BRINEX LIMITED

BRINEX/AM&S CANADA LTD/VENTURES WEST MINERALS/
MITEX MINES LTD/MITSUBISHI METAL CORPORATION

OGILVIE JOINT VENTURE

(13)

Summary of Exploration Activities

Bob Claims, Yukon

by

K. B. McHale
FGAC

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

$ 22,400

Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

B. R. BAXTER
Supervising Mining Recorder

Commissioner of Yukon Territory

April 1980

090606

Cost Centre: 21

NTS Ref.: 105 G-15
105 G-16

Brinex Document No.: G 80151

Table of Contents

FIGURES

APPENDICES

1) SUMMARY

The field program consisted of drilling three diamond drillholes to test the known lead-zinc mineralization and the extensive I.P. anomalies which were outlined during a field program in 1977.

Additional line cutting and a Maxmin survey was done in order to further define the anomaly identified during the 1977 field program.

Eighteen additional claims were staked on the east side of the original claim block for protection in the event that encouraging assay results were obtained from the drilling of the east-west I.P. anomaly.

2) RECOMMENDATIONS

As no encouraging results were obtained during the 1980 program it is recommended that no further work be done on the property at this time.

However, as the stratigraphy is the same as that which hosts the Faro deposits it is recommended that the ground be protected by filing the assessment work for the Bob 1-56 mineral claims. The Bob 57-74 mineral claims should be allowed to fall open.

3) GENERAL INFORMATION

3.1 Introduction

The objectives of the 1980 field program were to test by diamond drilling the IP anomaly which was defined in 1977 and to further evaluate the ground EM anomaly which was defined in the 1977 field program.

The Bob claims (numbering 74) are located on the east side of Fortin Lake which is 67 miles east of Ross River in the Yukon Territory. Access to the property was via helicopter or track vehicle over a twenty nine mile winter road which starts approximately 10 miles west of Finlayson Lake on the Robert Campbell Highway. (See Figure 1 & 2)

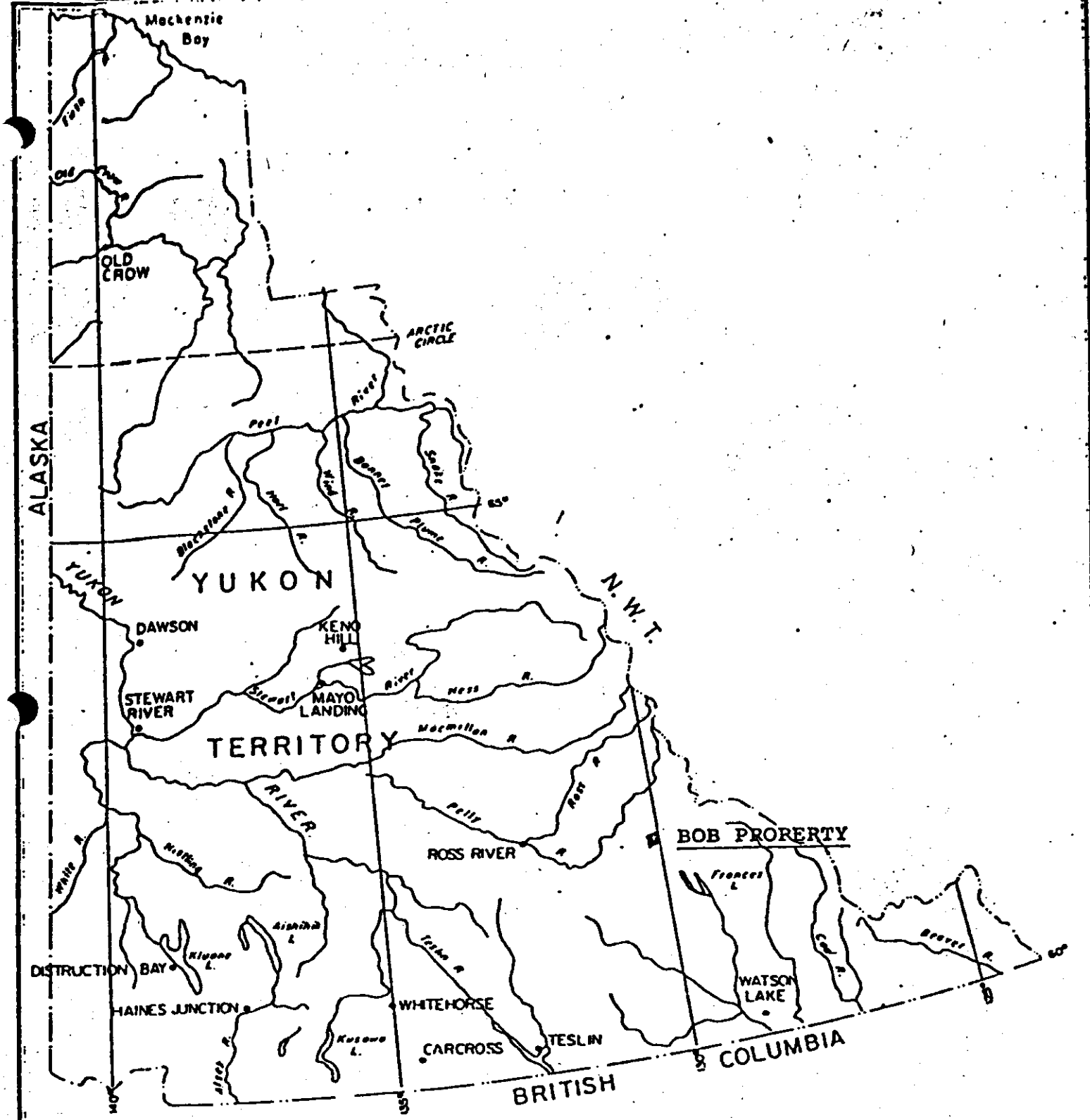
Diamond drilling and a geophysical survey were carried out by Arctic Diamond Drilling and Peter Walcott & Associates under the supervision of Brinex Limited during the period Feb. 28 to March 28, 1980 for the Ogilvie Joint Venture whose claims are held in trust by Brinex Limited.

The participants in the Ogilvie Joint Venture are Brinex Limited, AM&S Canada Limited, Ventures West Minerals Ltd., Mitex Mines Ltd., and Mitsubishi Metal Corporation.

3.2 Summary of Previous Work

The property was originally staked by Mr. G. Lichy of Watson Lake, Y.T. in 1967. Atlas Explorations Ltd. optioned the ground and conducted various surveys and bulldozer trenching in the vicinity of the showing. This option was eventually terminated and the claims came open in the spring of 1974.

The ground was staked in August 1974 by the Ogilvie Joint Venture. In June 1975, geological mapping of the showings and reconnaissance soil geochemical samplings were carried out.



LOCATION MAP

BOB PROPERTY

FIGURE 1

In 1977 geological mapping and soil sampling of the claim block was done along with ground magnetic and EM surveys.

In the period September-October, 1978, further geophysical surveys consisting of IP and Resistivity and Gravity were carried out to define drill targets.

4) GEOLOGY

4.1 Regional

The area is mainly overburden covered and this has made it difficult to interpret the geology. The work by D.J. Templeman-Kluit has suggested that the area was underlain by either sediments of the Nasina Facies or the Selwyn Basin (Road River Formation.)

The other possible interpretation was forwarded by C.L.Smith, who thought the outcrops with the lead-zinc mineralization were similar to the rocks at the Faro lead-zinc deposit. This has been confirmed by D. J. Templeman-Kluit who examined some of the drillcore.

The property is underlain by sediments of the Cloutier Formation of the Ketchikan Group which are the host rocks for the Faro-Vangorda-Swim Lake - lead-zinc deposits.

The majority of the stratigraphic section consists of the phyllite-shale with minor quartz sericite phyllite, siltstone, and limestone.

5. DIAMOND DRILLING

5.1 Introduction

Three diamond drill holes totalling 1,455 feet (443.48 m) were completed to test the down dip extension of the known lead-zinc mineralization exposed on the north bank of Bob Creek and the extensive east-west trending IP anomalies. The drill logs are included in Appendix I with a summary of pertinent data in Table 1.

5.2 Drillhole Geology (Figures 3-6)

The main lithology encountered in all three holes was a light to dark gray-black phyllite-shale with minor quartz sericite phyllite, siltstone and phyllitic limestone. The bedding angles to the core range from 40 to 90°, which would be apparent southerly dips of 40 to 90°.

Generally the cleavage is parallel to subparallel with the bedding. Also, there are small scale folds with axis at 20 to 70° to the core. The fold symmetrics range from conjugate kink folds and chevron to subisoclinal cylindroidal slip folds. The lithologic units in DDH Bob 80-1 and Bob 80-3 are believed to be correlatable with a fair degree of confidence.

5.3 Mineralization

Disseminated and bands of fine grained pyrite occur in the units. Concentrations of up to 5 percent were noted. Galena sphalerite-chalcopyrite-pyrite mineralization was encountered only in DDH Bob 80-1 which was drilled to intersect the surface mineralization at depth. The sulphides occur in veins or blebs with or without a quartz-calcite gangue. Minor mineralization occurs from

52.5 to 94.4 feet. The sections assayed are shown below and it can be seen that the results are not of economic interest. The silver content is related to the lead content.

DDH	Interval (feet)	Sample #	%Zn	%Pb	oz Ag/t	oz Au/t
80-1	53.5-57	80151B	1.32	0.04	0.07	.003
80-1	57 - 62	80152B	0.77	0.05	0.06	.003
80-1	62 - 69	80153B	6.20	0.51	0.69	.003

			Cu ppm	Pb ppm	Zn ppm	Au	Ag	
80-1	130.5-145	80154B	64	112	265	.04		.003
80-1	145-157	80155B	48	385	275	.01		.003
80-3	180-186.4	80156B	16	20	54			

5.3 Conclusions

The disseminated and bedded pyrite mineralization between 53.5 and 289.5 feet in the phyllite-shale-siltstone assemblage of drillhole Bob 80-1 is believed to be the source of the southern most east-west trending I.P. anomaly. An updip projection of the section 127-157 feet which contains an average of 1 to 2% pyrite with local concentrations up to 5% would correspond with the interpreted location of the source of the I.P. anomaly.

The galena-sphalerite mineralization occurs in veins and is associated with quartz-calcite gangue in a quartz sericite phyllite which is either a hydrothermally altered sediment (see next page)...

K.B. McDale

or a volcanic ? tuff. The unit is believed to be similar to the buff and white phyllite unit which forms envelopes around the massive sulphide mineralization at Faro.

The presence of disseminated pyrite in ddh Bob 80-2 is believed to be the cause of the northern most east-west trending IP anomaly. An updip projection of the concentration of pyrite corresponds closely with the interpreted location of the source of the IP anomaly. Disseminated pyrite mineralization occurs between 49 and 417 feet with the highest concentration between 183 and 231 feet. This zone would average 1-2 percent with sections up to 3 percent pyrite.

Disseminated pyrite mineralization occurs between 115 and 302 feet. The greatest concentration of 1-2 percent pyrite occurs in the fault zone between 262 and 302 feet. This zone corresponds with the updip projection of the interpreted source of the IP anomaly.

The disseminated pyrite mineralization explains why the IP anomaly is so extensive - it is the result of "formational" disseminated pyrite mineralization rather than a discrete body of potential economic sulphide mineralization.

KBMacdonald

6. GEOPHYSICS (See Figures 3 & 7)

A Max-Min survey was conducted by Peter Walcott and Associates over the ground EM conductor on Line 150 E that was outlined in the 1977 survey. Five lines were done to try and outline a conductor with some strike continuity. The survey did not repeat the anomalous conditions as found in the 1977 reconnaissance survey.

There was a slight chaining error in the 1977 work and this may have been the source of the anomalous readings.

Respectfully Submitted

K Barry McHale

7. REFERENCES

1. C. L. Smith December 31, 1976 Ogilvie Joint Venture Exploration Results Bob Property.

2. P. A. Cartwright, A. W. Mullan

   Report On The Induced Polarization and Resistivity Survey, And The Gravity Survey on the Bob Claim Group, Fortin Lake Area, Watson Lake Mining District, Yukon Territories.

3. J. D. Rowe November, 1977 Geological and Geochemical Report on the Bob Claim Group, Watson Lake Mining District, Yukon Territories.

4. J. E. Betz November, 1977 Electromagnetic and Magnetic Survey Report on the Bob Claim Group Watson Lake Mining District, Yukon Territories.

APPENDIX I

Table I

Drillhole Summary

Hole Bob 80-1 Objective (Test down dip extension of surface lead-zinc showing and southern east-west trending IP anomaly.)

Started	March 5, 1980	
Completed	March 13, 1980	
Location	143+00N, 130+00E	
Elevation	3017 ft.	(919.6 m)
Bearing	North	
Total Depth	463 ft.	(141.12 m)
Stickup	2 ft.	(0.61 m)
Overburden	16 ft.	(4.88 m)
Average Recovery		66.8%

Hole Bob 80-2 Objective (Test northern east-west trending IP anomaly.)

Started	March 15, 1980	
Completed	March 20, 1980	
Location	141+75N, 150+00E	
Elevation	3157 ft.	(962.3 m)
Inclination	-55°	
Bearing	North	
Total Depth	502 ft.	(153.01 m)
Stickup	2 ft.	(0.61 m)
Overburden	12 ft.	(3.66 m)
Average Recovery		87.1%

Hole Bob 80-3 Objective (Test southern east-west trending IP anomaly and possible strike extension of surface showing.)

Started	March 22, 1980	
Completed	March 27, 1980	
Location	144+50N, 120+00E	
Elevation	3067 ft.	(934.8 m)
Inclination	-55°	
Bearing	North	
Stickup	2 ft.	(0.61 m)
Overburden	81 ft.	(24.69 m)
Total Depth	490 ft.	(149.35 m)

HOLE NO.: 30-1
COLLAR ELEV.:
GROUND ELEV.: 3017'
COORDINATES: 143 N. 130 E.
INCLINATION: -50°
BEARING: NORTH

PROJECT: BOB
DATE STARTED: MARCH 5, 1980
DATE FINISHED: MARCH 13, 1980
TOTAL DEPTH: 463'

REF. TO CLAIM CORNER:
SCALE: 1": 10'
LOGGED BY: K.B. McHALE

COMMENTS:

AVE CORE REC'Y / HOLE: 66.8

Columns: SECTION | ALTERATION | FRACTURING | MINERAL | GEOLOGY | DESCRIPTIVE GEOLOGY | % SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y SAMP. INT. | ESTIMATED

DESCRIPTIVE GEOLOGY

0-20 OVERBURDEN

20.0 - 21.1 QUARTZ VEIN, white, minor carbonate, inclusions of shale

21.1 - 53.17 SHALE: dark grey to black to light grey; thinly banded, light colored bands dolomitic, also quartz-carbonate veins, dark bands graphitic, bands .05 to .2", usually lens shaped, locally phyllitic texture developed.

53.17 - 69 PHYLLITE: medium light grey to dusky yellow, v.f.g., soft, friable, sericitic, well developed phyllite texture, occasional boudinage structure parallel with foliation.

Comments beside geology column

- bedding
- white quartz vein, minor carbonate, inclusions of shale
- bedding
- bedding
- white quartz-minor carbonate vein, inclusions of shale
- .25" quartz-carbonate vein
- white quartz-carbonate vein
- ½" quartz-carbonate veins
- } numerous ⅛" quartz-carbonate veins
- 2 .01" bands orange brown ZnS
- 2½" quartz vein, < 1% dissem. pyrite, tr. PbS
- .05" ZnS-PbS vein, offsets .1" band f.g. pyrite
- 3 qtz-ZnS-PbS veins .01 to 0.25" in width
- ⅛" blob PbS

Core intervals

Drilling interval (ft)	% Core recovered	Core size
20 – 22	93.8	NQ
22 – 27	100	NQ
27 – 29	66.7	NQ
29 – 32	44.4	NQ
32 – 35	55.5	NQ
35 – 40	96.7	NQ
40 – 42	46.7	NQ
42 – 47	100	NQ
47 – 52	100	NQ
52 – 57	96.7	NQ

Samples

Sample interval (ft)	Estimated
53.5 – 57	0.5% Zn, Tr. Pb
57 –	0.75% Zn, 0.5% Pb

Section depth scale: 0, 10, 20, 30, 40, 50, 60

HOLE NO.: , 80-1 | PROJECT: BOB | PAGE NO.: 2 OF 8

COLLAR ELEV.: | GROUND ELEV.: 3017' | DATE STARTED: MARCH 5, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 143 N. 130 E. | DATE FINISHED: MARCH 13, 1980 | SCALE: 1" : 10'

INCLINATION: -50° | BEARING: NORTH | TOTAL DEPTH: 463' | LOGGED BY: K B Mc HALE

COMMENTS:

AVE CORE REC'Y / HOLE 66.8

DESCRIPTIVE GEOLOGY

53.17 - 69 PHYLLITE (see page 1)

69 - 71.75 QUARTZ PHYLLITE : dusky yellow, 40% sub rounded to lens shaped quartz grains, oriented ∥ with foliation

71.75 - 79 PHYLLITIC SHALE : medium to dark grey, finely banded, v.fs., 1% v.f.g. pyrite - disseminated & in bands ∥ with foliation

79 - 82 PHYLLITE - SHALE : dark grey to black, v.f.g. disseminated pyrite along foliation

82 - 87 PHYLLITE : medium to light grey, thinly banded - bedded, 0.2" bands, narrow zones of quartz phyllite, small scale fold structures

87 - 91.75 PHYLLITIC SHALE : medium to dark grey, finely foliated, thin bands & lenses of white quartz ∥ with foliation, minor f.g. disseminated pyrite along foliation, small scale fold at 88', axis 20° to core

91.75 - 92.2 QUARTZ PHYLLITE - as above, lower contact gradational with quartz vein

92.2 - 94.4 QUARTZ VEIN - massive, white, frequent quartz phyllite, minor amounts Zn S, Pb S & trace $CuFeS_2$

94.4 - 121.1 SHALE : light to dark grey, finely laminated, light grey bands calcareous, dark bands slightly graphitic, f.g. disseminated pyrite along bedding, small scale folds with axes 20° to core

SECTION	DRILLING INTERVAL	% CORE RECOVERED	SAMPLE INTERVAL	ESTIMATED
60	62	96.7	62	0.75% Zn, 0.5% Pb
	67	104.2	69	4.4% Zn, 0.25% Pb
70	72	91.7		
	77	85		
	79	41.7		
80	82	54.2		
	87	48.3		
90	92	85.8		
	97	100		
100	102	75		
	107	105		
110	112	95		
	117	106.7		
120		81.7		

CORE SIZE: NQ

HOLE NO.: B[illegible] 80-1 | PROJECT: BOB | PAGE NO.: 3 OF 8

COLLAR ELEV.: | GROUND ELEV.: 3017' | DATE STARTED: MARCH 5, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 143 N. 130 E. | DATE FINISHED: MARCH 13, 1980 | SCALE: 1" : 10'

INCLINATION: -50° | BEARING: NORTH | TOTAL DEPTH: 463' | LOGGED BY: KBMcHALE

COMMENTS:

AVE CORE REC'Y / HOLE: 66.8

DESCRIPTIVE GEOLOGY

94.4 - 121.1 SHALE : (see page 2)

121.1 - 124.2 ARGILLACEOUS DOLOMITE : light to medium grey, light grey ovoid shaped mineral, <1mm diameter, 20% of rock; ? oolites

124.2 - 127.2 QUARTZ VEIN - massive, white, few vugs

127.2 - 128.8 QUARTZ PHYLLITE - as before, 1% disseminated pyrite

128.8 - 130.6 QUARTZ - CARBONATE VEIN : inclusions of quartz phyllite, minor, irregular pods ZnS, PbS in upper part of vein; minor $CuFeS_2$, FeS_2.

130.6 - 156.8 DOLOMITIC SILTSTONE : light grey to dusky yellow, fine grained, at 148' changes to dolomitic quartz siltstone; numerous quartz - carbonate - sepiolite veins, 1-2% disseminated pyrite, locally up to 5% pyrite. unit sericitic, thin seams, also light green talcose mineral

156.8 - 191 SHALE : light - dark grey to black, thinly laminated, <1% disseminated pyrite, calcareous

pods ZnS, PbS, minor $CuFeS_2$, FeS_2

3" chloritic rock zone

131.8 - 142 Quartz veins, white, massive, up to 5% disseminated pyrite

½" pyrite vein, 3% disseminated pyrite

2" qtz - phyllite, 5% disseminated pyrite

.6" qtz vein

numerous qtz - dolomite - sepiolite veins

.3" qtz - calcite vein

.75" qtz vein, minor disseminated pyrite in shale

.6" qtz. vein

cross bedding

DRILLING INTERVAL	% CORE RECOVERED	SAMPLE INTERVAL	ESTIMATED
122	81.7		
	103.3		
127			
	85.8	130.5	Tr. Zn
132			Tr. Pb
	110		
137			
	81.7		
142			
	61.1		
145		145	
	101.7		Tr. Zn
150			
152	108.3		Tr. Pb
	101.7		
157		157	
	95.8		
162			
	104.2		
167			
	96.7		
172			
	105		
177			

NQ

HOLE NO.: B [illegible]-1 | PROJECT: BOB | PAGE NO.: 4 OF 8

COLLAR ELEV.: | GROUND ELEV.: 3017' | DATE STARTED: MARCH 5, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 143 N. 130 E. | DATE FINISHED: MARCH 13, 1980 | SCALE: 1" = 10'

INCLINATION: -50° | BEARING: NORTH | TOTAL DEPTH: 463' | LOGGED BY: KB McHALE

AVE CORE REC'Y / HOLE: 66.8

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180												
					~1" qtz-calcite stringers bedding ← two sets ~1" qtz-calcite veins ← ~1" qtz-calcite vein							
190					← irregular qtz-calcite veins & pods up to 0.3"							
					156.8 - 191 SHALE: as before, phyllitic surfaces on partings, discontinuous bands & lenses ltgy carbonate rich; minor f.g. dissem. pyrite, in places rock somewhat graphitic		182	98.3	NQ			
							187	100				
					191 - 213 FAULT ZONE: massive white quartz fragments & phyllite fragments some of material recovered is a clay gouge		192	96.7				
							194	2.1				
							197	25				
200							202	6.7	BQ			
							207	10				
210							213	75				
					213 - 216.5 PHYLLITE - SHALE: dark grey, f.g., few irregular qtz.-calcite veins <1/8" in width							
					216.5 - 226.5 FAULT ZONE: Sheared phyllite, quartz, clay gouge		217	85.4				
220							223	101.7				
					226.5 - 289.5 SHALE - PHYLLITE: light to dark grey, f.g., calcareous f.g. disseminated pyrite along bedding, < 1%		227	39.6				
					← small scale chevron-kink folds, axes 10-15° to core, bedding 50-70° to core							
230					← gouge & quartz		231	89.6				
								95.8				
							237					
240								98.9				

HOLE NO.: L 80-1 | PROJECT: BOB | PAGE NO.: 5 OF 8

COLLAR ELEV.: | GROUND ELEV.: 3017' | DATE STARTED: MARCH 5, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 143 N. 130 E. | DATE FINISHED: MARCH 13, 1980 | SCALE: 1" : 10'

INCLINATION: -50 | BEARING: NORTH | TOTAL DEPTH: 463' | LOGGED BY: K.B. MacHALE

ALTERATION | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE 66.8

DESCRIPTIVE GEOLOGY

SECTION	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
240	← bedding @ to core, nose of fold		241					
	broken core, qtz-calcite-phyllite fault zone, pyrite cubes to ~1"			52.8				
	bedding 45°		244					
	qtz-calcite vein			110.4				
250			248					
				94.8				
			252					
				77.8				
			255					
				93.3				
260	← irregular shaped qtz-calcite blob, 3" long, .75" wide		260					
	← narrow qtz veins with calcite							
				105.6				
			266					
				104.2				
270			270		BQ			
	¼ qtz calcareous bands .1 to .2" wide							
				75				
			277					
280								
	.5" qtz-calcite vein - phyllite fragments			104.2				
	← small scale folds @ 10° to core							
			283					
				93.8				
	← .05" band f.g. pyrite		287					
290				79.2				
	broken core, phyllitic shale & qtz, qtz-calcite veins up to 1" @ 50°		292					
				44.4				
			295					
	← few .1" pyrite cubes			83.3				
300			297					

226.5 - 289.5 SHALE - PHYLLITE (see page 4)
f-g disseminated pyrite, <1%
calcareous content appears to be increasing

289.5 - 327 PHYLLITIC SHALE: light to dark grey, in places moderate silt content - may approach siltstone, calcareous content appears to have increased - in places may be argillaceous limestone

HOLE NO.: [illegible]-1 | PROJECT: BOB | PAGE NO.: 6 OF 8

COLLAR ELEV.: | GROUND ELEV.: 3017' | DATE STARTED: MARCH 5, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 143 N. 130 E. | DATE FINISHED: MARCH 13, 1980 | SCALE: 1" : 10'

INCLINATION: -50 | BEARING: NORTH | TOTAL DEPTH: 463 | LOGGED BY: KB McHALE

AVE CORE REC'Y / HOLE: 66.8

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
300					289.5-327 PHYLLITIC SHALE (see page 5)		303	22.2				
							307	29.2				
					← 2½" qtz.-calcite vein		309	50				
310							313	37.5				
					} broken core - qtz-calcite & phyllite fragments ? fault		315	41.7				
320					← qtz - calcite vein		321	31.9				
					321.2 - 327 core broken, qtz-calcite & phyllite-shale fragments & clay gouge			45.8				
					← .2" qtz-calcite vein		325					
					← contact		327	62.5	BQ			
					← talc shear at 5° to core			93.8				
330					327 - 353 PHYLLITIC SHALE : light to medium grey, light grey calcareous bands .01 to .08", no visible pyrite, in places light grey bands probably argillaceous limestone		331	41.7				
					← thin irregular veins qtz-calcite		333					
								62.5				
					← zone with 85° qtz-calcite, 5% thin shale bands		337	97.2				
							338.5	69.4				
340							340	16.7				
							342	79.2				
							344	83.3				
					qtz-calcite band with minor phyllite		347					
					} ← broken core qtz-calcite with phyllite fragments			70				
					← banding		349.5	79.2				
350					← slump feature, actual distance in core 4¾"		351	58.3				
					353-381 SHALE - PHYLLITE : light to dark grey, phyllitic in fault zones, light grey layers with silt size carbonate grains, in places carbonate bands lens shaped.		352	60.8				
							357	91.7				
360					← qtz calcite vein - inclusions of phyllite		359					

HOLE NO.: B 10-1 | PROJECT: BDB | PAGE NO.: 7 OF 8

COLLAR ELEV.: | GROUND ELEV.: 3017' | DATE STARTED: MARCH 5, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 143 N. 130 E. | DATE FINISHED: MARCH 13, 1980 | SCALE: 1" : 10'

INCLINATION: -50° | BEARING: NORTH | TOTAL DEPTH: | LOGGED BY: KB Mc HALE

AVE CORE REC'Y / HOLE: 66.8

COMMENTS:

DESCRIPTIVE GEOLOGY

broken core qtz-calcite ± phyllite

353-381 SHALE-PHYLLITE (see page 6)

phyllite, broken core, gouge seams

4" qtz-calcite vein

2" qtz-calcite vein

381 – 417.5 FAULT ZONE - no core recovered, mud
calcareous phyllite to argillaceous limestone
sludge: ± 30% carbonate, 70% clay

SECTION	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
360	361.5	86.7	BQ			
	363	122.2				
		63.5				
	361					
	368	33.5				
310	370	112.5				
		18.2				
380	381					
		0				
	386					
		0				
390	390					
		0				
	397					
400		0				
	402					
		0				
	407					
410		0				
	417					
420		43.8				

HOLE NO.: 1 80-1
COLLAR ELEV.: GROUND ELEV.: 3017'
COORDINATES: 143 N. 130 E.
INCLINATION: -50° BEARING: NORTH

PROJECT: BOB
DATE STARTED: MARCH 5, 1980
DATE FINISHED: MARCH 13, 1980
TOTAL DEPTH: 463'

PAGE NO.: 8 OF 8
REF. TO CLAIM CORNER:
SCALE: 1" = 10'
LOGGED BY: KBMcHALE

COMMENTS: Hole stopped at 463 - rods sticking & no core

AVE CORE REC'Y / HOLE: 66.8

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
420					412.5-421 broken core - phyllite, qtz & gouge		421	83.3	BQ			
					← 60% qtz-calcite bands & phyllite ← crenulated banding @ 45-50°, axes of folds @ 20° ← 7" qtz-calcite vein		427	2.5				
430					427.6-445 FAULT - phyllitic gouge		432	4.2				
							434	15.5				
440							441	20.8				
					445-457 SHALE - PHYLLITE : light to dark grey, phyllitic near quartz veins - faults		445	70.8				
					← quartz vein ← narrow phyllitic shear ← qtz vein, phyllitic gouge on lower contact ← 2" quartz vein broken core - qtz & phyllite		453	29.2				
450					broken core - phyllite		457	1.4				
					457-463 FAULT - No core		463					
460					fault zone							
464					463 END OF HOLE							

PAGE NO.: 1 OF 1

CASING COLLAR ELEV.: GROUND ELEV.: 3017'

COORDINATES: 143 N. 130 E.

INCLINATION: -50° BEARING: NORTH

PROJECT: BOB

DATE STARTED: MARCH 5, 1980

DATE FINISHED: MARCH 13, 1980

TOTAL DEPTH: 463'

HOLE NO.: 80-1

REF. TO CLAIM CORNER:

SCALE: 1" : 10'

LOGGED BY: KBMcHALE

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	ASSAY					DEPTH INTERVAL		SAMPLE NO.	LBS./ REC.	% REC.	ASSAY				
FROM	TO				%Zn	% Pb	Ag oz/tn			FROM	TO								
53.5	57	80151B			1.32	0.04	0.07												
57	62	80152B			0.17	0.05	0.06												
62	69	80153B			6.20	0.51	0.69												
130.5	145	80154B																	
145	157	80155B																	

HOLE NO.: L 80-2
COLLAR ELEV.:
GROUND ELEV.: 3157'
COORDINATES: 141+75 N. 150 E.
INCLINATION: -55° BEARING: NORTH

PROJECT: BOB
DATE STARTED: MARCH 15, 1980
DATE FINISHED: MARCH 20, 1980
TOTAL DEPTH: 502'

PAGE NO.: 1 OF 9
REF. TO CLAIM CORNER:
SCALE: 1" : 10'
LOGGED BY: K B McHALE

ALTERATION | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE 87.1

DESCRIPTIVE GEOLOGY

2 - 14 Overburden

14 - 24.5 PHYLLITE - SHALE: greyish black to black, calcareous, numerous .03" to .1" rusty-white quartz-carbonate (?in part anhedral) bands, no visible sulphide, just rusty brown iron oxide

24.5 - 36 PHYLLITE: medium grey to dark grey, fewer quartz-carbonate bands, in places moderate amounts of silt size quartz grains,

36 - 102 PHYLLITE: medium light grey to black, finely banded finely banded with quartz-carbonate bands, numerous kink type small scale folds, minor amounts of f.g. disseminated pyrite.

- small scale folds
- disrupted bedding - ? slump feature
- ½" irregular quartz veins
- broken core - phyllite, quartz, rusty Fe oxide
- also z-bedding, <1% disseminated f.g. py.
- core light gy., silicified
- .75" qtz-carbonate vein
- 1" qtz.-carb. vein, minor disseminated py in phyllite
- 2.5" qtz.-carb. vein - phyllite zones in qtz.
- thin gouge zone
- 2.5" qtz vein with thin zones of phyllite patches of phyllite
- small scale folds, also recumbent with axes @ 90°
- tr f.g. py.
- narrow shear
- bedding @ 85°, fold axes @ 50-55° and
- 49-56 - <1% f.g. disseminated py.
- qtz. vein

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0							
10							
20		14	100				
		20	96.7				
		25					
30			83.3				
		31					
			91.7	NQ			
		36					
			90.3				
40		39					
			88.9				
		42					
			93.3				
50		47					
			102.5				
		52					
			95.8				
		57					
60			89.2				

HOLE NO.: BOB 80-2 | PROJECT: BOB | PAGE NO.: 2 of 9

COLLAR ELEV.: | GROUND ELEV.: 3157' | DATE STARTED: MARCH 15, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 141+75 N. 150 E. | DATE FINISHED: MARCH 20, 1980 | SCALE: 1": 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 502' | LOGGED BY: KBM c HALE

COMMENTS:

AVE CORE REC'Y / HOLE: 87.1

DESCRIPTIVE GEOLOGY

36-102 PHYLLITE (see page 1)

102-109.7 PHYLLITE - SHALE : light - medium - dark grey, f.g., light grey layers may approach argillaceous lst in composition

109.7-116 ARGILLACEOUS LIMESTONE : medium light grey - dark grey, finely banded, locally crenulated banding, lenses of light grey f.g. limestone

116-127 SHALE - PHYLLITE : light - dark grey - black, banded with light grey - white qtz-carb. bands, locally clasts of light grey f.g. lst to siliceous dolomite.

SECTION	DRILLING INTERVAL	% CORE RECOVERED	ESTIMATED
60	62		
		28.3	
	67		
70		38.3	
	72		
		85	
	77		
80		103	
	82		
		61.1	
	85		
		93.3	
90	90		
		63.3	
	95		
		55.8	
100	100		
		95.8	
	105		
110		87.5	
	111		
		105	
	116		
120		97.5	

CORE SIZE: NQ

HOLE NO.: 8 0-2		**PROJECT:** BOB	**PAGE NO.:** 3 **OF** 9
COLLAR ELEV.:	**GROUND ELEV.:** 3157'	**DATE STARTED:** MARCH 15, 1980	**REF. TO CLAIM CORNER:**
COORDINATES: 141+75 **N.** 150 **E.**		**DATE FINISHED:** MARCH 20, 1980	**SCALE:** 1" : 10'
INCLINATION: -55	**BEARING:** NORTH	**TOTAL DEPTH:** 502'	**LOGGED BY:** KBMcHALE

SECTION | **ALTERATION** | **FRACTURING** | **MINERAL** | **GEOLOGY** | **COMMENTS:** | **AVE CORE REC'Y / HOLE:** 87.1 | **% SULPHIDES** | **DRILLING INTERVAL** | **% CORE RECOVERED** | **CORE SIZE** | **SAMPLE INTERVAL** | **% REC'Y. SAMP. INT.** | **ESTIMATED**

DESCRIPTIVE GEOLOGY

Section: 120 – 130 – 140 – 150 – 160 – 170 – 180

Geology column notes:

- ← .25" gouge
- ← .1" band silic. dolomite, banding ⊥ to core ? organic
- ← banding lt gy dolomite & dk gy black shale
- ← 1.5" qtz carb vein
- ← 2" qtz-carb vein
- ← .1" dissem. py.
- ← 1" lt. gy lst band
- ← .75" lst band
- 151-152.5 minor f.g. py. in discontinuous lenses & bands
- ← contorted banding
- 154-158 minor fg py in thin discontinuous bands
- banding - lt gy carb bands, folds - thin contorted shale bands
- ← .25" qtz-carb. vein
- ← 1" qtz-carb vein
- 166-167 broken core - qtz vein & phyllite
- ← qtz- carb. vein
- 178-180.3 qtzcarb vein few vugs, thin phyllite seams

116-127 SHALE-PHYLLITE: (see page 2)

127-166 ARGILLACEOUS LIMESTONE: medium grey with black calc. bands, avg. .02" in width, locally phyllitic partings

144-162 trace f.g. dissem. py.

167-178 PHYLLITE-SHALE: light grey to black, calcareous, thin banded, qtz- calcite veins <.1"

Drilling interval	% Core recovered	Core size
121–126	93.3	NQ
126–131	106.7	NQ
131–137	80.6	NQ
137–142	98.3	NQ
142–147	100.8	NQ
147–152	96.7	NQ
152–157	101.7	NQ
157–162	95	NQ
162–167	100.4	NQ
167–172	88.3	NQ
172–177	103.3	NQ

HOLE NO.: BOB 80-2 | PROJECT: BOB | PAGE NO.: 4 OF 9

COLLAR ELEV.: | GROUND ELEV.: 3157' | DATE STARTED: MARCH 15, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 141+75 N. 150 E. | DATE FINISHED: MARCH 20, 1980 | SCALE: 1" = 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 502' | LOGGED BY: KBMcHALE

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180					DESCRIPTIVE GEOLOGY			182	101.7				
190								187	100.8				
200								192	96.7				
210								196	88.5				
220								198	37.5				
230								202	87.5				
240								207	93.3				
								209	87.5	NQ			
								212	77.8				
								217	76.7				
								220	50				
								222	52.1				
								225	52.8				
								230	12.5				
								232	100				
								237	83.3				
								240	102.8				

178-180.3 qtz-carb vein
phyllite gouge & narrow qtz veins

183.5-184.5 diseem py blebs up to .1" (<1%)

185 - 186.5 diseem py blebs up to .1" (1%)

190-194 diseem py blebs up to .2"x.1" (2-3%)

194-198 diseem py blebs (1%)

200-203 <1% diseem. py.
.1" qtz-carb veins
← .25" qtz-carb vein

207-214 1-3% diseem. py.
core broken qtz-carb veins & gouge
← 3 .1" discontinuous diseem py veins
← .5"x.25" py blob

numerous irregular qtz carb veins (up to .2")
← 2 .1" py. veins

217-220 black gouge, qtz fragments, diseem. py

← few .1" blebs py

← 3" broken qtz
← 1.5" qtz-carb vein

230-231 1-3% diseem py & bands to .1" in qtz-carb & phyllite
← 2" gouge-qtz breccia zone
← .1" band py nbs.
← qtz-carb vein, lower 3" gouge phyllite
← 6" gouge phyllite
← quartz vein, minor phyllite inclusions

180.3-295 SHALE-PHYLLITE: light to dark grey, thinly banded, lt gy qtz-carbonate bands, pyrite as disseminated blebs & narrow discontinuous bands in phyllite & qtz-carbonate bands

HOLE NO.: DDH 80-2 | PROJECT: BOB | PAGE NO.: 5 OF 9

COLLAR ELEV.: | GROUND ELEV.: 3157' | DATE STARTED: MARCH 15, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 141+75 N. 150 E. | DATE FINISHED: MARCH 20, 1980 | SCALE: 1":10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 502' | LOGGED BY: KB McHALE

COMMENTS:

AVE CORE REC'Y / HOLE 87.1

DESCRIPTIVE GEOLOGY

180.3-295 SHALE - PHYLLITE (see page 4)

- minor disseam. py.
- quartz vein, minor phyllite seams
- 244.1-247 broken core, gouge zones & irreg. qtz
- 246-247 gouge & qtz fragments
- 247-248.5 tight irreg. qtz-carb. veins @ 60° & sub ||
- 248.5-250 four thin disseam bands f.g. py.
- gouge: sheared phyllite & qtz fragments
- four .1"-.2" py blebs in qtz carb patches
- 2" qtz carb vein
- .1" blebs & band f.g. py.
- qtz carb vein, minor patches phyllite, minor blebs py. up to .4" x .3"
- 1' qtz-carb & phyllitic gouge
- two thin bands <.05" f.g. py.
- four .1"-.2" blebs py.
- 4.75" qtz carb vein, minor py in phyllite
- 2.5" qtz carb vein
- 3" qtz carb vein
- 6" qtz carb vein
- 280-281.3 irreg. smoked blebs & seams of qtz-carb.
- 280-281.5 <1% disseam py with.
- 5" qtz carb vein
- 5" qtz-carb vein & sheared phyllite
- 5" qtz & gouge

295-304 CALCAREOUS PHYLLITE - PHYLLITIC LIMESTONE
medium dark grey to dark grey, fine grained, lighter colored layers carbonate rich

- minor disseam py.
- 8" qtz carb vein, thin ½" seams phyllite

SECTION	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
240		240					
		242.8	90				
		243	(11%)				
			100				
		247					
250			83.3				
		252					
			90.8				
		257					
260			103.7				
		261.5					
			100				
		266.5					
270			77.8	NQ			
		271					
			85.8				
		276					
280			102.4				
		279.5					
			105				
		282					
			83.3				
		287					
290			28.3				
		292					
			81.7				
		297					
300			86.7				

HOLE NO.: BOB 80-2 | PROJECT: BOB | PAGE NO.: 6 OF

COLLAR ELEV.: | GROUND ELEV.: 3157' | DATE STARTED: MARCH 15, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 141+75 N. 150 E. | DATE FINISHED: MARCH 20, 1980 | SCALE: 1": 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 502' | LOGGED BY: KB McHALE

COMMENTS:

AVE CORE REC'Y / HOLE: 87.1

DESCRIPTIVE GEOLOGY

295-304 CALCAREOUS PHYLLITE - PHYLLITIC LIMESTONE (see page 5)

304-307 FAULT ZONE - gouge, qtz veins & phyllite

307-341.9 SHALE - PHYLLITE: medium dark grey to black, fine grained, slightly calcareous, qtz-calcite veins & masses

341.9-376 CALCAREOUS PHYLLITE-SHALE: medium grey-black, f.g thin banded, locally may approach argillaceous & phyllitic limestone

SECTION	DRILLING INTERVAL	% CORE RECOVERED
300	302	86.7
	307	98.3
310	312	81.7
	317	57.5
320	322	36.0
	328	86.8
330	333	69.6
	337	83.3
340	342	95.0
	347	100
350	352	96.7
	357	91.7
360	359	51.8

HOLE NO.: DDH 80-2 | PROJECT: BDB | PAGE NO.: 7 OF 9

COLLAR ELEV.: | GROUND ELEV.: 3157' | DATE STARTED: MARCH 15, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 141+75 N. 150 E. | DATE FINISHED: MARCH 20, 1980 | SCALE: 1":10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 502' | LOGGED BY: K.B. McHALE

COMMENTS:

AVE CORE REC'Y / HOLE: 87.1

DESCRIPTIVE GEOLOGY

341.9-376 CALCAREOUS PHYLLITE-SHALE (see page 6)

376-432 'PHYLLITIC LIMESTONE – LIMESTONE & PHYLLITE

medium light grey to black, thin banded, interbedded limestone & calcareous phyllite, light grey f.g. limestone bands & lenses pinch & swell from 399' % light grey lst bands increases up to 30%

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
360						364	100	NQ			
310						310	75				
							88.3				
380						315	101.7				
						380	73.3				
390						385	101.7				
						390	29.9				
400						397	96.7				
						402	103.3				
410						401	95.8				
						412	88.3				
420						417	90				

HOLE NO.: ?B 80-2		PROJECT: BOB		PAGE NO.: 8 OF 9	
COLLAR ELEV.:	GROUND ELEV.: 3157'	DATE STARTED: MARCH 15, 1980		REF. TO CLAIM CORNER:	
COORDINATES: 141+75 N.	150 E.	DATE FINISHED: MARCH 20, 1980		SCALE: 1": 10'	
INCLINATION: -55°	BEARING: NORTH	TOTAL DEPTH: 502'		LOGGED BY: KB McHALE	

ALTERATION | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE: 87.1

DESCRIPTIVE GEOLOGY

SECTION: 420 – 480

376-432 PHYLLITIC LIMESTONE - LIMESTONE & PHYLLITE (see page 7)

432-438.5 PHYLLITE : light grey to black, fine grained, thin banded, weakly calcareous

438.5-460 PHYLLITIC LIMESTONE - PHYLLITE : medium light grey to black, thin banded, 20-30% light grey lst bands & lenses

460-497 PHYLLITE : light to dark grey, fine grained, thin banded, in places weakly calcareous, 10% calcite & qtz bands

Geology column notes:

- .5" band lst & calcite, irreg. banded ∥ with core, minor qtz.
- thin calcite-qtz vein
- small scale tight monocline slip
- .5" qtz-calcite vein
- 2" qtz-calcite vein, minor dissem. py in phyllite
- 2" thin gouge seams
- thin gouge shear, slight flexure of beds
- small scale fold — 85° — qtz-calcite
- 7" qtz-cal veins & 1" phyllite
- .5" qtz-calcite vein
- 8" core with gougy seams, kink fold with thin shear
- thin gouge zones
- 6" qtz-calcite vein & gouge seams
- thin qtz-calcite veins
- .1"-.2" calcite-qtz veins
- irreg. orientated qtz-cal veins
- .25" gouge
- narrow qtz calcite vein
- 1" qtz-calcite veins
- 477.3-478.1 grey silic lst bands small scale fold, bed broken

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE
-422	90	NQ
422-427	100	NQ
427-432	98.3	NQ
432-437	100	NQ
437-442	91.7	NQ
442-447	101.7	NQ
447-452	100	NQ
452-457	102.5	NQ
457-462	93.3	NQ
462-467	103.3	NQ
467-472	95	NQ
472-477	101.7	NQ
477-	95.8	NQ

% SULPHIDES | SAMPLE INTERVAL | % REC'Y. SAMP. INT. | ESTIMATED

HOLE NO.: BOB 80-2

COLLAR ELEV.:

GROUND ELEV.: 3157'

COORDINATES: 141+75 N. 150 E.

INCLINATION: -55°

BEARING: NORTH

PROJECT: BOB

DATE STARTED: MARCH 15, 1980

DATE FINISHED: MARCH 20, 1980

TOTAL DEPTH: 502'

REF. TO CLAIM CORNER:

SCALE: 1" : 10'

LOGGED BY: KB McHALE

SECTION | ALTERATION | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE

DESCRIPTIVE GEOLOGY

% SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y SAMP. INT. | ESTIMATED

Section depths: 480, 490, 500, 502

Geology column notes:

- .4" qtz-calcite veins
- 482-497: few 4gy athic lst lenses & bands
- 6" qtz-calcite vein
- 50% narrow irreg qtz-calcite veins
- 4" qtz-calcite vein
- 486-492 quartz-calcite vein, minor gougy phyllite seams
- 497.5 6" contorted bedding ? slump feature

460-497 PHYLLITE : (see page 9)

497-502 PHYLLITIC LIMESTONE - LIMESTONE :
light grey - dark grey, well banded, .05" - .2", up to .8", lst bands very lensy.

502 : END OF HOLE

Drilling Interval	% Core Recovered	Core Size
-482	95.8	NQ
482-487	100	NQ
487-492	90	NQ
492-497	105	NQ
497-502	96.7	NQ

HOLE NO.: BOB 80-3
COLLAR ELEV.:
GROUND ELEV.: 3067'
COORDINATES: 144+50 N. 120 E.
INCLINATION: -55°
BEARING: NORTH

PROJECT: BOB
DATE STARTED: MARCH 22, 1980
DATE FINISHED: MARCH 27, 1980
TOTAL DEPTH: 490'

REF. TO CLAIM CORNER:
SCALE: 1" : 10'
LOGGED BY: KB MCHALE

SECTION | ALTERATION | FRACTURING | MINERAL | GEOLOGY

COMMENTS:

AVE CORE REC'Y / HOLE: 71.8

DESCRIPTIVE GEOLOGY

0-83 OVERBURDEN

83-96 FAULT GOUGE BRECCIA : calcareous clay gouge matrix, quartz, shale & ? alt'd intrusive fragments, .1" to 2" in diameter, avg. .3"

96-106 QUARTZ & SILICIFIED QUARTZ SERICITE PHYLLITE : white - yellowish grey - dusky yellow, 30% quartz, trace dissem. py, quartz bands 65-70° to core, 102-106 gouge

106-112 No Core - probable fault zone, & transition to phyllite

112-145 PHYLLITE : white - light grey to black, f.g., thin banded, avg. .05" or less, in places calcareous material very lensy ; .1"-1", banding generally 70° to core, from 124 to 148 % of light grey calc. (lst.) bands increases, 135'- 20%,

Geology column notes (section 0–130):

- ← silicified, minor dissem. py.
- 102-106 sheared & gougy
- 106-112 no core
- sheared phyllite
- ← narrow qtz-calcite vein with minor diss. py.
- ← trace dissem. py in phyllite
- ← tr. dissem. py in [illegible]
- .05-.1" band f.g. py.
- ← broken core qtz sericite phyllite
- ← minor dissem. py.
- ← qtz-cal vein with minor dissem. py.
- ← .05" band f.g. py.
- 125-126 qtz-calcite-gouge
- 126-129 phyllite & calcite, [illegible] @ 30° to core
- 129-130 20% qtz-calcite veins, [illegible] phyllite & gouge

DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE
82-87	103.3	NQ
87-92	11.7	NQ
92-96	20.8	NQ
96-101	111.7	NQ
101-106	30.0	NQ
106-112	0	NQ
112-114	20.8	NQ
114-115	58.3	NQ
115-120	100	NQ
120-122	77.1	NQ
122-126	81.3	NQ
126-130	91.7	NQ

Columns also printed (empty): % SULPHIDES, SAMPLE INTERVAL, % REC'Y SAMP. INT., ESTIMATED

Section depths: 0, 80, 90, 100, 110, 120, 130

HOLE NO.: ⌐⌐6 80-3	PROJECT: BOB	PAGE NO.: 2 OF 7	
COLLAR ELEV.:	GROUND ELEV.: 3067'	DATE STARTED: MARCH 22, 1980	REF. TO CLAIM CORNER:
COORDINATES: 144+50 N. 120 E.		DATE FINISHED: MARCH 27, 1980	SCALE: 1" : 10'
INCLINATION: -55°	BEARING: NORTH	TOTAL DEPTH: 490'	LOGGED BY: KB McHALE

SECTION | ALTERATION | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE: 71.8 | % SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y. SAMP. INT. | ESTIMATED

DESCRIPTIVE GEOLOGY

Section 130 – 190

Comments (geology column annotations):

- ← tr. dissem. py.
- ← tr. dissem. py.
- 50% qtz-calcite vein, remainder phyllite-gouge, minor dissem. py.
- ← tr. dissem. py.
- qtz-minor calcite vein, 1.25" phyllite band
- ← irreg. qtz-calcite veins
- ← 2" qtz-calcite vein
- ← calcite lens with 6 .15"-.1" py frags.
- ← 5" mottled lt pinky-white qtz vein
- ← 4" qtz-calcite vein, gougy contacts
- ← tr. dissem py
- ← 60% qtz-calcite, phyllite frags in qtz. lower contact irreg. bands qtz-cal.
- ← 2" qtz-calcite vein, with .5" py frag, bedding dragged up along lower contact
- ← minor dissem py.
- ← minor dissem. py.
- ← 4 - .25" - .75" qtz calcite veins, minor diss. py in upper most vein
- minor dissem. py in lst lens
- ← minor dissem py in lst-calcite band
- ← minor dissem py in phyllitic lst.
- ← tr. py in lst lens
- 1" qtz calcite vein, bedding adjacent became 30°
- ← 1" qtz calcite vein
- ← 0.8" qtz-calcite vein, ½" phyllite seams
- mottled qtz, phyllite seams & patches
- gouge bx with .25"-.5" qtz-calcite fragments
- irreg. orientated narrow qtz. veining
- ← tr. ZnS
- ← 1-2% dissem. py.
- ← tr. dissem. py.
- 60% irreg. qtz veining; qtz sericite siltstone as 2" frags & thin stringer seams

Descriptive geology:

112 - 145 PHYLLITE (see page 1)

145 - 169 LIMESTONE - PHYLLITE
light grey to black, thin banded, 40-50% lst, shale calcareous

169 - 180 PHYLLITE : light grey to black, f.g., thin bedded, abundant qtz-calcite veining & fault bx., some with light green talcose mineral.

180 - 186.4 QUARTZ VEIN ZONE
white - light grey - dusky yellow, strongly sheared, sericite, probably quartz sericite phyllite unit,

186.4 - 197 SILTSTONE mottled light grey, quartz grains .02"

DRILLING INTERVAL	% CORE RECOVERED
130 - 135	95
135 - 141	83.3
141 - 146	104.2
146 - 151	108.3
151 - 157	83.3
157 - 162	73.3
162 - 165	83.3
165 - 169	83.3
169 - 171	83.3
171 - 176	104.2
176 - 181	101.7
181 - 187	103.3
187 -	100

SAMPLE INTERVAL	ESTIMATED
180 - 186.4	Tr. Zn <Tr. Pb

HOLE NO.: BoB 80-3 | PROJECT: BOB | PAGE NO.: 3 OF 7

COLLAR ELEV.: | GROUND ELEV.: 3067' | DATE STARTED: MARCH 22, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 144 +50 N. 120 E. | DATE FINISHED: MARCH 27, 1980 | SCALE: 1" : 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 490' | LOGGED BY: KBMCHALE

COMMENTS:

AVE CORE REC'Y / HOLE 71.8

DESCRIPTIVE GEOLOGY

186.4 - 197 SILTSTONE (see page 2)

197 - 214.6 QUARTZ SERICITE SILTSTONE

mottled light grey - dusky yellow, quartz grains, dusky yellow sericite seams, lower contact 213.5 to 214.6 - zone with irreg. qtz calcite veins, sericite phyllite & phyllite patches (transition zone)

214.6 - 262 PHYLLITE - SHALE

light grey to black, well banded, weakly calcareous to non calcareous, bands .05" to .3", avg. <.1", in places x bedding; 5% irreg. qtz - calcite veins

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
190						192	100	NQ			
						197	103.3				
200						202	99.2				
						207	113.3				
210						212	88.3				
						217	103.3				
220						222	100				
						227	100				
230						232	80				
						237	40				
240						242	76.7				
						247	55				
250						250	97.2				

- 80% mottled white qtz with sericite seams
- .25" qtz. v.
- 1" qtz. v.
- tr. dissem. py.
- 3 - .25" qtz. veins
- 2.5" qtz vein with sericite seams
- irreg. qtz veins, largest 5", mottled patches qtz sericite siltstone
- lamination of sericite
- .25" mottled white-lt. gy qtz vein, irreg. seams sericite
- 3" mottled gy qtz vein, sericite seams
- irreg. .25" - .5" qtz. veins
- mottled qtz cal. veins, patches sericite tr. dissem. py; 2nd stage zoned qtz cal veins @ 20° to core
- tr. dissem. py
- tr. dissem. py
- gouge on contact
- mottled qtz-calcite vein with patches of phyllite
- tr. dissem. py in phyllite
- qtz cal vein, tr. dissem. py.
- tr. dissem. py.
- tr. dissem. py.
- tr. dissem. py.
- most core broken, gouge phyllite
- tr. dissem. py
- .25" qtz calcite vein
- tr. dissem. py.
- gouge & broken qtz veins
- .25" qtz-calcite vein
- gouge phyllite

HOLE NO.: BOB 80-3 | PROJECT: BOB | PAGE NO.: 4 OF 7

COLLAR ELEV.: | GROUND ELEV.: 3067' | DATE STARTED: MARCH 22, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 144+50 N. 120 E. | DATE FINISHED: MARCH 27, 1980 | SCALE: 1" : 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 490' | LOGGED BY: KBMcHALE

COMMENTS:

AVE CORE REC'Y / HOLE 71.8

DESCRIPTIVE GEOLOGY

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY
250				250-253' broken core, gouge phyllite	214.6 - 262 PHYLLITE - SHALE (see page 3)
				← 2" qtz calcite vein	
260				No Core	262 - 302 FAULT ZONE gouge, fragments of phyllite & quartz, ? black chert or silicified shale, weakly to non calcareous,
				← tr. dissem py.	
270				272.6' 2" qtz vein with minor dissem py. broken gouge core, phyllite with thin interbeds black ? chert	
				277-302 fault gouge breccia .25" or less qtz-calcite fragments in gouge, minor dissem. v.f.g. py. perhaps 1-2% py.	
280					
290					
300				← .1" qtz. vein	302 - 355.4 DOLOMITIC SHALE - PHYLLITE predominantly medium dark grey with few .05" to .1" black bands; few thin qtz veins
310				309-311 broken gouge core, phyllite & quartz	

% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
	250	63.9	NQ			
	253	18.3				
	258	0				
	262	53.3				
	267	31.7				
	272	55				
	277	6.7	BQ			
	287	56.7				
	297	33.3				
	302	91.7				
	305	78.1				
	307					

HOLE NO.: Bob 80-3
COLLAR ELEV.:
GROUND ELEV.: 3067'
COORDINATES: 144+50 N. 120 E.
INCLINATION: -55°
BEARING: NORTH

PROJECT: BOB
DATE STARTED: MARCH 22, 1980
DATE FINISHED: MARCH, 27, 1980
TOTAL DEPTH: 490'

REF. TO CLAIM CORNER:
SCALE: 1": 10'
LOGGED BY: KBMCHALE

SECTION | ALTERATION | FRACTURING | MINERAL | GEOLOGY | COMMENTS: | AVE CORE REC'Y / HOLE: 71.8 | % SULPHIDES | DRILLING INTERVAL | % CORE RECOVERED | CORE SIZE | SAMPLE INTERVAL | % REC'Y. SAMP. INT. | ESTIMATED

DESCRIPTIVE GEOLOGY

Section: 310 – 370

309-311 broken gougy core - phyllite & quartz
- .4" x .1" py blob along banding
- tr. dissem. py.
- broken qtz. & phyllite gouge
- .1" py. blebs in .25" qtz. blebs
- .1" x .3" py blob in narrow qtz vein

319-327 poor recovery - phyllite & gouge seams

- qtz.-calcite vein
- tr. dissem. py. in phyllite
- irreg. qtz.-calcite vein for 1.5", .2" x .1" py blob
- gouge & mottled qtz. vein
- qtz calcite vein with tr. dissem. py.
- irreg. qtz.-calcite vein, 4 blebs py up to .3"
- .25" qtz-calcite vein
- two .4" qtz.-calcite veins
- .25" qtz.-calcite vein

302 - 355.4 DOLOMITIC SHALE - PHYLLITE (see page 4)

355.4 - 367.6 PHYLLITIC LIMESTONE - CALCAREOUS PHYLLITE
light grey - dark grey - black, fine grained, few very narrow quartz-calcite veins.

367.6 - 490 PHYLLITE : medium light grey - black, f.g., usually non calcareous, in places banding very lensoidal. thin banded, avg. .02", up to .15"

Drilling Interval	% Core Recovered	Core Size
311 - 314	70.8	BQ
314 - 317	51.4	BQ
317 - 319	45.8	BQ
319 - 327	21.9	BQ
327 - 331	37.5	BQ
331 - 333	47.9	BQ
333 - 337	84.4	BQ
337 - 341	52.1	BQ
341 - 343	87.5	BQ
343 - 347	89.6	BQ
347 - 352.5	86.4	BQ
352.5 - 358	87.9	BQ
358 - 364.5	89.7	BQ
364.5 - 367	98.3	BQ
367 -	42.5	BQ

HOLE NO.: BB 80-3 | PROJECT: BOB | PAGE NO.: 6 OF 7

COLLAR ELEV.: | GROUND ELEV.: 3067' | DATE STARTED: MARCH 22, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 144+50 N. 120 E. | DATE FINISHED: MARCH 27, 1980 | SCALE: 1" : 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 490' | LOGGED BY: KBMc HALE

COMMENTS:

AVE CORE REC'Y / HOLE 71.8

DESCRIPTIVE GEOLOGY

367.6 - 490 PHYLLITE (see page 5)

irregular quartz veining & gassy phyllite, banding 70°

.1" quartz-calcite vein

.05" band f-g. py.

.2" qtz-calcite vein

.1" qtz-calcite vein

1" qtz. vein

3" broken core, mottled qtz-calcite with phyllite fragments

.25" qtz.-calcite vein

423-437 slight crenulations in banding; ? approaching fault

SECTION	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.
370					
	377	42.5			
380		69.6			
	384				
		58.9			
390	391				
		98.6			
	397				
400		86.1	BQ		
	403				
		77.8			
410	409				
		113.9			
	412				
		59.5			
420	419				
		95.8			
	423				
430		95.4			

HOLE NO.: B 80-3 | PROJECT: BOB | PAGE NO.: 7 OF 7

COLLAR ELEV.: | GROUND ELEV.: 3067' | DATE STARTED: MARCH 22, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 144+50 N. 120 E. | DATE FINISHED: MARCH 27, 1980 | SCALE: 1" : 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 490' | LOGGED BY: KB McHALE

COMMENTS: Hole stopped at 490' by drillers, unable to penetrate further due to binding rods.

AVE CORE REC'Y / HOLE: 71.8

SECTION	ALTERATION	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
430					367.6 - 490 PHYLLITE (see page 5)		432	95.4	BQ			
					.25" quartz-calcite vein							
					.3" quartz-calcite vein							
					narrow qtz-calcite vein							
					4.0" band f.g. Py along bedding			79.8				
440					2.5" qtz. with phyllite inclusions		439					
					.3"-.7" qtz. vein							
								85.7				
							446					
450					7" qtz. vein							
					6" qtz. vein, irreg. patches & seams of phyllite			90				
					small scale folds							
					.25" calcite-qtz. vein		456					
					.2" qtz-calcite vein			87.5				
460							460					
					broken core phyllite-gouge & quartz-calcite		463	69.4				
							465	56.3				
								70.8				
470					broken core phyllite-gouge & quartz-calcite		471					
							473	54.2				
								74				
							477					
480							480	66.7				
								66.7				
							484					
					broken core, quartz-calcite with phyllite seams		486	16.7				
							487	37.5				
					gouge phyllite		490	33.3				
490					490' END OF HOLE							

PAGE NO.: 1 OF 1 | PROJECT: BOB | HOLE NO.: BOB 80-3

CASING COLLAR ELEV.: | GROUND ELEV.: 3067 | DATE STARTED: MARCH 22, 1980 | REF. TO CLAIM CORNER:

COORDINATES: 144+50 N. 120 E. | DATE FINISHED: MARCH 27, 1980 | SCALE: 1" = 10'

INCLINATION: -55° | BEARING: NORTH | TOTAL DEPTH: 490' | LOGGED BY: KBMcHALE

CORE										SLUDGE								
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	ASSAY					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				% Zn	% Pb	Ag oz/tn			FROM	TO								
180	186.4	801568																	

APPENDIX II

IN THE MATTER OF

TO WIT:

I Kenneth Barry McHale, residing at 20951 Louie Crescent, Langley in the Province of British Columbia do solemnly declare that Brinex Limited spent $91,503.13 on the Bob No. 1 to 56 Mineral Claims located in the Watson Lake Mining District of the Yukon Territory. These costs are outlined in Appendix II - Statement of Expenditures, contained in the assessment report "Summary of Exploration Activitiies - Bob Claims, Yukon " submitted to the Watson Lake Mining Recorder.

AND I make this solemn declaration, conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

DECLARED before me at

Vancouver in the

Province of British Columbia, this

2nd day of May, 1980

K Barry McHale

~~May 2, 1980~~

K Barry McHale

JEROME R. BERKSON, Notary Public

A Notary Public in and for the Province of British Columbia

APPENDIX II

STATEMENT OF EXPENDITURES

Bob 1 to 56 Mineral Claims
105-G-15
Watson Lake Mining District

Field Period February 26 to March 28, 1980
Report Period March 29 to May 1, 1980

SALARIES	$5,390.08
CONTRACT WORK - linecutting	1,000.00
- geophysical survey	3,884.00
- diamond drilling	69,604.05
HELICOPTER	7,700.00
FREIGHT	1,024.00
FIELD SUPPLIES	1,101.00
ANALYTICAL	100.00
REPORT PREPARATION	1,700.00
TOTAL	91,503.13

KBMcHale

KBMcHale

SALARIES:

Field period February 26 to March 28, 1980

K. B. McHale	32 days @ 3.25/30	$3,470.08
B. Wood	32 days @ 1.8/30	1,920.00
		$5,390.08

CONTRACT WORK:

1. Work by Ketza Enterprises Ltd.
   Ross River Y.T.
   Services consisting of line cutting on property. $1,000.00

2. Work by Peter Walcott and Associates
   605 Rutland Court
   Coquitlam, B.C.
   Services consisting of Max-Min EM Survey 3,884.00

3. Work by Arctic Diamond Drilling Ltd.
   184 Industrial Road
   Whitehorse, Yukon 69,604.05

$74,488.05

HELICOPTER:

Charter flight with Trans North Turbo Air and Tradewinds Aviation Ltd. from Ross River to Fortin Lake camp for mobilization and demobilization. $7,700.00

FREIGHT:

Haulage of equipment from Whitehorse and Ross River to start of winter road on Robert Campbell Highway and air freight shipments of supplies. 1,024.00

FIELD SUPPLIES: 1,101.00

ANALYTICAL: 100.00

KBMcHale

KBMcHale

REPORT PREPARATION:

Salaries K. B. McHale	$1,100.00
Drafting Services	350.00
Printing and Supplies	250.00
	$1,700.00

KBMcHale

KBMcHale

APPENDIX III

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, Kenneth Barry McHale of Langley, British Columbia hereby certify that:

1. I am a Project Geologist residing at 20951 Louie Crescent Langley and am employed by Brinex Limited of 704-602 West Hastings Street, Vancouver, B.C. V6B 1P2.

2. I am a graduate of the University of British Columbia, B.Sc., in 1966 and have practised my profession since that time.

3. I am a Fellow in the Geological Association of Canada.

4. I am a Member in "The Association of Exploration Geochemists."

5. I am the author of this report which is based on work conducted on the Bob No. 1 to 56 mineral claims during the period February 28 to March 28, 1980.

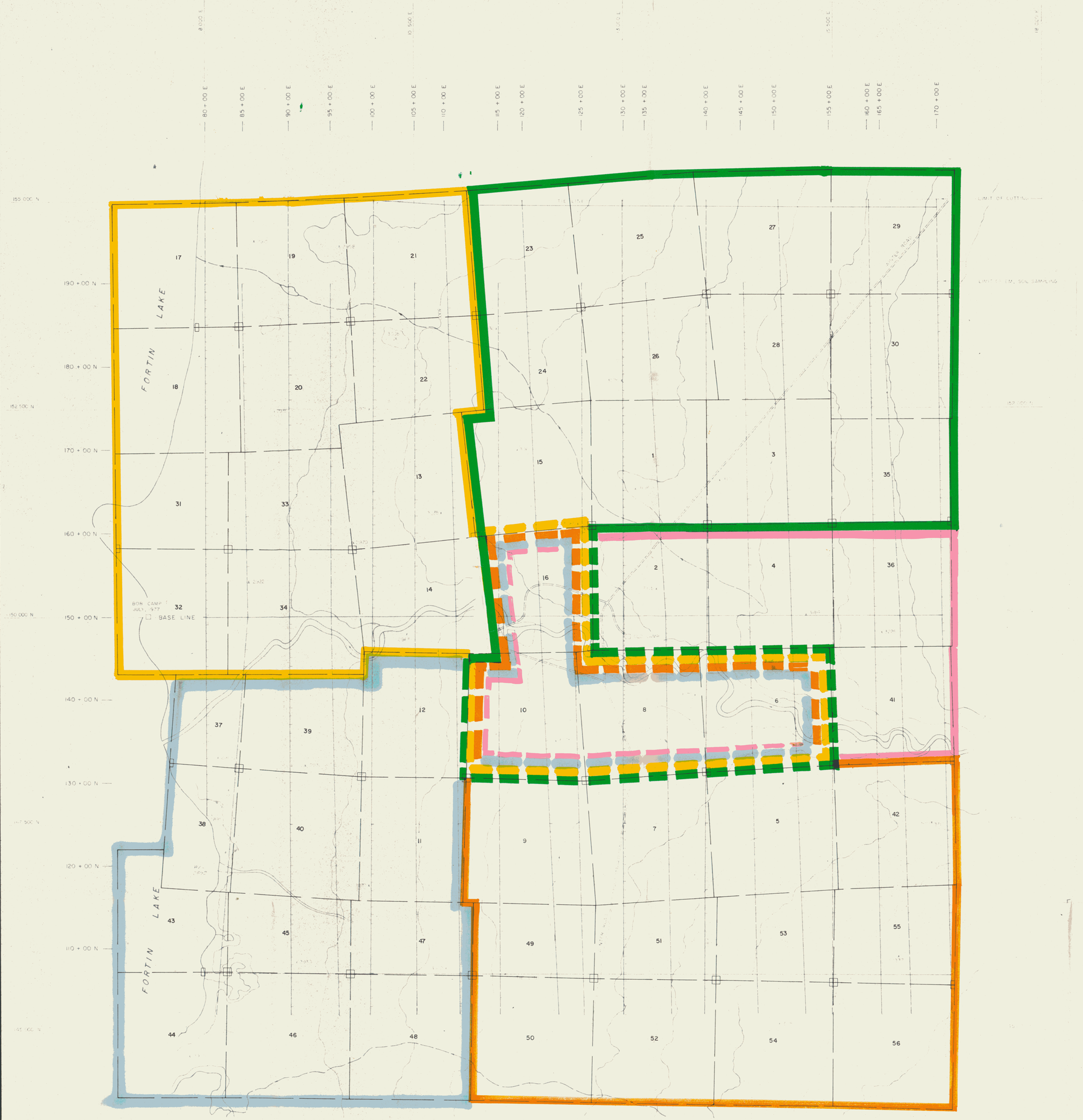
6. The field work was conducted under my supervision.

BRINEX LIMITED

K Barry McHale

K. Barry McHale, B.Sc., F.G.A.C.
Project Geologist

KBMcHale



EXPLANATION

29 BOB CLAIM NUMBER
CLAIM POST LOCATION

CUT LINES

FLAGGED LINES

NOTE: ALL CLAIMS SHOWN ARE BOB PROPERTY MINERAL CLAIMS

GROUP 1
GROUP 2
GROUP 3
GROUP 4
GROUP 5

NOTE: BOB MINERAL CLAIMS 6,8,10 and 16 are common to GROUPS 1-5

OGILVIE JOINT VENTURE

CLAIM MAP

BOB PROPERTY

FORTIN LAKE AREA, (N.T.S. 105-G-15)
WATSON LAKE MINING DISTRICT, YUKON TERRITORY
LAT: 61° 57' N LONG: 130° 30' W

CONTOUR INTERVAL = 50 FEET

500 0 500 1000 1500
SCALE IN FEET

APRIL 1980 FIGURE G80151-2

8 000 E | 10 500 E | 13 000 E | 15 500 E | 18 000 E

80 + 00 E | 85 + 00 E | 90 + 00 E | 95 + 00 E | 100 + 00 E | 105 + 00 E | 110 + 00 E | 115 + 00 E | 120 + 00 E | 125 + 00 E | 130 + 00 E | 135 + 00 E | 140 + 00 E | 145 + 00 E | 150 + 00 E | 155 + 00 E | 160 + 00 E | 165 + 00 E | 170 + 00 E

155 000 N — 190 + 00 N — 180 + 00 N — 170 + 00 N — 160 + 00 N — 150 + 00 N — 140 + 00 N — 130 + 00 N — 120 + 00 N — 110 + 00 N — 152 500 N — 147 500 N — 145 000 N

TIE LINE — LIMIT OF CUTTING — LIMIT OF EM, SOIL SAMPLING — WINTER ROAD — FORTIN LAKE — BOB CAMP JULY, 1977 — BASE LINE — OLD CAMP — DDH 80-3 — DDH 80-1 — DDH 80-2

EXPLANATION

- SOIL SAMPLE LOCATION AND (PARTS PER MILLION)
- N.S. NO SAMPLE
- SWAMP
- CUT LINE
- FLAGGED LINE
- SURFACE PROJECTION OF I.P. ANOMALY
- AREA OF E.M. SURVEY
- LOCATION OF GROUND E.M. CONDUCTOR
- DRILL HOLE LOCATION

63	65	67
64	66	68
57	59	61
58	60	62
69	71	73
70	72	74

152 000 N — 150 000 N — 147 500 N — 145 000 N

BOB CLAIMS

GEOPHYSICAL and DRILL HOLE LOCATION MAP

500 0 500 1000 1500

SCALE: 1" = 500'

Figure G80151-3

105 G-15NW

BRITISH NEWFOUNDLAND EXPLORATION LIMITED
VANCOUVER, B.C., CANADA

CROSS SECTION L150 E
DDH - BOB 80-2
looking West

SCALE: 1" = 20'

DRAWN BY: KBH

TRACED BY:

CHECKED BY:

DATE:

REV:

MAP NO: G 80151-4

MAP REF: 105 G/15

Horizontal & Vertical

0 20 FEET

LEGEND:

- OVERBURDEN
- BEDDING ATTITUDES
- CONTACTS
- FAULT
- FAULT ZONE
- SMALL SCALE FOLDS ATTITUDES
- SURFACE PROJECTION CHARGEABILITY ANOMALY (Center of Anomaly)

DDH LOCATION
141 + 75 N

BCIL 800941 - B.N.E.X

BRITISH NEWFOUNDLAND EXPLORATION LIMITED
VANCOUVER, B.C., CANADA

CROSS SECTION L 120 E
DDH-BOB 80-3

looking West

DATE:	SCALE: 1" = 20'	DRAWN BY: KBM	
REV:	MAP NO: G 80151-5	TRACED BY:	
	MAP REF: 105 G/15	CHECKED BY:	

Horizontal ‡ Vertical

20 0 20 FEET

LEGEND:

- OVERBURDEN
- BEDDING ATTITUDES
- CONTACTS
- FAULT
- FAULT ZONE
- SMALL SCALE FOLDS ATTITUDES
- SURFACE PROJECTION CHARGEABILITY ANOMALY

Center of Anomaly

DDH LOCATION 144+50 N

N

S

BCL 6009AI - B.N.E.X.

DDH LOCATION
LINE 130 E
Δ 143 N

qtz. vein

shale

0.04 % Pb / 1.32 % Zn / 0.07 oz/ton Ag

0.05% Pb / 0.17 % Zn / 0.06 oz./ton Ag

0.51 % Pb / 6.20% Zn / 0.69 oz/ton Ag

Tr. Pb / Tr. Zn

sericite phyllite

quartz phyllite

phyllitic shale

phyllite shale

phyllite

phyllitic shale

quartz phyllite

quartz vein

<1% py

calcareous shale

argillaceous dolomite

qtz. vein

qtz. phyllite

qtz. calc. vein

1-2% py
locally up to 5%

dolomite siltstone

<1% py

shale

cross bedding

no core

fault

rhyolite shale

fault

<1% py

shale - phyllite

phyllitic shale

phyllite

fault

phyllite
shale

fault

shale phyllite

fault

LEGEND :

- OVERBURDEN
- BEDDING ATTITUDES
- CONTACTS
- FAULT
- FAULT ZONE
- SMALL SCALE FOLDS ATTITUDES
- SURFACE PROJECTION CHARGEABILITY ANOMALY

Center of Anomaly

20 0 20 FEET

Horizontal ¦ Vertical

BRITISH NEWFOUNDLAND EXPLORATION LIMITED
VANCOUVER, B.C., CANADA

CROSS SECTION L 130 E
DDH - BOB 80 - 1

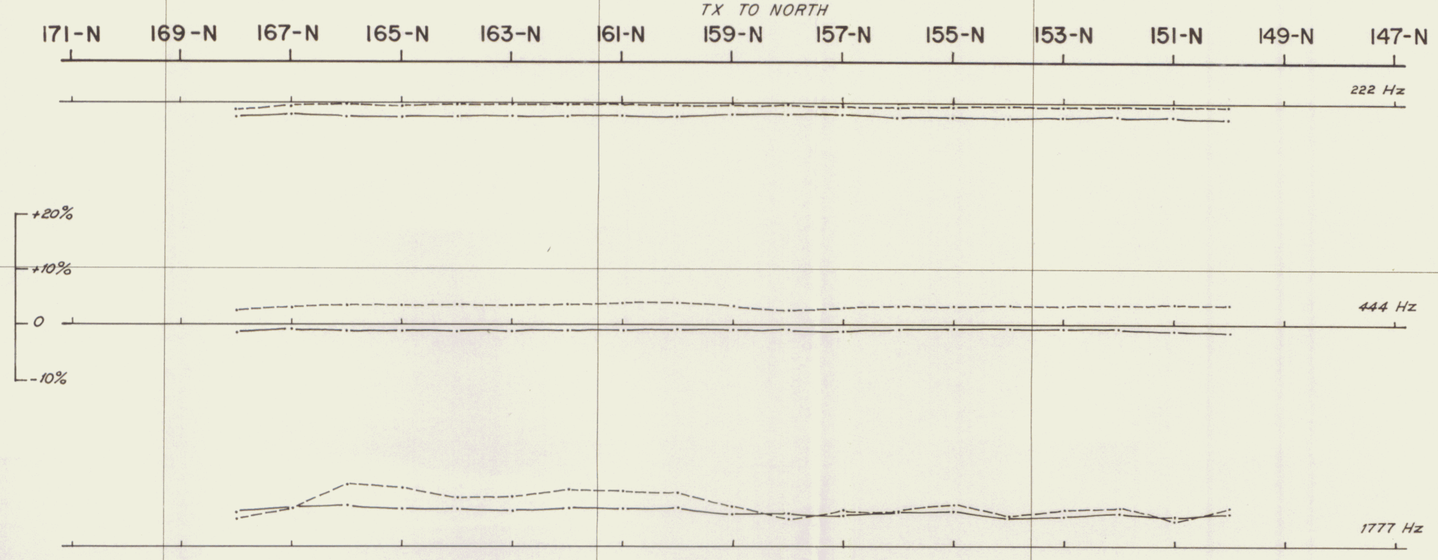
looking West

DATE:	SCALE: 1" = 20'	DRAWN BY: KBM
REV:	MAP NO: G 80151 - 6	TRACED BY:
	MAP REF: 105 G/15	CHECKED BY:

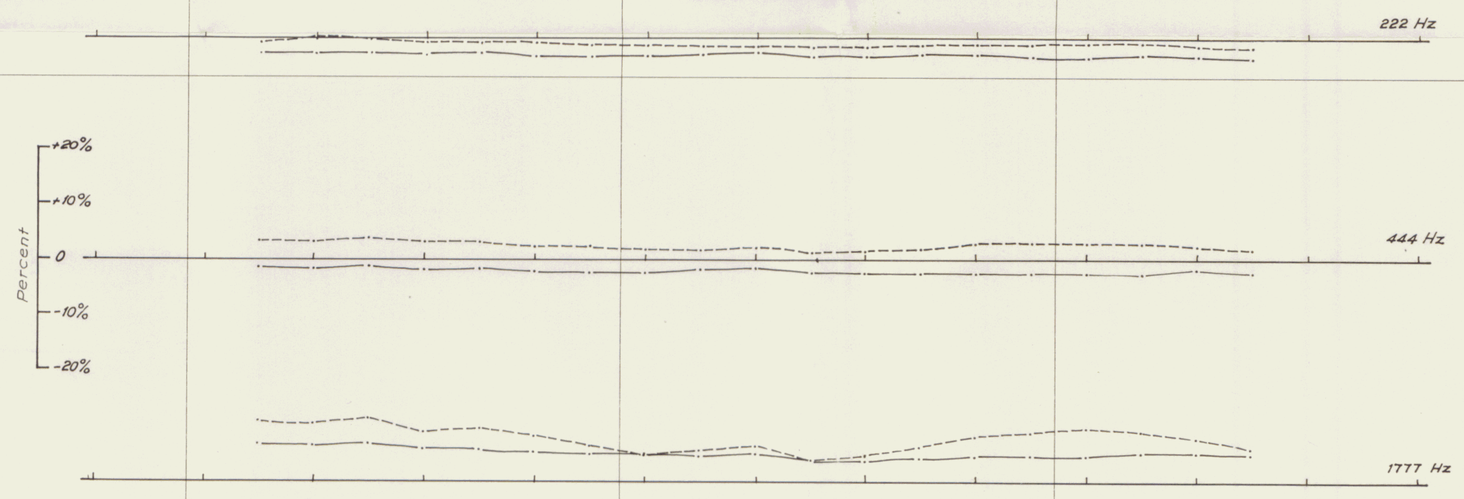
BCIL 6009A1 - B.N.E.X.

LINE 155+00 E

TX TO NORTH

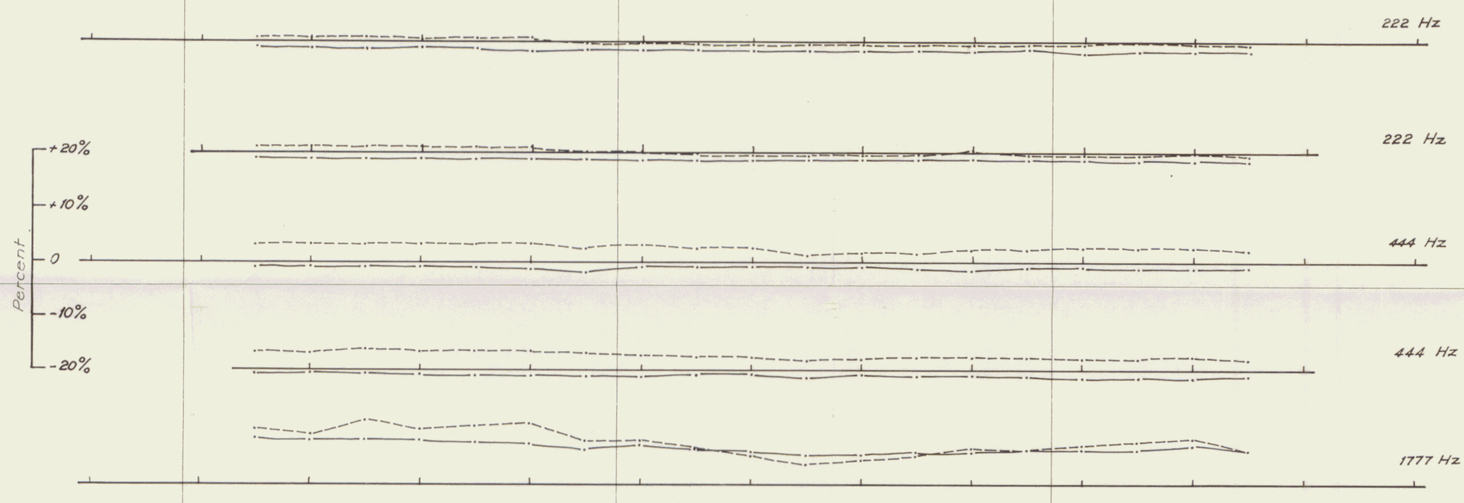


LINE 152+50 E



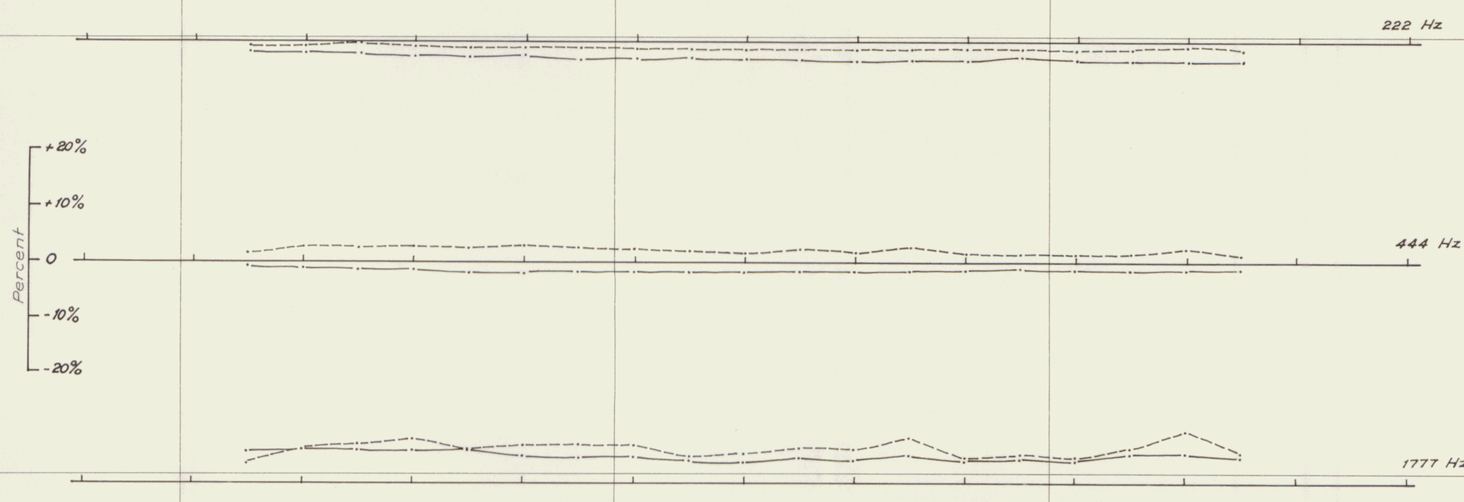
LINE 150+00 E

TX TO SOUTH



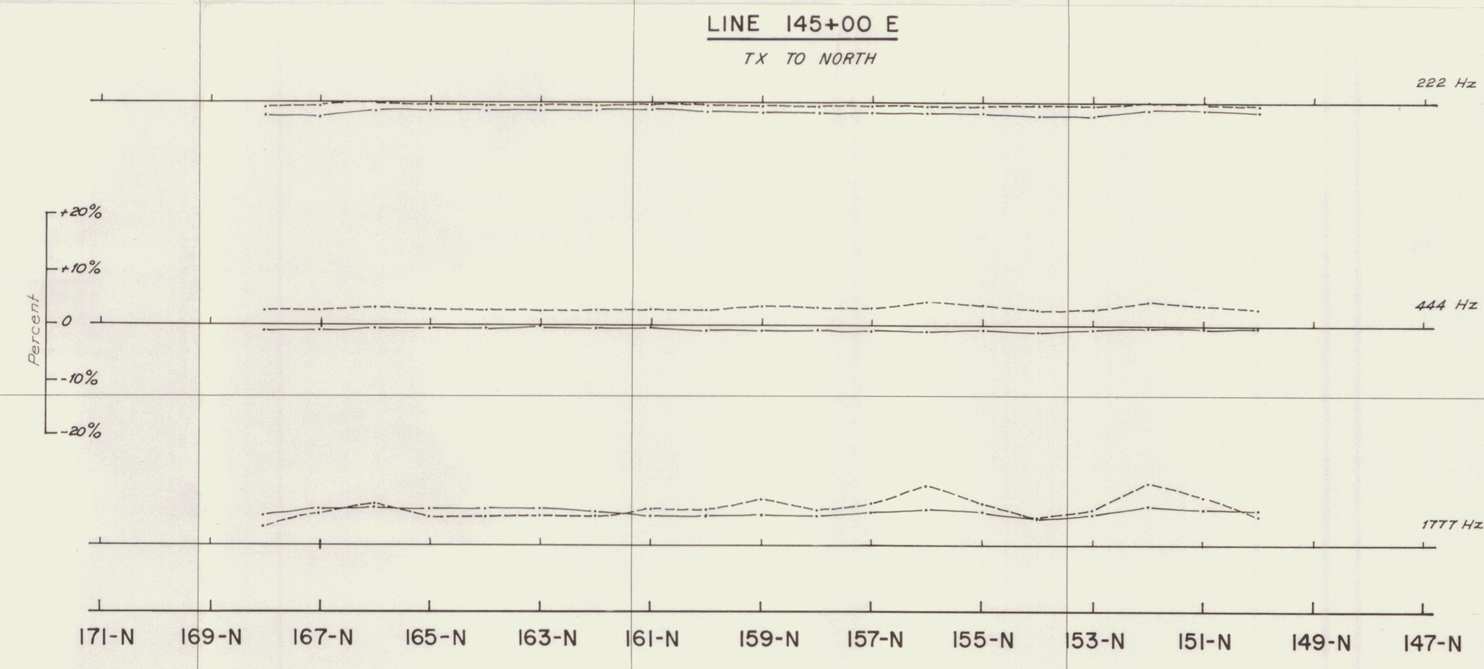
LINE 147+50 E

TX TO SOUTH



LINE 145+00 E

TX TO NORTH



LEGEND

IN PHASE

OUT OF PHASE

COIL SEPARATION – 600 FT.

0 100 200

Scale in Feet

BRITISH NEWFOUNDLAND EXPLORATION LIMITED
VANCOUVER, B.C., CANADA

BOB CLAIMS
MAX-MIN EM-PROFILES
looking East

DATE:	SCALE: 1"= 200'	DRAWN BY: KBM
REV:	MAP NO: G 80151 - 7	TRACED BY:
	MAP REF: 105 G/15	CHECKED BY:

BCIL 6009A1 - B.N.E.X.