

BRENDA MINES LTD. '80-#87-
EXPLORATION GROUP # 7872

DIAMOND DRILL REPORT
on the
GREATA PROPERTY

Osoyoos Mining District
N.T.S. 82E/13
Lat. 49° 47' Long. 119° 55'

Paul C. Bankes
February, 1980

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

7872

TABLE of CONTENTS

	<u>Page No.</u>
I INTRODUCTION	1
II PROPERTY DESCRIPTION	
a) Location and Access	1
b) Claim Inventory	2
III REGIONAL GEOLOGY	2
IV DIAMOND DRILLING	
a) Introduction	5
b) Lithologies	5
1. Metadiorite	5
2. Quartz Feldspar Porphyry	6
3. Sericite Granite	6
4. Monzonite	6
5. Veining	7
c) Diamond Drill Hole Descriptions	
1. D.D.H. GR-1-79	7
2. D.D.H. GR-2-79	9
3. D.D.H. GR-3-79	9
4. D.D.H. GR-4-79	12
V CONCLUSIONS	14
APPENDICIES	
I Personnel and Time Allotment	15
II Diamond Drill Logs	16
III Assay Results	28
IV Statement of Costs	31
V Statement of Qualifications	32
FIGURES	
1 - Location Map	3
2 - Claim Map	4
3 - D.D.H. GR-1-79 - Cross Section	8
4 - D.D.H. GR-2-79 - Cross Section	10
5 - D.D.H. GR-3-79 - Cross Section	11
6 - D.D.H. GR-4-79 - Cross Section	13
7 - Drill Hole Location Map	(in pocket)

I INTRODUCTION

In the late 1890's, the area was staked as the Silver King and Alma Hater properties. Work done between 1898 and 1899 was as follows:

Silver King	-	6.1 metre shaft	(20 feet)
	-	70.1 metre tunnel	(230 feet)
Alma Hater	-	66.5 metre tunnel	(218 feet)
	-	33.5 metre tunnel	(110 feet)
	-	22.0 metre tunnel	(72 feet)
	-	3.1 metre shaft	(10 feet)

Interest in the area was not revived until 1963 when R.S. Taylor and J.E.Mott discovered molybdenite in some of the adit waste dumps. The area was restaked as the Rat No. 1 - 26 and Big Daddy No. 13 - 16 mineral claims. Upon the completion of geological mapping, extensive trenching and channel sampling, the claims were allowed to lapse.

In 1978, Brenda Mines Ltd. restaked the area as the Greata III to V and Greata IX and X claim blocks. Geological and geochemical surveys done in 1978 were followed by an I.P. survey and exploration drill program in 1979.

II PROPERTY DESCRIPTION

a) Location and Access

The Greata property is situated in the Osoyoos Mining District, 15 kilometres west of Peachland. B.C. The claims straddle an easterly trending ridge located north of Glen Lake and southeast of Headwaters Lake.

Access to the property is via the Peachland logging road which adjoins the Brenda Mine road near the junction of

Peachland and Greata Creeks. On the central portion of the property, the Peachland logging road branches north to Headwaters Lake and southwest to Glen Lake.

Logging in the area has kept roads in good condition and easily passable by two wheel drive vehicles.

b) Claim Inventory

<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Record Date</u>
Greata III	655	10	March 15/79
Greata IV	656	20	March 15/79
Greata V	657	20	March 15/79
Greata IX	658	16	March 15/79
Greata X	659	20	March 15/79

All of the claims are located in the Osoyoos Mining District.

III REGIONAL GEOLOGY

The regional geology for the area has been described by H.M.A. Rice in the side notes of G.S.C. map 888A, Princeton Map Sheet. He suggests that the area is predominantly underlain by granodiorite and granite units of the Coast Intrusions (Jurassic).

Outcrops of conglomerate, argillite and quartzite on the northeastern portion of the property appear to be part of the Nicola Group (Upper Triassic). A series of small quartz feldspar porphyry bodies intrude the granodiorite on the central map area. These bodies range from 25 to 100 metres in width and are most likely related to the Otter Intrusives (Upper Cretaceous).

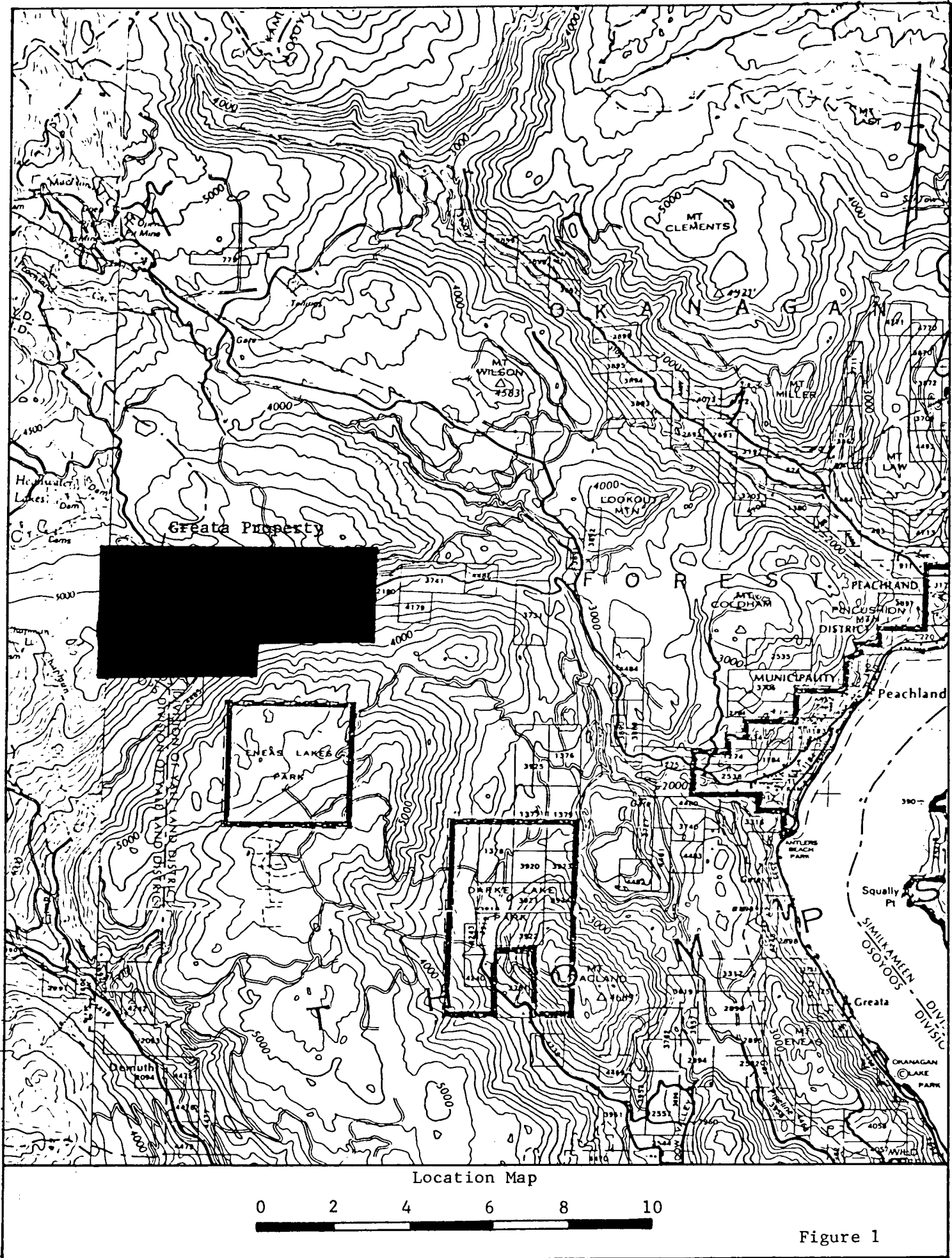


Figure 1

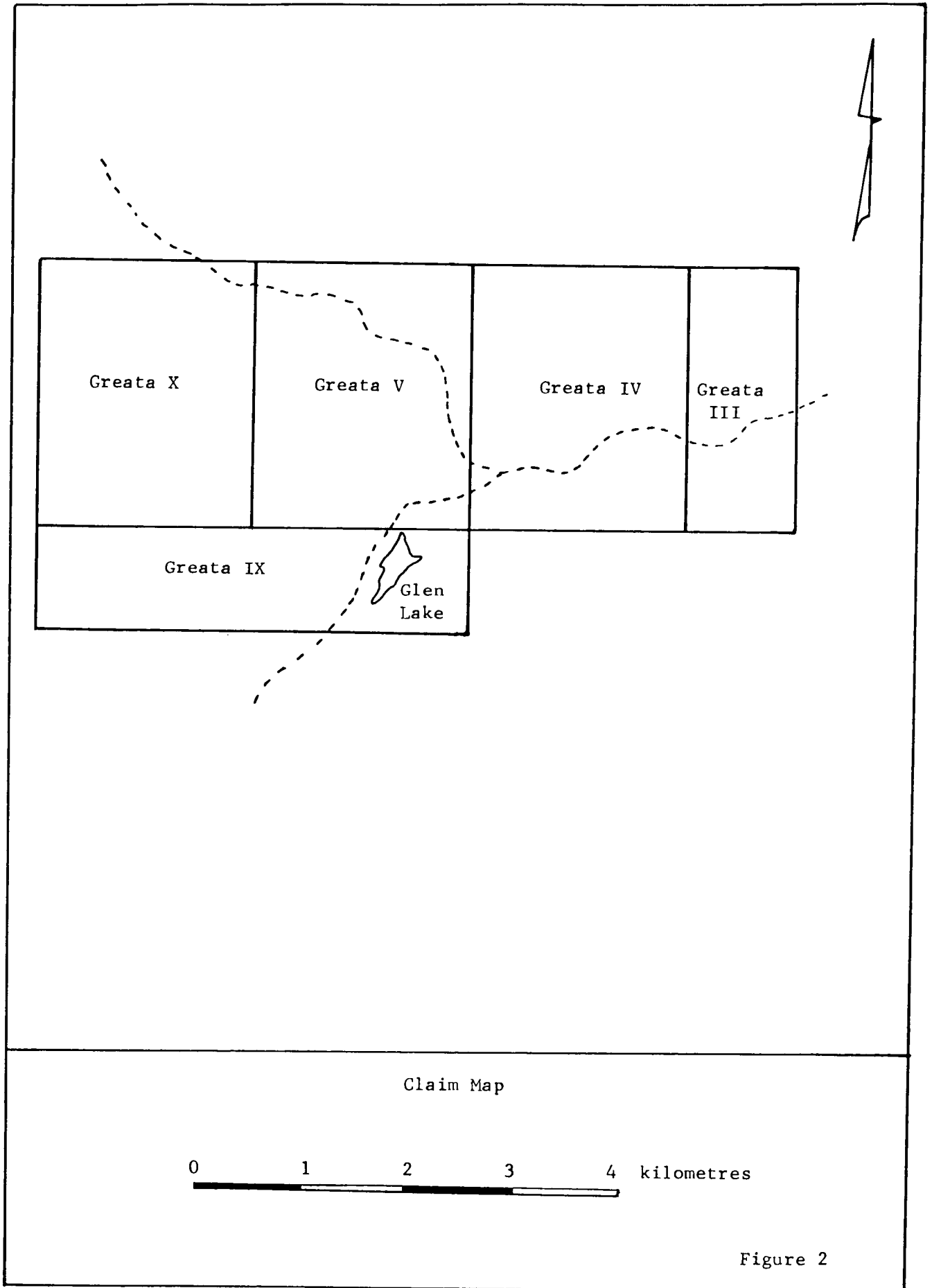


Figure 2

IV DIAMOND DRILLING

a) Introduction

Tonto Drilling Ltd. was contracted to drill 305 metres (1,000 feet) of NQ core (4.7 cm, 1 7/8 inch) during December, 1979.

Holes GR-1-79 and GR-2-79 were drilled on the northern portion of the Greata V claim block to determine the extent of a mineralized sericite granite body. Exploration holes GR-3-79 and GR-4-79 were drilled to better understand the size and nature of a series of easterly trending, quartz molybdenite veins located in an outcrop at 11 + 00W and 9 + 00N. A total of 279 metres (915 feet) of core was drilled.

b) Lithologies

1. Metadiorite

Medium grained metadiorite is the dominant rock type in all four drill holes. Colour varies from grey to dark green as a function of the quartz-biotite-hornblende ratio. Coarse hornblende rich varieties occur locally.

Fabric ranges from strongly foliated to equigranular. Foliated types contain fine (2 to 10 mm) biotite, hornblende and quartz laminations. The metadiorite is limonite stained along sericite rich granite contacts and bleached along basalt contacts.

Alteration ranges from weak to moderate propylitic. Strong chlorite alteration occurs along fractures and fault breccias.

2. Quartz Feldspar Porphyry

A 10 metre zone of quartz feldspar porphyry forms sharp contacts with the metadiorite in diamond drill hole GR-3-79. The quartz feldspar porphyry is blocky, well jointed and pink in colour. The matrix is fine to medium grained and contains euhedral phenocrysts of K-feldspar (up to .5 cm) and quartz (up to 1 cm). Trace amounts of fine grained pyrite is disseminated throughout.

3. Sericite Granite

Sericite granite seen at the top of hole GR-1-79 is medium grained, light brown in colour, and lies in sharp contact with the metadiorite. The fabric is characterized by a strong intergrowth of sericite and by the absence of euhedral quartz and feldspar phenocrysts. Intense limonite alteration and fracturing resulted in poor core recovery.

The sericite granite contains strong pyrite and minor disseminated molybdenite mineralization. Molybdenite occurs as narrow fracture fillings and as small rosettes. Pyrite is finely disseminated throughout and frequently occurs as 1 to 5 centimetre blebs.

4. Monzonite

A 5 metre zone of pink monzonite occurs in the lower portion of drill hole GR-4-79. The monzonite is generally medium grained equigranular with coarser and finer zones occurring locally. A weak lineation of the biotite has imparted a slightly gneissic texture to much of the zone. Fracturing is widespread and frequently

hosts minor pyrite and magnetite.

5. Veining

Veining in the metadiorite has been subdivided as follows:

- I Phase I Quartz Veins
- II Phase II Quartz Veins
- III Monzonite Veins
- IV Epidote Veins

Phase I quartz veins are irregular, range from 1 to 20 centimetres in width and contain molybdenite, pyrite and trace bismuth. Phase I veins are frequently cut by Phase II quartz veins which are uniform and host only minor molybdenite. Monzonite veins are fine grained, range from 5 to 40 centimetres in width and host trace molybdenite mineralization. Narrow epidote veins (.5 to 1 cm) occur randomly throughout the metadiorite and post date all other veins.

c) Diamond Drill Hole Descriptions

1. D.D.H. GR-1-79

Location - 20 + 50W, 5 + 50N
Angle - 90°
Depth of overburden - 0 metres
Depth - 17 metres (56 feet)

Hole GR-1-79 was drilled into the sericite granite body to determine its size and grade. Sericite granite composed the first 9 metres (29.5 feet) of the hole, and metadiorite the remaining 8 metres. The sericite granite was well mineralized by both pyrite and molybdenite. Intense alteration, weathering and fracturing of the unit resulted in a 2% core recovery.

D.D.H. GR-1-79

Dip - 90°

Elev. - 4,800 feet



Minor Mo on fractures
Pyrite blebs throughout

17 metres
56 feet

LEGEND



Sericite Granite



Metadiorite

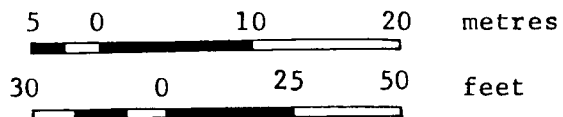


Figure 3

The granodiorite is unmineralized and appears slightly limonite stained along the sericite granite contact.

2. D.D.H. GR-2-79

Location - 20 + 00W, 6 + 00N
Bearing - southwest
Angle - 45°
Depth of overburden - 2 metres (6.5 feet)
Depth - 62.2 metres (204 feet)

Hole GR2-79 was drilled directly beneath the sericite granite body. Metadiorite, however, was the only rock type encountered in the hole. Several small fault breccia zones found between 14 and 17 metres (45.9 - 55.7 feet) exhibit intense chlorite alteration and range from 5 to 25 centimetres in width.

A series of widely spaced Phase II quartz veins occur throughout the hole. Veins average 3 to 10 millimetres in width and dip at 10° to the core's axis. Only trace molybdenite mineralization is hosted by a series of seven, 2 to 12 centimetre, monzonite veins. Epidote veining appears to increase with depth.

3. D.D.H. Gr-3-79

Location - 11 + 25W, 4 + 50N
Bearing - north
Angle - 55°
Depth of overburden - 7.3 metres (30.5 feet)
Depth - 135.1 metres (443 feet)

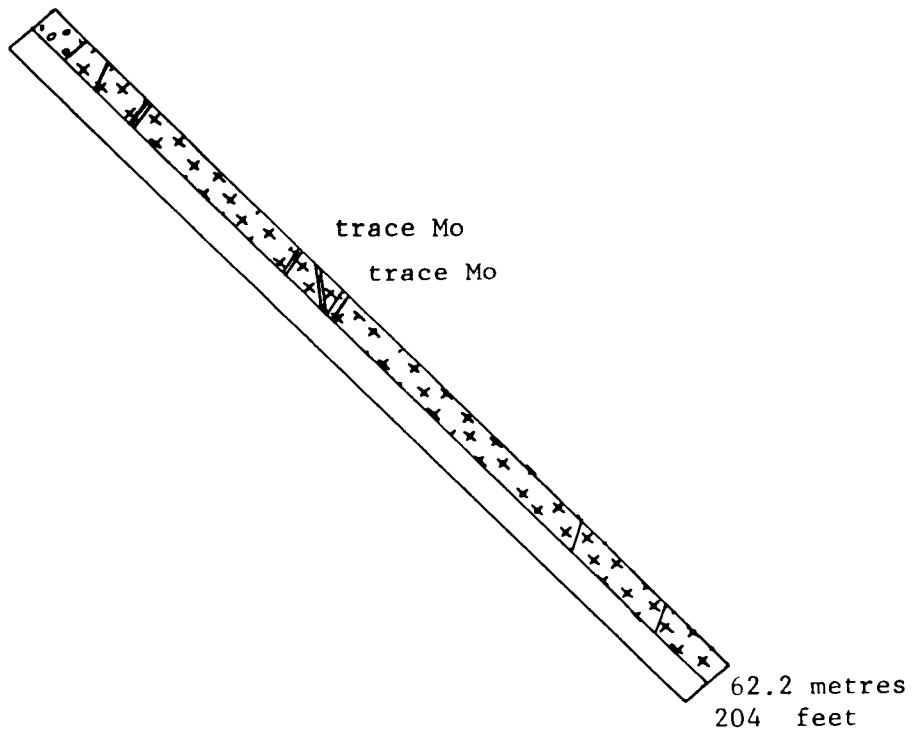
Diamond drill hole GR-3-79 is predominantly metadiorite and intersects a 3 metre basalt dyke at 19 metres (62 feet) and a 10 metre (33 feet) zone of quartz feldspar porphyry at 101 metres (331.3 feet). A small (1 metre) zone of brecciated granodiorite hosts several Phase I and Phase II quartz veins at a depth of

D.D.H. GR-2-79





Bearing - southwest

Dip - 45°

Elev. - 4,700 feet



LEGEND

-  Overburden
-  Quartz vein
-  Monzonite vein
-  Metadiorite

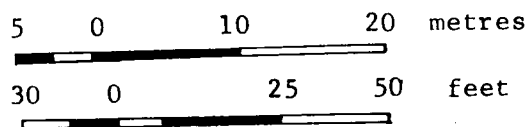


Figure 4

17 metres (55.7 feet). Similar veins occur randomly along the hole's length and host small rosettes of molybdenite, fine grained pyrite and trace bismuth.

Several monzonite veins were intersected, but contained only trace amounts of molybdenite. Mineralized vein frequency appears to decrease near the bottom of the hole. The metadiorite contains small amounts of disseminated sphalerite and hosts randomly oriented epidote veins.

The whole core was sampled at two metre intervals and was assayed for Mo, Pb, Zn, Cu and Ag. The hole gave an overall assay of .003% Mo and .004% Pb.

4. D.D.H. GR-4-79

Location - 11 + 25W, 4 + 50N
Bearing - south
Angle - 45°
Depth of overburden - 7 metres (23 feet)
Depth - 64.6 metres (212 feet)

Except for an 8 metre monzonite zone intersected at 55 metres (180.4 feet), metadiorite was the only rock type encountered in this hole. The monzonite contains minor magnetite and pyrite as fracture fillings. Granodiorite hosts a series of 1 to 30 centimetre Phase I quartz veins and 1 to 5 centimetre Phase II quartz veins. Veins are randomly spaced and contain small molybdenite rosettes.

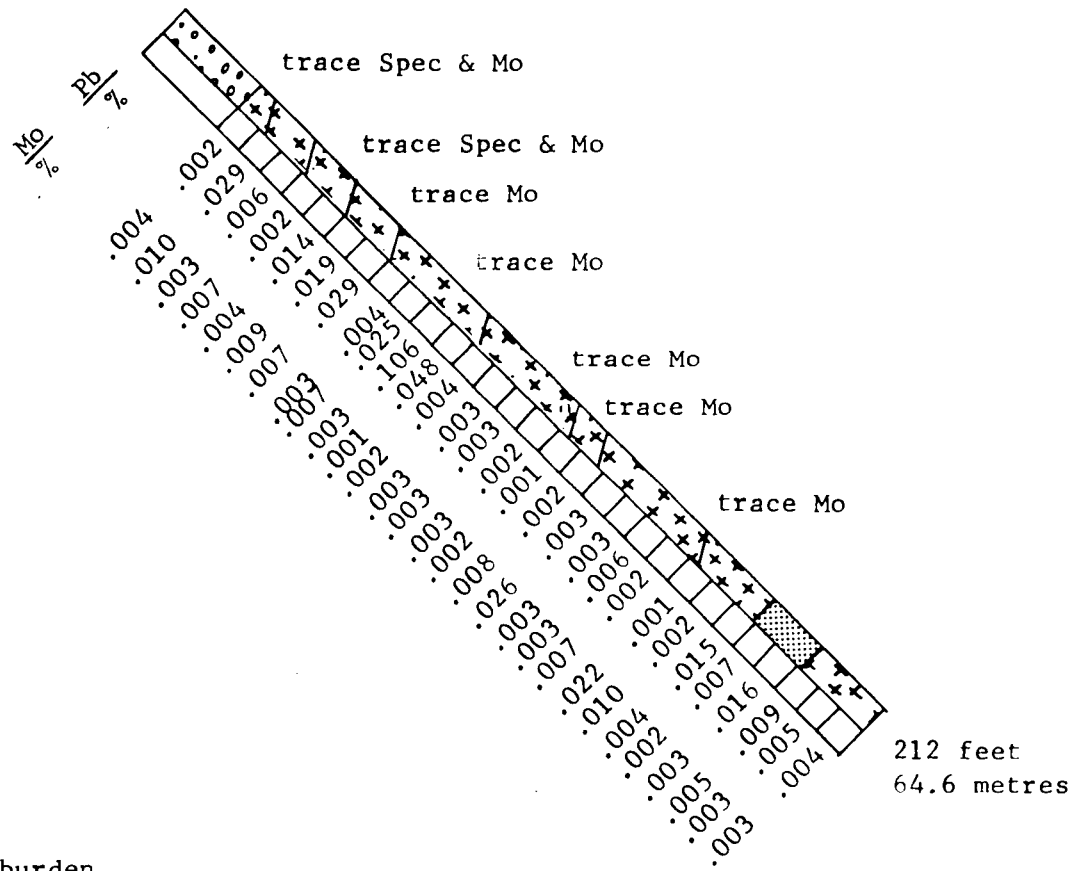
A 20 centimetre chlorite breccia zone is mineralized by molybdenite at 28 metres (92 feet). Several narrow fractures host specularite in the upper portion of the hole.

D.D.H. GR-4-79





Bearing - south

Dip - 45°

Elev. - 4,050 feet



LEGEND

-  Overburden
-  Quartz vein
-  Monzonite
-  Metadiorite

5 0 10 20 metres

30 0 25 50 feet

Figure 6

Weakly mineralized quartz veins are uniformly distributed throughout the hole. The whole core was sampled at two metre intervals and averaged .005% Mo and .002% Pb. The hole was also assayed for Cu, Zn and Ag.

V CONCLUSIONS

Based on surface mapping and diamond drill hole results (GR-1-79 and GR-2-79), the sericite granite body does not appear to extend in any direction and most likely occurs as a small, weakly mineralized lense.

Diamond drill holes GR-3-79 and to a lesser extent GR-4-79, were somewhat more encouraging. The mineralized veins intersected by these holes showed continuity to the north and south over a short distance. Within this zone, both Phase I and Phase II quartz veins were present, although Phase I veins host the better molybdenite mineralization. Mineralization is however, well below economic concentrations.

APPENDIX I

Personnel and Time Allotment

Work on the property was done between December 4 and
14, 1979.

Crew members were:

	<u>Man Days</u>
A.R. Pollmer - Chief Geologist	2
P.C. Bankes - Project Geologist	5

APPENDIX II

Core Size : NQ

Date : December 12, 1979

Elevation : 4,800'

Logged by : P.C. Bankes

Angle : 0°

Bearing : 0°

Depth : 17 m

FROM/TO		DESCRIPTION
FEET	METERS	
	0 - 1	Overburden
	1 - 2	O.B.
	2 - 3	O.B.
	3 - 4	O.B.
	4 - 5	O.B.
	5 - 6	O.B.
	6 - 7	O.B.
	7 - 8.6	O.B.
	8.6 - 9	Sericite granite, irregular quartz veins. 8 cm pyrite blebs, Mo along fractures, well fractured. Limonite stained - vuggy.
	9 - 10	Metadiorite. Broken core, slight prop alt. Minor calcite and pyrite fracture fillings.
	10 - 11	M.D. (same as 9m - 10m)
	11 - 12	M.D. " " "
	12 - 13	M.D. " " "
	13 - 14	M.D. Slight prop alt. Minor Cc, Py along fractures. Chlor slips along 45° and 30°.
	14 - 15	M.D. (same as 13m - 14m)
	15 - 16	M.D. " " "
	16 - 17	M.D. " " "
		END of HOLE

Core Size : NQ

Date : _____

Elevation : 4,700'

Logged by : P.C. Bankes

Angle : SW

Bearing : 45°

Depth : 62.2m

FROM/TO		DESCRIPTION
FEET	METERS	
	0 - 1	Overburden.
	1 - 2	Overburden.
	2 - 3	Metadiorite - 45°. Minor prop alt. - 45°, gneissic texture, minor Epid & Chlorite on fractures.
	3 - 4	M.D. (same as 2m - 3m).
	4 - 5	M.D. " "
	5 - 6	M.D. Minor prop alt. - 45°, gneissic texture. 1 cm Quartz vein at 10°.
	6 - 7	M.D. (same as 5m - 6m)
	7 - 8	M.D. " "
	8 - 9	M.D. " "
	9 - 10	M.D. Minor prop alt. 5 cm feldspar vein at 10°.
	10 - 11	M.D. " " " " "
	11 - 12	M.D. " " " " "
	12 - 13	M.D. " " " " "
	13 - 14	M.D. Minor prop alt. 1 cm broken Qz vn.
	14 - 15	M.D. Minor prop alt. 25 cm brecciated zone. Chl matrix. Minor Py.
	15 - 16	M.D. " " " " "
	16 - 17	M.D. Minor prop alt. 5 cm breccia zone. Chl matrix. Several Chl slips along 50°.
	17 - 18	M.D. (same as 16m - 17m)
	18 - 19	M.D. " "
	19 - 20	M.D. " "
	20 - 21	M.D. - 45°, lineation of biotite. Epid vns lineation. Chl slips along 50°.
	21 - 22	M.D. " " " " " "
		Broken core.
	22 - 23	M.D. (same as 21m - 22m)
	23 - 24	M.D. " "
	24 - 25	M.D. - 45°. lineation of biotite. Epid vns lineation. 6 cm monz dyke. Coarse grained Py and minor <u>Mo</u> .
	25 - 26	M.D. Minor prop alt. - 45° lineation of bio. Fine monz dyke at 5°. Minor <u>Mo</u> .
	26 - 27	M.D. Minor prop alt. 12 cm fine monz dyke at 45°. Minor <u>Mo</u> .
	27 - 28	M.D. " " " " " "
	28 - 29	M.D. " " " " " "
	29 - 30	M.D. Minor prop alt. 2 cm monz vn at 45°. Several 45° Chl slips.
	30 - 31	M.D. " " " " " "
	31 - 32	M.D. Minor prop alt. Two 3 cm monz vns at 45°.

FROM/TO		DESCRIPTION
FEET	METERS	
	32 - 33	M.D. Minor prop alt. Two 3 cm monz vns at 45°.
	33 - 34	M.D. " "
	34 - 35	M.D. " "
	35 - 36	M.D. " "
	36 - 37	M.D. Minor prop alt. 2 cm monz vn cut by 5 mm Epid vn.
	37 - 38	M.D. " "
	38 - 39	M.D. " "
	39 - 40	M.D. " "
	40 - 41	M.D. - 45° lineation of mafics, Epid vns follow lineation. Limonite and Chlorite on frac. Minor Cc vns.
	41 - 42	M.D. Minor prop alt.
	42 - 43	M.D. " "
	43 - 44	M.D. " "
	44 - 45	M.D. " "
	45 - 46	M.D. " "
	46 - 47	M.D. " "
	47 - 48	M.D. " "
	48 - 49	M.D. Minor prop alt. 1 cm Qz vn cut by Epid vn.
	49 - 50	M.D. Minor prop alt.
	50 - 51	M.D. " "
	51 - 52	M.D. " "
	52 - 53	M.D. Minor prop alt. 2 cm Qz vn cut by Epid vn at 10°.
	53 - 54	M.D. Minor prop alt.
	54 - 55	M.D. " "
	55 - 56	M.D. " "
	56 - 57	M.D. " "
	57 - 58	M.D. Minor prop alt. 2 cm Qz vn at 5°.
	58 - 59	M.D. Minor prop alt. Blebs of Epid throughout.
	59 - 60	M.D. Minor prop alt.
	60 - 61	M.D. Minor prop alt. 45° lineation of mafics. Epid vns on frac. Minor Cc vns.
	61 - 62	M.D. Minor prop alt.
	62 - 62.2	M.D. Minor prop alt.
		END of HOLE

Core Size : NQDate : December 12, 1979Elevation : 4,050'Logged by : P.C. BankesAngle : 50°Bearing : northDepth : 135.1 m

FROM/TO		DESCRIPTION
FEET	METERS	
	9.3 - 10	Metadiorite. Very broken core. Gneissic texture. Mod prop alt
	10 - 11	M.D. Mod prop alt. Small 3 cm monz dyke at 20°. Minor Py and trace <u>Mo</u> . 2 cm Qz vein. Broken core.
	11 - 12	M.D. Mod prop alt. Occas frac filled with Epidote.
	12 - 13	M.D. Minor Epid frac filling. 2 cm Qz vn at 20° mineralized by minor Py. Qz vn is cut by a small Epid vn. Minor dissem Py throughout.
	13 - 14	M.D. 2 cm zone rich in fine muscovite. Broken core. Minor dissem Py throughout.
	14 - 15	M.D. 1 cm broken Qz vn. Minor Py. Qz feld vn distorted, cut by 5 mm Qz vn.
	15 - 16	M.D. Epid along frac. 1 cm Epid vn at 40°. 4 cm monz vn at 40°, cut by small Epid vn. Pinkish in color. Very minor Py.
	16 - 17	M.D. Gneissic texture ranges between 20° and 90°. Numerous 1 cm Epid vns. 1 cm broken Qz vn. Several 2 mm Qz vns at 15°.
	17 - 18	M.D. Brecciated diorite filled by a 15 cm Qz vn at 40°. Trace <u>Mo</u> assoc with Py. Epid fills frac in Qz in diorite.
	18 - 19	M.D. Epidote along frac. Two 5 mm Epid vns along 45°. Chlor slip at 45°. 6 cm broken Qz vn. K-feld along edges of vn
	19 - 20	M.D. Limonite and hematite filled frac at 10°. 1 cm Qz and k-feld vn at 45°. No mlzn seen. Badly broken core.
	20 - 21	M.D. 20 cm zone of broken core with numerous Qz frag and Qz feld frag ranging up to 3 cm in size. Small monz dyke. Small <u>Mo</u> rosettes.
	21 - 22	M.D. Epid frac filling. Minor Cc frac filling. Minor K-feld flooding. Broken core.
	22 - 23	M.D. (same as 21m - 22m)
	23 - 24	M.D. Limonite, Cc and Epid along frac. Broken core. Small Qz K-feld bleb.
	24 - 25	M.D. Lim, Cc and Epid along frac. Broken core. Numerous 2 mm Epid vns at 90°. 2 cm Qz feld vn.
	25 - 26	M.D. Numerous frac fillings by Epid. Well mlzd. 4 mm Qz vn mlzd by minor Py and <u>Mo</u> . Cuts several Epid filled frac.
	26 - 27	M.D. Chlor, Epid and Lim along frac. Broken core. Three 5, 1 and 2 cm Qz vns. Py and <u>Mo</u> blebs.
	27 - 28	M.D. Several disturbed Qz vns generally along 0° to 10°. Vns are cut by Epid and Cc frac fillings. Py surrounded by <u>Mo</u> along vn.
	28 - 29	M.D. 30 cm gouge zone with strong Lim alt. Epid frac fillings. Minor Cc and Chlor frac filling. Dissem Py and minor Sphal throughout.

FROM/TO		DESCRIPTION
FEET	METERS	
	29 - 30	Metadiorite. Mod prop alt. 3 cm granular Qz vn well mlzd by Py and <u>Mo</u> at 80°. Broken core.
	30 - 31	M.D. Epid, Chlor, Cc and lim along frac. Broken core.
	31 - 32	M.D. Broken core. 4 cm zone of silica rich diorite. Irreg Qz feld vn 4 cm wide. Minor Py and trace <u>Mo</u> throughout at 15°.
	32 - 33	M.D. 1 cm Qz vn at 30°. Minor Py. 1 cm Qz vn at 80°, vuggy, well mlzd by Py, some <u>Mo</u> . Minor Py, Epid and Cc along frac.
	33 - 34	M.D. Frac filled by Cc, Epid and Py. Several 5 mm Qz vns at 30°. 1 cm Qz vn at 40° - minor Py and offset by small Cc vn.
	34 - 35	M.D. Strong gneissic texture along 30° grading rapidly from coarse to fine to coarse M.D. Epid Qz, Cc and k-spar frac fillings.
	35 - 36	M.D. Three 1 cm Qz seams well disturbed and mlzd by Py and minor <u>Mo</u> throughout at 70°. Dyke is cut by 1 cm Qz vn at 50°.
	36 - 37	M.D. Broken core. Epid frac fillings. 3 cm monz dyke at 30°. Minor Py throughout. Bleached M.D. along the basalt contact.
	37 - 38	Basalt dyke. Small Qz pheno. Cc blebs and frac filling throughout. Chlor slips along 30°.
	38 - 39	Basalt dyke. Chlor slips along 30°.
	39 - 40	Basalt dyke. " " " "
	40 - 41	Metadiorite. Mod prop alt. Badly broken core.
	41 - 42	M.D. Epid throughout and along frac. Cal along frac. Several irreg remobilized Qz vns .5 - 1 cm in width at 90° and weakly mlzd by Py and <u>Mo</u> .
	42 - 43	M.D. Badly broken core. Three Qz vns and one monz vn mlzd by <u>Mo</u> and Py .5 - 1 cm in width along 45°.
	43 - 44	M.D. Two 4 mm Qz vns. Trace <u>Mo</u> along 45° and 90°. Badly broken core.
	44 - 45	M.D. 70 cm of monz, weakly mlzd by fine dissem <u>Mo</u> and minor Py throughout. Several remobilized Qz vns along 10° well mlzd by <u>Mo</u> along frac.
	45 - 46	M.D. Remobilized Qz vns throughout, well mlzd by <u>Mo</u> and Py along fine frac. 2 cm Qz vn weakly mlzd by <u>Mo</u> along 30° 11 cm monz dyke weakly mlzd by fine diss <u>Mo</u> and Py.
	46 - 47	M.D. Chlor rich gneissic texture along 10°. 15 cm monz dyke at 10°. Weak dissem <u>Mo</u> mlzn. Chlor slips along 10°. Highly broken core.
	47 - 48	M.D. Well broken core. 3 cm broken Qz vn weakly mlzd by fine <u>Mo</u> and minor Py. Several irreg Qz vns remobilized throughout.
	48 - 49	M.D. Several remobilized Qz vns. Epid filling of frac. Dissem Py throughout. Broken core.
	49 - 50	M.D. Mod prop alt. Several remobilized Qz vns. Epid filling of frac. Dissem Py throughout. Broken core.
	50 - 51	M.D. (same as 49m - 50m.
	51 - 52	M.D. Gneissic texture along 80°. Two monz vns. Only minor Py. 15 cm zone of highly disturbed and remobilized Qz vns.

FROM/TO		DESCRIPTION
FEET	METERS	
	52 - 53	Metadiorite. Epid in frac and in vns along 40°. Pink monz 5 cm long. Very minor Py. Trace <u>Mo</u> at 60°. 1 cm Qz vn at 60° mlzd by fine <u>Mo</u> .
	53 - 54	M.D. Broken core. Intense Epid veining along frac. Chlor slips at 70°. 1 cm irreg monz vn at 60°.
	54 - 55	M.D. Epid along frac and blebs along core. Py and spec mlzn along frac at 0°. Fracs are between 2m & 4m. Chlor slips along 60°.
	55 - 56	M.D. 4 cm Qz monz vn at 10°, mlzd by fine diss Py and trace <u>Mo</u> . Two 1 cm Qz vns at 50° - irreg Epid along frac.
	56 - 57	M.D. 60 cm dyke of monz containing 3 cm Xen of diorite. Monz weakly mlzd by Py and dissem <u>Mo</u> and is cut at 15° by .5 cm - 1 cm <u>Mo</u> rich Qz vns.
	57 - 58	M.D. Small seams of remobilized Qz. Blebs of chlor throughout. Cc and Chlor along frac.
	58 - 59	M.D. Blebs of Epid throughout. Chlor slips along 10° and 80°. 1 cm Qz vn along 10° mlzd along edges by Py and minor <u>Mo</u> .
	59 - 60	M.D. Several 1 cm Qz vns mlzd by Py and minor <u>Mo</u> , and offset by 5 m to 15 m. Several vuggy Cc veins along 45°. 10 mm gouge zone.
	60 - 61	M.D. 55 cm monz dyke at 80° mlzd by Py and fine <u>Mo</u> throughout and along frac. Several Qz blebs throughout.
	61 - 62	M.D. Grades between coarse and fine grained bands at 40°. Several small monz vns at 15° and 80°. Minor Epid along frac.
	62 - 63	M.D. Broken core. Chlor rich 60 cm pink monz vn mlzd by fine dissem Py and minor <u>Mo</u> . Dyke is cut by Qz and Epid vns.
	63 - 64	M.D. Broken core. Minor Epid along frac. Chlor and Cc slips at 40°.
	64 - 65	M.D. Chlor slips along 40° and 90°. 80 cm of unbroken monz, pink, mlzd by dissem Py and trace <u>Mo</u> , cut by 1 cm Qz vn along 20°, mlzd by <u>Mo</u> and Py.
	65 - 66	M.D. Massive pink monz. Minor dissem Py throughout. Trace <u>Mo</u> Minor mafix along frac. Small 8 mm Qz vn at 45°. Minor Py and <u>Mo</u> .
	66 - 67	M.D. Massive pink monz.
	67 - 68	Gneissic texture ranges from medium to fine grained along 50°. 10 cm zone of broken monz.
	68 - 69	M.D. Broken core. Minor Lim, Cc and Chlor slips along 50°. Minor Epid along frac.
	69 - 70	M.D. Highly broken core. Chlor rich Epid along frac.
	70 - 71	M.D. Well broken core. Epid along frac. 2 cm gouge zone. Three 1 cm Qz vns along 20° offset by 1 cm and mlzd by Py and <u>Mo</u> . Minor Chlor along frac.
	71 - 72	M.D. 2 cm remobilized Qz vn along 10° moderately mlzd by Py and <u>Mo</u> .
	72 - 73	M.D. Chlor and Cc along 80° and 15° slips. Several pods of Qz throughout. Minor Py.
	73 - 74	M.D. Fine grained along 90°. Cc and Chlor slips along 20°. 1 cm broken Qz vn.
	74 - 75	M.D. Fine grained Chlor, Cc and Lim slips along 10°. 1 cm Qz vn at 10°. 5 cm monz pod.

FROM/TO		DESCRIPTION
FEET	METERS	
75 - 76		Metadiorite. Chlor slips along 45°. Qz and Cc filling of frac. Minor Py and <u>Mo</u> in Qz. Broken core.
76 - 77		M.D. Cc in Qz frac fillings. Minor Py and <u>Mo</u> in Qz.
77 - 78		M.D. (same as 76 - 77m)
78 - 79		M.D. Irreg 5 mm Qz vns. Minor Py. Cc and Chlor along frac. 3 cm basalt dyke.
79 - 80		M.D. 2 cm monz. vn at 40° mlzd by small clusters of Py and <u>Mo</u> . Small 1 cm vn at 40° mlzd by Py and <u>Mo</u> . 1 cm monz pod, Py throughout.
80 - 81		M.D. Gneissic texture at 30°. 2 cm monz vn at 30°. Minor Py and <u>Mo</u> . Small 1 cm Qz vn at 30°. Chlor slips along 40°.
81 - 82		M.D. 15 cm basalt dyke. Two 1 cm Qz veins at 30°. Minor Py and <u>Mo</u> . Qz vns are offset by 5 cm.
82 - 83		M.D. Chlor slips along 30°. Gneissic texture at 60°.
83 - 84		M.D. Broken core. Qz vns at 45° and 100°. Cc along frac. Dissem Py throughout.
84 - 85		M.D. Epid along frac. Qz vns at 45° and 100°. Dissem Py throughout.
85 - 86		M.D. Very broken core. Epid along frac.
86 - 87		M.D. (same as 85 m - 86 m)
87 - 88		M.D. 3 cm monz vn at 45°. Minor dissem Py. Badly broken core. Chlor slips at 45° and 0°. 1 cm gouge zone at 90°.
88 - 89		M.D. Numerous .5 - 1 cm Qz vns at 80° containing minor Py and <u>Mo</u> mlzn. .5 irreg Qz vn well mlzd by Py and <u>Mo</u> at 5°.
89 - 90		Qz vn (2½ cm) at 60° weakly mlzd by Py and trace <u>Mo</u> clusters. 1 cm Qz vn at 45°. Py and <u>Mo</u> mlzn throughout.
90 - 91		M.D. Dissem Py throughout. Irreg pods and vns of Cc mlzd by Py throughout.
91 - 92		M.D. Diorite, Epid along frac at 45°. Two 3 cm pink monz vn at 45°. Very weak <u>Mo</u> and Py mlzn. Three Qz vns at 45°.
92 - 93		M.D. Highly Chlor rich and foliate alt diorite. 1 cm Qz vn at 15°. Py and trace <u>Mo</u> mlzn. Cc and Chlor along fracs and slips.
93 - 94		M.D. Broken core. Minor Cc and Qz along frac.
94 - 95		M.D. Broken core. Minor Cc and Qz along frac.
95 - 96		M.D. 60 cm monz dyke. Fine dissem Py and <u>Mo</u> within monz. Monz dyke cut by several 3 mm Qz vns mlzd by Py and <u>Mo</u> .
96 - 97		M.D. 50 cm of monz. Weakly mlzd by Py and <u>Mo</u> . M.D., highly broken. Cc along frac.
97 - 98		M.D. 4 cm gouge zone. Two 10 cm monz vns at 45° weakly mlzd by Py and <u>Mo</u> . Cut by well mlzd Qz vns at 45°.
98 - 99		M.D. Fine dissem Py throughout. Small blebs of Cc throughout. Cc along frac.
99 - 100		M.D. Cc along frac, cut by 2 cm Qz vn at 40° weakly mlzd by clusters of Py and <u>Mo</u> . Dissem Py throughout.
100 - 101		Porphyry. Pinkish brown. Qz pheno up to 1 cm in size. Feld pheno up to 5 mm. Minor Cc and Chlor throughout. Blebs of Chlor throughout.

FROM/TO		DESCRIPTION
FEET	METERS	
	101 - 102	Porphyry.
	102 - 103	Porphyry.
	103 - 104	Porphyry.
	104 - 105	Porphyry.
	105 - 106	Porphyry.
	106 - 107	Porphyry.
	107 - 108	Porphyry.
	108 - 109	Porphyry.
	109 - 110	Porphyry. 15 cm on bottom of dyke. M.D. Epid along frac. Well broken. Chlor slips at 20° and 80°.
	110 - 111	M.D. Relatively fine grained.
	111 - 112	M.D. Minor Cc and Qz veins at 45° and 80°. Small 2 cm monz vn at 45°. Minor Py mlzn.
	112 - 113	M.D. (same as 111m - 112m)
	113 - 114	M.D. Several Qz pods and several Qz vns at 45°. Minor Py and trace <u>Mo</u> . Minor Cc and Chlor along frac. 2 cm Chlor gouge.
	114 - 115	M.D. (same as 113 - 114)
	115 - 116	M.D. Minor Chlor, Epid and Qz along frac. 1 cm Qz vn at 45° weakly mlzd by Py. 1 cm Qz vn at 90°.
	116 - 117	M.D. 1 cm disturbed Qz vn at 70° mlzd by weak Py. Chlor slip at 40° mlzd by Py. Broken Qz vn.
	117 - 118	M.D. Chlor and vuggy Cc along frac. Qz vn at 30°, minor Py. 2 cm monz vn, minor Py at 80°.
	118 - 119	M.D. Chlor and Cc frac fillings. Chlor slips along 50°.
	119 - 120	M.D. (same as 118m - 119m)
	120 - 121	M.D. Minor Epid frac filling.
	121 - 122	M.D. 1 cm monz vein at 80°. Two 2 cm monz.
	122 - 123	M.D. Chlor, Cc and Qz along frac fillings. 20 cm zone of intense Chlor alt.
	123 - 124	M.D. Strong Chlor alt. 1 cm irreg Qz vn. Minor Py.
	124 - 125	M.D. Minor dissem Py. Chlor, Cc and Qz frac fillings.
	125 - 126	M.D. Cc, Chlor, Epid and Qz frac fillings. Two 2 cm irreg Qz vns at 80°. Minor Py.
	126 - 127	M.D. Chlor slips at 15° and 45°. Small blebs of Qz throughout.
	127 - 128	M.D. Minor dissem Py throughout. 2 cm zone of well mlzd diorite by Py. 2 cm Qz vein at 60° well mlzd by Py. Chlor slips at 60°.
	128 - 129	M.D. 90 cm of monz dyke mlzd along frac by Py and minor <u>Mo</u> , and mlzd by dissem Py throughout.
	129 - 130	Monz dyke. Mlzd along frac by Py and minor <u>Mo</u> , and mlzd by dissem Py throughout.
	130 - 131	Monz dyke (60 cm). M.D. chlor rich and highly broken. Chlor and Cc along frac. 20 cm highly Chlor zone.
	131 - 132	M.D. 15 cm highly broken and Chlor zone. Two 1 cm irreg Qz vns at 80°.
	132 - 133	M.D. Chlor, Epid and Qz along frac. Chlor slips at 80°.
	133 - 134	M.D.
	134 - 135	M.D.
		END of HOLE

Core Size : NQ

Date : Dec. 18/79

Elevation : 4,050'

Logged by : P.C. Bankes

Angle : 45°

Bearing : south

Depth : 64.6m

FROM/TO		DESCRIPTION
FEET	METERS	
	0 - 1	Overburden.
	1 - 2	O.B.
	2 - 3	O.B.
	3 - 4	O.B.
	4 - 5	O.B.
	5 - 6	O.B.
	6 - 7	O.B.
	7 - 8	Granodiorite. Moderate prop alt. Fracture fillings by small epidote veins. 2 cm Qz bleb weakly mineralized by Pyrite and minor <u>Molybdenite</u> along frac. Broken core. Disseminated Py throughout.
	8 - 9	G.D. Mod prop alt. Frac fillings by small epidote veins. Dissem Py throughout. 50 cm zone of brecciated, highly epid rich alt diorite. Frac fillings by Qz. Qz and dior mineralized by dissem <u>Mo</u> up to 4 mm in size.
	9 - 10	G.D. Mod prop alt. Frac fillings by small epid veins. Dissem Py throughout. 1 cm Qz feld vein along 40° (phase 2 vein) miner by Py and <u>Mo</u> along edges. Gneissic texture along 50°. Two 1 cm seams of Py and spec along 30°. Two 2 cm Qz vns (undisturbed) (phase 3) along 30° miner by Py and <u>Mo</u> . 1 cm Qz vn offset at 40° (phase 1), Py throughout, 30 cm (phase 1).
	10 - 11	G.D. Mod prop alt. Frac fillings by small epid vns. Three 1 cm Qz vns (phase 3) at 30°. Py and minor <u>Mo</u> .
	11 - 12	G.D. Mod prop alt. Frac fillings by small epid vns.
	12 - 13	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 25 cm fine grained section showing strong prop alt.
	13 - 14	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 2 cm Qz vein at 30° (phase 2). 2 cm Qz vein(phase 3) at 30°. Strong Py and <u>Mo</u> . Buggy. 5 mm Qz vn at 80° (phase 1). Py throughout.
	14 - 15	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Two 1 cm Qz vns at 80° (phase 1) - strong Py and <u>Mo</u> . Grades into 20 cm apl dyke.
	15 - 16	G.D. Mod prop alt. 1 cm Qz vn at 30° (phase 1). Minor Py and <u>Mo</u> . 5 mm Qz vn (phase 1) at 30°. Py. 5 cm monz dyke at 50° cut by type 1 Qz veins miner by Py and <u>Mo</u> at 30°. Dissem Py throughout.

FROM/TO		DESCRIPTION
FEET	METERS	
	16 - 17	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 1 cm Qz vn at 80° (phase 3) and <u>Mo</u> . 1 cm Chl and Spec seam at 30°. 1 cm type 1 Qz vn at 60° well miner along edges by <u>Mo</u> and Py. Type 1 <u>Mo</u> rich Qz vns cut by irregular 4 cm monz. Several blebs of <u>Mo</u> and dior - fine.
	17 - 18	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Three 1 cm type 1 Qz vns at 80°. Weak Py and <u>Mo</u> . 3 cm irreg monz vns at 20° cut by type 1 or 3? Qz vn. Abundant <u>Mo</u> . Sev blebs of <u>Mo</u> in altered dior near monz.
	18 - 19	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 1 mm seam of <u>Mo</u> at 10° with spec. 1 cm type 1 Qz vn. Minor dissem <u>Mo</u> throughout. 3 cm type 2 Qz vn at 30° mineral by <u>Mo</u> and Py along edges.
	19 - 20	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 5 mm type 2 Qz vn at 60° - Py and <u>Mo</u> . 2 cm type 2 vn at 20° - abundant <u>Mo</u> and Py. cut by type 3 Qz vns, miner by minor <u>Mo</u> .
	20 - 21	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. sev small type 1 irreg Qz vns at 50°. 2 cm type 3 Qz vn at 50° mineral by <u>Mo</u> and Py. Cuts epid vn.
	21 - 22	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. <u>Mo</u> mineral in and around 2 mm Qz vn at 45°.
	22 - 23	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 2 cm type 2 Qz vn at 70° mineral by Bi and <u>Mo</u> blebs. 2 mm type 1 Qz vn at 70°. Strong Py & <u>Mo</u> .
	23 - 24	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 2 cm type 2 Qz vn at 15°. Fine <u>Mo</u> along Frac. 2 cm type 2 Qz vn at 10°. 1 cm type 3 Qz vn at 20° Minor Py and <u>Mo</u> .
	24 - 25	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Fine grained. 5 mm type 1 Qz vn at 30°, miner by Py. 5 mm type 3 Qz vn at 25°. 5 mm type 3 Qz vn at 25° mineral by <u>Mo</u> . Epid frac. Well mineral by Py. 20 cm monz vein at 45°.
	25 - 26	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout, abundant. 1 cm type 1 Qz vn at 45° miner by strong Py, epid and <u>Mo</u> .
	26 - 27	G.D. Mod prop alt. Fr. fillings by small epid vns. Dissem Py throughout. 20 cm basalt dyke mineral by Py and calcite vns at 90°. Cc vn at 20°. 10 cm fault bx-Qz matrix. Abundant Py and <u>Mo</u> .
	27 - 28	G.D. Mod prop alt. Fr fillings by small epid vns. Dissem Py throughout. Broken core. Chl rich. 20 cm fault bx. Minor <u>Mo</u> . 10 cm gouge zone mineral by strong <u>Mo</u> .
	28 - 29	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 20 cm of fault bx. Minor <u>Mo</u> . 30 cm of bx. Cc matrix. - No <u>Mo</u> . Sev small type 3 Qz vns at 80°.
	29 - 30	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Three 5 mm type 1 Qz vns at 30° with minor <u>Mo</u> . Py along frac.

FROM/TO		DESCRIPTION
FEET	METERS	
	30 - 31	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Py and Cc along frac.
	31 - 32	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 2 cm type 2 Qz vn at 45°. Cc and minor Py along frac. 5 cm gouge zone. Sev type 1 Qz vns at 30°
	32 - 33	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Py and Cc along frac. Sev type 1 Qz vns cut by Cc veins.
	33 - 34	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 5 cm Cc vein. 3 cm gouge zone at 45°. 4 cm Cc vn at 25°. 2 cm Cc vein at 0°. Chl slips along 0°
	34 - 35	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Py along frac. 1 cm type 3 Qz vn at 50°, with Py and minor <u>Mo</u> . 1 cm type 3 Qz vein at 75° - trace <u>Mo</u> . 1 cm type 3 Qz vn at 60°. 2 mm Cc vein at 45° well miner by Py and sev small blebs of <u>Mo</u> .
	35 - 36	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. Three Cc frac fillings along 30° - abundant Limonite, Cc and Epid along frac.
	36 - 37	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem throughout. Py, Cc and Epid along frac. 1 cm type 2 Qz vn at 45° - very minor <u>Mo</u> .
	37 - 38	G.D. " " " " "
	38 - 39	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py throughout. 1 cm type 1 Qz vn along 80°. Minor Py. Chl slips along 45°.
	39 - 40	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Cc, Py throughout. 2 cm type 2 Qz vn at 70° miner by minor Py. Sev type 1 Qz pods miner by minor Py. 1 cm type 1 Qz vn at 45° with Py and <u>Mo</u> .
	40 - 41	G.D. Mod prop alt. Frac fillings by small epid vns. Dissem Py and Cc throughout. 2 cm type 2 Qz vn at 40° - Py and minor <u>Mo</u> along edges. 20 cm monz dyke at 80°. Minor Qz along edges.
	41 - 42	G.D. Mod prop alt. Frac fillings by small Epid, Cc and Py vns. 30 cm long. 2 cm Qz vn at 5° (type 1) miner by Py and <u>Mo</u> blebs. Broken core.
	42 - 43	G.D. Mod prop alt. Frac fillings by small Epid vns. Dissem Py throughout. 1 cm type 1 Qz vn at 80° with <u>Mo</u> , Py and Cc along edges of vn.
	43 - 44	G.D. Mod prop alt. Frac fillings by small Epid vns. Dissem Py throughout. 2 cm type 3 Qz vein at 60° - minor <u>Mo</u> and Py along edges.
	44 - 45	G.D. Mod prop alt. Frac fillings by small Epid vns. Dissem Py throughout. Highly broken core. 5 mm type 1 Qz pod. 20 cm zone of breccia. Chl and Cc rich.
	45 - 46	G.D. Mod prop alt. Frac fillings by small Epid vns. Dissem Py throughout. Highly broken core. 1 cm Cc vein at 20°.
	46 - 47	G.D. Mod prop alt. Frac fillings by small Epid vns. Dissem Py throughout. 2 cm Qz pod type 1 - Py and <u>Mo</u> . 2 cm zone of breccia. Minor Py. Chl rich limon stain. Highly broken core. 5 cm Qz pod. Strong <u>Mo</u> .
	47 - 48	G.D. Mod prop alt. Frac fillings by small Epid vns. Dissem Py throughout. Broken core. Chl rich. 5 mm type 1 Qz vn at 70°. Py, Chl and <u>Mo</u> along edges. 5 cm monz vn at 40°. Py and Epid throughout. 10 cm monz dyke.

FROM/TO		DESCRIPTION
FEET	METERS	
	48 - 49	Monzonite. Mo and Chl slips along a 5 mm type 1 Qz vn at 45°. Fine <u>Mo</u> along frac in monz. Sev type 1 Qz pods mineral by <u>Mo</u> and Py.
	49 - 50	Monzonite. Broken - 40 cm zone, cut by sev type 1 Qz vns. Metadiorite. Mod prop alt. Chl, Cc and Epid along frac. Dissem Py throughout.
	50 - 51	Granodiorite. Mod prop alt. Abundant Epid along frac. 2 cm type 1 Qz vn at 90°. Py miner.
	51 - 52	G.D. Mod prop alt. Dissem Py throughout. 2 cm type 1 Qz vn at 90°. No miner.
	52 - 53	G.D. Mod prop alt. Dissem Py throughout. 5 mm seam of <u>Mo</u> and Chl at 45°. 2 cm type 2 Qz vn at 90°. Minor <u>Mo</u> .
	53 - 54	G.D. Mod prop alt. Dissem Py throughout.
	54 - 55	Monzonite - coarse. Bi type blebs ranging up to 1 cm. Abundant dissem Py along frac. Trace <u>Mo</u> .
	55 - 56	Monzonite - coarse. Bi type blebs ranging up to 1 cm. Abundant dissem Py along frac. Trace <u>Mo</u> . Broken core.
	56 - 57	Monzonite " " " " "
	57 - 58	Monzonite " " " " "
	58 - 59	Monzonite " " " " "
	59 - 60	Monzonite " " " " "
	60 - 61	Monzonite " " " " "
	61 - 62	Monzonite. 25 cm coarse monz. Bi type blebs ranging up to 1 cm. Metadiorite. Mod prop alt. Epid along frac. Gneissic text along 80°.
	62 - 63	G.D. Mod prop alt. Epid along frac. Gneissic text along 80°. 1 cm type 3 Qz vn at 70°. 25% recovery.
	63 - 64	G.D. Mod prop alt. Epid along frac. Sev broken Qz vns. Minor Py. 10% recov.
	64 - 64.6	G.D. Mod prop alt. Epid along frac. Minor Py. Broken Qz vns. Sand Seam. END of HOLE

APPENDIX III

ASSAY RESULTSD.D.H. GR-3-79

<u>Metres</u>	<u>Cu</u> <u>%</u>	<u>Mo</u> <u>%</u>	<u>Pb</u> <u>%</u>	<u>Zn</u> <u>%</u>	<u>Ag</u> <u>g/mt</u>
9.3 - 11	.005	.001	.003	.037	1
11 - 13	.003	.002	.001	.012	1
13 - 15	.004	.001	.001	.013	1
15 - 17	.003	.002	.001	.012	1
17 - 19	.003	.001	.007	.017	2
19 - 21	.007	.003	.033	.031	3
21 - 23	.006	.003	.009	.029	1
23 - 25	.003	.002	.003	.013	1
25 - 27	.004	.004	.013	.020	6
27 - 29	.005	.003	.004	.014	2
29 - 31	.006	.001	.010	.026	2
31 - 33	.002	.003	.002	.016	1
33 - 35	.004	.001	.001	.012	1
35 - 37	.002	.004	.002	.014	1
37 - 39	.002	.001	.002	.010	1
39 - 41	.002	.001	.003	.018	1
41 - 43	.002	.001	.004	.025	1
43 - 45	.002	.004	.029	.045	1
45 - 47	.003	.016	.005	.020	1
47 - 49	.002	.001	.002	.022	2
49 - 51	.035	.002	.003	.022	2
51 - 53	.002	.004	.002	.015	1
53 - 55	.005	.001	.002	.016	1
55 - 57	.003	.002	.002	.018	1
57 - 59	.005	.003	.001	.016	1
59 - 61	.005	.003	.003	.014	1
61 - 63	.007	.001	.001	.013	1
63 - 65	.002	.004	.002	.009	1
65 - 67	.001	.003	.002	.004	1
67 - 69	.009	.005	.007	.019	2
69 - 71	.006	.009	.004	.017	2
71 - 73	.007	.007	.002	.013	2
73 - 75	.006	.001	.002	.015	2
75 - 77	.003	.005	.002	.013	2
77 - 79	.008	.001	.001	.011	1
79 - 81	.003	.003	.001	.010	1
81 - 83	.005	.003	.001	.013	1
83 - 85	.004	.002	.001	.011	1
85 - 87	.002	.003	.001	.011	1
87 - 89	.004	.004	.001	.013	1
89 - 91	.008	.001	.002	.011	2
91 - 93	.003	.003	.001	.012	2
93 - 95	.004	.006	.001	.012	1
95 - 97	.003	.002	.003	.011	1
97 - 99	.002	.002	.002	.011	1

ASSAY RESULTS

D.D.H. GR-3-79 (cont'd)

<u>Metres</u>	<u>Cu</u> <u>%</u>	<u>Mo</u> <u>%</u>	<u>Pb</u> <u>%</u>	<u>Zn</u> <u>%</u>	<u>Ag</u> <u>g/mt</u>
99 - 101	.002	.002	.011	.033	1
109 - 111	.005	.004	.005	.020	2
111 - 113	.002	.004	.002	.015	1
113 - 115	.001	.014	.002	.014	1
115 - 117	.004	.004	.002	.014	1
117 - 119	.002	.001	.001	.014	1
119 - 121	.002	.001	.002	.014	1
121 - 123	.002	.001	.002	.015	1
123 - 125	.001	.001	.001	.018	1
125 - 127	.002	.001	.001	.016	1
127 - 129	.002	.001	.001	.014	1
129 - 131	.001	.006	.001	.009	<1
131 - 133	.001	.001	.001	.019	1
133 - 135	.002	.003	.001	.018	1

ASSAY RESULTS

D. D. H. GR-4-79

<u>Metres</u>	<u>Cu</u> <u>%</u>	<u>Mo</u> <u>%</u>	<u>Pb</u> <u>%</u>	<u>Zn</u> <u>%</u>	<u>Ag</u> <u>g/mt</u>
7 - 9	.004	.004	.002	.017	3
9 - 11	.006	.010	.029	.017	3
11 - 13	.007	.003	.006	.016	1
13 - 15	.007	.007	.002	.028	1
15 - 17	.008	.004	.014	.029	1
17 - 19	.013	.009	.019	.048	1
19 - 21	.007	.007	.029	.060	1
21 - 23	.006	.003	.004	.039	1
23 - 25	.007	.007	.025	.052	2
25 - 27	.015	.003	.106	.145	3
27 - 29	.006	.001	.048	.085	2
29 - 31	.007	.002	.004	.021	1
31 - 33	.005	.003	.003	.018	1
33 - 35	.005	.003	.003	.023	1
35 - 37	.009	.003	.002	.014	1
37 - 39	.004	.002	.001	.012	1
39 - 41	.005	.008	.002	.013	1
41 - 43	.005	.026	.003	.012	2
43 - 45	.006	.003	.003	.016	1
45 - 47	.005	.003	.006	.020	<1
47 - 49	.002	.007	.002	.008	<1
49 - 51	.001	.022	.001	.004	1
51 - 53	.005	.010	.002	.013	2
53 - 55	.046	.004	.015	.028	1
55 - 57	.002	.002	.007	.012	1
57 - 59	.003	.003	.016	.029	1
59 - 61	.002	.005	.009	.012	1
61 - 63	.007	.003	.005	.011	1
63 - 64.6	.012	.003	.004	.019	1

APPENDIX IV

STATEMENT of COSTS

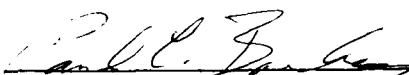
1)	<u>Diamond Drilling</u>	
	December 4 to December 14, 1979; 11 days; 279 metres of NQ core @ \$99.23/metre	\$27,687.31
2)	<u>Assay Costs</u>	
	77 two metre samples analysed for Mo, Bi, Pb, Zn, Cu and Ag; \$6.00/sample	462.00
3)	<u>Salaries and Wages</u>	
	December 4 to December 14, 1979; 11 days	1,272.91
4)	<u>Report Preparation</u>	
a)	<u>Writing and Drafting</u> February 28 to March 5, 1980; 6 days @ \$80.00/day	480.00
b)	<u>Typing</u> March 7, 1980; 1 day @ \$50.00/day	50.00
c)	<u>Supplies</u> February 28 to March 7, 1980; 8 days	<u>10.00</u>
	Total	\$29,962.22

APPENDIX V

STATEMENT of QUALIFICATIONS

I, Paul Bankes, of the town of Peachland, Province of British Columbia,
do hereby certify that:

- 1) I am a geologist residing in Peachland with Post Office Box 9 as my address.
- 2) I am a graduate of the University of Western Ontario, with a BSc in geology (1978).
- 3) I have been employed as an exploration geologist by Brenda Mines Ltd. since April 1978.

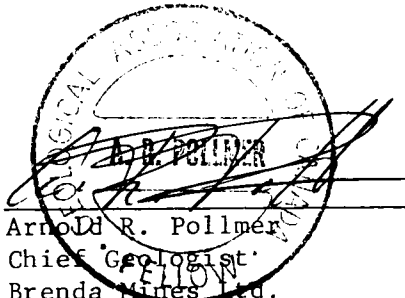

P.C. Bankes, BSc
Exploration Geologist
Brenda Mines Ltd.


Date

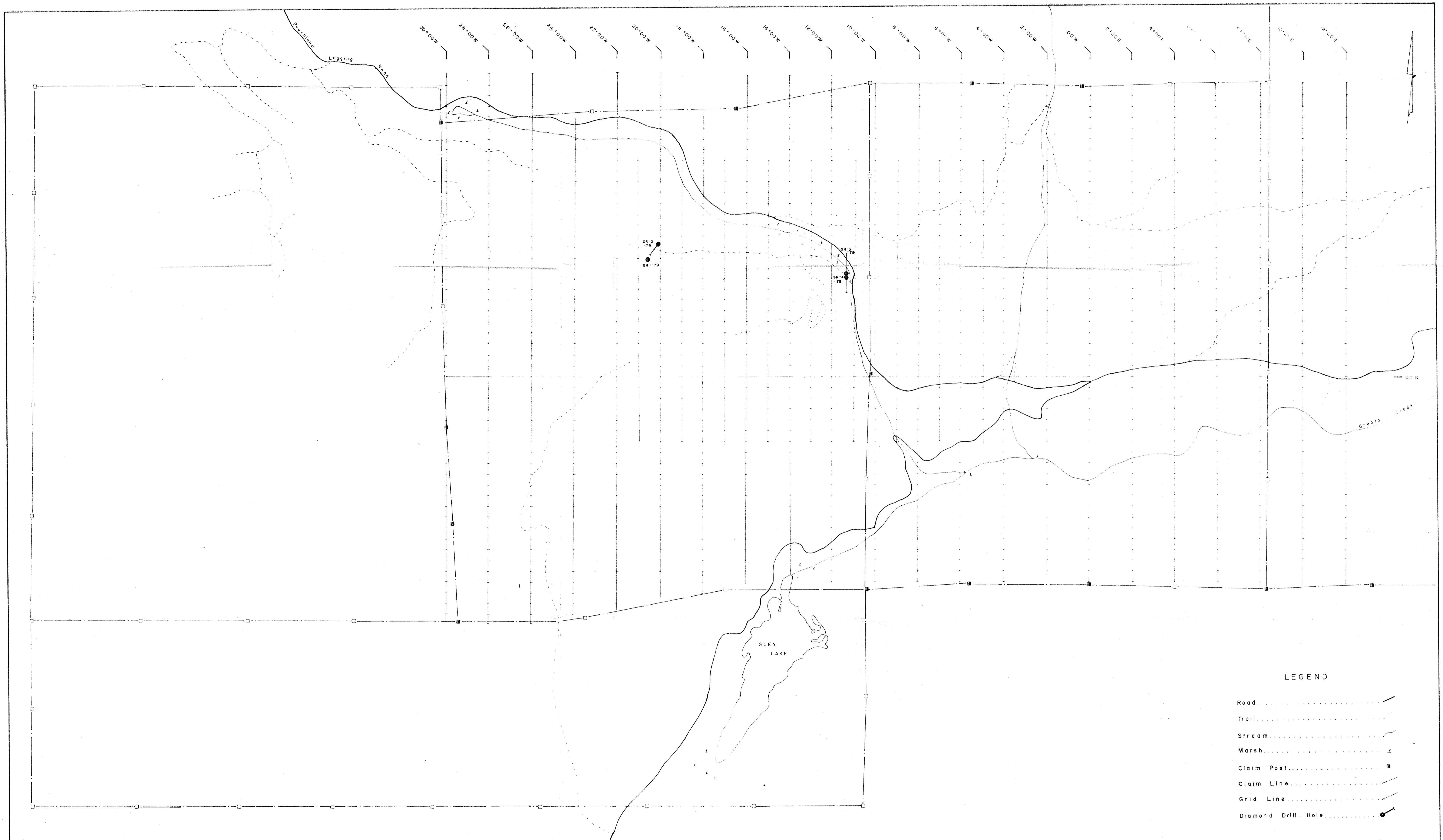
STATEMENT of QUALIFICATIONS

I, Arnold R. Pollmer of Peachland, Province of British Columbia,
do certify that:

- 1) I have been employed as a geologist by Noranda Mines Limited from December 1973 to June 1977; I am presently employed as the chief geologist by Brenda Mines Ltd.
- 2) I am a graduate of the University of Wisconsin with a Bachelor of Science Degree in Geology (1972).
- 3) I am a member of the Canadian Institute of Mining and Metallurgy.
- 4) I am a fellow of the Geological Association of Canada.



Arnold R. Pollmer
Chief Geologist
Brenda Mines Ltd.



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BRENDA MINES LTD. EXPLORATION GROUP		
Drawn P. C. Bankes	DRILL HOLE LOCATION MAP	
Check	Figure 7	
Approv	SCALE 7,500	FILE No.