

84-#979 - 11945

12/84

DIAMOND DRILLING REPORT  
ON THE  
AM1, IDE1, IDE3, AND ANN 3 FRACTION,  
MINERAL CLAIMS  
RECORD NUMBERS 31188, 24994  
24996 AND 45132  
PART OF MINERAL LEASE NO 9 - HIGHLAND VALLEY  
KAMLOOPS MINING DIVISION  
NTS SHEET 92I/6, 92I/7  
LATITUDE 50°26'N  
LONGITUDE 121°00'E  
OWNED BY NATIONAL TRUST COMPANY LIMITED  
510 BURRARD, VANCOUVER, B. C. V2C 2J7  
OPERATED BY HIGHMONT OPERATING CORPORATION  
BOX 3000, LOGAN LAKE, B. C. V0K 1W0

Report Prepared By  
G.R. SANFORD - HIGHMONT MINE GEOLOGIST  
10 JANUARY 1984

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,945**

# INDEX MAP SPENCES BRIDGE MAMIT LAKE

EDITION 2

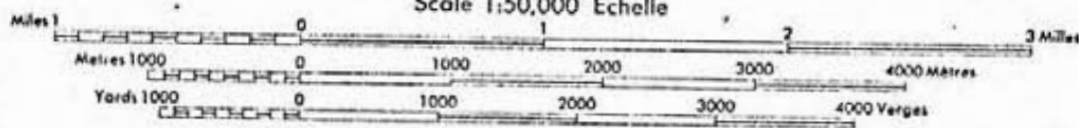
3 05' 37 38 39 40 R22 641000m. E. 12P00' 9:7 643000m. E. 44 45



## SPENCES BRIDGE

KAMLOOPS DIVISION OF YALE LAND DISTRICT  
BRITISH COLUMBIA  
WEST OF SIXTH MERIDIAN - OUEST DU SIXIÈME MÉRIDIEN

Scale 1:50,000 Échelle



DIAMOND DRILLING REPORT  
ON THE  
AM1, IDE1, IDE3 and ANN 3 FRACTION  
MINERAL CLAIMS  
PART OF MINING LEASE NO 9

TABLE OF CONTENTS

	PAGE
Index Map	1
Introduction	
i) Location and Access	2
ii) Claim Description	2
iii) Summary of Work Done	3
Detailed Technical Data and Interpretations	
i) Purpose	4
ii) Results	4
iii) Interpretations	5
Location Map - Drill Hole Collars - Drawing 2	6
iv) Conclusions	9
Itemized Cost Statement	10
Author's Qualifications	12
Appendix I	
Diamond Drill Logs	
Hole 83-376	
Hole 83-377	
Hole 83-378	
Appendix II	
Assay Results	
Hole 83-376	
Hole 83-377	
Hole 83-378	

DIAMOND DRILLING REPORT  
ON THE  
AM1, IDE1, IDE3, AND ANN 3 FRACTION  
MINERAL CLAIMS

PART OF MINING LEASE NO. 9

INTRODUCTION

i) Location and Access

Mineral Lease No. 9 is located in the Highland Valley on the southwest flank of Gnawed Mountain, at an elevation of 1600 m. The orebody currently being mined by Highmont Operating Corporation lies entirely within this lease. (See Dwg. No. 1)

Access to the Highmont Operation is via the Highmont Mine Road, an 8 km. all weather gravel road which connects with the paved highway connecting Logan Lake and Ashcroft.

ii) Claim Description

Mineral Lease No. 9 consists of 40 mineral claims and fractions and was issued on December 10, 1979 for a period of 21 years. Mining is actively being carried out by Highmont Operating Corporation from this lease at the rate of 68000 tonnes per day supplying 23-27000 TPD of mill feed.

Considerable development work has been done on the Highmont ground, beginning with the initial claim staking in 1955 and 56. Torwest Resources and Highmont Mining Corporation did major percussion and diamond drilling in 1966 and 67 and then drove some 1170 m of underground development for bulk sampling and investigations in 1967 and 1968. Additional diamond drilling

was done by Teck Corporation in 1971, bringing the exploration drilling total to 46400 m of diamond drilling and 18600 m of percussion drilling.

The drilling had outlined two large mineralized zones, totalling 122 million tonnes at 0.26% Cu. and .027% Molybdenum.

A production decision was announced on April 24, 1979. Stripping commenced in June 1980 and the first ore was milled in December 1980.

Several technical papers have been published on this property. Two of these reports are:

- 1) "The Highmont Copper-Molybdenum Deposits, Highland Valley, British Columbia" by Bergey, Carr and Reed, CIMM Bulletin, December 1971.
- 2) "Highmont: Linearly Zoned Copper Molybdenum Porphyry Deposits and their Significance in the Genesis of the Highland Valley Ores" CIMM Special Volume No. 15 pp 163-181, by Reed and Jambor 1976.

The current diamond drilling program was carried out within the active East Pit.

iii) Summary of Work Done

Drilling:

Three NQ size diamond drill holes totalling 288.0 meters.  
All work was performed within Mining Lease No. 9, on Mineral Claims AM1, IDE1, IDE3 and ANN3.

DETAILED TECHNICAL DATA AND INTERPRETATIONS

## i) Purpose

The purpose of the drilling was two fold. Firstly, it was desired to intersect suspected water bearing structures and hopefully lower the pore water pressure on the pit walls and secondly to provide assay information to aid in future pit expansion plans. The hole locations were in generally poorly defined areas and the extra cost of diamond drilling as opposed to cheaper percussion drilling was deemed worthwhile for the assay and structural information which could be obtained.

## ii) Results

All drilling was done under contract to Maitland Explorations - Vernon, B. C. A skid mounted Longyear 38 drill was used. The contractor provided a skidder for moving the drill.

Core was logged and split at the Highmont Mine site. Splitting was done in 3.048 meter (10 foot) lengths and assays for copper and molybdenum were done using standard atomic absorption techniques by Highmont's own Assay Lab.

The drill core is now stored at the Highmont Mine site. Diamond drill logs are attached as Appendix I, and assay results are tabulated as Appendix II.

The coordinates of the diamond drill holes, in relation to Highmont's grid system (non-metric) are:

<u>HOLE #</u>	<u>SIZE</u>	<u>AZIMOTH</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION</u>	<u>DIP</u>	<u>LENGTH</u>
83-376	NQ	130°37'	75966.59	112230.24	5323.82	+1°37'	122.8m
83-377	NQ	127°22'	75747.23	110665.00	5280.30	+1°47'	71.0m
83-378	NQ	138°55'	75726.65	110573.87	5280.99	+03°25'	94.2m

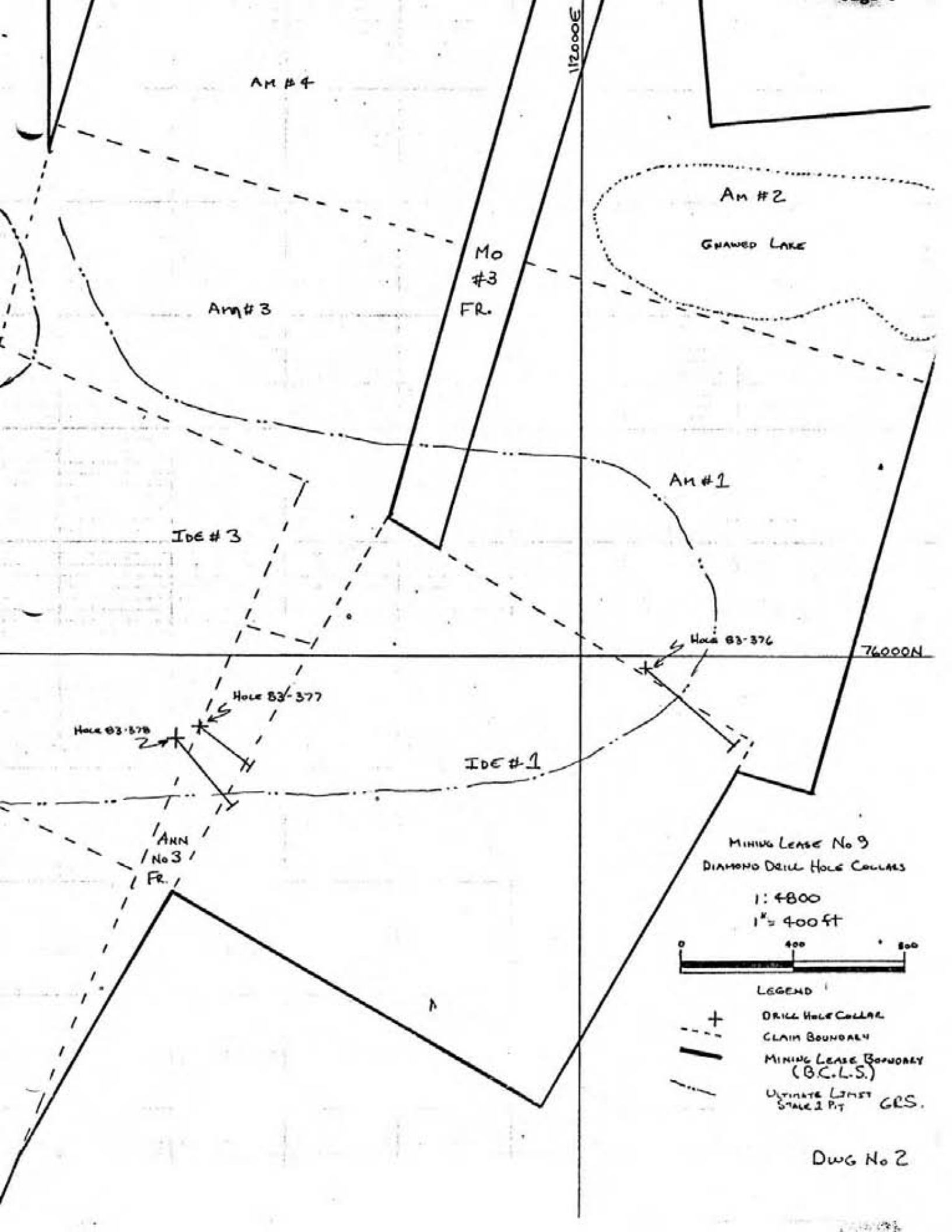
iii) Interpretations

The geology of the property has been well documented in the two previously mentioned reports. The ore occurs as fracture coatings and as shears in the host Skeena Quartz Diorite. Fracture density and rock alteration are both important for ore localization. The mineralization, consisting of Chalcopyrite, Bornite and Molybdenite is definitely related to the slightly younger Bethsaidia Quartz Porphyry dyke, which lies just outside the current south-wall of the Stage 1, East Pit.

Rock alteration within the Skeena Quartz Diorite is classed as fresh to light, moderate, or intense, based primarily on feldspar alteration. Fresh or lightly altered rocks have feldspars with a slight greenish tint due to sericitization and mafics are unaltered. Moderately altered rocks have feldspars which are mostly either waxy green or buff with some chloritization of mafics. Intensely altered rocks have feldspars which are totally waxy green or buff and the mafics are all but destroyed. In extreme cases, feldspars are chalky due to complete kaolinization.

Hole 83-376

This hole was collared at the extreme east end of the east pit (see Dwg. No 2) on 5310 berm. The flat hole was drilled approximately at right angles to the dominant joint set in this area which dips 65° towards 330° (65/330). Assay results were generally discouraging, with only a 6.1 m section from 94.5 to



MINING LEASE No 9  
DIAMOND DRILL HOLE COLLARS

1" = 4800  
1" = 400 FT



- LEGEND
- + DRILL HOLE COLLAR
  - - - CLAIM BOUNDARY
  - MINING LEASE BOUNDARY (B.C.L.S.)
  - - - ULTIMATE LIMIT STAKE & PIT GRS.

DWG No 2



100.6 which assayed .09% Cu and .035% Mo. being considered ore by current Highmont standards.

Rock alteration was generally intense. The sections from 60.9 to 91.4 and 117.3 to 122.8 were only moderately altered.

A major waterflow was encountered at 24m. Initial flow rates were in excess of 80 liters per minute and caused problems in maintaining the hole. When the hole was completed to the desired depth of 123 m, slotted plastic drain pipe was installed to hole bottom and the first 15 m of the hole was completely grouted around solid plastic pipe.

Two Tropari tests were attempted at 71.6 m and 121.9 but neither was successful for Azimuth due to malfunction. The dip remained constant at +02° up. Waterflow gradually decreased and stopped abruptly in mid November 1983.

#### Hole 83-377

This hole was collared some 470 m west of hole 83-376 on 5270 mid berm and was drilled at an acute angle into the south wall of the pit. This hole was also drilled approximately at right angles to expected water bearing structures.

Circulation was lost within 3 m of the hole collar, but the hole was continued to bottom at 71 m. The expected water bearing structure was intersected from 60.4 to 64.9 but only minor seepage (less than 4 liters per hour) was noted. Slotted pipe was again installed and the collar grouted to 15 m depth.

Assay results were more favourable with the first 10.7 m assaying .34% Cu

and .010% Mo. The rest of the hole was barren.

The rock intersected was variably altered, following no particular pattern.

#### Hole 83-378

This hole was drilled parallel to hole 83-377, some 28 m further west. It was hoped that the gougy zone from 60.7 to 64.9 in hole 83-377 would carry more water further into the wall.

Assay results from this hole were most encouraging. The first 27.4 m assayed .61% Cu/.020% Mo, 12.2m from 51.8 to 64.0 assayed .32% Cu/.026% Mo and the last 18.3 m of the hole assayed .33% Cu. and .027% Mo.

Rock alteration was mixed between intensely altered and light to medium altered zones, again with no particular pattern. Short sections from 30.5 to 54.9 were Bethsaida Quartz Porphyry. Known geology predicted the hole to be close to the Porphyry dyke.

The zone from 85.3 to 92.0 was the anticipated water zone and was very gougy, but again only a trickle of water (less than 4 liters/hour) was intersected.

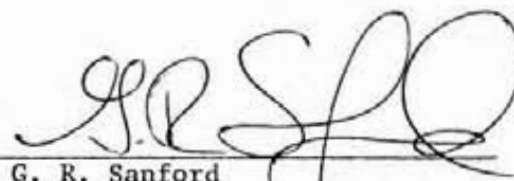
Caving ground in the vicinity of the 70 m mark prevented slotted pipe from being installed past this point. The collar was not grouted.

## iv) Conclusions

Favorable ore intersections were found in two of the three holes drilled. Future expansion of the pit to the south will enable this ore to be mined, but an expansion to the east does not appear likely at this point.

The stability of the east end pit wall was improved by relieving the water pressure behind the wall when tapped by hole 83-376. The sudden stoppage of flow in mid November coincided with the first major cold spell of the winter. This indicates a direct connection to surface runoff.

The hoped for water bearing structure in the south pit wall was not intersected. The amount of gougy material in hole 83-378 from 85.3 to 92.0 may indicate a potential problem area in future pit expansions.



---

G. R. Sanford  
Highmont Mine Geologist

GRS/iw

ITEMIZED COST STATEMENT

1) Diamond Drilling		
	Maitland Explorations Ltd. (22 Sept 1983 - 14 Oct. 1983)	
	288 m. of NQ Core Drilling including mobilization, rental of skidder, field cost work in caving ground and supplies consumed including core boxes and slotted PVC pipe.	
	Total Contractor Cost	\$22073.95
2) Assays		
	96 Copper @ \$7.50	720.00
	96 Molybdenum @ \$7.50	<u>720.00</u>
	(15 Dec. - 30 Dec. 83)	1440.00
3) Core Logging		
	S. Waller 3 days @ \$100/day	300.00
	(1 Nov. 1983 - 15 Dec. 1983)	
4) Core Splitting and Sample Bucking		
	S. Waller, G. Sanford, M. Porter 5 days @ \$100.	500.00
	(1 Dec. - 30 Dec. 1983)	
5) Supervision of Diamond Drilling		
	G. Sanford 22 September - 14 Oct. 1983	
	18 days X \$150.00 X 1/3 time	900.00
6) Vehicle Use		
	22 Sept. - 14 Oct. 1983	200.00
7) Site Preparation		
	4 Hrs. D8 Cat work (Highmont Cat)	
	22 Sept. - 10 October @ \$100/hr.	400.00




Page 44

AUTHOR'S QUALIFICATIONS

I, GERALD R. SANFORD, OF 1901 PARKER DRIVE, MERRITT,  
BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

- 1) I am a Geologist employed by Highmont Operating Corporation;
- 2) I graduated from the University of British Columbia in 1969 with a Bachelor of Applied Science Degree in Geological Engineering
- 3) I have been continuously employed as a geologist in the mining industry since graduation; and that
- 4) this report describes work performed on Mineral Lease No. 9 under my supervision during the period 20 September - 15 October 1983.

  
\_\_\_\_\_  
G. R. Sanford  
10 January 1984

APPENDIX I

DIAMOND DRILL LOGS

HOLE 83-376

HOLE 83-377

HOLE 83-378

--- DIAMOND DRILL LOG.

Grid No. \_\_\_\_\_ Property \_\_\_\_\_ Section No. \_\_\_\_\_ Hole No. 83-376

Started 26 Sept. 83	Bearing 130°37'	Dips +1°37'	Lat. 75966.59	Elevation 5323.82	Location 5310 East Pit
Completed 2 Oct. 83	Length 122.8m	Surface Hole X	Dep. 112230.24	Level 5310	Logged by S. Waller
Standpipe	Casing 1.52m	Underground Hole	Remarks		

FOOTAGE		Core Re- covered	Description	Assay				Average Values
From	To							
1.5	60.9		Generally buff colored, intensely altered Skeena Quartz Diorite. Mafics all but destroyed. Buff color alternates with a waxy green feldspar alteration. Some greenish chloritic sections. Entire hole has patchy development of a salmon colored alteration which resembles K-spar, but is probably due to fine iron oxide particles. Also scattered disseminated molybdenite in quartz veins and fracture controlled bornite and chalcopyrite throughout entire hole. Hit major water flow at 24.4. Initial flow rate +80 lpm.					
			21.0 - 24.1 Very chloritic					
			24.4 - 27.4 Poor recovery (20%) not much gouge					
			24.4 - 25 cm Quartz vein					
			33.5 - 38.1 Lot of earthy hematite					
			34.4 Earthy hematite slip					
			39.7 - 40.8 Some shearing					
			45.7 - 47.8 Limonite stained					
			54.9 Minor shearing					
			55.5 - 60.3 Feldspar completely kaolinized					

*GW*



## --- DIAMOND DRILL LOG.

Grid No. \_\_\_\_\_ Property \_\_\_\_\_ Section No. \_\_\_\_\_ Hole No. 83-376

Started	Bearing	Dips	Lat.	Elevation	Location
Completed	Length	Surface Hole	Dep.	Level	Logged by
Standpipe	Casing	Underground Hole	Remarks		

FOOTAGE		Core Re- covered	Description	Assay				Average Values
From	To							
60.9	91.4		Generally medium altered Skeena Quartz Diorite. Scattered intact biotites.					
			Mixed buff and greenish feldspar alterations. Short intensely altered					
			sections and short lightly altered sections. Still patchy salmon colored					
			alterations.					
			64.6 - 65.5 Feldspars completely kaolinized					
			66.4 - 67.1 Feldspars completely kaolinized					
			69.8 - 71.6 Minor gouge and broken zone					
91.4	117.3		Intensely altered as previous. Salmon alterations. Scattered light and					
			medium altered sections.					
			93.0 - 93.9 Gouge					
			115.8 - 117.0 Feldspars completely kaolinized					
117.3	122.8		Green to buff moderate altered skeena. Some intact biotite. Minor					
			gouge at 122.2					
			End at 122.8					

--- DIAMOND DRILL LOG.

Grid No. \_\_\_\_\_ Property \_\_\_\_\_ Section No. \_\_\_\_\_ Hole No. 83-377

Started 3 Oct. 83	Bearing 127°22'	Dips +1°47'	Lat. 75747.23	Elevation 5280.30	Location 5270 East Pit
Completed 6 Oct. 83	Length 71.0m	Surface Hole X	Dep. 110665.00	Level 5270	Logged by S. Waller
Standpipe	Casing .9 m	Underground Hole	Remarks		

FOOTAGE		Core Re- covered	Description	Assay				Average Values
From	To							
			Bornite, Chalcopyrite and Molybdenite in Quartz veinlets and as fracture coatings throughout hole.					
.9	11.6		Intensely altered Skeena Quartz Diorite with mostly buff Feldspars. Some waxy green. Some Hematite stains.					
11.6	17.7		Medium to intensely altered Skeena. Waxy green Feldspar alteration. Occasional pink Aplite veinlets or dyke to 1 cm wide.					
17.7	28.3		Intensely altered, buff Feldspars, Epidote on fractures.					
			At 20.7 Scattered grey Aplite dykes to 2 cm wide					
			At 23.8 30 cm gouge					
			23.8 - 26.8 Patches medium to light Feldspar alteration and scattered pink Aplite dykes to 1 cm wide.					

Grid No. \_\_\_\_\_ Property \_\_\_\_\_ Section No. \_\_\_\_\_ Hole No. 83-377

Started	Bearing	Dips	Lat.	Elevation	Location
Completed	Length	Surface Hole	Dep.	Level	Logged by
Standpipe	Casing	Underground Hole	Remarks		

FOOTAGE		Core Re- covered	Description	Assay				Average Values
From	To							
28.3	34.4		Moderate waxy green Feldspar alteration. Patches lightly altered. Some buff alteration.					
34.4	60.4		Lightly altered to fresh Skeena. Feldspars waxy green and buff 43.0 - 43.6 Intense buff alteration. From 46.6 On Gougy Epidote fracture coatings.					
60.4	64.9		Intense buff alteration, generally gougy. Some waxy green alteration.					
64.9	71.0		Mixed moderate and light buff alterations. Scattered K-Spar 67.0 - 70.1 Some intense buff and green alteration 68.0 - 69.5					
			End at 71.0					

*GLS*

--- DIAMOND DRILL LOG.

Grid No. \_\_\_\_\_ Property \_\_\_\_\_ Section No. \_\_\_\_\_ Hole No. 83-378

Started 6 Oct. 83	Bearing 138°55'	Dips +03°25'	Lat. 75726.65	Elevation 5280.99	Location 5270 East Pit
Completed 14 Oct. 83	Length 94.2 m	Surface Hole X	Dep. 110573.87	Level 5270	Logged by S. Waller
Standpipe	Casing 1.5	Underground Hole	Remarks		

FOOTAGE		Core Re-covered	Description	Assay				Average Values
From	To							
1.5	15.2		Intensely altered buff colored Skeena Quartz Diorite. Generally siliceous. Salmon colored alteration as in hole 83-376. Scattered chalcopyrite, bornite, molybdenite as fracture coatings and in quartz veins throughout hole.					
			2.7 - 3.0 Gouge					
15.2	24.4		Light to medium waxy green feldspar alteration.					
24.4	54.9		Generally medium to intense waxy green feldspar alteration. Lot of salmon colored alteration to 42.7. Occasional pink aplite dykes, up to 30 cm wide.					
			30.5 - 54.9 Sections almost Bethsaida Quartz Porphyry. Some gougy epidote on fractures					
			51.5 - 51.8 Light grey felsic dyke					

## --- DIAMOND DRILL LOG.

Grid No. \_\_\_\_\_ Property \_\_\_\_\_ Section No. \_\_\_\_\_ Hole No. 83-378

Started		Bearing	Dips	Lat.	Elevation	Location		
Completed		Length	Surface Hole	Dep.	Level	Logged by		
Standpipe		Casing	Underground Hole	Remarks				
FOOTAGE		Core Re- covered	Description	Assay				Average Values
From	To							
54.9	64.0		Medium waxy green feldspar alteration. Green felted biotites and hornblends.					
64.0	92.0		Intensely altered, buff colored. Epidote on fractures.					
			65.5 - 66.9 Gouge					
			76.1 - 76.8 Gouge					
			78.8 - 79.2 Gouge					
			From 79.2 on gougy.					
			Especially 85.3 to 92.0, mostly epidote gouge.					
92.0	94.2		Intensely altered but ground improving					
			End at 94.2					

APPENDIX II

ASSAY RESULTS

HOLE 83-376

HOLE 83-377

HOLE 83-378

## HIGHMONT OPERATING CORPORATION

Date: 28-31 Dec 1983

## Mine Assay

Assayed By: \_\_\_\_\_

## Laboratory Report Form

TAG NO.	FOOTAGE (ft)	LAB. NO.	FOOTAGE (m)	%CU	%MO	REMARKS
1138	5-10	1	1.5-3.0	.02	.006	Hole B3-376
1139	10-20	2	3.0-6.1	.02	.009	
1140	20-30	3	6.1-9.1	.02	.007	
1141	30-40	4	9.1-12.2	.06	.013	
1142	40-50	5	12.2-15.2	.04	.011	
1143	50-60	6	15.2-18.3	.06	.021	
1144	60-70	7	18.3-21.3	.01	.008	
1145	70-80	8	21.3-24.4	.01	.008	
1146	80-90	9	24.4-27.4	.09	.011	
1147	90-100	10	27.4-30.5	.04	.008	
1148	100-110	11	30.5-33.5	.04	.005	
1149	110-120	12	33.5-36.6	TR	.008	
1150	120-130	13	36.6-39.6	.03	.007	
1170	130-140	14	39.6-42.7	.06	.003	
1171	140-150	15	42.7-45.7	.04	.005	
1172	150-160	16	45.7-48.8	.02	.003	
1173	160-170	17	48.8-51.8	.08	.009	
1174	170-180	18	51.8-54.9	.08	.006	
1175	180-190	19	54.9-57.9	.02	.005	
1176	190-200	20	57.9-61.0	.03	.005	
1177	200-210	21	61.0-64.0	.04	.006	
1178	210-220	22	64.0-67.1	.04	.005	
1179	220-230	23	67.1-70.1	.02	.002	
1180	230-240	24	70.1-73.2	.02	.003	
1181	240-250	25	73.2-76.2	.03	.008	
1182	250-260	26	76.2-79.2	.04	.011	
1183	260-270	27	79.2-82.3	.03	.017	
1184	270-280	28	82.3-85.3	.03	.011	
1185	280-290	29	85.3-88.4	.05	.047	
1186	290-300	30	88.4-91.4	.06	.009	

## HIGHMONT OPERATING CORPORATION

Date: 28 31 Dec 1983

## Mine Assay

Assayed By: \_\_\_\_\_

## Laboratory Report Form

TAG NO.	FOOTAGE (ft)	LAB. NO.	FOOTAGE (m)	%CU	%MO	REMARKS
1187	300-310	1	91.4-94.5	.15	.011	Hole 83-376
1188	310-320	2	94.5-97.5	.13	.031	
1190	320-330	3	97.5-100.6	.05	.038	
1191	330-340	4	100.6-103.6	.10	.013	
1192	340-350	5	103.6-106.7	.09	.016	
1193	350-360	6	106.7-109.7	.12	.015	
1194	360-370	7	109.7-112.8	.02	.010	
1195	370-380	8	112.8-115.8	.01	.004	
1196	380-390	9	115.8-118.9	.02	.007	
1197	390-400	10	118.9-121.9	.05	.004	
1198	400-403	11	121.9-122.8	.10	.007	
		12				
		13				
		14				
		15				
		16				
		17				
		18				
		19				
		20				
		21				
		22				
		23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				



# Mine Assay Laboratory Report Form

Assayed By: \_\_\_\_\_

TAG NO.	FOOTAGE (ft)	LAB. NO.	FOOTAGE (m)	%CU	%MO	REMARKS
1651	3-8	1	.9-2.4	.51	.014	HOLE 83-377
1652	8-18	2	2.4-5.5	.44	.012	
1653	18-28	3	5.5-8.5	.22	.009	
1654	28-38	4	8.5-11.6	.27	.007	
1655	38-48	5	11.6-14.6	.19	.008	
1656	48-58	6	14.6-17.7	.10	.005	
1657	58-68	7	17.7-20.7	.16	.008	
1658	68-78	8	20.7-23.8	.21	.008	
1659	78-88	9	23.8-26.8	.10	.004	
1660	88-98	10	26.8-30.0	.14	.008	
1661	98-108	11	30.0-32.9	.08	.003	
1662	108-118	12	32.9-36.0	.04	.004	
1663	118-128	13	36.0-39.0	.05	.006	
1664	128-138	14	39.0-42.1	.10	.004	
1665	138-148	15	42.1-45.1	.12	.005	
1666	148-158	16	45.1-48.2	.04	.002	
1667	158-168	17	48.2-51.2	.05	.001	
1668	168-178	18	51.2-54.3	.06	.004	
1669	178-188	19	54.3-57.3	.04	.002	
1670	188-198	20	57.3-60.4	.06	.004	
1671	198-208	21	60.4-63.4	.08	.003	
1672	208-218	22	63.4-66.4	.07	.002	
1673	218-228	23	66.4-69.5	.10	.004	
1674	228-233	24	69.5-71.0	.23	.010	
		25				
		26				
		27				
		28				
		29				
		30				

## HIGHMONT OPERATING CORPORATION

Date: 20-22 Dec 1983

## Mine Assay

Assayed By: \_\_\_\_\_

## Laboratory Report Form

TAG NO.	FOOTAGE (ft.)	LAB. NO.	FOOTAGE (m)	%CU	%MO	REMARKS
1681	5-10	1	1.5-3.0	.40	.010	Hole 93-378
1682	10-20	2	3.0-6.1	.98	.029	
1683	20-30	3	6.1-9.1	.99	.031	
1684	30-40	4	9.1-12.2	.90	.013	
1685	40-50	5	12.2-15.2	.95	.035	
1686	50-60	6	15.2-18.3	.28	.010	
1687	60-70	7	18.3-21.3	.27	.007	
1688	70-80	8	21.3-24.4	.36	.025	
1689	80-90	9	24.4-27.4	.25	.013	
1690	90-100	10	27.4-30.5	.19	.004	
1691	100-110	11	30.5-33.5	.09	.007	
1675	110-120	12	33.5-36.6	.12	.005	
1676	120-130	13	36.6-39.6	.10	.005	
1677	130-140	14	39.6-42.7	.04	.004	
1678	140-150	15	42.7-45.7	.10	.007	
1679	150-160	16	45.7-48.8	.05	.005	
1680	160-170	17	48.8-51.8	.05	.006	
1692	170-180	18	51.8-54.9	.43	.013	
1693	180-190	19	54.9-57.9	.22	.020	
1694	190-200	20	57.9-61.0	.43	.056	
1695	200-210	21	61.0-64.0	.20	.014	
1696	210-220	22	64.0-67.1	.08	.002	
1697	220-230	23	67.1-70.1	.09	.002	
1698	230-240	24	70.1-73.2	.10	.006	
1699	240-250	25	73.2-76.2	.25	.003	
1700	250-260	26	76.2-79.2	.19	.004	
1133	260-270	27	79.2-82.3	.53	.071	
1134	270-280	28	82.3-85.3	.20	.031	
1135	280-290	29	85.3-88.4	.27	.036	
1136	290-300	30	88.4-91.4	.17	.010	

**Mine Assay**

Assayed By: \_\_\_\_\_

**Laboratory Report Form**

TAG NO.	FOOTAGE (ft)	LAB. NO.	FOOTAGE (m)	%CU		%MO	REMARKS
1137	300-309	1	91.4-94.2	.33		.014	HOLE 33-378
		2					
		3					
		4					
		5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					
		15					
		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					