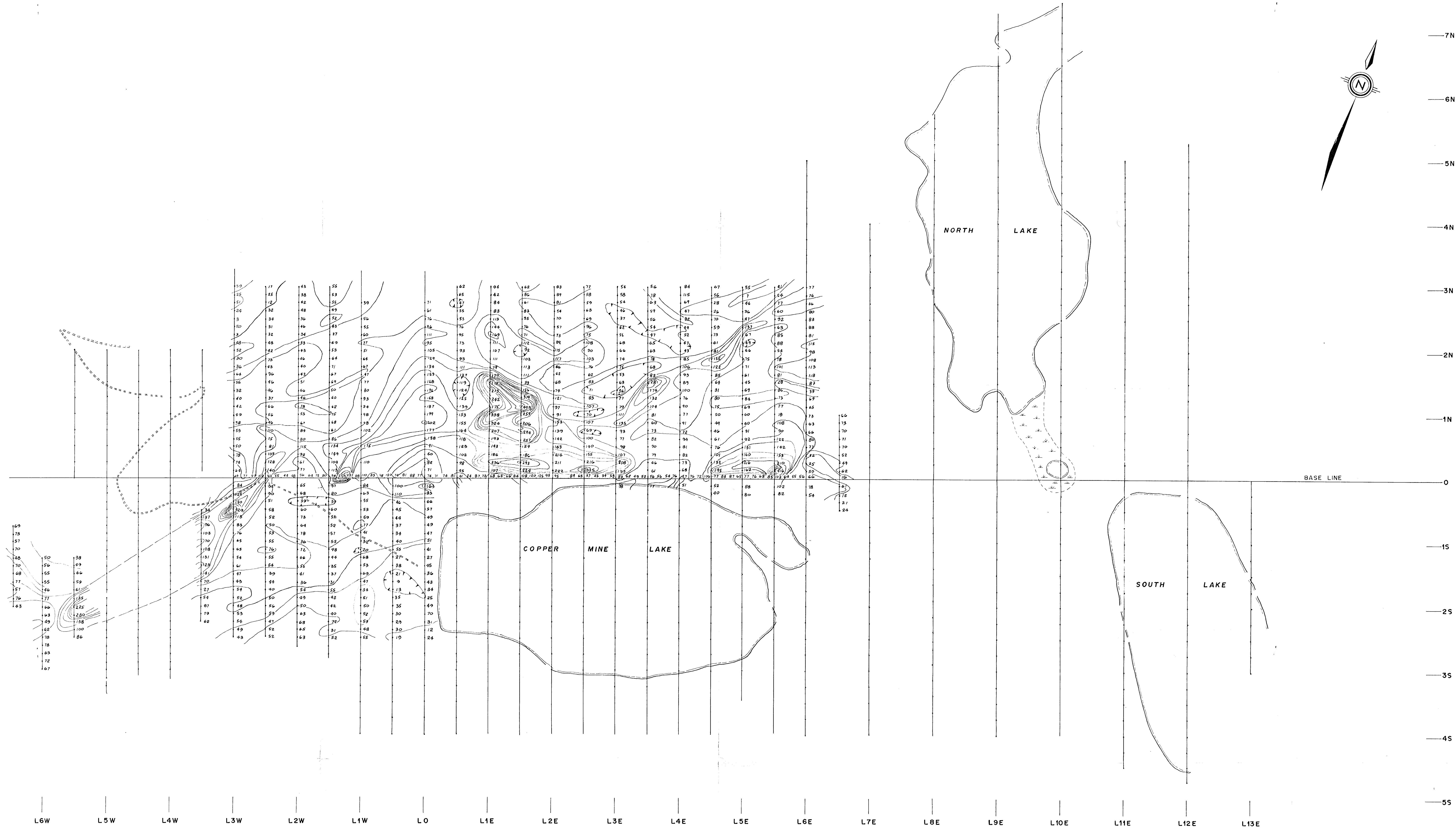
14,256

TECK CORPORATION				
RAMM VENTURE CORPORATION				
GROUSE MOUNTAIN PROPERTY				
OMINECA M.D.	NTS 93L/10E	B.C.		
VLF-EM SURVEY				
SCALE 1:2500	OPERATOR K. McKIRDY	DRAWN BY DCS	DATE JULY 1984	FIGURE NO. 6

L9W L8W

L7W L6W L5W L4W L3W L2W L1W L0 L1E L2E L3E L4E L5E L6E L7E L8E L9E L10E L11E L12E L13E

7N
6N
5N
4N
3N
2N
1N
0
1S
2S
3S
4S
5S

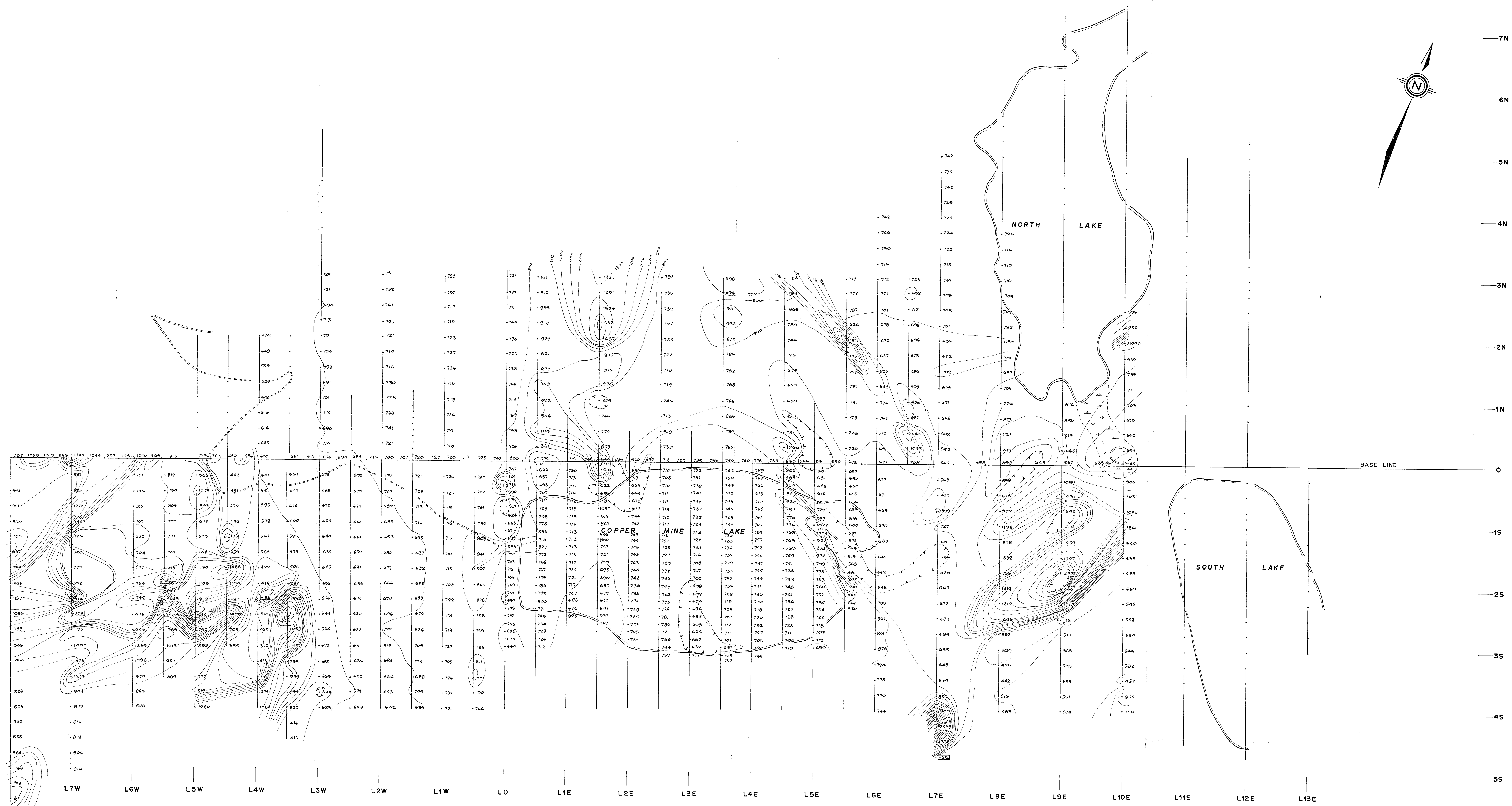


ARRAY : SIMPLE DIPOLE, STATIONARY POT NEGATIVE
 MAP VALUES = 110 mV - TIME ADJ. READINGS
 GRID ORIGIN : 1W 0+00N

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

14,256

TECK CORPORATION				
RAMM VENTURE CORPORATION				
GROUSE MOUNTAIN PROPERTY				
OMINECA M.D.	NTS 93L/10E	B.C.		
SELF-POTENTIAL SURVEY				
Contours every 25 mV				
0 50 100 150 200 250				
METRES				
SCALE 1: 2500	DATA BY: K. McKIRDY	DRAWN BY: DCS	DATE: JULY, 1984	FIGURE NO: 7



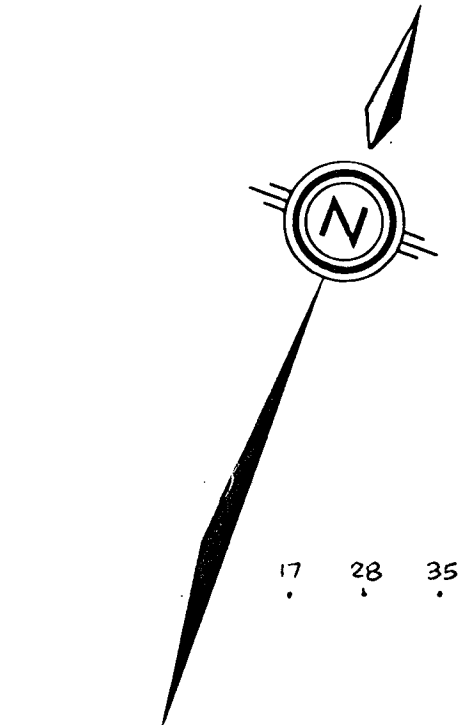
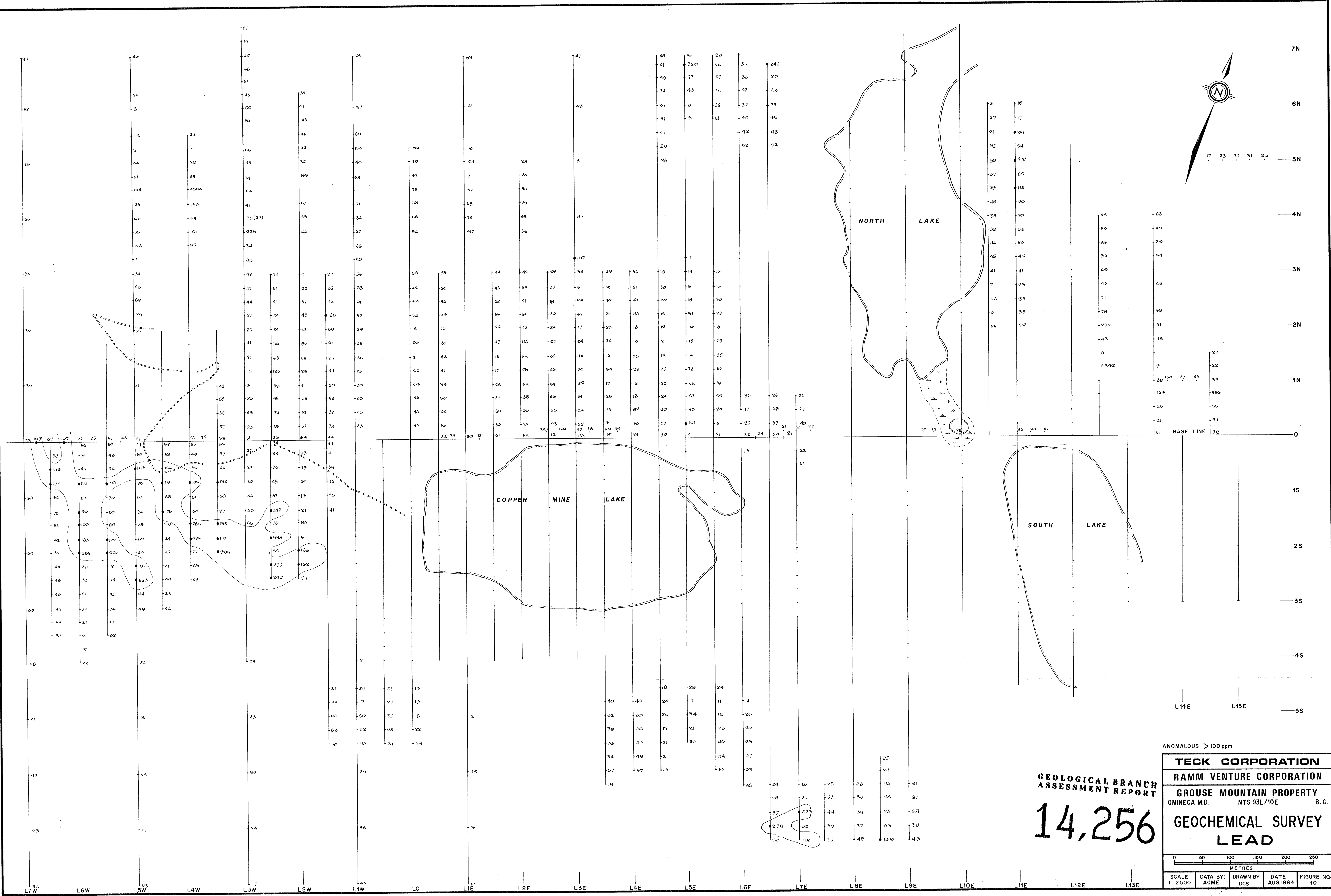
GEOLOGICAL BRANCH
ASSESSMENT REPORT

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NOTE: ADD 57062 γ TO GET TOTAL
MAGNETIC FIELD AT STATION.

INSTRUMENT: GEOMETRICS G816/826

TECK CORPORATION			
RAMM VENTURE CORPORATION			
GROUSE MOUNTAIN PROPERTY			
OMINECA M.D.	NTS 93L/10E	B. C.	
MAGNETOMETER SURVEY			
Magnetic Contours Every 100 Gammas			
0 50 100 150 200 250			
METRES			
SCALE 1:2500	OPERATOR K. McKIRDY	DRAWN BY DCS	DATE JULY, 1984
			FIGURE NO. 8

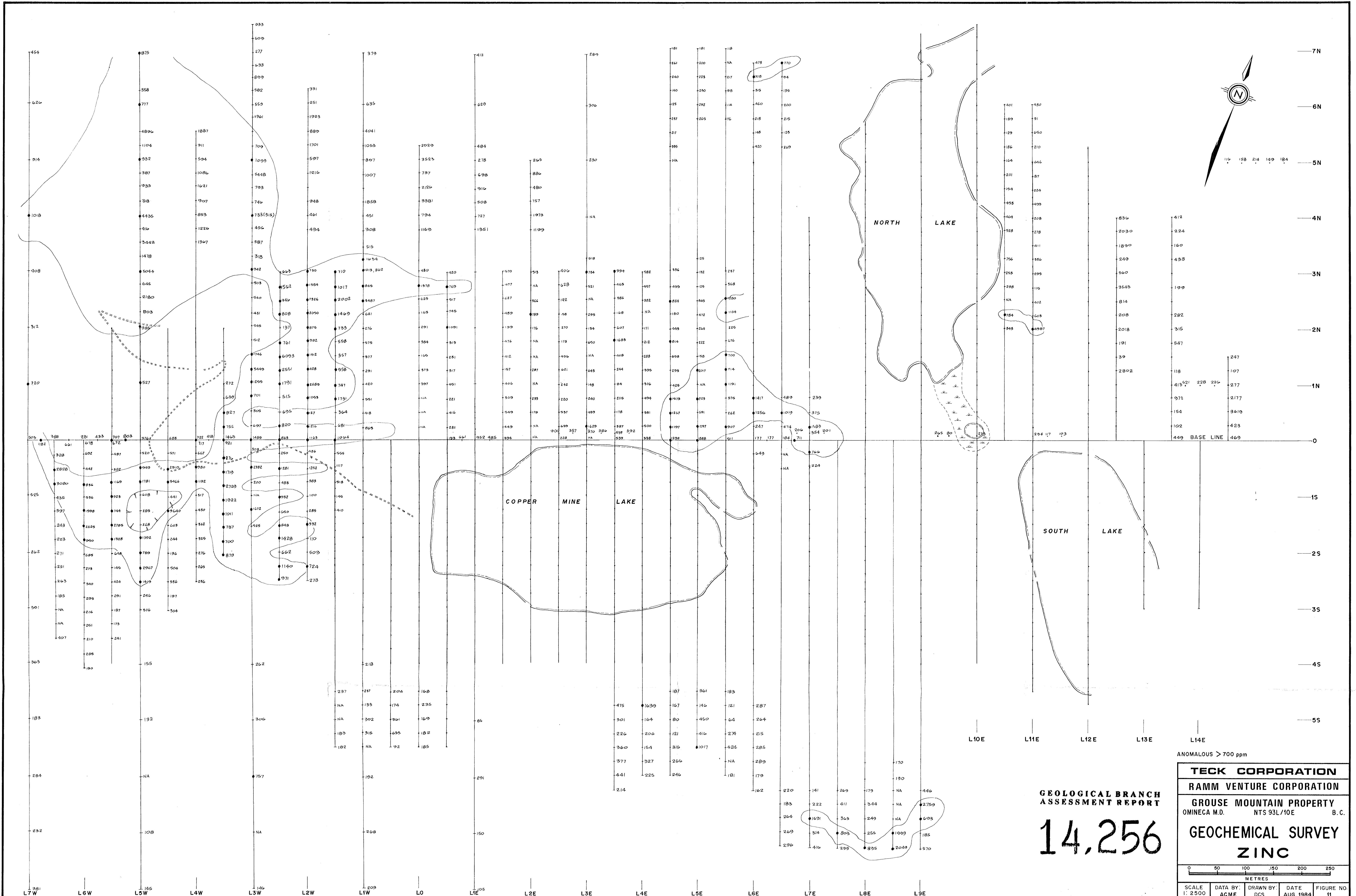


ANOMALOUS > 100 ppm

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,256

TECK CORPORATION				
RAMM VENTURE CORPORATION				
GROUSE MOUNTAIN PROPERTY				
OMINECA M.D.	NTS 93L/10E	B.C.		
GEOCHEMICAL SURVEY				
LEAD				
SCALE 1: 2500	DATA BY ACME	DRAWN BY DCS	DATE AUG. 1984	FIGURE NO 10



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,256

ANOMALOUS > 700 ppm

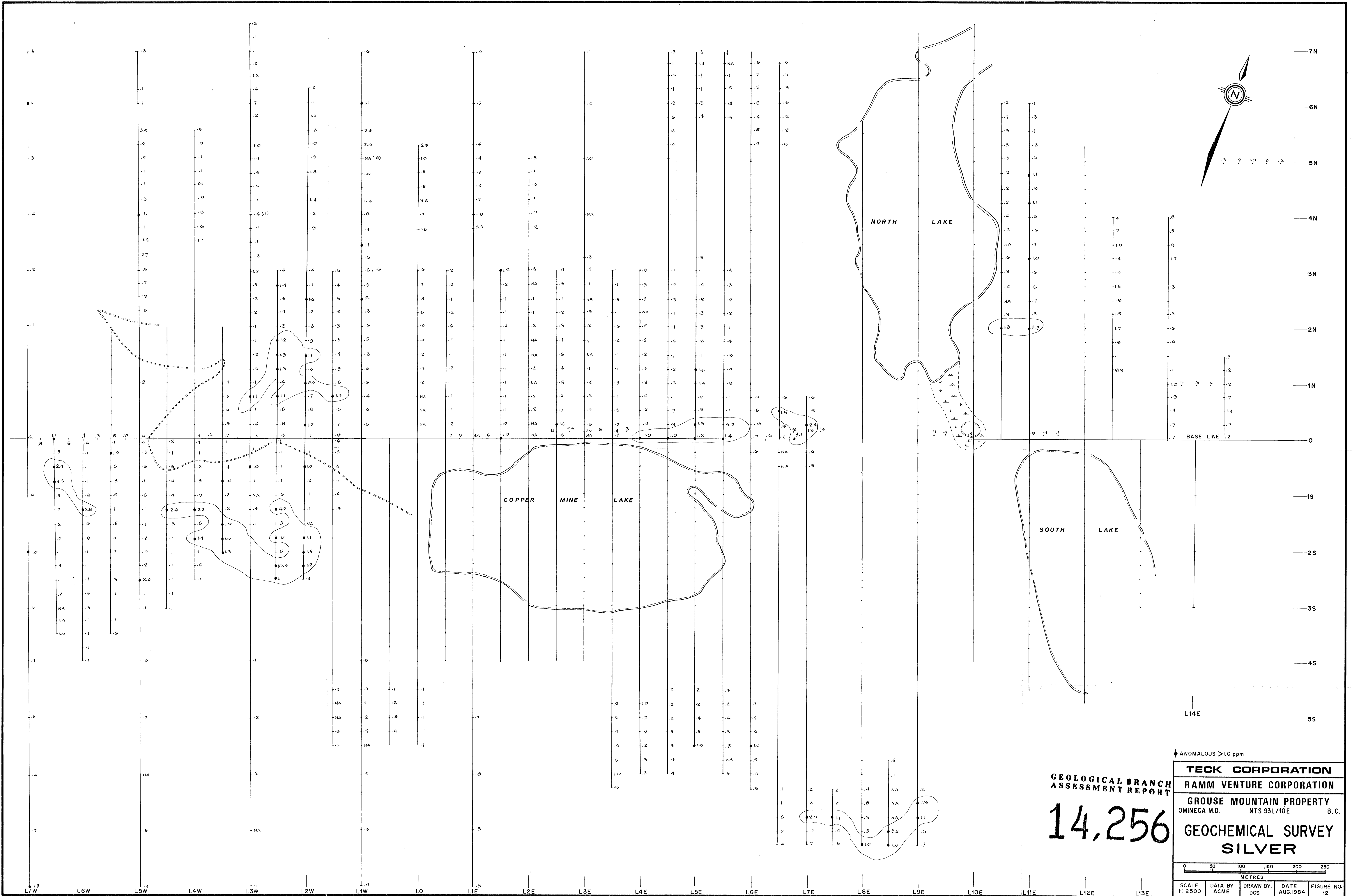
TECK CORPORATION
RAMM VENTURE CORPORATION

GROUSE MOUNTAIN PROPERTY
 OMINCA M.D. NTS 93L/10E B.C.

GEOCHEMICAL SURVEY
ZINC

0 50 100 150 200 250
 METRES

SCALE 1: 2500 DATA BY: ACME DRAWN BY: DCS DATE: AUG. 1984 FIGURE NO: 11



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,256

◆ ANOMALOUS >1.0 ppm

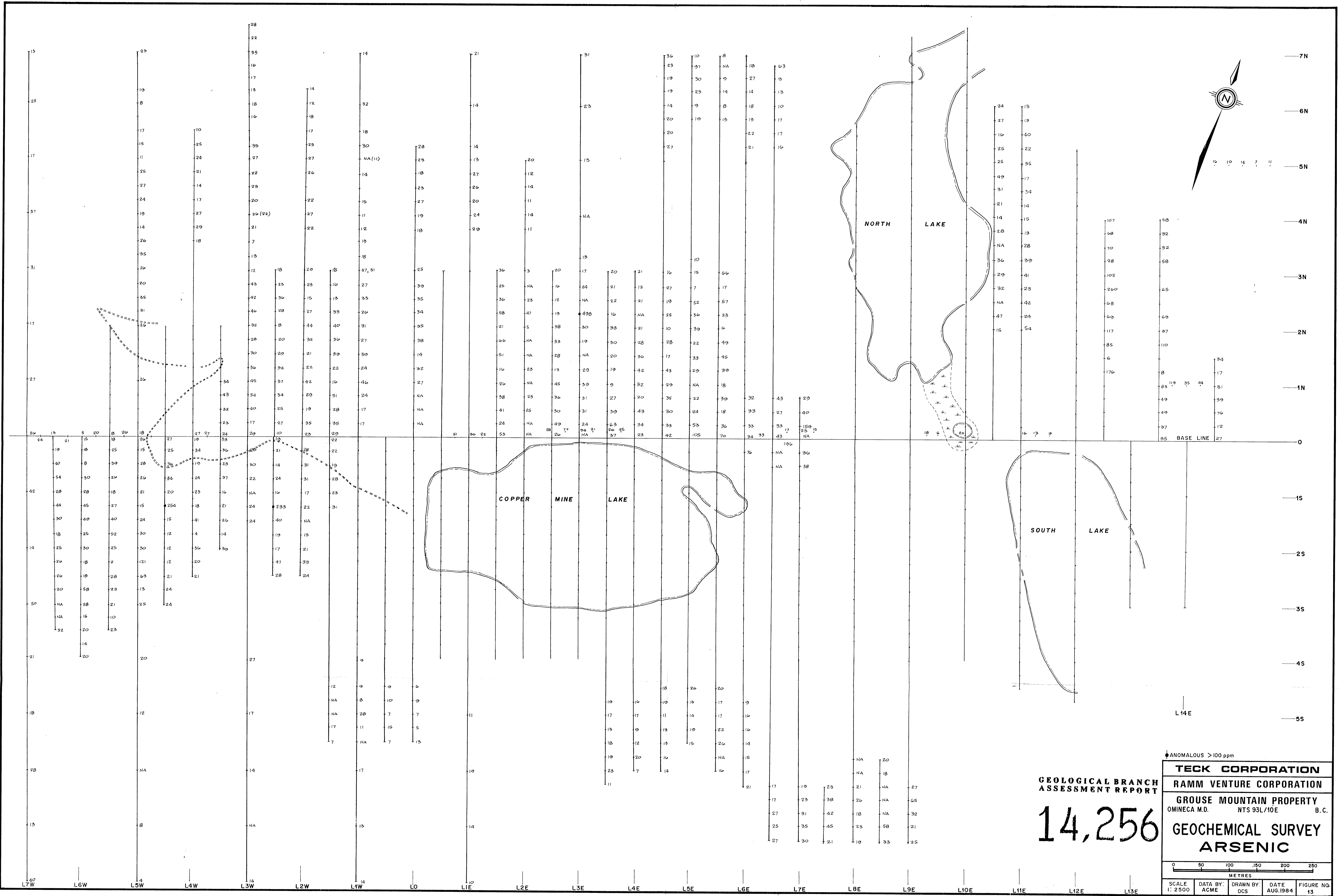
TECK CORPORATION
RAMM VENTURE CORPORATION

GROUSE MOUNTAIN PROPERTY
OMINECA M.D. NTS 93L/10E B.C.

GEOCHEMICAL SURVEY
SILVER

0 50 100 150 200 250
METRES

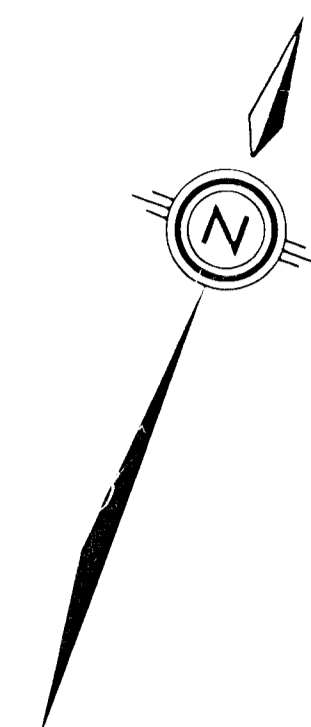
SCALE 1:2500	DATA BY: ACME	DRAWN BY: DCS	DATE AUG.1984	FIGURE NO. 12
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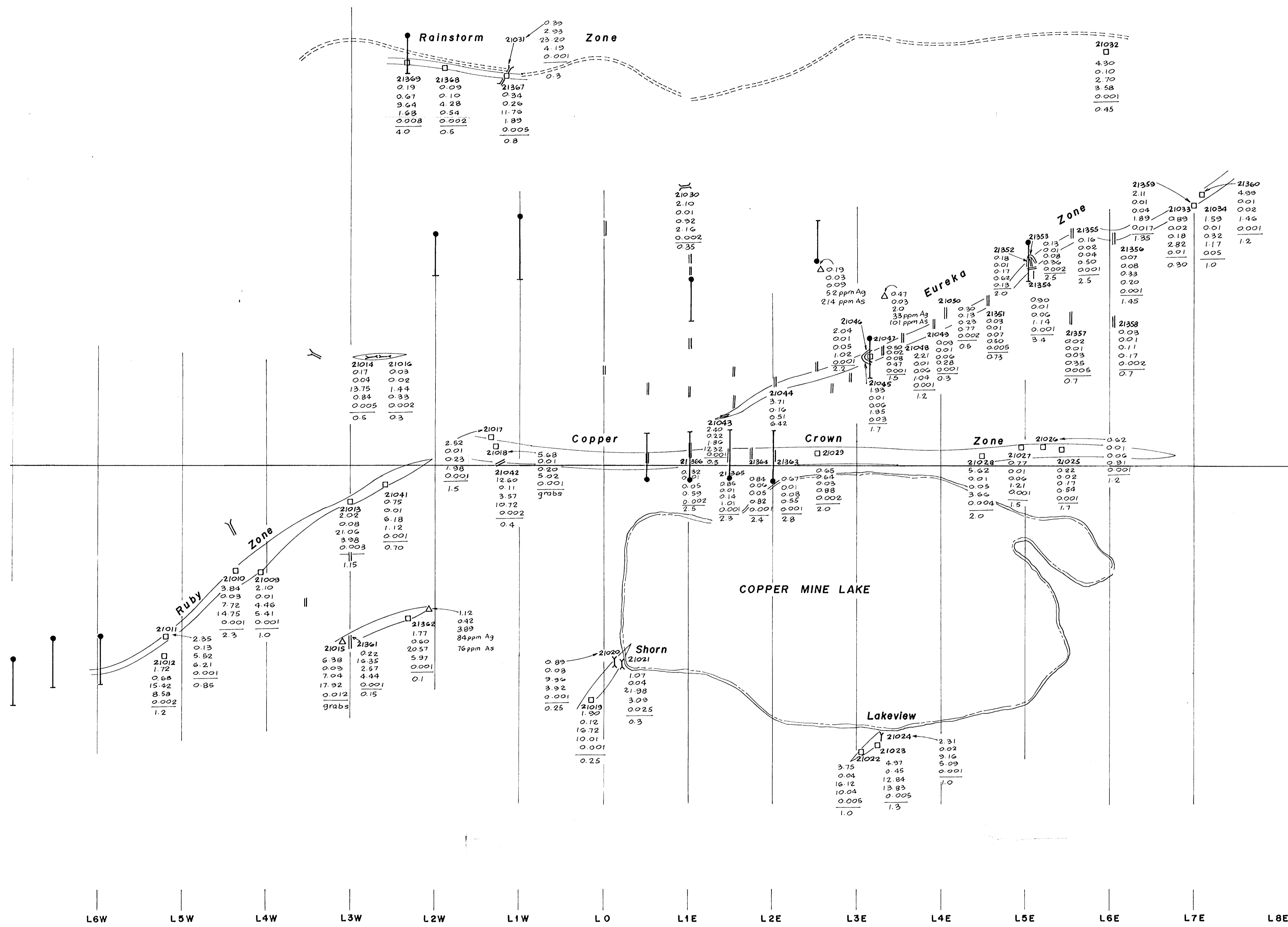
GEOLOGICAL BRANCH
 ASSESSMENT REPORT

14,256

♦ ANOMALOUS >100 ppm
TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
 OMINICA M.D. NTS 93L/10E B.C.
GEOCHEMICAL SURVEY
ARSENIC
 0 50 100 150 200 250
 METRES
 SCALE 1: 2500 DATA BY: ACME DRAWN BY: DCS DATE AUG.1984 FIGURE NO. 13



7N
6N
5N
4N
3N
2N
1N
0
-1S
-2S
-3S
-4S
-5S

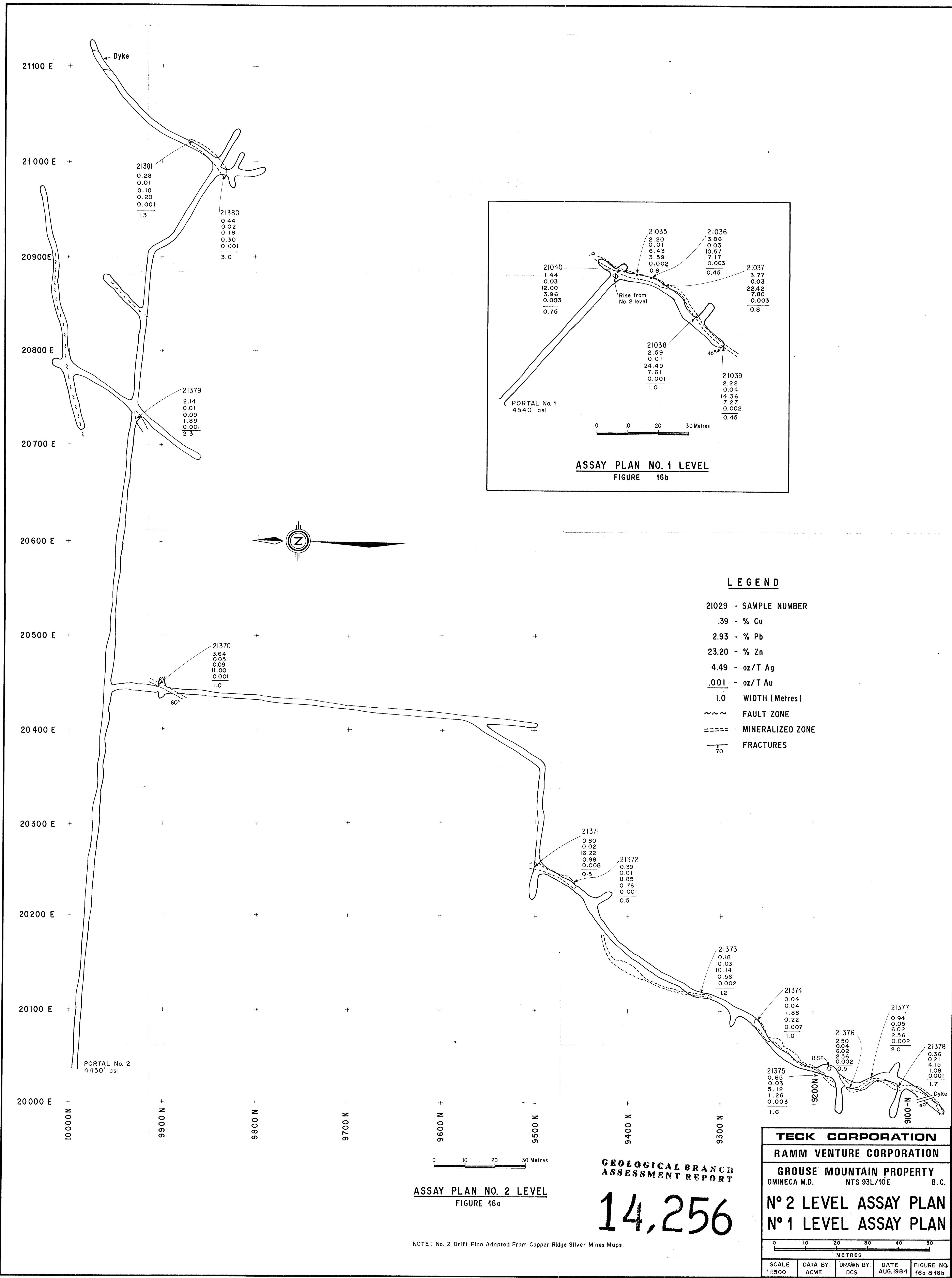


LEGEND

- OPEN CUT OR PIT
- HAND DUG TRENCH
- BULLDOZER TRENCH
- || BACKHOE TRENCH
- ADIT
- △ FLOAT
- ==== ROAD
- 21029 - SAMPLE NUMBER
- .39 - % Cu
- 2.93 - % Pb
- 23.20 - % Zn
- 4.19 - oz/T Ag
- .001 - oz/T Au
- 1.0 - WIDTH (Metres)
- PROPOSED DRILL LOCATIONS

14,256

TECK CORPORATION				
RAMM VENTURE CORPORATION				
GROUSE MOUNTAIN PROPERTY				
OMINECA M.D.		NTS 93L/10E		B.C.
SURFACE ASSAY PLAN				
0 50 100 150 200 250 METRES				
SCALE 1:2500	DATA BY ACME	DRAWN BY DCS	DATE AUG, 1984	FIGURE NO. 15



14,256

ASSAY PLAN NO. 2 LEVEL
FIGURE 16a

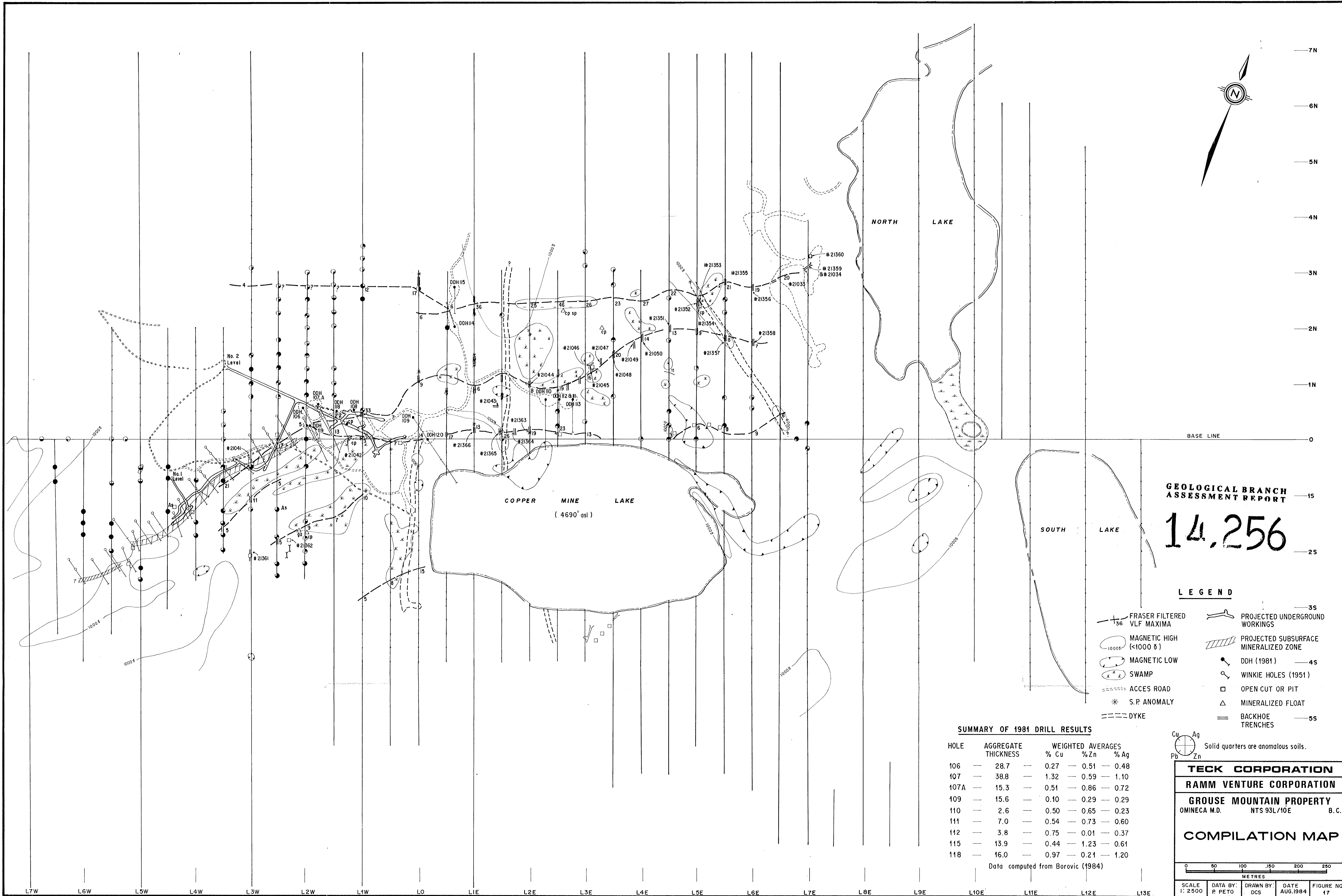
ASSAY PLAN NO. 1 LEVEL
FIGURE 16b

- LEGEND**
- 21029 - SAMPLE NUMBER
 - .39 - % Cu
 - 2.93 - % Pb
 - 23.20 - % Zn
 - 4.49 - oz/T Ag
 - .001 - oz/T Au
 - 1.0 WIDTH (Metres)
 - FAULT ZONE
 - ==== MINERALIZED ZONE
 - /— FRACTURES

TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
OMINECA M.D. NTS 93L/10E B.C.
N° 2 LEVEL ASSAY PLAN
N° 1 LEVEL ASSAY PLAN

SCALE 1:500 DATA BY: ACME DRAWN BY: DCS DATE: AUG. 1984 FIGURE NO. 16a & 16b

NOTE: No. 2 Drift Plan Adapted From Copper Ridge Silver Mines Maps.



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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LEGEND

- FRASER FILTERED VLF MAXIMA
- MAGNETIC HIGH (<10000)
- MAGNETIC LOW
- SWAMP
- ACCES ROAD
- S.P. ANOMALY
- DYKE
- PROJECTED UNDERGROUND WORKINGS
- PROJECTED SUBSURFACE MINERALIZED ZONE
- DDH (1981)
- WINKIE HOLES (1951)
- OPEN CUT OR PIT
- MINERALIZED FLOAT
- BACKHOE TRENCHES

SUMMARY OF 1981 DRILL RESULTS

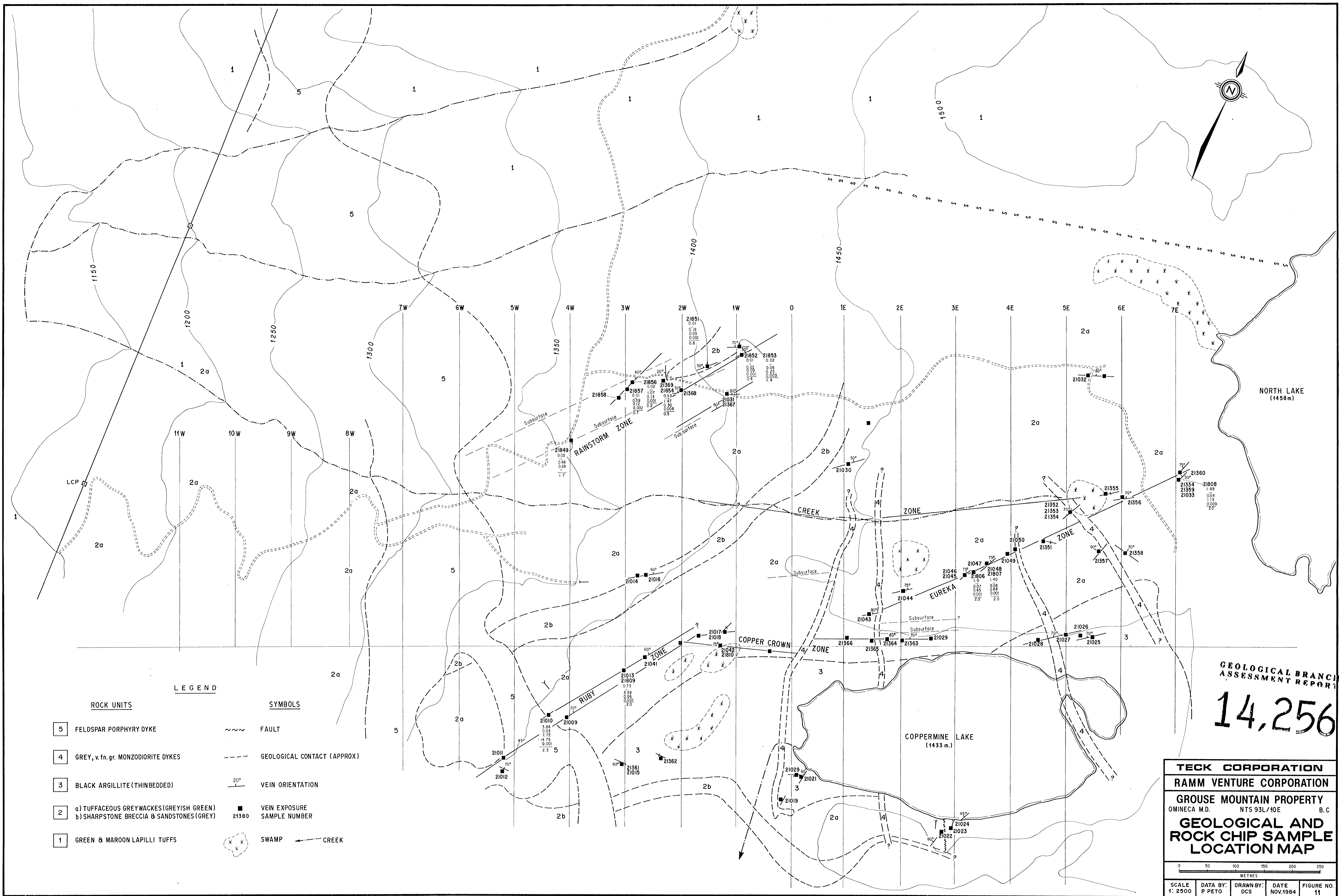
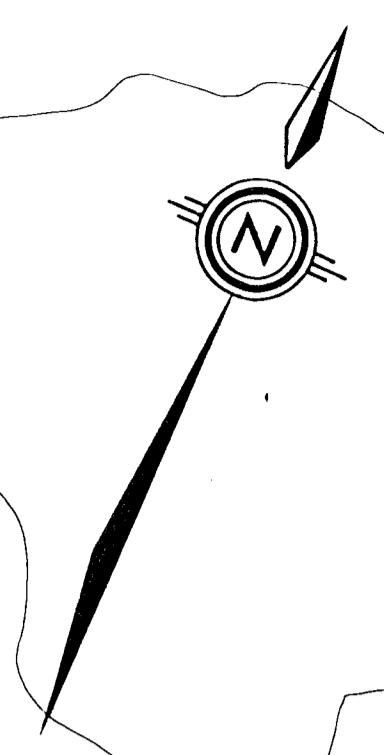
HOLE	AGGREGATE THICKNESS	WEIGHTED AVERAGES		
		% Cu	% Zn	% Ag
106	28.7	0.27	0.51	0.48
107	38.8	1.32	0.59	1.10
107A	15.3	0.51	0.86	0.72
109	15.6	0.10	0.29	0.29
110	2.6	0.50	0.65	0.23
111	7.0	0.54	0.73	0.60
112	3.8	0.75	0.01	0.37
115	13.9	0.44	1.23	0.61
118	16.0	0.97	0.24	1.20

Data computed from Borovic (1984)

Cu Ag
Pb Zn
Solid quarters are anomalous soils.

TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
OMINECA M.D. NTS 93L/10E B.C.
COMPILATION MAP

0 50 100 150 200 250
METRES
SCALE 1:2500 DATA BY: P. PETO DRAWN BY: DCS DATE: AUG. 1984 FIGURE NO. 17



LEGEND

- | | |
|---|--|
| ROCK UNITS | SYMBOLS |
| 5 FELDSPAR PORPHYRY DYKE | ~ FAULT |
| 4 GREY, v. fn. gr. MONZODIORITE DYKES | - - - GEOLOGICAL CONTACT (APPROX) |
| 3 BLACK ARGILLITE (THINBEDDED) | 20° VEIN ORIENTATION |
| 2 a) TUFFACEOUS GREYWACKES (GREYISH GREEN)
b) SHARPSTONE BRECCIA & SANDSTONES (GREY) | ■ VEIN EXPOSURE
21380 SAMPLE NUMBER |
| 1 GREEN & MAROON LAPILLI TUFFS | ☼ SWAMP ← CREEK |

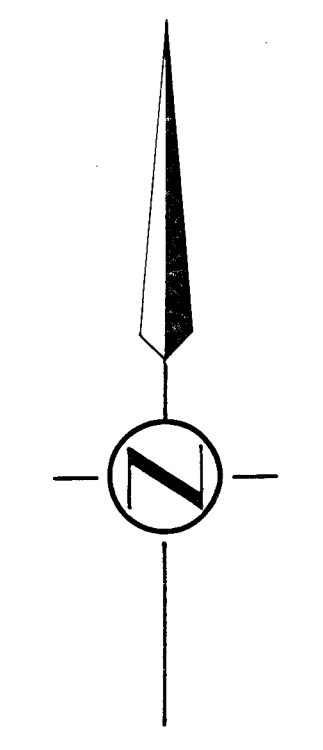
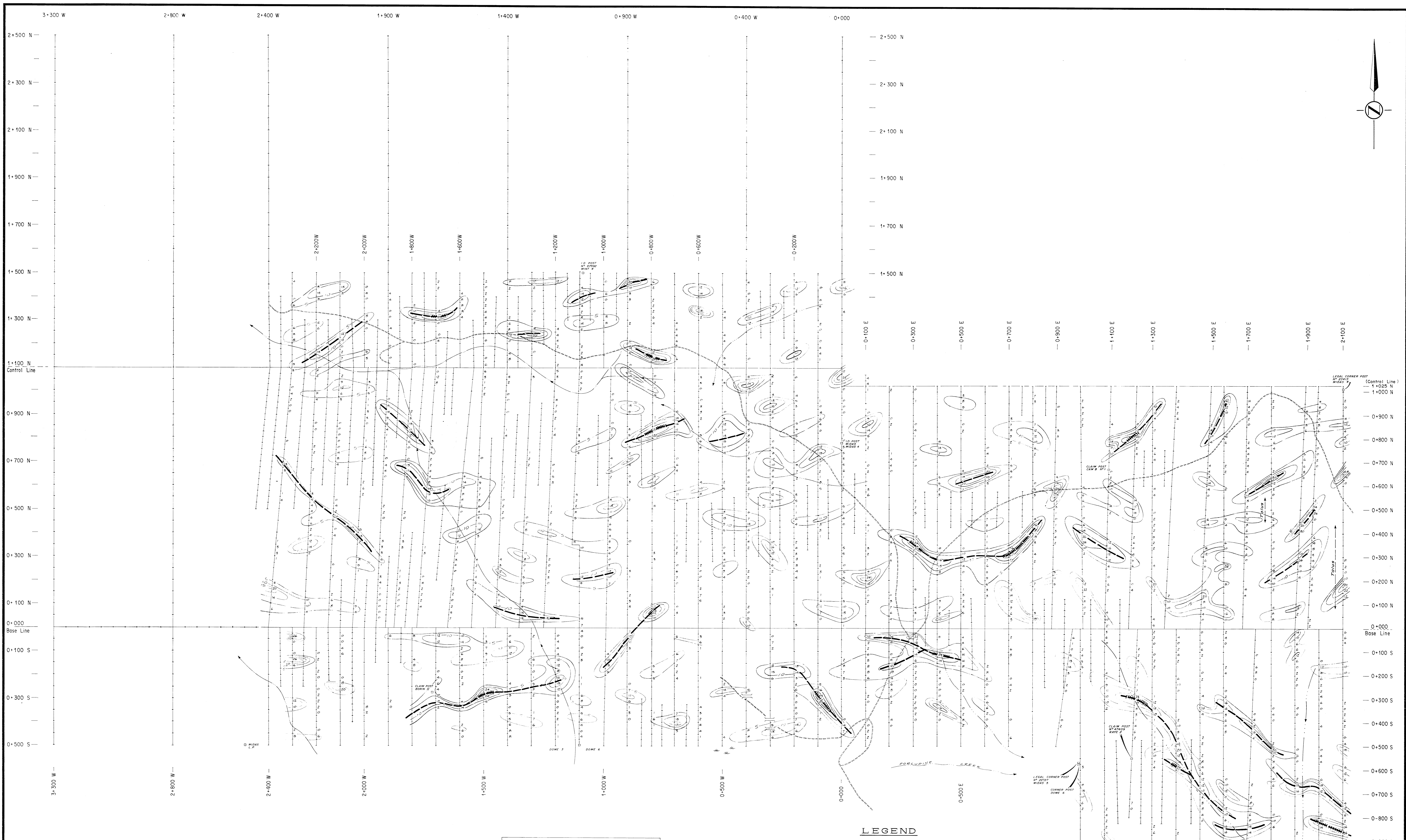
GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,256

TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
 OMINECA M.D. NTS 93L/10E B.C.
**GEOLOGICAL AND
 ROCK CHIP SAMPLE
 LOCATION MAP**

0 50 100 150 200 250
 METRES

SCALE 1: 2500	DATA BY: P. PETO	DRAWN BY: DCS	DATE: NOV. 1984	FIGURE NO. 11
---------------	------------------	---------------	-----------------	---------------



- POSITIVE VALUES ONLY CONTOURED
 - CONTOURED EVERY 5 DEGREES
 - VALUES SHOWN ARE FRASER FILTERED

- LEGEND**
- CLAIM POST
 - TRENCH
 - ROAD
 - STREAM
 - POSSIBLE CONDUCTOR
 - PROBABLE CONDUCTOR

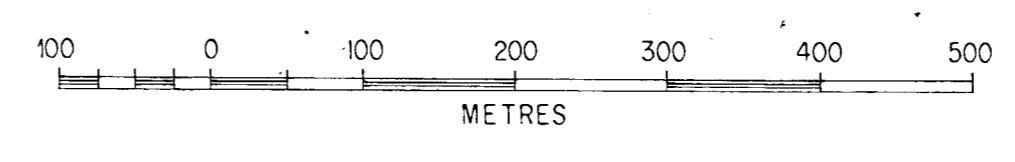


FIG. 4

TECK EXPLORATIONS LIMITED
BANKIT RESOURCES CORP.
 MIDAS CLAIM GROUP

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,256

VLF - EM SURVEY
FRASER FILTERED

DRAWN BY: WC DATE: AUG. 1984 SCALE: 1:5000 NTS:

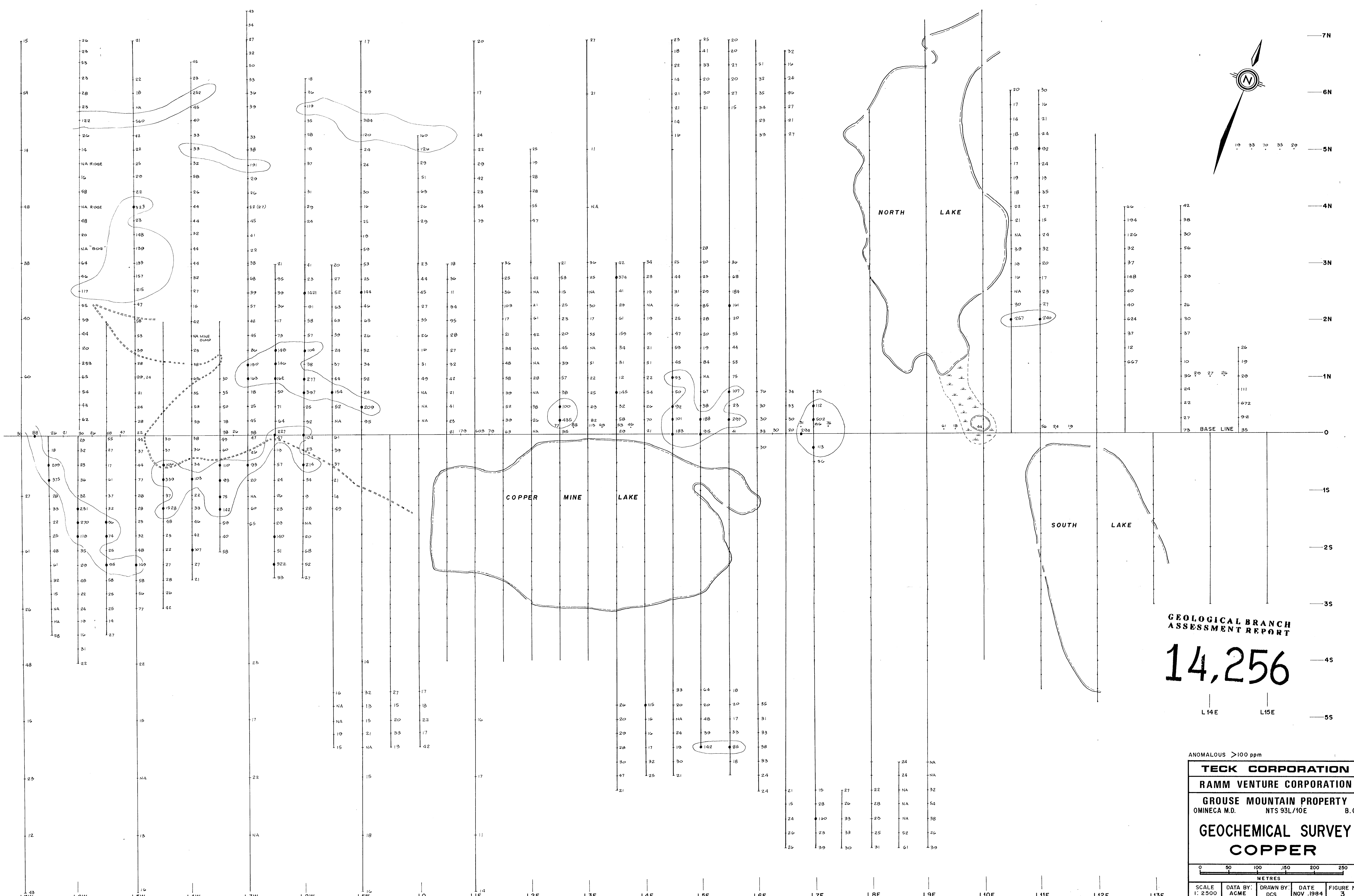


LEGEND

- 84-3 1984 Drillholes
- 81-103 Previous drillholes
- Road
- + 1535 m Spot elevation
- Proposed drillholes

CONTOUR INTERVAL 50 METRES

TECK CORPORATION			
RAMM VENTURE CORPORATION			
GROUSE MOUNTAIN PROPERTY			
OMINECA M.D.	NTS 93L/10E	B.C.	
DRILLHOLE LOCATION MAP			
0 50 100 150 200 250			
METRES			
SCALE: 1:2500	DATA BY: P. PETO	DRAWN BY: MC	DATE: NOV. 1984
			FIGURE NO 10



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,256

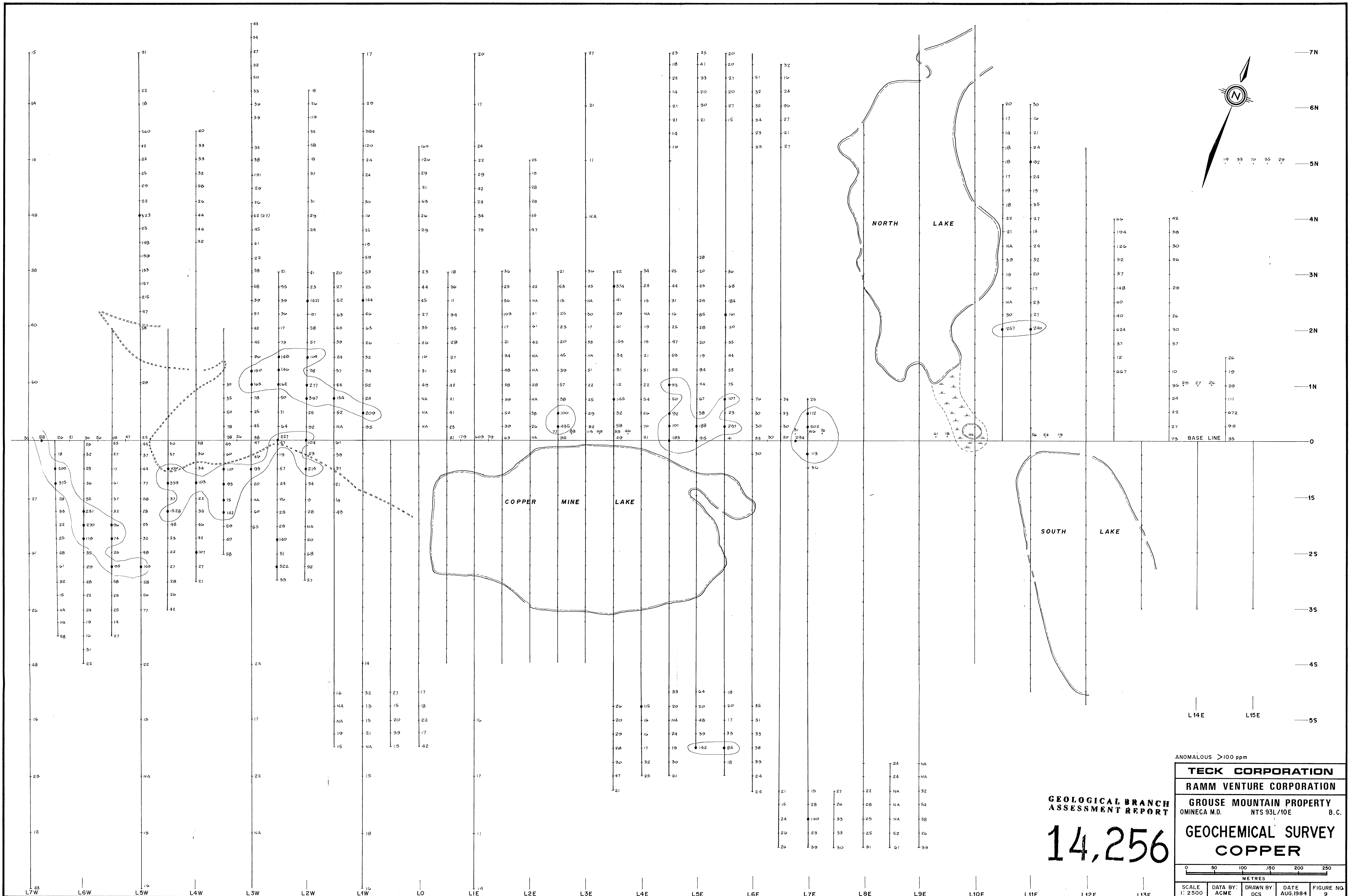
L14E L15E

ANOMALOUS >100 ppm

TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
 OMINICA M.D. NTS 93L/10E B.C.
GEOCHEMICAL SURVEY
COPPER



SCALE 1: 2500	DATA BY: ACME	DRAWN BY: DCS	DATE NOV 1984	FIGURE NO. 3
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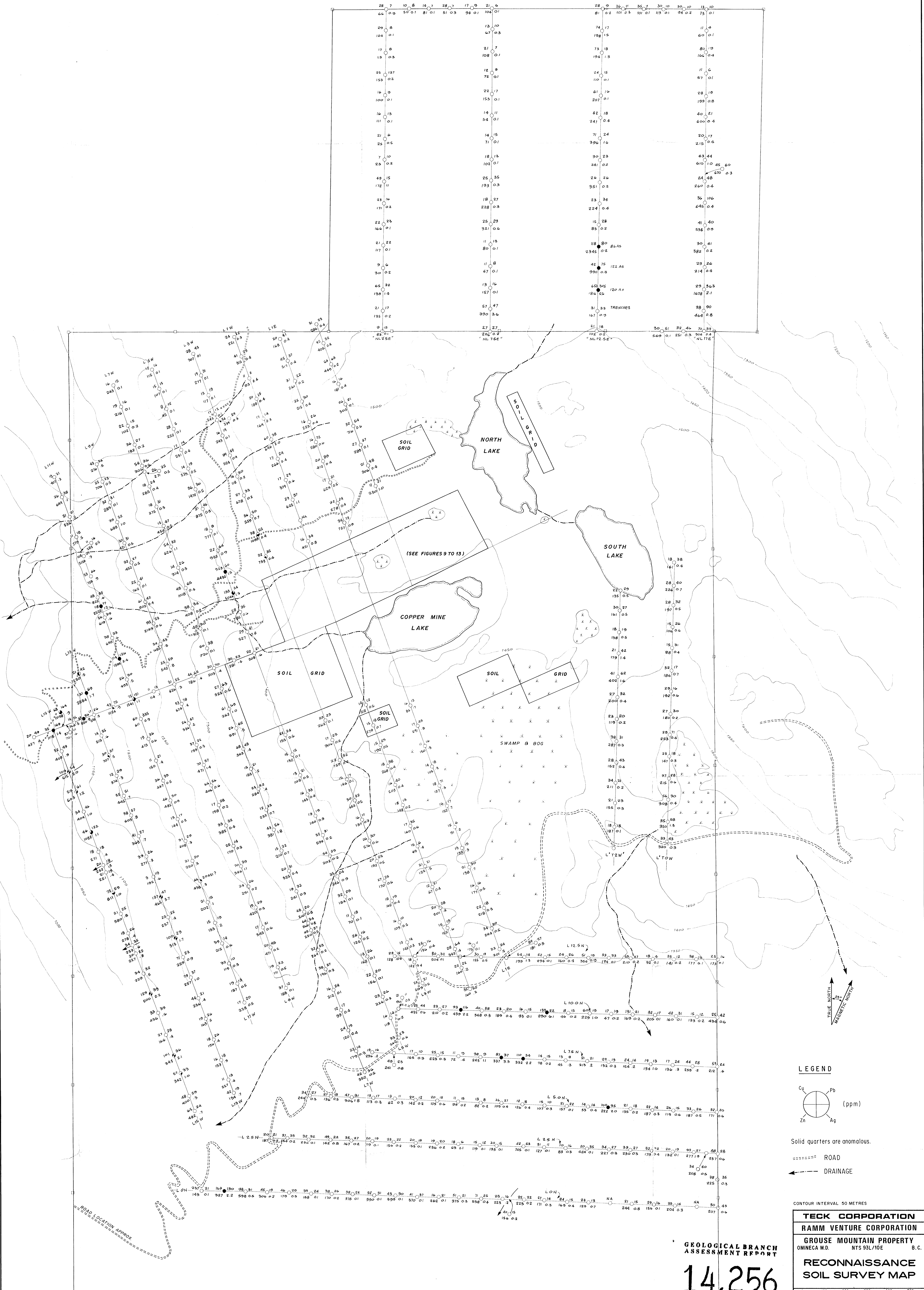


GEOLOGICAL BRANCH
ASSESSMENT REPORT

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ANOMALOUS >100 ppm

TECK CORPORATION				
RAMM VENTURE CORPORATION				
GROUSE MOUNTAIN PROPERTY				
OMINECA M.D.	NTS 93L/10E	B.C.		
GEOCHEMICAL SURVEY				
COPPER				
0 50 100 150 200 250 METRES				
SCALE 1: 2500	DATA BY: ACME	DRAWN BY: DCS	DATE: AUG.1984	FIGURE NO. 9



LEGEND

(ppm)

Solid quarters are anomalous.

ROAD

DRAINAGE

CONTOUR INTERVAL 50 METRES

TECK CORPORATION

RAMM VENTURE CORPORATION

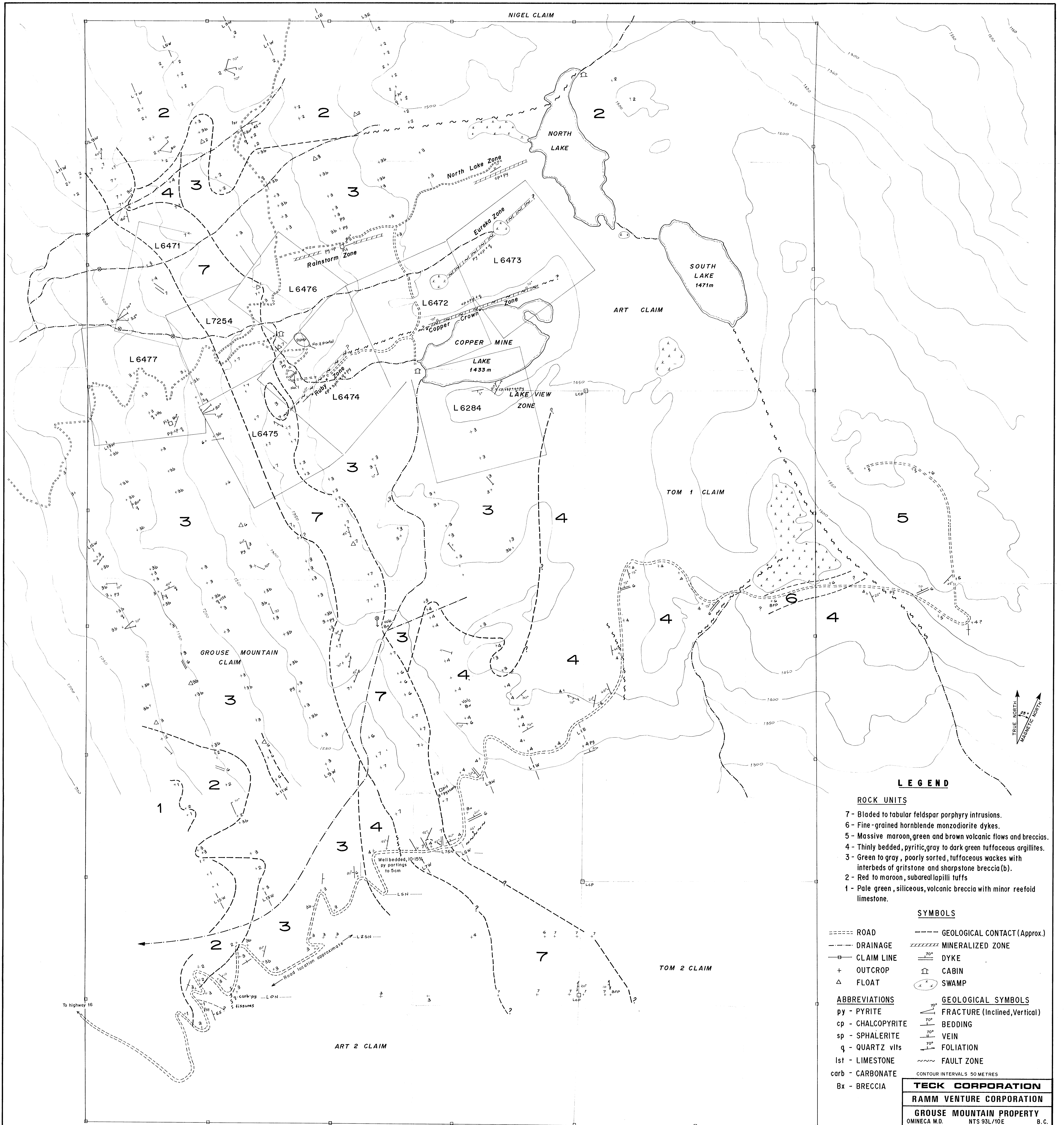
GROUSE MOUNTAIN PROPERTY
 OMINICA M.D. NTS 931/10E B.C.

RECONNAISSANCE
SOIL SURVEY MAP

SCALE 1:5000 DATA BY: ACME DRAWN BY: DCS DATE: AUG. 1984 FIGURE NO: 14

GEOLOGICAL BRANCH
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LEGEND

ROCK UNITS

- 7 - Bladed to tabular feldspar porphyry intrusions.
- 6 - Fine-grained hornblende monzodiorite dykes.
- 5 - Massive maroon, green and brown volcanic flows and breccias.
- 4 - Thinly bedded, pyritic, gray to dark green tuffaceous argillites.
- 3 - Green to gray, poorly sorted, tuffaceous wackes with interbeds of gritstone and sharpstone breccia (b).
- 2 - Red to maroon, subareal lapilli tuffs
- 1 - Pale green, siliceous, volcanic breccia with minor reefold limestone.

SYMBOLS

- | | |
|----------------|------------------------------------|
| ===== ROAD | ----- GEOLOGICAL CONTACT (Approx.) |
| ----- DRAINAGE | ----- MINERALIZED ZONE |
| --- CLAIM LINE | --- DYKE |
| + OUTCROP | ⌂ CABIN |
| △ FLOAT | ⊗ SWAMP |
-
- | | |
|----------------------|-----------------------------------|
| ABBREVIATIONS | GEOLOGICAL SYMBOLS |
| py - PYRITE | 70° FRACTURE (Inclined, Vertical) |
| cp - CHALCOPYRITE | 70° BEDDING |
| sp - SPHALERITE | 70° VEIN |
| q - QUARTZ vlt | 70° FOLIATION |
| lst - LIMESTONE | ~ FAULT ZONE |
| carb - CARBONATE | |
| Bx - BRECCIA | |

CONTOUR INTERVALS 50 METRES

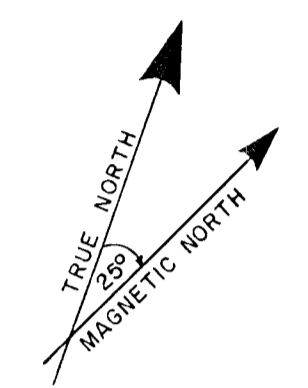
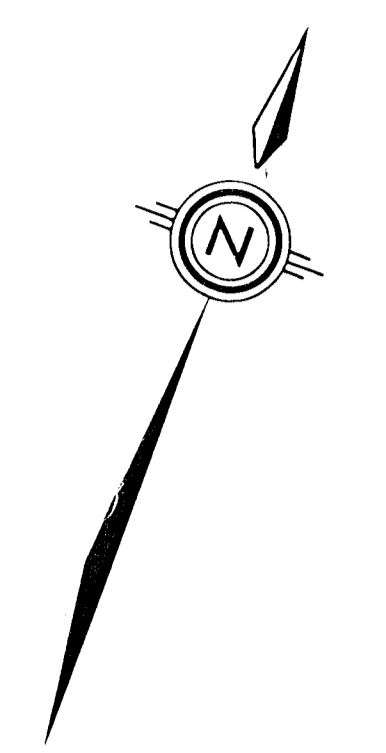
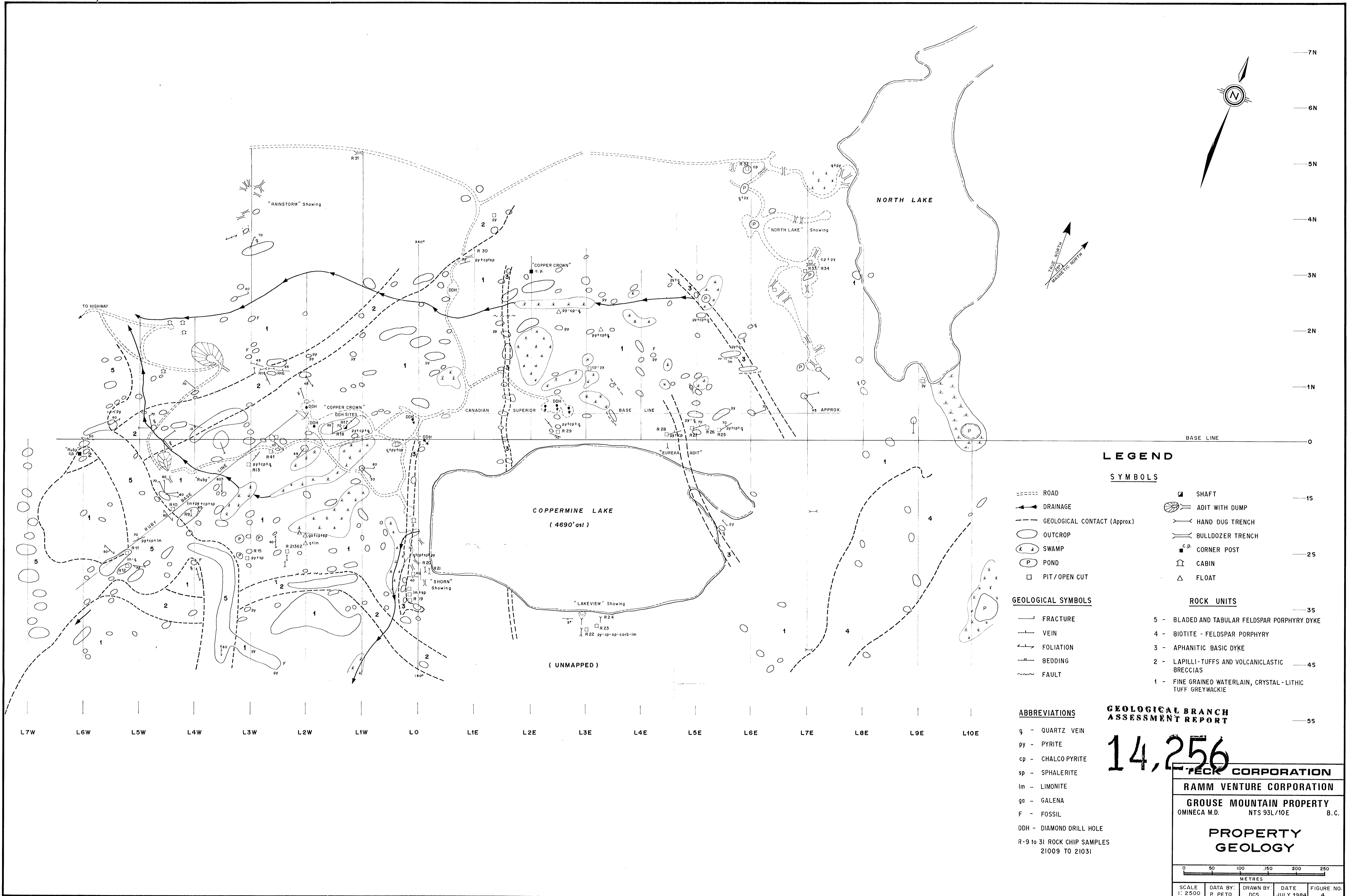
TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
 OMECA M.D. NTS 93L/10E B.C.

RECONNAISSANCE GEOLOGY

SCALE 1:5000 DATA BY: P. PETO DRAWN BY: DCS DATE: AUG. 1984 FIGURE NO: 5

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

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LEGEND

- SYMBOLS**
- ROAD
 - DRAINAGE
 - - - - - GEOLOGICAL CONTACT (Approx.)
 - OUTCROP
 - ⊗ SWAMP
 - POND
 - PIT / OPEN CUT
 - SHAFT
 - ⊗ ADIT WITH DUMP
 - HAND DUG TRENCH
 - BULLDOZER TRENCH
 - ⊗ c.p. CORNER POST
 - ⊡ CABIN
 - △ FLOAT
- GEOLOGICAL SYMBOLS**
- FRACTURE
 - VEIN
 - FOLIATION
 - BEDDING
 - FAULT
- ROCK UNITS**
- 5 - BLADED AND TABULAR FELDSPAR PORPHYRY DYKE
 - 4 - BIOTITE - FELDSPAR PORPHYRY
 - 3 - APHANITIC BASIC DYKE
 - 2 - LAPILLI - TUFFS AND VOLCANICLASTIC BRECCIAS
 - 1 - FINE GRAINED WATERLAIN, CRYSTAL - LITHIC TUFF GREYWACKIE

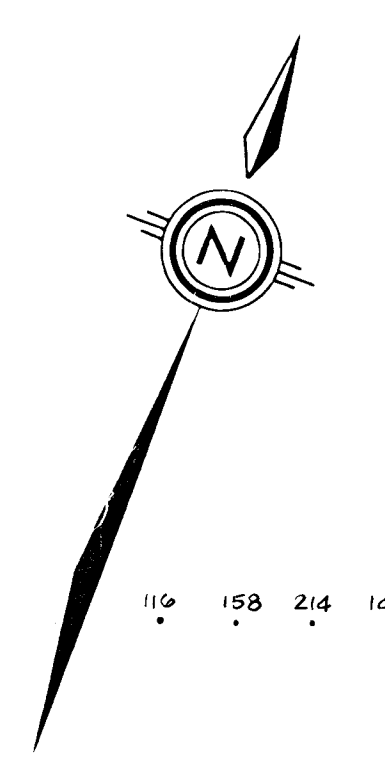
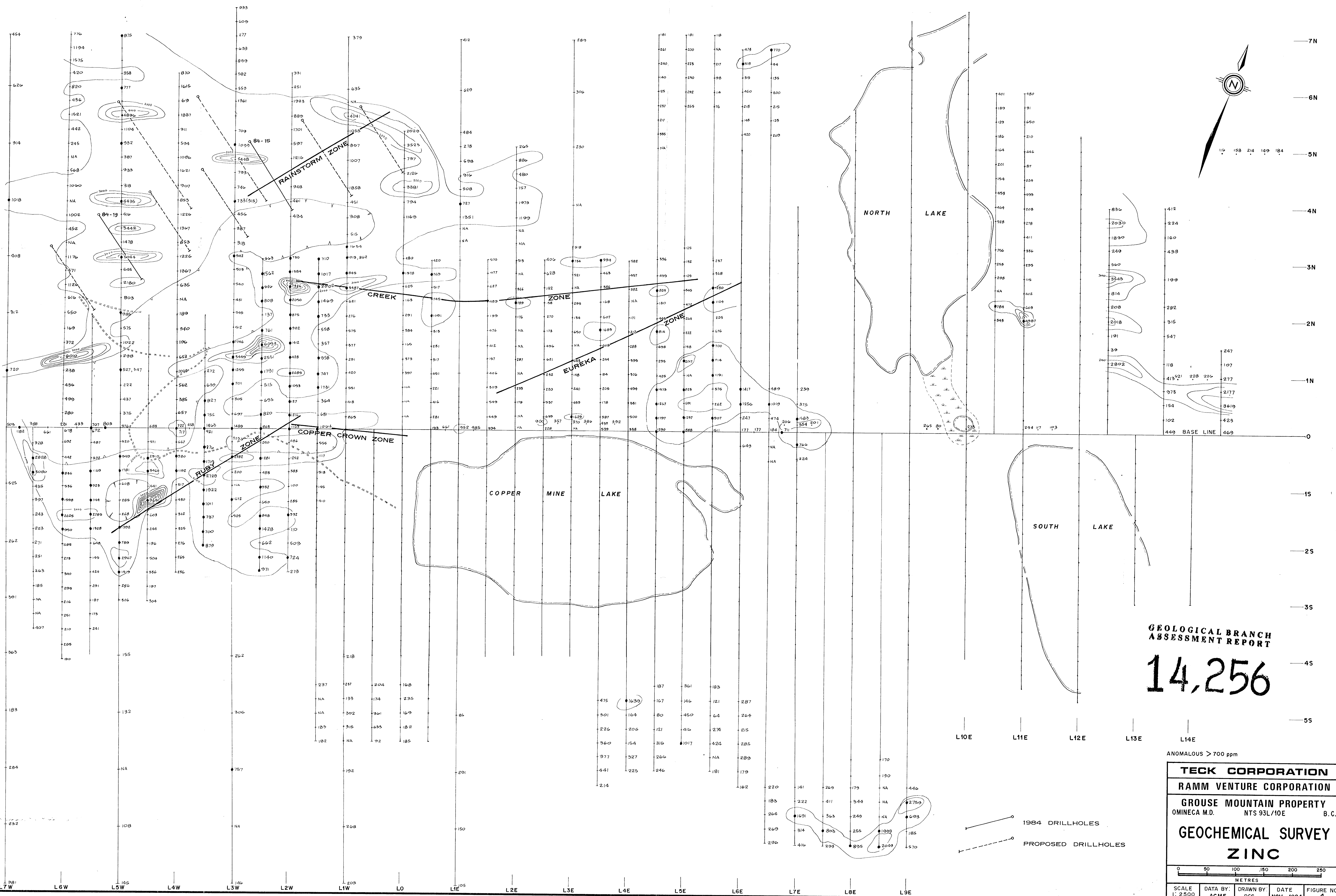
- ABBREVIATIONS**
- q - QUARTZ VEIN
 - py - PYRITE
 - cp - CHALCO PYRITE
 - sp - SPHALERITE
 - lm - LIMONITE
 - ga - GALENA
 - F - FOSSIL
 - DDH - DIAMOND DRILL HOLE
 - R-9 TO 31 ROCK CHIP SAMPLES 21009 TO 21031

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TECK CORPORATION
RAMM VENTURE CORPORATION
GROUSE MOUNTAIN PROPERTY
 OMINECA M.D. NTS 93L/10E B.C.
PROPERTY GEOLOGY

SCALE 1:2500	DATA BY: R. PETO	DRAWN BY: DCS	DATE: JULY 1984	FIGURE NO. 4
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GEOLOGICAL BRANCH
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ANOMALOUS > 70 ppm

TECK CORPORATION			
RAMM VENTURE CORPORATION			
GROUSE MOUNTAIN PROPERTY		OMINECA M.D. NTS 93L/10E B.C.	
GEOCHEMICAL SURVEY			
ZINC			
0 50 100 150 200 250 METRES			
SCALE 1:2500	DATA BY ACME	DRAWN BY DCS	DATE NOV. 1984
			FIGURE NO. 4

—●— 1984 DRILLHOLES
- - - - - PROPOSED DRILLHOLES

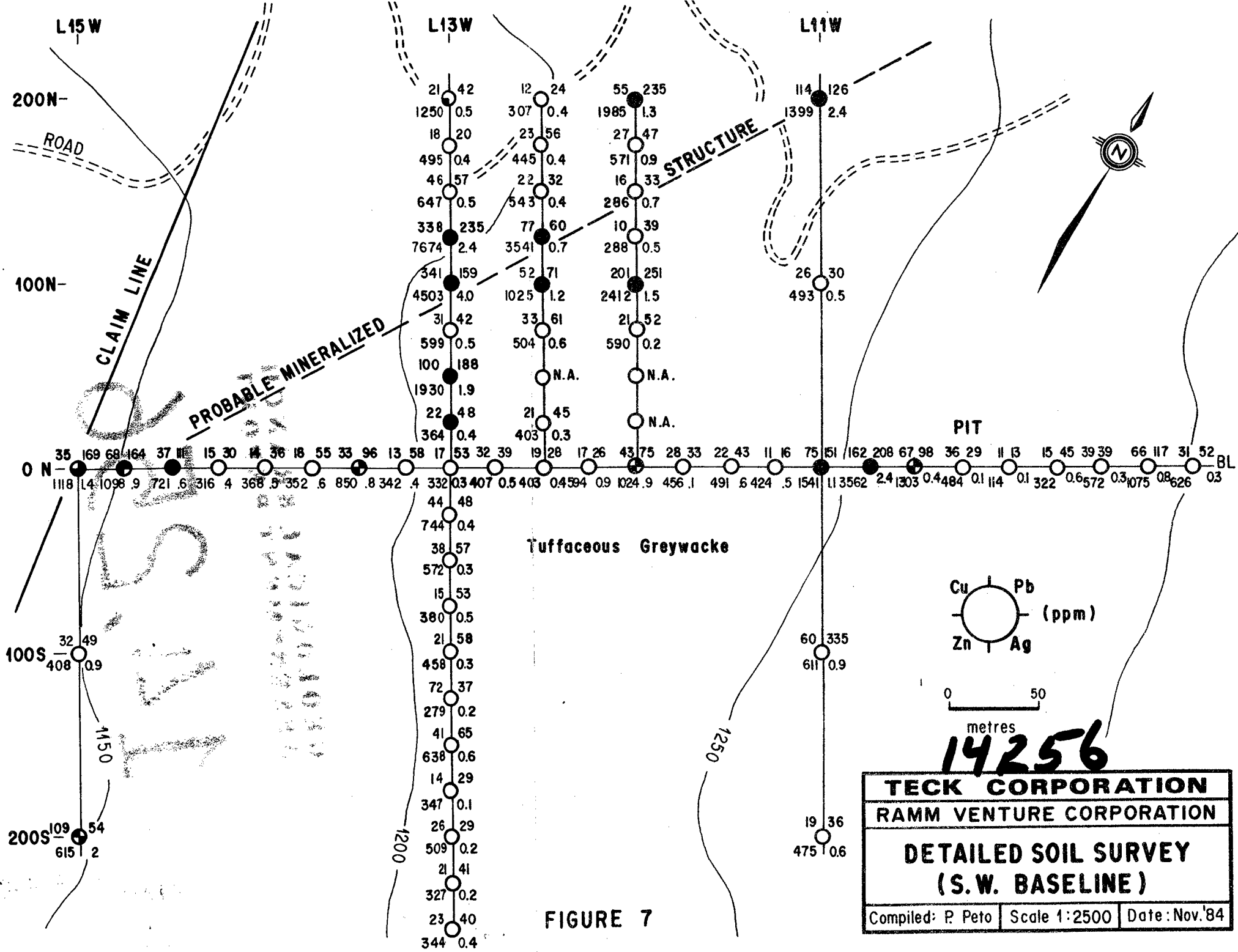
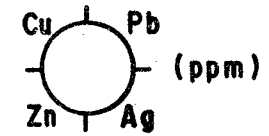


FIGURE 7

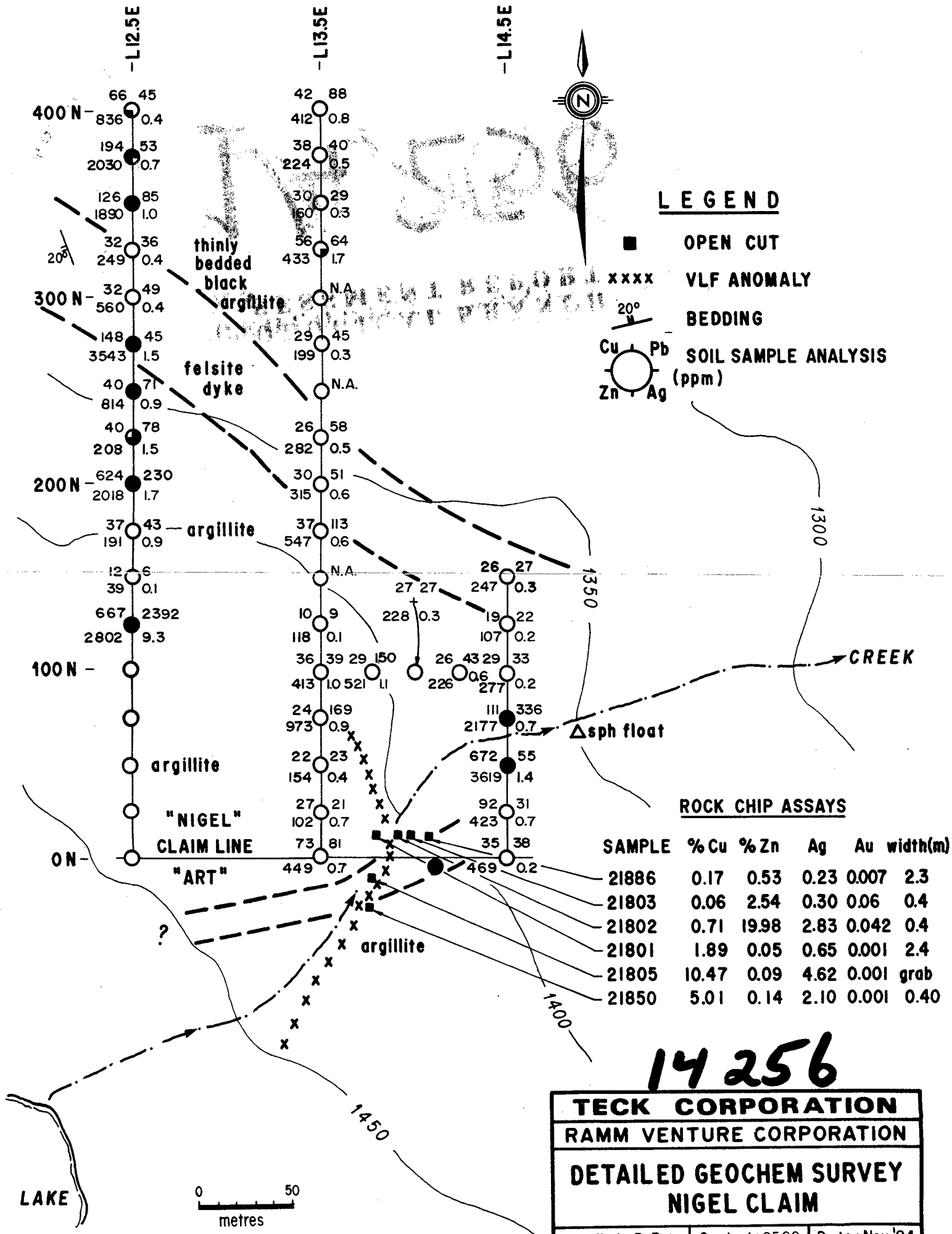


TECK CORPORATION		
RAMM VENTURE CORPORATION		
DETAILED SOIL SURVEY		
(S. W. BASELINE)		
Compiled: P. Peto	Scale 1:2500	Date: Nov. '84

10
11
12
13

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TECK CORPORATION
RAMM VENTURE CORPORATION
DETAILED GEOCHEM SURVEY
NIGEL CLAIM

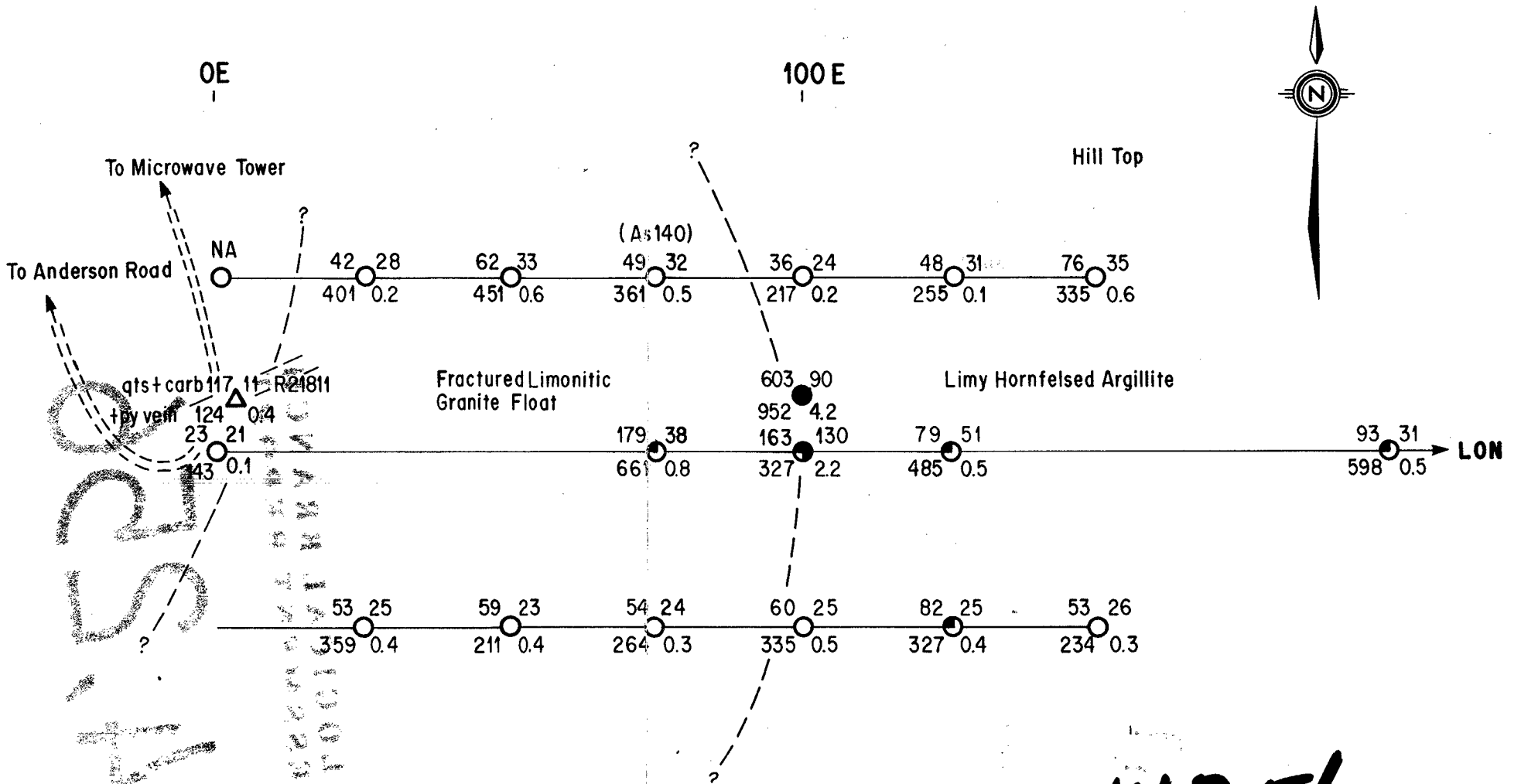
Compiled: P. Peto | Scale 1:2500 | Date: Nov. '84

FIGURE 5

14 529

7-
GEOLOGICAL BRANCH
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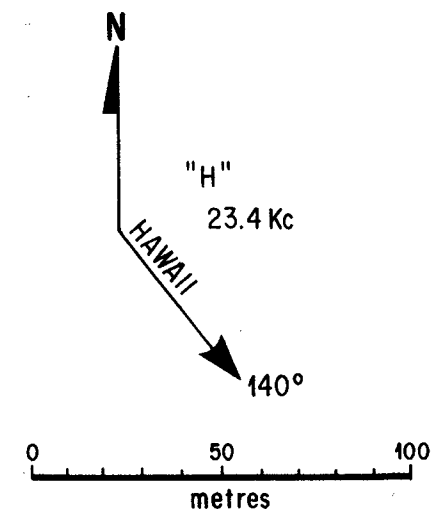
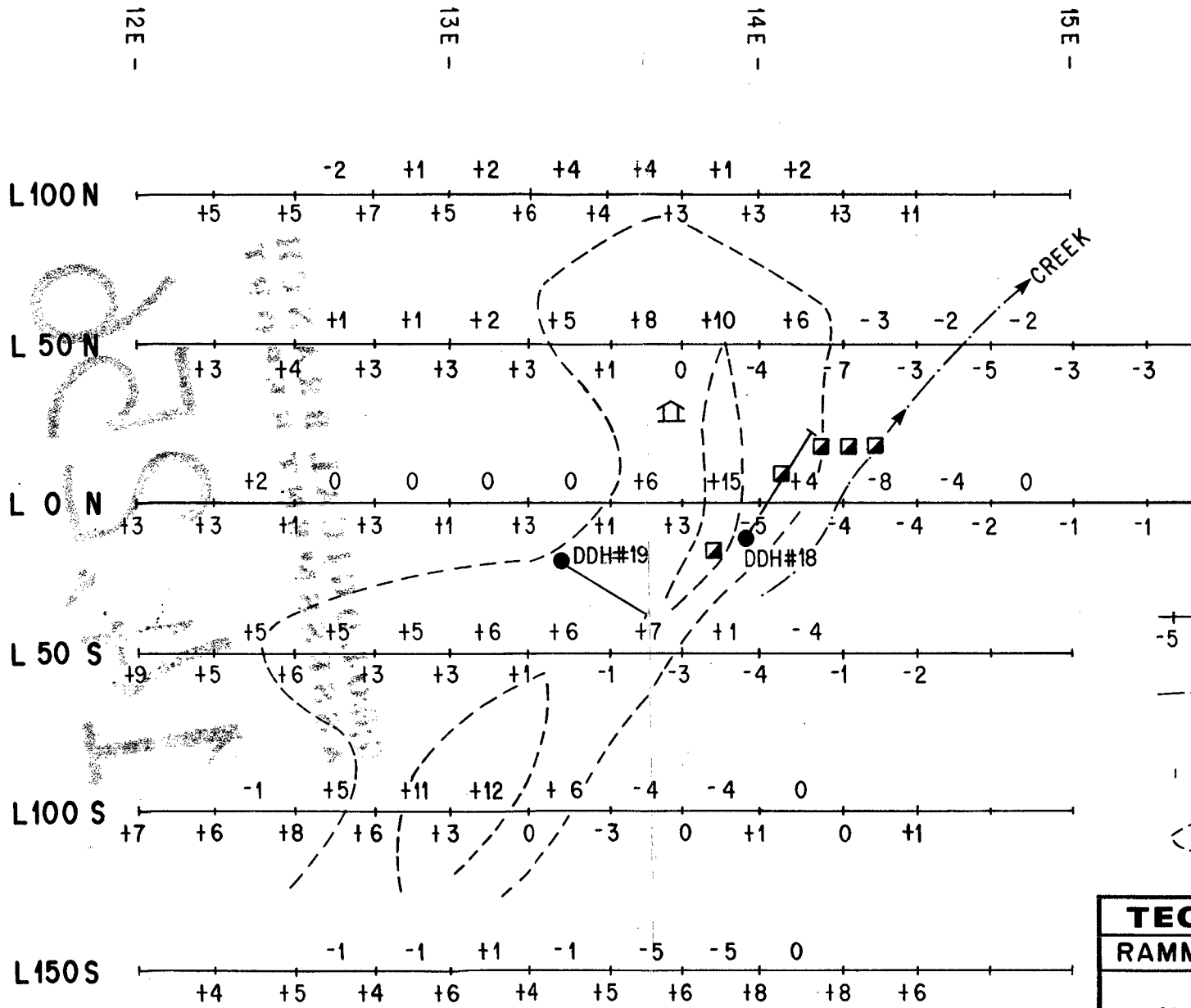
14256

TECK CORPORATION		
RAMM VENTURE CORPORATION		
DETAILED SOIL SURVEY		
ART 2 CLAIM		
Compiled: P. Peto	Scale 1:1000	Date: Nov.'84

FIGURE 6

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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- LEGEND**
- $\frac{+4 \quad -8}{-5 \quad -4 \quad -4}$ FILTERED DIP ANGLES
 - FLAGGED LINE
 - DIP ANGLES
 - CREEK
 - OPEN CUT
 - DDH
 - - - VLF DIP ANGLE CONTOUR
 - ⌂ CABIN RUIN

TECK CORPORATION		
RAMM VENTURE CORPORATION		
NIGIL RADEM SURVEY		
Compiled: P. Peto	Scale 1:2000	Date: Nov.'84

14256

FIGURE 9

14529

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ASSESSMENT REPORT

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