84-1169-13257

DIAMOND DRILLING REPORT

ON THE

IDE 2, IDE 4 AND ANN 4 FRACTION

MINERAL CLAIMS

PART OF MINING LEASES NO. 9 & NO. 14

HIGHLAND VALLEY

KAMLOOPS MINING DIVISION

NTS SHEETS 92I/6, 92I/7

LATITUDE 50°25'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

L.H.C. TSANG - HIGHMONT CHIEF GEOLOGIST

OCTOBER 10, 1984

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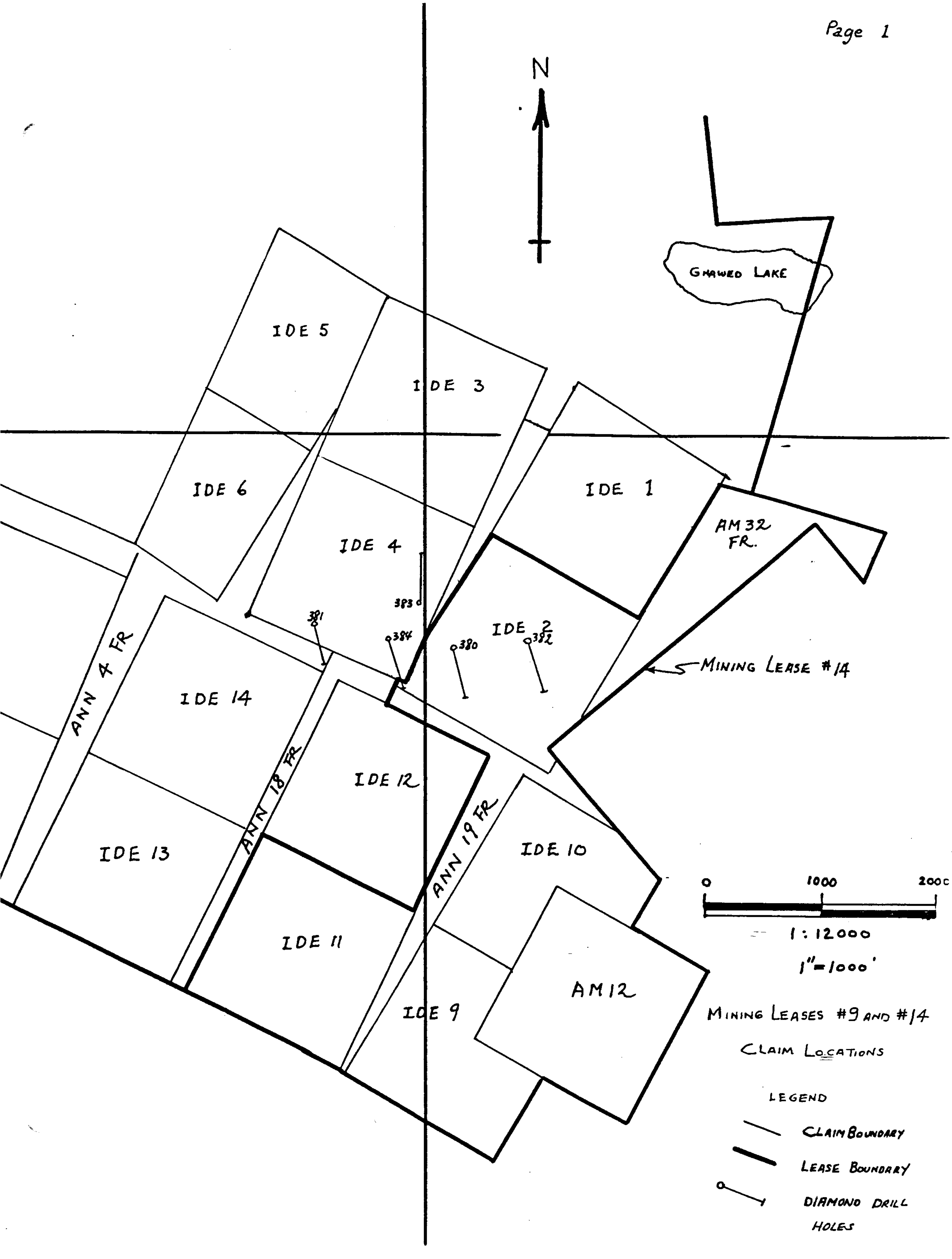
SPENCES BRIDGE MAMIT LAKE

EDITION 2


N
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ANN 4 FR
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1000
2000
1 : 12000
1" = 1000'
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DIAMOND DRILLING REPORT
ON THE
AM, ANN AND IDE MINERAL CLAIMS

PART OF MINING LEASES 9 AND 14

INTRODUCTION

i) Location and Access

Mineral Leases No. 9 and No. 14 are located in the Highland Valley on the southwest flank of Gnawed Mountain, at an elevation of 1585-1747 m. Highmont Operating Corporation's No. 4 mineral deposit, currently being evaluated by this drilling program, lies within these leases.

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

ii) Claim Description

Mining Lease No. 9 consists of 40 mineral claims and fractions and was issued on December 10, 1979. Mining Lease No. 14 consists of 7 claims and fractions and was issued on September 10, 1980. Both were issued for a period of 21 years.

Considerable development work has been done on Highmont's Lease No. 9, beginning with the initial claim staking in 1955 and 1956. Torwest Resources and Highmont Mining Corporation did major percussion and diamond drilling in 1966 and 1967 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 from 1969 to 1971 bringing the exploration drilling total to 46400 m. of diamond drilling and 18800 m. of percussion drilling.

This drilling outlined two large mineralized zones, totalling 122 million tonnes at 0.26% Cu and .027% molybdenum. (No. 1 & 2 ore bodies)

In 1977 and 1979, two fill-in diamond drilling programs totalling 3451 m. were carried out on Highmont's No. 2 ore body to prove up first year production grades and a production decision was announced on April 24, 1979. Stripping commenced in June, 1980 and the first ore was milled in December, 1980.

The claims within Lease No. 14 were purchased from Minex Resources when Highmont announced its production decision in 1979. Minex and Canadian Superior had drilled several diamond and percussion drill holes on this ground, encountering scattered chalcopyrite and molybdenite mineralization.

Other than the two largest ore zones(Nos. 1 and 2) that are currently being mined, the Highmont property includes five small deposits. The current diamond drilling program was carried out to further evaluate the No. 4 deposit.

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.

iii) Summary of Work Done

Drilling

Five NQ size diamond drill holes totalling 1027 meters. Three holes were collared within Mining Lease No. 9 on Mineral Claim Ide 4. Two holes were drilled within Mining Lease No. 14, collared on Ide 2 Mineral Claim. (See Dwg. GD-16)

iv) List of Claims

All work was performed within Mining Leases 9 and 14. The individual claims worked on are tabulated as follows:

	Claim Name	Record Number
Mining Lease No. 9	Ide 4	24997
	Ann 4 FR	45133
Mining Lease No. 14	Ide 2	24995
	Ann 19 FR	46154

As leases, all claims have been surveyed by a B.C. Land Surveyor. The locations of these claims and drill hole projections are shown on the attached drawing GD-16 "Lease and Claim Boundaries (BCLS) 1984 Drilling Program".

DETAILED TECHNICAL DATA & INTERPRETATIONS

i) Purpose

The purpose of the drilling was to both explore the lateral extension of the #4 deposit and to look for possible low strip ratio mineralization.

ii) Results

All drilling was done under contract to Connors Drilling Ltd., Kamloops, B.C. A truck mounted diamond drill was used, and NQ size core recovered.

All other work associated with this program was done by Highmont Operating Corporation, utilizing Highmont personnel. Mr. Peter Folk, P. Eng., of Teck Corporation, supervised the diamond drilling, and logged the core, with Highmont providing overall supervision.

Core was logged and split at the Highmont minesite. Splitting was done in 10 foot lengths (3.048 meters) and assays for copper, molybdenum and silver were done using standard atomic absorption techniques by Highmont's own assay laboratory. Silver assays were only done on those assay intervals considered to be ore. All 5 holes were completely split and assayed for copper and molybdenum.

The drill core is now stored at the Highmont minesite. Diamond drill assay results are tabulated in Appendix I, and diamond drill logs are attached as Appendix III. Assay results are also plotted on individual drill hole sections, on Drawings GC-03A to 03E, in the attached pouch.

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

HOLE #	SIZE	AZIMUTH	NORTHING	EASTING	ELEVATION	DIP	LENGTH (m)
84-380	NQ	161°	74,148.99	110,270.09	5530.77	-50	198.1
84-381	NQ	162°	74,514.82	108,976.17	5405.64	-49	218.2
84-382	NQ	162°	74,247.25	110,885.38	5624.28	-47	216.4
84-383	NQ	003°	74,566.94	109,961.76	5502.82	-44	179.8
84-384	NQ	159°	74,282.98	109,684.96	5468.21	-46	214.3

Core logging was done on graphic logs, copies of which are attached in Appendix III. Appendix II contains a legend, describing the coding and abbreviations noted on the drill logs.

A complimentary Assessment Report entitled "Geochemical Report of Soil Sampling, Trenching and Geological Mapping on the Am, Ann and Ide Mineral Claims, Part of Mining Leases No. 9 and 14, Highland Valley", dated October 3, 1984 by G.R. Sanford, provided the data base for the drilling program. Soil anomaly positions had been established and structural trends had been delineated by trench mapping. As far as practical, drill holes could be collared to cut mineralized trends at near right angles.

iii) Interpretations

The entire work area is underlain by Skeena Phase quartz diorite of the Guichon Batholith. A westerly to north westerly trending quartz porphyry dyke of Bethsaida Phase, up to 150 m. wide, cuts through the AM 32 Fraction, Ide 1 and 2, Ide 3 and 4, and Ide 5 and 6.

Ore mineralization can be found as fracture coatings, within shears, or associated with quartz veins in the host Skeena Quartz Diorite. Only small amounts ($<$ 5%) of disseminated mineralization within the quartz diorite itself are noted. The mineralization, consisting of chalcopyrite, bornite and molybdenite is definitely related to the slightly younger Bethsaida Quartz Porphyry Dyke which lies just north of the No. 4 Deposit. Fracture density and rock alteration are both important for ore localization. Known ore deposits occur both on the North and South sides of the Porphyry Dyke.

Rock alteration within the Skeena Quartz Diorite is classed as unaltered, propylitic, argillic, potassic and phyllic (sericite rich). Unaltered to lightly altered rocks have feldspars with a slight greenish tint due to sericitization and mafics are unaltered. Propylitic altered rocks have feldspars which are predominately waxy green or buff due to variable amounts of sericite and carbonate and some chloritization of mafic minerals. Argillic altered rocks have feldspars which are light buff to chalky indicating almost complete replacement by clay and carbonate and mafics are almost completely replaced by chlorite and carbonate. Potassic altered rocks contain hyrothermal biotite which is partially altered to chlorite. Phyllic altered rocks contain quartz-sulphide veinings with envelopes of white flakey sericite. Hydrothermal solutions accompanying the veings have usually caused very intense alterations of wall rocks over short distances outside the sericite envelope.

As propylitic alteration grades into argillic alteration, the distinction between the two is at times tenuous. Correlation of argillic and propylitic zones between drill holes is difficult as the alteration zones are pod like, and do not have a great lateral extent.

All five holes were entirely within the Skeena Quartz Diorite, except for Hole 84-383 which bottomed in the Quartz Porphyry Dyke. Minor amounts of porphyry and pink aplite were encountered in the other holes.

84-380

This hole was drilled over an anomaly based on the copper soils survey and trench mapping. It was collared on the southwest side of Ide 2, and drilled at -50^{O} towards 161^{O}, close to 90^{O} to the dominant structural trend of 50^{O} towards 250^{O} (50/250). In the top 64 m. of the hole, argillic alteration predominated. Over the rest of the hole to the bottom at 198.1 m., propylitic alteration predominated, possibly implying that as distance from the Quartz Porphyry Dyke increases, alteration decreases.

Assay results were encouraging, with intervals from 39.6 - 70.1 m., 91.4 - 158.5 m. and 173.7 - 182.9 m. considered as ore by current Highmont standards. These intervals combined averaged .17% Cu and .027% Mo over 106.7 m. The entire hole averaged 0.13% Cu and .021 Mo over 195.1 m.

84-381

This was the most westerly hole drilled, collared on the southwest side of Ide 4, and drilled at -49^{O} towards 162^{O}. This hole tested for a westerly extension of the No. 4 Deposit. Unaltered to propylitic alteration predominated over the entire hole. Minor argillic sections were found associated with local shear zones. This hole was further from the main Porphyry Dyke than any of the others and was the least altered. Several short intervals of Quartz Porphyry were noted in the lower half of the hole as were several thin aplite dykes.

The hole assayed ore from 39.6 to 106.7 m. at .20% Cu and .020% Mo. Below 106.7 m., several intervals up to 12.1 m. wide were of ore grade but discontinuous. The entire hole averaged .13% Cu and .017% Mo over 207.6 m.

84-382

This hole was the most easterly hole drilled, collared in the centre of Ide 2 and drilled at -47° towards 162°. This hole was designed to test the eastern extent of No. 4 Deposit and to investigate structures along the continuation of the Water Hole Fault. In Highmonts No. 1 Deposit (East Pit), mineralization is found closely associated with this major regional fault.

Propylitic alteration predominated in the top and bottom one third of the hole while argillic alteration predominated in the central third.

Assay grades differed from the two previous holes. For the top 158.5 m. virtually no molybdenum was present although many sections assayed better than 0.20% Cu. This section averaged .16% Cu, .004% Mo. The hole bottomed in the Water Hole Fault, in an expected higher grade molybdenum zone. Molybdenum grades began to increase within 45 m. of the fault. The last 57.9 m. from 158.5 to 216.4 m. averaged .21% Cu, .023% Mo, with the entire hole averaging .17% Cu, .009% Mo over 213.4 m.

84-383

This hole was collared on the east central edge of Ide 4. It was drilled at -44° towards 003°, the only northerly drilled hole.

Alteration varied from unaltered and propylitic at the collar to mixed sections of propylitic, argillic and phyllic before entering the Porphyry Dyke at 126.5 m.

Assay results were very discouraging in the Skeena rocks, with very few ore intervals greater than 3.1 m. wide. Skeena rocks averaged .11% Cu and .008% Mo. Bethsaida rocks averaged .03% Cu and .003% Mo with the entire hole averaging .09% Cu and .006% Mo over 176.8 m.

84-384

This hole was collared in the southeast corner of Ide 4, midway between Holes 84-380 and 381 and was drilled at -46^{O} towards 159^{O}. It tested the ore trend established by Holes 84-380 and 381.

Propylitic alteration predominated with short intervals of argillic alteration. Short intervals of Quartz Porphyry were also noted near the hole bottom.

Assay results were not as encouraging as Holes 380 and 381 with only three short ore intersections. A 9 m. interval from 82.3 to 91.4 assayed .28% Cu and .017% Mo; the second interval from 134.11 to 146.30 (12 m.) assayed .12% Cu and .071% Mo. The last interval from 161.5 to 170.7 (9 m.) assayed .13% Cu and .074% Mo. Overall, the entire 205.1 m. of hole assayed .09% Cu and .015% Mo. The ore intersections between the three holes were correlateable, but discontinuous.

Silver assays in the ore intersections averaged 0.033 ounces per ton. Higher silver assays coincided with higher copper assays. Waste intervals assayed averaged .018 oz/ton. The silver mineral is unidentified.

Acidetech tests for dip were done in all five drill holes. Dips did not change.

iv) Conclusions

The known mineralization associated with the No. 4 Deposit was extended, although higher copper grades indicated from previous work were not encountered, and low strip ratio ore was not located.

Silver mineralization is associated with the copper sulphides, in an unidentified mineral.

In general, rock alteration within the Skeena appears to increase as the Quartz Porphyry Dyke is approached.

L. H. C. TSANG
Highmont Chief Geologist

COST STATEMENT

MINING LEASE NO. 9

DIAMOND DRILLING		
	July 17 - Aug. 27, 1984, 3 holes, 612 m of NQ core @ $51.22/m, including field costs, mobilization, etc.	$31,350.00
ASSAYING		
	201 Drill core samples, analyzed for Cu, Mo @ $4.00 per element	1,610.00
	43 drill core samples, analyzed for Ag @ $7.00 per sample	300.00
CORE LOGGING, MAPPING, DRILL SUPERVISION		
	P. Folk, P. Eng. July 9 - Aug. 27, 1984, 34 days in period @ 184.37 per day	6,270.00
CORE SPLITTING		
	July 10 - Aug. 27, 1984, 32 days in period @ $80.00 per day	2,560.00
SURVEYING		
	July - Aug. 1984, 42 hours in period @ $17.42 per hour	730.00
DRAFTING		
	July - Oct. 1984, 26 hours in period @ $22.50 per hour 27 hours in period @ 10.00 per hour	860.00
VEHICLE RENTAL		
	July 11 - Aug. 25, 1984, 30 days in period @ $18.05 per day, Chev. pickup includes 15% for fuel and maintainence	620.00

SUPERVISION		
	July - Aug. 1984, 22 days in period miscellaneous Highmont personnel @ $104.44 per day	2,300.00
TRAVEL COSTS		
	P. Folk, P. Eng. July 1- Aug 27, 1984, two return flights Vancouver - Kamloops	410.00
LODGING AND MEALS		
	P. Folk, P. Eng. July 1 - Aug. 27, 1984 33 days in period @ $45.00 per day	1,480.00
REPORT PREPARATION		
	July 1 - Oct. 10, 1984 10 days in period @ $90.00 per day	900.00
MISCELLANEOUS CONSUMABLES		
	Sample envelopes, Bags, Shovels, PVC pipe and Steel pipe left in drill hole collars, etc.	430.00
	TOTAL	$49,820.00

NOTE: Charges for surveying, drafting, vehicle rental, supervision, travel costs, lodging and meals, report preparation and miscellaneous consumables include a portion attributable to, but not included in a separate complimentary Assessment Report entitled "Geochemical Report of Soil Sampling, Trenching, and Geological Mapping on the Am, Ann and Ide Mineral Claims, part of Mining Leases No. 9 and 14, Highland Valley" by G.R. Sanford, 03 October 1984.

COST STATEMENT

MINING LEASE NO. 14

DIAMOND DRILLING		
	July 17 - Aug. 27, 1984, 2 holes 415 m. of NQ core @ $51.21/m including field costs, mobilization, etc.	$21,250.00
ASSAYING		
	136 drill core samples, analyzed for Cu, Mo @ $3.50 per element	950.00
	73 drill core samples, analyzed for Ag @ $7.00 per sample	510.00
CORE LOGGING, MAPPING, DRILL SUPERVISION		
	P. Folk, P. Eng. July 9 - Aug. 27, 1984, 15 days in period @ $184.37 per day	2,770.00
CORE SPLITTING		
	July 10 - Aug. 27, 1984, 16 days in period at $80.00 per day	1,280.00
SURVEYING		
	July - Aug. 1984, 20 hours in period @ $17.42 per hour	350.00
DRAFTING		
	July - Oct. 7, 1984 13 hours in period @ $22.50 per hour 13 hours in period @ $10.00 per hour	420.00
VEHICLE RENTAL		
	July 11 - Aug 25, 1984, 15 days in period @ $18.05 per day, Chev. pickup, includes 15% for fuel and maintainence	310.00

SUPERVISION

July - Aug. 1984, 11 days in period miscellaneous Highmont Personnel @ $104.55 per day	1,150.00

TRAVEL COSTS

P. Folk, P. Eng. July 1 - Aug. 27, 1984, return flight Vancouver - Kamloops	200.00

LODGING AND MEALS

P. Folk, P. Eng. July 1 - Aug 27, 1984, 16 days in period @ $45.00 per day	720.00

REPORT PREPARATION

June 1 - Oct. 10, 1984, 5 days in period @ $80.00 per day	400.00

MISCELLANEOUS CONSUMABLES

Sample envelopes, Bags, shovels, PVC pipe and steel pipe left in drill hole collars, etc.	210.00
TOTAL	$30,520.00

NOTE: Charges for surveying, drafting, vehicle rental, supervision, travel costs, lodging and meals, report preparation and miscellaneous consumables include a portion attributable to, but not included in a separate complimentary Assessment Report entitled "Geochemical Report of Soil Sampling, Trenching, and Geological Mapping on the AM, Ann and Ide Mineral Claims, Part of Mining Leases No. 9 and 14, Highland Valley" by G.R. Sanford, 03 October 1984.

CERTIFICATE OF QUALIFICATIONS

Peter G. Folk, P. ENG.

I hereby certify that:

1. I graduated from the University of British Columbia in 1971 with a B.A.S.C. degree in geological engineering.

2. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.

3. I have worked since graduation as an exploration geologist and mine geologist in Canada and the United States.

4. The work described herein was done under my direct supervision.

Peter Folk

Author's Certificate

I, Louis Tsang, of Logan Lake, British Columbia, do hereby certify that:

1. I am a graduate of the University of British Columbia with a B. Sc. degree (1972) in geology and geophysics.

2. I am a member of the Geological Association of Canada.

3. I have practiced my profession since 1972 while employed by Bacon & Crowhurst Consulting Engineering Ltd., (one summer season), and by Zapata-Granby Corporation, Granisle Division (seven years).

4. Present, I am employed by Highmont Operating Corporation Ltd., Post Office Box 3000, Logan Lake, B.C.

5. I have directed the entire drilling program described herein.

Louis Tsang.

Louis H.C. Tsang
Chief Geologist
Highmont Operating Corporation

APPENDIX I

DIAMOND DRILL CORE ASSAYS

HOLES 84-380
84-381
84-382
84-383
84-384

HIGHMONT OPERATING CORPORATION

HOLE 84-380

North 74148.99
East 110270.09
Elevation 5530.77

Azm. 161°
Dip. -50°

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
10-20	3.05-6.10	.12	.010	.021
20-30	6.10-9.14	.07	.012	.017
30-40	9.14-12.19	.07	.012	.017
40-50	12.19-15.24	.08	.023	.019
50-60	15.24-18.29	.08	.023	.019
60-70	18.29-21.34	.08	.003	.017
70-80	21.34-24.38	.09	.004	.017
80-90	24.38-27.43	.09	.009	.013
90-100	27.43-30.48	.11	.012	.017
100-110	30.48-33.53	.10	.009	.015
110-120	33.53-36.58	.06	.010	.019
120-130	36.58-39.62	.10	.018	.022
130-140	39.62-42.67	.21	.035	.031
140-150	42.67-45.72	.23	.051	.038
150-160	45.72-48.77	.06	.035	.019
160-170	48.77-51.82	.26	.015	.033
170-180	51.82-54.86	.06	.014	.020
180-190	54.86-57.91	.10	.020	.022
190-200	57.91-60.96	.16	.016	.029
200-210	60.96-64.01	.10	.016	
210-220	64.01-67.06	.15	.047	.034
220-230	67.06-70.10	.13	.027	.029
230-240	70.10-73.15	.11	.015	
240-250	73.15-76.20	.05	.005	
250-260	76.20-79.25	.03	.019	
260-270	79.25-82.30	.03	.024	
270-280	82.30-85.34	.10	.014	
280-290	85.34-88.39	.12	.015	.038
290-300	88.39-91.44	.04	.012	
300-310	91.44-94.49	.18	.020	.038
310-320	94.49-97.54	.08	.005	
320-330	97.54-100.58	.21	.015	.043
330-340	100.58-103.63	.71	.077	.098
340-350	103.63-106.68	.24	.093	.056
350-360	106.68-109.73	.14	.032	.029
360-370	109.73-112.78	.07	.037	.023
370-380	112.78-115.82	.07	.007	
380-390	115.82-118.87	.17	.052	.038
390-400	118.87-121.92	.11	.013	
400-410	121.92-124.97	.20	.013	.036
410-420	124.97-128.02	.16	.006	
420-430	128.02-131.06	.05	.078	.017
430-440	131.06-134.11	.16	.029	.027
440-450	134.11-137.16	.24	.027	.033

HOLE 84-380 (cont'd)

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
450-460	137.16-140.21	.13	.011	.032
460-470	140.21-143.26	.19	.019	.036
470-480	143.26-146.30	.22	.019	.044
480-490	146.30-149.35	.14	.017	.030
490-500	149.35-152.40	.14	.016	.027
500-510	152.40-155.45	.14	.014	.027
510-520	155.45-158.50	.11	.052	.032
520-530	158.50-161.54	.08	.012	
530-540	161.54-164.59	.09	.011	
540-550	164.59-167.64	.10	.008	
550-560	167.64-170.69	.07	.005	
560-570	170.69-173.74	.13	.008	
570-580	173.74-176.78	.11	.030	.026
580-590	176.78-179.83	.21	.011	.036
590-600	179.83-182.88	.10	.018	
600-610	182.88-185.93	.15	.008	
610-620	185.93-188.98	.10	.015	
620-630	188.98-192.02	.16	.008	
630-640	192.02-195.07	.12	.003	
640-650	195.07-198.12	.10	.010	

HIGHMONT OPERATING CORPORATION

HOLE 84-381

North 74514.82
East 108976.17
Elevation 5405.64

Azm. 162°
Dip. -49°

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
35-40	10.67-12.19	.03	.002	
40-50	12.19-15.24	.08	.075	.023
50-60	15.24-18.29	.02	.003	
60-70	18.29-21.34	.02	.002	
70-80	21.34-24.38	.07	.004	
80-90	24.38-27.43	.04	.004	
90-100	27.43-30.48	.08	.008	
100-110	30.48-33.53	.02	.004	
110-120	33.53-36.58	.04	.005	
120-130	36.58-39.62	.08	.008	
130-140	39.62-42.67	.24	.014	.025
140-150	42.67-45.72	.07	.006	
150-160	45.72-48.77	.10	.031	.019
160-170	48.77-51.82	.18	.016	.026
170-180	51.82-54.86	.39	.066	.037
180-190	54.86-57.91	.32	.012	.039
190-200	57.91-60.96	.16	.022	.026
200-210	60.96-64.01	.23	.004	
210-220	64.01-67.06	.04	.003	
220-230	67.06-70.10	.06	.017	
230-240	70.10-73.15	.10	.005	
240-250	73.15-76.20	.21	.030	.023
250-260	76.20-79.25	.20	.029	.029
260-270	79.25-82.30	.08	.004	
270-280	82.30-85.34	.34	.017	.043
280-290	85.34-88.39	.39	.040	.039
290-300	88.39-91.44	.17	.009	
300-310	91.44-94.49	.17	.012	
310-320	94.49-97.54	.15	.014	
320-330	97.54-100.58	.25	.032	.030
330-340	100.58-103.63	.23	.026	.030
340-350	103.63-106.68	.25	.022	.027
350-360	106.68-109.73	.06	.005	
360-370	109.73-112.78	.02	.005	
370-380	112.78-115.82	.18	.029	.021
380-390	115.82-118.87	.14	.029	.020
390-400	118.87-121.92	.11	.010	
400-410	121.92-124.97	.07	.010	
410-420	124.97-128.02	.08	.021	
420-430	128.02-131.06	.06	.035	
430-440	131.06-134.11	.16	.009	
440-450	134.11-137.16	.04	.005	

HOLE 84-381 (cont'd)

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
450-460	137.16-140.21	.04	.010	
460-470	140.21-143.26	.05	.009	
470-480	143.26-146.30	.06	.014	
480-490	146.30-149.35	.06	.018	
490-500	149.35-152.40	.05	.025	.026
500-510	152.40-155.45	.10	.011	
510-520	155.45-158.50	.11	.016	
520-530	158.50-161.54	.08	.010	
530-540	161.54-164.59	.08	.004	
540-550	164.59-167.64	.08	.002	
550-560	167.64-170.69	.18	.021	.029
560-570	170.69-173.74	.22	.028	.032
570-580	173.74-176.78	.19	.023	.021
580-590	176.78-179.83	.18	.018	.026
590-600	179.83-182.88	.07	.010	.021
600-610	182.88-185.93	.01	.002	
610-620	185.93-188.98	.14	.056	.035
620-630	188.98-192.02	.03	.005	
630-640	192.02-195.07	.13	.015	
640-650	195.07-198.12	.18	.021	
650-660	198.12-201.17	.14	.023	
660-670	201.17-204.22	.14	.019	
670-680	204.22-207.26	.14	.026	
680-690	207.26-210.31	.18	.036	
690-700	210.31-213.36	.13	.013	
700-710	213.36-216.41	.10	.011	
710-716	216.41-218.24	.09	.013	

HIGHMONT OPERATING CORPORATION

HOLE 84-382

North 74247.25
East 110885.38
Elevation 5624.28

Azm. 162°
Dip. -47°

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
10-20	3.05-6.10	.26	Tr	
20-30	6.10-9.14	.14	.001	
30-40	9.14-12.19	.24	.001	.045
40-50	12.19-15.24	.23	.002	.039
50-60	15.24-18.29	.28	.002	.047
60-70	18.29-21.34	.21	.001	.036
70-80	21.34-24.38	.25	.002	.028
80-90	24.38-27.43	.10	.004	
90-100	27.43-30.48	.16	.024	.038
100-110	30.48-33.53	.03	.002	
110-120	33.53-36.58	.02	.002	
120-130	36.58-39.62	.10	.002	
130-140	39.62-42.67	.05	.002	
140-150	42.67-45.72	.13	.002	
150-160	45.72-48.77	.10	.002	
160-170	48.77-51.82	.19	.002	
170-180	51.82-54.86	.04	.001	
180-190	54.86-57.91	.18	.001	
190-200	57.91-60.96	.06	.002	
200-210	60.96-64.01	.14	.002	
210-220	64.01-67.06	.28	.003	.032
220-230	67.06-70.10	.37	.002	.055
230-240	70.10-73.15	.07	.002	
240-250	73.15-76.20	.33	.006	.058
250-260	76.20-79.25	.22	.004	.036
260-270	79.25-82.30	.16	.006	
270-280	82.30-85.34	.04	.004	
280-290	85.34-88.39	.13	.005	
290-300	88.39-91.44	.12	.004	
300-310	91.44-94.49	.28	.003	.050
310-320	94.49-97.54	.24	.003	.042
320-330	97.54-100.58	.15	.003	
330-340	100.58-103.63	.25	.004	.042
340-350	103.63-106.68	.21	.004	.036
350-360	106.68-109.75	.25	.004	.042
360-370	109.75-112.78	.26	.002	.045
370-380	112.78-115.82	.23	.005	.033
380-390	115.82-118.87	.16	.010	
390-400	118.87-121.92	.08	.003	
400-410	121.92-124.97	.14	.003	
410-420	124.97-128.02	.14	.002	

HOLE 84-382 (cont'd)

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
420-430	128.02-131.06	.06	.003	
430-440	131.06-134.11	.13	.006	
440-450	134.11-137.16	.19	.021	.041
450-460	137.16-140.21	.18	.011	
460-470	140.21-143.26	.09	.008	
470-480	143.26-146.30	.07	.008	
480-490	146.30-149.35	.10	.006	
490-500	149.35-152.40	.09	.001	
500-510	152.40-155.45	.03	Tr	
510-520	155.45-158.50	.04	.002	
520-530	158.50-161.54	.07	.020	
530-540	161.54-164.59	.12	.007	
540-550	164.59-167.64	.44	.031	.080
550-560	167.64-170.69	.19	.011	.030
560-570	170.69-173.74	.32	.003	.054
570-580	173.74-176.78	.11	.013	
580-590	176.78-179.83	.14	.008	
590-600	179.83-182.88	.14	.021	.045
600-610	182.88-185.93	.09	.006	
610-620	185.93-188.98	.17	.006	
620-630	188.98-192.02	.18	.012	.036
630-640	192.02-195.07	.32	.033	.033
640-650	195.07-198.12	.21	.024	.026
650-660	198.12-201.17	.16	.022	.023
660-670	201.17-204.22	.13	.093	.032
670-680	204.22-207.26	.18	.065	.032
680-690	207.26-210.31	.26	.018	.033
690-700	210.31-213.36	.46	.040	.067
700-710	213.36-216.41	.36	.014	.047

HIGHMONT OPERATING CORPORATION

HOLE 84-383

North 74566.94
East 109961.76
Elevation 5502.82

Azm. 003°
Dip. -44°

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
10-20	3.05-6.10	.04	.017	
20-30	6.10-9.14	.20	.016	.029
30-40	9.14-12.19	.14	.010	
40-50	12.19-15.24	.02	.015	
50-60	15.24-18.29	.03	.005	
60-70	18.29-21.34	.05	.005	
70-80	21.34-24.38	.01	.002	
80-90	24.38-27.43	.01	.003	
90-100	27.43-30.48	.08	.006	
100-110	30.48-33.53	.14	.016	.021
110-120	33.53-36.58	.11	.008	
120-130	36.58-39.62	.18	.010	.023
130-140	39.62-42.67	.06	.004	
140-150	42.67-45.72	.09	.011	
150-160	45.72-48.77	.07	.024	.021
160-170	48.77-51.82	.15	.013	
170-180	51.82-54.86	.08	.005	
180-190	54.86-57.91	.03	.008	
190-200	57.91-60.96	.03	.005	
200-210	60.96-64.01	.10	.005	
210-220	64.01-67.06	.13	.017	.024
220-230	67.06-70.10	.40	.013	.035
230-240	70.10-73.15	.52	.013	.025
240-250	73.15-76.20	.03	.007	
250-260	76.20-79.25	.08	.004	
260-270	79.25-82.30	.09	.004	
270-280	82.30-85.34	.07	.006	
280-290	85.34-88.39	.06	.005	
290-300	88.39-91.44	.11	.005	
300-310	91.44-94.49	.14	.004	
310-320	94.49-97.54	.36	.030	.058
320-330	97.54-100.58	.07	.002	
330-340	100.58-103.63	.14	.005	
340-350	103.63-106.68	.09	.004	
350-360	106.68-109.73	.06	.001	
360-370	109.73-112.78	.06	.004	
370-380	112.78-115.82	.20	.008	
380-390	115.82-118.87	.14	.003	
390-400	118.87-121.92	.13	.004	
400-410	121.92-124.97	.03	.001	
410-420	124.97-128.02	.04	.001	
420-430	128.02-131.06	.04	.002	

HOLE 84-383 (cont'd)

FOOTAGE	METERS	% CU	% MO	Ag Oz/Ton
430-440	131.06-134.11	.01	.001	
440-450	134.11-137.16	.01	.003	
450-460	137.16-140.21	.01	.003	
460-470	140.21-143.26	.01	.002	
470-480	143.26-146.30	.06	.007	
480-490	146.30-149.35	.04	.002	
490-500	149.35-152.40	.03	.003	
500-510	152.40-155.45	.04	.002	
510-520	155.45-158.50	.05	.002	
520-530	158.50-161.54	.04	.003	
530-540	161.54-164.59	.02	.002	
540-550	164.59-167.64	.02	.001	
550-560	167.64-170.69	.03	.003	
560-570	170.69-173.74	.02	.003	
570-580	173.74-176.78	.03	.005	
580-590	176.78-179.83	.03	.003	

HOLE 84-384

North 74,282.98
East 109,684.21

Azm. 159°
Dip. -46°

Elevation 5468.21

FOOTAGE	METERS	%CU	%MO	Ag Oz/Ton
30-40	9.14-12.19	.14	.005	
40-50	12.19-15.24	.20	.016	.017
50-60	15.24-18.29	.05	.004	
60-70	18.29-21.34	.06	.008	
70-80	21.34-24.38	.03	.004	
80-90	24.38-27.43	.06	.005	
90-100	27.43-30.48	.09	.004	
100-110	30.48-33.53	.10	.014	
110-120	33.53-36.58	.03	.002	
120-130	36.58-39.62	.05	.006	
130-140	29.62-42.67	.03	.008	
140-150	42.67-45.72	.02	.004	
150-160	45.72-48.77	.03	.009	
160-170	48.77-51.82	.04	.008	
170-180	51.82-54.86	.02	.005	
180-190	54.86-57.91	.13	.004	
190-200	57.91-60.96	.05	.011	
200-210	60.96-64.01	.05	.013	
210-220	64.01-67.06	.02	.002	
220-230	67.06-70.10	.05	.007	
230-240	70.10-73.15	.06	.006	
240-250	73.15-76.20	.04	.005	
250-260	76.20-79.25	.02	.005	
260-270	79.25-82.30	.06	.007	
270-280	82.30-85.34	.19	.016	.022
280-290	85.34-88.39	.43	.022	.052
290-300	88.39-91.44	.21	.012	.022
300-310	91.44-94.49	.05	.010	
310-320	94.49-97.54	.04	.003	
320-330	97.54-100.58	.04	.004	
330-340	100.58-103.63	.09	.006	
340-350	103.63-106.68	.09	.015	
350-360	106.68-109.73	.05	.024	
360-370	109.73-112.78	.05	.012	
370-380	112.78-115.82	.10	.010	
380-390	115.82-118.87	.04	.029	
390-400	118.87-121.92	.09	.018	
400-410	121.92-124.97	.13	.017	.022
410-420	124.97-128.02	.11	.017	
420-430	128.02-131.06	.05	.007	
430-440	131.06-134.11	.12	.005	
440-450	134.11-137.16	.25	.078	.034
450-460	137.16-140.21	.11	.160	.017
460-470	140.21-143.26	.08	.025	.013

HOLE 84-384 (continued)

FOOTAGE	METERS	%CU	%MO	Ag Oz/Ton
470-480	143.26-146.30	.12	.020	.013
480-490	146.30-149.35	.06	.010	
490-500	149.35-152.40	.06	.007	
500-510	152.40-155.45	.06	.008	
510-520	155.45-158.50	.13	.016	
520-530	158.50-161.54	.07	.006	
530-540	161.54-164.59	.14	.029	.024
540-550	164.59-167.64	.13	.104	.024
550-560	167.64-170.69	.11	.088	.024
560-570	170.69-173.74	.11	.005	
570-580	173.74-176.78	.12	.009	
580-590	176.78-179.83	.14	.011	
590-600	179.83-182.88	.06	.006	
600-610	182.88-185.93	.09	.006	
610-620	185.93-188.98	.08	.004	
620-630	188.98-192.02	.05	.002	
630-640	192.02-195.07	.03	.003	
640-650	195.07-198.12	.04	.006	
650-660	198.12-201.17	.07	.008	
660-670	210.17-204.22	.12	.010	
670-680	204.22-207.26	.08	.007	
680-690	207.26 210.31	.05	.006	
690-703	210.31-214.27	.06	.007	

APPENDIX II

DIAMOND DRILL LOG LEGEND

DRILL LOG LEGEND

FT. - Footage; core is logged and split in 10 foot intervals.

GRAPH - A graphic representation of the drill core, including

a) Rock Type - SK = Skeena Quartz Diorite, QFP = Bethsaida Quartz Feldspar Porphyry, BX = Breccia.

b) Alt - Alteration, which is described as being;

U = Unaltered, P = Propylitic, A = Argillic, K = Potassic, M = Phyllic (Sericite Rich), ⋙ = Highly Fractured, PIP = Intense Propylitic

\- Fracture Fillings

MAL = Malachite, LIM = Limonite, HEM = Hematite, Q = Quartz, BN = Bornite, CP = Chalcopyrite, CC = Chalcocite, MO = Molybdenite, TO = Tourmaline, CO_3 = Carbonate, PY = Pyrite, EP = Epidote, MU = Muscovite (Sericite), usually as selvages, CL = Chlorite, KF = Potassium Feldspar, BI = Secondary Biotite, CLAY = Clay, CARB = Calcite Veins, fractures, MAG = Magnetite.

\- Fracture Types

Joint Fracture

Minor Shear

Shear

Fault

c) Angle CA - Angle to Core Axis

\- Strucutral angles are measured from the core axis

FRACT - Fractures, an actual count of Cu (Copper), Mo (Molybdenite), and Qtz (Quartz) bearing strucutres over the 10 foot interval. UNMIN = Unmineralized.

\- RQD = Rock Quality Designation,
= No. of pieces of core in the interval which exceed 4 inches in length.

MINERALIZATION

\- A subjective estimate of mineralization, on a scale of 0 - 5. 0 is none or trace, 5 is high grade.
CP = Chalcopyrite, Mo = Molybdenite, Bo = Bornite

	-	M = Mode of occurence, such as D (Disseminated), Q (Quartz Vein), F (Fracture Filling), S (Shear or Fault Zone) A = Amount from 0 - 5.
ALTERATION	-	A subjective estimate of alteration, on a scale of 0 - 5. O is none or trace, 5 is the maximum encountered. Code is as under GRAPH
ROCK TYPE, NOTES		Visual Description
FT. BLOCK	- -	Footage Blocks Count of footage blocks placed by diamond drillers.
REC	- -	Recovery Expressed as a %
FT	-	Footage of interval being logged.
SAMPLE NUMBER		= Assay sample tag.
CU, MO, AG		= Copper, Molybdenum, Silver assay values as a %
Cu E		= Copper Equivalent values in % based on a complex formula.

MONT OPERATING CORPORATION   DDH # 84-380

ORTH 74148.99   ELEV 5530.77   AZIMUTH 161°   DIP -50   TESTS -50°@300', -50°@646'   CORE SIZE NC

DEPTH 650'   LOGGED P.F.   STARTED 19 JULY 8   COMPLETED 25 JU

	ALIZATION				ALTERATION																								
	Bn m	A	m	A	DESCRIPTION	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	BLOCK	REC	FT	SAMPLE NUMBER	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/T		CuE
																		OVERBURDEN	7		0								
		0			PINKISH SKEENA-WEATHER	2	0	0	0	1	2	0	0	1		2	3				10								
1	F	1			PROPYLITIC TO ARGILLIC, SURFACE WEATHERING MINOR MU	1	0	1	0	3	3	0	0	2	0	4	1	SKEENA, ABUNDANT SHEARING, FRACTURING, CLAY ALT. OF MAFICS & FELDSPARS, Mo IN FAULT ZONE, TRACE DISSEM. Mo, Cp. MAGNETITE DESTROYED IN SHEARS	16	94	20	4051	0.13 0.12	.12	.011 .010	.010	.020 .022		0.200
1	F	0			ARGILLIC TO PROP. DOWN HOLE. MINOR LIM. NOTE HEM. AFTER MAG. MINOR MU	1	0	1	0	3	3	0	0	2	0	1	0	SKEENA, FAULT 20.5-21.0 WITH HEMATITE, CHLORITIC & CLAY ALT. MINOR MU & KSPAR ON FRACTS.	26	92	30	4052	0.07		.012		.017		.174
1	Φ	1			ARGILLIC ALT. PERVASIVE. WITH POSSIBLE SEC. Bi AS BROWN COLOR. SOME MU & KSPAR, TO	1	1	1	0	3	2	0	1	1	1	0	0	SKEENA, MODERATELY FRACTURED. NOTE FRACTURE TOURMALINE.		88	40	4052	0.07		.012		.017		.174
		0			ARGILLIC ALT. MINOR KSPAR ALONG FRACT MINOR TO. HEM AFTER MAG.	1	0	1	0	3	1	0	1	1	1	0	0	SKEENA, MODERATE FRACT. TRACE MINERALIZATION, 1/2" CALCITE VN. WITH MO ON SHEARED WALL.	41 45	91	50	4053	0.08		.023		.019		.323
1		0			ARGILLIC WITH SOME PROP. AS ABOVE	1	0	0	0	3	2	0	1	1	1	0	0	SKEENA, LIGHT FRACT. TRACES MIN.	53	96	60	4053	0.08		.023		.019		.323
		0			PROPYLITIC TO ARGILLIC TRACES MU & KF	1	0	1	0	2	3	0	1	1	1	0	0	SKEENA NOTE COARSE Bi-CL. BOOKS. TRACE PY ON LATER FRACT.	63	99	70	4054	0.09 0.08	0.08	.004 .003	.003	.017 .017		.090

HIGHMONT OPERATING CORPORATION

DDH # 84-380

COLLAR: EAST 110270.09 NORTH 74148.99 ELEV 5530.77 AZIMUTH 161° DIP -50 TESTS -50°@300', -50°@646'

DEPTH 650' LOGGED P.F.

CORE SIZE NG STARTED 19 JULY 8 COMPLETED 25 JU

Ft	Rock Type	Alt	Graph notes (angle C.A.)	Cu	Mo	QTZ	W/MN	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
0–7	O																												
7–10	SK	P		0	0	0	0	5		0		0		0			PINKISH SKEENA - WEATHER	2	0	0	0	1	2	0	0	1		2	3
10–20	SK	P, A	20° MAL, 20° ON, 35°, 90° MO, 35°	2	6	0	>30	8	D	0	S#	1	F	1			PROPYLITIC TO ARGILLIC, SURFACE WEATHERING MINOR MU	1	0	1	0	3	3	0	0	2	0	4	1
20–30	SK	A, P	45°, 68°, 40, 15°, MO 30°	2	2	0	20	11	F	0	S#	1	F	0			ARGILLIC TO PROP. DOWN HOLE. MINOR LIM. NOTE HEM. AFTER MAG. MINOR MU	1	0	1	0	3	3	0	0	2	0	1	0
30–40	SK	A	20 QTZ, 50°, 80°, 80° MO	1	4	2	28	8	D	0	Q F	1	Q	1			ARGILLIC ALT. PERVASIVE. WITH POSSIBLE SEC. Bi AS BROWN COLOR. SOME MU & KSPAR, TO	1	1	1	0	3	2	0	1	1	1	0	0
40–50	SK	A	80°, 20 QTZ, 90 ON, 40 TO, MO, MO 70	0	4	0	21	10		0	S	1		0			ARGILLIC ALT. MINOR KSPAR ALONG FRACT MINOR TO. HEM AFTER MAG.	1	0	1	0	3	1	0	1	1	1	0	0
50–60	SK	A	MO 20, MO, HEM 60, MO 80	0	4	1	15	14		0	Q F S	1		0			ARGILLIC WITH SOME PROP. AS ABOVE	1	0	0	0	3	2	0	1	1	1	0	0
60–70	SK	P, A	MO 10°	0	2	0	18	16		0	F	0		0			PROPYLITIC TO ARGILLIC TRACES MU & KF	1	0	1	0	2	3	0	1	1	1	0	0

Ft	Rock Type, Notes	Core Block	REC	Sample Number	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/T	CuE %
0–7	OVERBURDEN	7								
10–20	SKEENA, ABUNDANT SHEARING, FRACTURING, CLAY ALT. OF MAFICS & FELDSPARS, Mo IN FAULT ZONE, TRACE DISSEM. Mo, Cp. MAGNETITE DESTROYED IN SHEARS	16	94	4051	0.13 0.12	.12	.011 .010	.010	.020 .022	0.200
20–30	SKEENA, FAULT 20.5–21.0 WITH HEMATITE, CHLORITIC & CLAY ALT. MINOR MU & KSPAR ON FRACTS.	26	92	4052	0.07		.012		.017	.174
30–40	SKEENA, MODERATELY FRACTURED. NOTE FRACTURE TOURMALINE.		88	4052	0.07		.012		.017	.174
40–50	SKEENA, MODERATE FRACT. TRACE MINERALIZATION, 1/2" CALCITE VN. WITH MO ON SHEARED WALL.	41, 45	91	4053	0.08		.023		.019	.323
50–60	SKEENA, LIGHT FRACT. TRACES MIN.	53	96	4053	0.08		.023		.019	.323
60–70	SKEENA NOTE COARSE Bi-CL. BOOKS. TRACE PY ON LATER FRACT.	63	99	4054	0.09 0.08	0.08	.004 .003	.003	.017 .017	.090

HIGHMONT OPERATING CORPORATION

DDH # 84-380

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ CORE SIZE ____

DEPTH ____ STARTED ____

LOGGED ____ COMPLETED ____

Ft	Graph: Rock Type	Graph: Alt	Graph: Angle CA	Fract: Cu	Fract: Mo	Fract: Qtz	Fract: (hairline)	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/t	CuE	CuE Mo+Cu
70–80	SK	A	30 HEM, MO 30, BN 35 QZ, 80 QZ	2	1	2	16	15	F	1	F	0	Q	1			ARGILLIC WITH SOME KSPAR + MU HEM. AFTER MAG	1	0	1	0	3	1	0	1	1	1	0	0	SKEENA, CLAY ALT, CORE RELATIVELY UNFRACTURED	73, 76	96	70, 80	4054	0.09		.004		.017		.090
80–90	SK	A	QZ 20, 30, MO BN, QZ 60	3	1	2	20	14		0	Q	0	Q F	1			ARGILLIC, INCREASED KSPAR, MINOR MU	2	0	1	0	3	1	0	0	1	1	0	0	SKEENA, CLAY ALT. OF FELDSPARS	86	98	90	4055	0.09		.009		.013		.159
90–100	SK	A	BN 15°, MO 30 TO	4	1	1	22	16		0	Q	0	F Q	1			AS ABOVE TO ON FRACT.	1	0	1	0	3	1	0	0	1	2	0	0	AS ABOVE	93, 96	100	100	4056	0.11		.012		.017		.213
100–110	SK	A	BN 15, MO 20, MO 75	2	2	2	30	12		0	Q	1	Q	1			AS ABOVE INCREASED KSPAR	2	0	1	0	3	1	0	0	1	1	0	0	SKEENA, MODERATE FRACT, WITH A SMALL FAULT, MO BEARING @ 107	106, 109	94	110	4057	0.10		.009		.015		.169
110–120	SK	A	2" QZ 45, 30 BN, 5 35, MO, MO 15 CP	4	4	2		6	F	0	S F D	1	Q F	1			ARGILLIC ALT, SOME KSPAR, VERY LITTLE MU HEM AFTER MAG	1	0	0	0	3	1	0	1	1	0	0	0	FRACTURED SKEENA WITH ONE MO MIN. FAULT. 6" WIDE.	113, 116, 118	98	120	4058	0.06		.010		.019		.141
120–130	SK	A, P	QZ MO 60°, 20°, BN 25°, QZ MO 40°, BN 25°	11	4	3		20	F	0	Q F	1	F Q	2			ARGILLIC WITH SOME KSPAR AND PROPYLITIC	2	0	0	0	2	2	0	2	1	1	0	0	UNFRACTURED SKEENA WITH A SET OF BN FRACTS. @ 20-25° TRACES TO, HEM. AFTER MAG.	126	97	130	4059	0.10		.018		.022		.278
130–140	SK	P, A	BN MO 30°, BN 20°, 70, MO 40, MO BN 20	6	5	1		10		0	F Q S	1	F Q	2			PROPYLITIC ALT TO 135 THEN KSPAR ALT - ARGILLIC	2	0	1	0	2	2	0	2	1	1	0	2	UNFRACT SKEENA WITH FAULT @ 138-139. PROPYLITIC ZONE HAS DISSEM MAG. WHICH IS ALT TO HEM IN ARG. ZONE.	136	93	140	4060	0.21		.035		.031		.612

HIGHMONT OPERATING CORPORATION

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COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Graph: Rock Type	Graph: Alt	Graph: Min.	Graph: Angle CA	Fract Cu	Fract Mo	Fract QTZ	Fract CO3	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Ft Block	Rec	Ft	Sample Number	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/T		CuE
140	SK	A P P A A A	BN PN BN MU BN	15° 60° 20° CO3 25° 25° 25° QZ	8	2	3	3	17		0	F Q	1	F Φ	2			PROPYLITIC TO ARGILLIC ALT. WITH KSPAR + MU UP TO 1" THICK	2	0	2	0	2	2	0	1	1	1	0	1	LIGHTLY FRACT SKEENA, CHLORITIC ZONE CONTAINS DISSEM MAG., ARGILLIC ZONE HEM AFTER MAG. NOTE IMPORTANT MU ALONG QTZ-BN VEINS	146	96	140	4061	0.23		.051		.038		.852
150	SK	A A A A A	MO AS BN BN	50 QZ MO BN 25 45	4	2	2	4	16		0	Q F	1	F	1			ARGILLIC ALT. PLUS IMPORTANT KSPAR ALT + MU SELVAGES	3	0	2	0	3	1	0	1	1	1	0	0	LIGHTLY FRACT SKEENA. 2" QTZ, MINOR MO @151.5 CO_3-MO SHEARING	156	96	150	4062	0.06		.035		.019		.463
160	SK	A A A A A A	BN QZ BN CP 2 BN BN	35 25 30 40 MO HEM 2 30 25 40	11	3	2	10	12	F	1	F	1	F Q	2			ARGILLIC ALT. SOME KSPAR + MU.	2	0	1	0	4	0	0	3	3	1	0	0	SHEARED SKEENA. ABUNDANT HEMATITIC SHEARING	166	96	160	4063	0.26		.015		.033		.401
170	SK	A A A A	MO MO HEM 50	50 MO 25 60 15 BN 25 BN	5	2	0	13	7		0	S	1	F	1			AS ABOVE	2	0	1	0	4	0	0	3	3	0	0	0	SHEARED SKEENA. LESS HEMATITIC SHEARING	176	90	170	4064	0.06		.019		.020		.188
180	SK	A A A A A A	MO QZ BN MO MO QZ	35 25 35 QZ 35 25 45	6	4	3	15	7	Q	0	Q S	2	F Φ	1°			ARGILLIC MINOR KSPAR, MU	1	0	1	0	4	0	0	3	3	1	0	0	SHEARED SKEENA. HEMATITIC SHEARING, SOME MO. HAIRLINE BN. 5" QTZ. VN WITH CP, BN, MO NOTE 2 DIRECTIONS BN. FRACT. INTERSECT	183 186	95	180	4065	0.10		.020		.022		.303
190	SK	A A A P P A	Q BN MO BN CP	20 15 20 50° 35°	8	1	0	15	13	F	1	F	1	F	1			ARGILLIC AND PROP. COARSE BI → CHL. BOOKS IN PROP. SECTION	1	0	1	0	2	2	0	3	2	0	0	1	SHEARED SKEENA, HEMATITE SHEARS + CO_3 HEMATITIC FAULT @ 193, 20° HAIRLINE BN PROPYLITIC ZONE IS WEAKLY MAGNETIC FROM DISS. MAG. AND IS UNFRACTURED	192 196	97	190	4066	.16 .16	.16	.016 .015	.016	.029		.312
200	SK	A A P P	BN MO BN BN MO	25 20 40 40	12	1	0	15	16	F	1	F	0	F	1			ARGILLIC + PROP AS ABOVE	1	0	1	0	2	2	1	3	1	1	0	1	FAIRLY MASSIVE SKEENA WITH CO_3 FRACTS AND SHEARS ALMOST ⊥ TO CORE. HAIRLINE MINERALIZATION.	204	98	200 210	4067	.10 .09	.10	.016 .016	.016			.252
210																																										

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COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: ALT	GRAPH: (minerals)	GRAPH: Angle CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	FRACT: CO3	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION: DESCRIPTION	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
210	SK	A A A P P P	BN BN MO MO BN BN	20 20 45 25 20 20	7	3	0	7	16		0	F D	1	F	1			ARGILLIC TO ~~ARG~~ PROPYLITIC ALT. WITH CL. AND MAG DISSEM. LARGE Bi → CHL. BOOKS	2	0	2	0	2	3	0	2	1	0	0	2
220	SK.	A A A A A	BN CP BN CP	20 35 TR Mo	3	3	0	>30	2	F	1	S F	1	F	1			ARGILLIC ALT. FAULT ZONE CLAYS, CHLORITE GOUGE	1	0	1	0	5	4	0	3	2	1	0	0
230	SK	A A A A A	MO BN HEM BN BN BN	30 20 30 30 20	6	2	1	15	6		0	Q	1	F Q	2			ARGILLIC ALT WITH SOME CHL. + HEM. SOME MU + KSPAR.	2	0	2	0	2	2	0	2	1	0	0	0
240	SK	A A P P		60	2	1	0	>30	1		0	S	1	F	1			ARGILLIC ALT WITH PROP. ALT. AFTER FAULT ZONE	1	0	1	0	4	3	0	3	2	1	0	1
250	SK	P P P P	BN QZ	50 BN	4	2	1	15	3		0	F	1	F	1			PROPYLITIC WITH SOME KSPAR. To	1	0	0	0	2	2	1	3	1	1	0	2
260	SK	P P P P	MO	45	0	1	1	>20	3		0	Q	1	F	0			PROPYLITIC ZONE WITH CO_2, HEM, Ep, CHLORITE SOME ARG. ALTERATION	0	0	0	0	2	3	2	2	3	2	0	1
270	SK	P P P	BN MO BN CO3 BN BN	20 20 50 10 20 10	6	1	0	15	13		0	F	1	F	1			PROP. WITH SOME KSPAR	1	0	0	0	2	3	1	2	1	1	0	2
280																														

Ft	ROCK TYPE NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG %	Mo %	Mo AVG %	Ag oz/T		CuE Mo+Cu
210	SKEENA RELATIVELY UNFRACTURED A FEW CLAY — CARB SHEARS WITH CHLORITE. HAIRLINE Bn, Mo, HEM.	214	96	210–220	4068	.15 .14	.15	.047 .047	.047	.034		.716
220	SKEENA, FAULT ZONE.	223	56	220–230	4069	.12 .13	.13	.026 .027	.027	.029		.425
230	FRACTURED SKEENA. ABUNDANT CO_3 SHEARS; HAIRLINE BN. WITH SOME MU, KF.	235	98	230–240	4070	.11 .11	.11	.015 .015	.015			.250
240	SKEENA, FAULT ZONE, HIGHLY FRACT. DISSEM MAG IN PROPYLITIC ZONE. TRACE Mo IN FAULT.	248	60	240–250	4071	.05 .05	.05	.005 .005	.005			.078
250	FRACTURED SKEENA. NOTE EPIDOTE. FINE CO_3 SHEARS. DISSEM. MAG.	253	88	250–260	4072	.03 .03	.03	.018 .020	.017			.223
260	HIGHLY FRACT SKEENA. NOTE Ep., HEM, WEAK MAG	262	83	260–270	4073	.03 .03	.03	.023 .024	.024			.288
270	WEAKLY FRACT SKEENA. DISS. MAG. Ep, CO_3 SHEARS, FRACTS CHLORITE ALT. OF Bi.	274	95	270–280	4074	.10 .10	.10	.014 .013	.014			.228

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COLLAR: EAST_____ NORTH_____ ELEV_____ AZIMUTH_____ DIP_____ TESTS_____ CORE SIZE_____

DEPTH_____ STARTED_____

LOGGED_____ COMPLETED_____

Ft	Graph: Rock Type	Graph: Alt	Graph: Min / Angle to CA	Fract: Cu	Fract: Mo	Fract: QTZ	RQD	Mineralization: Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Alteration: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/T	CuE
280–290	SK	P	BN 15, BN 80, BN 35, BN 30, CP 15, BN 02, CP 15	10	1	1	19	Q	1	D F	1	F Q	1			PROPYLITIC WITH SOME ARG ALT. OF FELD. MINOR KSPAR	1	0	0	0	2	3	2	2	1	1	0	3	SKEENA, LIGHT FRACT. HAIRLINE BN. NOTE EP, DISSEM MAG.	284	99	280 / 290	4075	.12 .12	.12	.014 .015	.015	.038	.259
290–300	SK	P	MO 02, BN 15, CP, MO 20	1	2	2	12	Q	0	Q	1	Q F	1			AS ABOVE	1	0	1	0	2	3	2	2	0	2	0	3	AS ABOVE WEAKER MIN. ONE MU VEIN. CO_3 FRACTS. WITH CL.	294	96	300	4076	.04 .04	.04	.011 .012	.012		.195
300–310	SK	P	MO 10, BN 20, CP 25, BN 30, BN 15	7	2	0	10	F	1	F	1	F	1			PROPYLITIC WITH SOME CLAY ALT OF FELD.	1	0	1	0	2	3	0	2	0	1	0	3	LIGHTLY FRACT SKEENA WITH A SET OF CARB. FRACTS. @ 30°. HAIRLINE MINERALIZATION. MAGNETIC CORE. MINOR MV MIN. FRACTS	301, 303, 306	97	310	11801	.18 .18	.18	.020 .020	.020	.038	.383
310–320	SK	P, P, A, A	BN, BN 30, BN 20, BN 30, BN 30 BN, MO	7	2	0	7	·	0	S	1	F	2			PROPYLITIC TO ARGILLIC @ 314' IMPORTANT MV FRACTS WITH BN.	1	0	2	0	3	2	0	3	2	1	0	1	SKEENA WITH MINERALIZED FAULT @ 320, MO. HEM ON SHEARS & DISS. AFTER MAG.	313, 317, 319	98	320	11802	.07 .08	.08	.005 .004	.005		.220
320–330	SK	A	BN 55, BN 20, MO 35, HEM 35	4	3	1	2		0	S Q	1	F D	1			ARGILLIC ALT. WITH MV FRACTS MINERALIZED	1	0	1	0	3	1	0	3	3	1	0	0	FRACTURED SKEENA, HEMATITIC FAULT 327-329. NOTE CO_3 FRACTS CUT MIN FRACTS	326, 329	83	330	11803	.21 .21	.21	.015 .014	.015	.043	.350
330–340	SK	A	CP BN 10, 5, BN 40, QZ BN 10, MO 20, MO 45	7	4	2	11	Q	1	Q F	2	Q F	2			ARGILLIC ALT WITH. MIN. MV FRACTS. SOME KSPAR	2	0	3	0	2	1	0	2	1	1	0	0	FRACT. SKEENA QTZ VEINS 1/4" + 1" @ 10° TO CORE AXIS WELL MINERALIZED	335	98	340	11804	.72 .70	.71	.076 .078	.077	.098	1.707
340–350		A, P	BN 20, MO BN 20 25, QZ MO 30, BN	9	2	1	17		0	Q F	2	Q F	2			ARGILLIC TO PROP @ 343	1	0	1	0	1	3	1	1	1	1	0	2	LIGHTLY FRACT SKEENA HAIRLINE BN, MO IN TWO DIFFERENT DIRECTIONS. 2" QTZ VN. MO, BN.	342	98	350	11805	.24 .24	.24	.092 .093	.093	.056	.356

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COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH: Min.	GRAPH: Angle CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	FRACT: (crossed out)	RQD	MINERALIZATION: Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG %	Mo %	Mo AVG %	Ag oz/t		Cu E Mo+Cu
350–360	SK	P P P P P P	BN Mo Cp BN BN Mo	20, 15, 20, 10, 45, 25 Cp	7	3	0		13	F	1	F	1	F	1			PROPYLITIC WITH CLAY ALT. FELD. & SOME KSPAR	2	0	0	0	2	2	1	1	1	1	0	2	SKEENA, LIGHTLY FRACT. HAIRLINE MIN., Mo, BN, Cp	352	98	350–360	11806	.13 .14	.14	.032 .032	.032	.029		.502
360–370	SK	P P P P P P	Mo BN Cp To	20, 25 QZ	2	2	1		21	Q	1	F	0	F	0			PROP. WITH MINOR CLAY ALT.	2	0	0	0	2	2	1	1	1	2	0	3	SKEENA, MASSIVE. NOTE QTZ, TO, Ep VEIN WITH MINOR Cp	366	99	370	11807	.06 .07	.07	.037 .036	.037	.023		.500
370–380	SK	P A A A	Mo S HEM	60, 25, S Mo	2	1	0		12	[illegible]	0	S	1	F	0			DOMINANTLY ARGILLIC ALT WITH KSPAR.	3	0	0	0	3	1	0	1	3	1	0	1	SKEENA Mo SHEAR ZONE 374.5-375 @ 60° HEMATITE RICH FAULT	376	90	380	11808	.06 .07	.07	.007 .006	.007			.118
380–390	SK	A A A A	S BN Mo, QZ BN, BN	25, 30	3	1	2		1		0	S Q	2	Q F	2			ARGILLIC WITH KSPAR & MU	1	0	1	0	3	1	0	3	3	0	0	0	ZONE 376-384 SOME Mo IN LOWER SECTIONS. ALSO BN IN QTZ. @ 383	384	75	390	11810	.17 .17	.17	.051 .052	.052	.038		.805
390–400	SK	P P P P	BN BN	40, 20, 45	2	0	0		11		0	D	0	F	1			PROPYLITIC WITH SOME ALMOST UNALTERED SECTIONS	1	0	1	0	2	3	1	2	1	0	0	3	LIGHTLY FRACT SKEENA FRESH,	394	97	400	11811	.11 .11	.11	.013 .013	.013			.225
400–410	SK	P	CO3 S, Mo S, Mo, BN, BN	45 5, 20 20 60, 40	4	2	0		9		0	S	1	S F D	2			PROPYLITIC WITH SOME KSPAR & IMPORTANT MU. 406-410	2	0	2	0	1	2	0	2	1	0	0	3	SKEENA, HIGHLY FRACT FROM 404-410 TRACE Mo IN FAULT @ 404 1/2" BN WITH MU @ 408 @ 60°	405	91	410	11813	.19 .20	.20	.013 .013	.013	.036		.315
410–420	SK	P P P	BN BN QZ CO3	25, 40, 45	4	0	1		10		0	0		F D	1			PROP. SOME KSPAR Ep	2	0	0	0	1	2	1	2	0	0	0	3	SKEENA, FRACTURED TO MASSIVE	414	98	420	11814	.16 .16	.16	.006 .005	.006			.197

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ____ DIP ____ TESTS ______ ______ CORE SIZE ____

DEPTH ______ ______ ______ STARTED ____

LOGGED ______ COMPLETED ____

Ft	GRAPH: Rock Type	Alt	Min.	Angle to CA	FRACT: Cu	Mo	QTZ	W/MIN	RQD	MINERALIZATION: Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A
420–430	SK	P. P. P. P. P.	BN BN MO BN MO	25 25 20 QZ 60	3	2	1		10		0	F Φ	2	F Φ	2		
430–440	SK	P. P. P. P. P.	CP MO MO CP	5 MO 50 QZ 75 55 40 45 30 10	6	4	2		6	Φ	2	Φ S	2	Φ F	2		
440–450	SK	P. P. P. P. P.	QZ BN MO CP MO BN CP	30 30 40 25	3	2	2		3	Φ F	2	Φ	2	F	1		
450–460	SK	P. P. P. P.	BN BN BN MO BN	20 15 25 45	5	1	0		13	·	0	F	1	F	1		
460–470	SK	A A A P. P.	HEM	20 MO	0	1	0		14		0	F	0	D	0		
470–480	SK	P. P. P. P.	BN MO BN	25 30 15 CP CP	4	2	1		9	F D	1	F	1	F	1		
480–490	SK	P. P. P. P.	BN BN MO BN	30 20 CP 20	5	2	0		9	F	0	F	1	F	1		

Ft	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
420–430	PROP. ALT. CHL. FRACTS WITH Ep.	1	0	0	0	1	3		2	1	0	0	3
430–440	PROPYLITIC ALT. WITH SOME ARG. ALT. MU +KSPAR	2	0	1	0	2	2	1	2	2	0	0	2
440–450	PROP. ALT WITH ARG. ALT, KF AND MU ASSOC. WITH MIN.	2	0	2	0	2	2	0	2	1	0	0	2
450–460	PROP. ALT WITH MINOR ARG. SOME MU + KSPAR.	2	0	1	0	2	2	1	2	0	1	0	3
460–470	ARGILLIC ALT ASSOCIATED WITH CO_3 AND HEM SHEARING	2	0	0	0	3	1	0	3	2	0	0	1
470–480	PROP. ALT. MINOR MU CHL. ALT OF Bi	1	0	1	0	1	2	0	2	1	0	0	3
480–490	PROP. ALT TO UNALT.	1	0	0	0	0	2	0	1	0	0	0	4

Ft	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG %	Mo %	Mo AVG %	Ag oz/T		CuE Mo+Cu
420–430	SKEENA, FAULT @ 429 @ 426 ½" QTZ. WITH BN, MO OTHERWISE A FEW HAIRLINE FRACT	424 427	96	420 430	11815	.05 .05	.05	.077 .079	.078	.017		1.05
430–440	FAULTED & FRACT. SKEENA. HEM. SHEARS TRACE MO IN FAULT @ 430.5 1" BARREN QTZ @ 431, HEM. 1" Cp, MO QTZ @ 10°	431 435 440	95	440	11816	.15 .16 .16 .17	.16	.029 .030 .029 .029	.029	.027		0.48
440–450	FRACTURED SKEENA. INCREASED MU 3/4" QTZ, Cp, MO	444 447	88	450	11817	.23 .24	.24	.027 .026	.027	.033		0.53
450–460	LIGHTLY FRACT SKEENA. Bi → CHLORITE.	454	95	460	11818	.13 .13	.13	.011 .011	.011	.032		0.22
460–470	ALTERED RELATIVELY UNFRACT SKEENA. HEM. AND CO_3 PREDOMINATES.	464	98	470	11819	.19 .19	.19	.020 .019	.019	.036		0.39
470–480	LIGHTLY FRACT SKEENA HEM, MO, QTZ @ 474	475 480	95	480	11820	.22 .22	.22	.019 .020	.019	.044		0.41
480–490	LIGHT FRACT. SKEENA FINE HAIRLINE WIDELY SPACED CHLORITIC FRACT.	486	97	490	11821	.14 .15 .14 .14	.14	.018 .018 .017 .017	~~.018~~ .017	.030		0.31

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COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Rock Type	Alt	Graph	Angle CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	Description	K F	B I	M U	P Y	Clay	C L	E P	Carb	Hem	T O	Lim	Mag	Rock Type, Notes	Rec	Sample Number	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/t	CuE Mo+Cu
490–500	SK	P P P P P P	BM, CP, CP, BN, BN	15, 20, mo 20, 20, 50, 20	7	1	0	8	F	1	F	1	F	1	PROPYLITIC K SPAR ALT FROM 499-500	1	0	0	0	1	3	0	2	0	0	0	3	SKEENA, BLOCKY FRACT HAIRLINE CL, MIN FRACT.	99	11822	.13 .14	.14	.016 .017	.016	.027	.292
500–510	SK	P P P P P	BN, mo, BN, MO BN, BN	20, 20 mo, 20, 55, 15	6	2	0	16		0	F	1	F	1	PROPYLITIC WITH ABUNDANT KSPAR 500-503	2	0	0	0	1	3	1	2	1	0	0	3	SKEENA, BLOCKY FRACT HAIRLINE MIN. FRACTS. CHLORITIC CROSS CUTTING CO_3 FRACTS @ 40°	99	11823	.14 .14	.14	.014 .014	.014	.027	.267
510–520	SK	A A A A	cp mo Bn	25, QZ, 25	2	2	2	4	Q	1	S Q	3	Q	2	INTENSE ARGILLIC ALT ASSOC. WITH HEM. FAULT ZONE & QTZ. VNS KSPAR + SER. ALT OF FELDSPARS → GREENISH	2	0	1	0	3	1	0	4	4	0	0	0	TWO QTZ. VEINS, 1/2" & 1" MIN. WITH Bn, cp, Mo, HEM. @ 515 515.5 - 518 HEMATITE RICH FAULT BRECCIA @ 30° SOME MO.	90	11824	.11 .11	.11	.052 .053	.052	.032	.746
520–530	SK	A A A A A	QZ, QZ, QZ, BN MO, CP, HEM	50, 15, 30, 30, 60	4	1	3	7	Q	1	Q D	2	Q D	1	ARGILLIC WITH SIGNIF. KSPAR. MINOR MU	2	0	1	0	3	1	0	2	2	0	0	0	SET OF 1/2-1" VUGGY QTZ. VEINS, ONLY MINOR MIN.	93	11825	.08 .08	.08	.013 .012	.012		.184
530–540	SK	A A A A	BN, BN MO, CO_3, CP	10, 30, 45, 45, 5, 20	5	2	0	11	F	1	F	1	F D	1	ARGILLIC SOME PROP. SIGNIF. KSPAR TR. MU	2	0	1	0	2	2	1	3	2	1	0	1	HEMATITIC SHEARS @ 30° CROSS CUTTING CO_3 VEINS + SHEARS @ 45°	93	11826	.09 .09	.09	.011 .011	.011		.182
540–550	SK	P P P P	BN, BN, BN MO CP	25, 25, 25, 25	6	1	2	18	Q	1	Q	1	D Q F	1	PROPYLITIC WITH QTZ VEINS, KSPAR ALT.	2	0	2	0	1	3	1	2	1	1	0	1	UNFRACTURED OR LIGHTLY FRACT SKEENA. CHLORITIC MIN. FRACT 1/2" + 4" QTZ. @ 25° SPARSELY MIN. BN CP MO	95	11827	.10 .10	.10	.008 .007	.008		.158
550–560		K K K K K	CO_3, BN MO, BN, MO, CO_3	60, 70, 10, 60, 25, 20, 70	3	2	0	14	D F	1	F	1	D F	1	POTASSIC ALT. WITH SOME ARG. ALT.	4	0	0	0	1	1	0	3	2	0	0	0	SKEENA, ORANGE COLOR FROM KSPAR FLOODING. ABUNDANT LATER CO_3 SHEARS + FRACT CUT HEMATITE FRACTS + SHEARS. FINE DISSEM BN.	98	11828	.07 .07	.07	.005 .005	.005		.098

HIGHMONT OPERATING CORPORATION

DDH # 84- 380

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ____ DIP ____ TESTS ______ ______ CORE SIZE ____

DEPTH ______ ______ STARTED ____

LOGGED ______ COMPLETED ____

Ft	Graph: Rock Type	Graph: Alt	Graph: Min.	Graph: Angle	Fract: Cu	Fract: Mo	Fract: Qtz	Fract: Unmin	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg %	Mo %	Mo Avg %	Ag oz/T		CuE MoTCu
560	SK	K, A	Bn, Mo, Cp	30, 20, 60, 45, Mo, 30, 30	3	4	1		4	F	1	Q S F	3	Q F	2			POTASSIC ALT TO 562. THEN INTENSE ARG. ALT. ASSOC. WITH MINERALIZED FAULT.	3	0	1	0	5	1	0	3	2	0	0	0	INTENSELY FRACTURED, FAULTED SKEENA. HEM, MO IN FAULT. 563 - QTZ WITH BN, MO 3"	565	93	560–570	11829	.13 .13	.13	.008 .007	.008			.187
570	SK	A, P	Bn, Mo	65, 60, 15, 40, 60	2	2	1		14	F	0	Q S	2	Q F	2			ARGILLIC ALT NEAR FAULTS OTHERWISE PROPYLITIC	1	0	0	0	2	2	0	2	2	0	0	2	FAULTED SKEENA. 570.5 2" QTZ, BN, MO 570.5-572 MO RICH FAULT WITH HEM @ 60°	572	90	570–582	11830	.11 .11	.11	.030 .031	.030	.026		.459
580	SK	A, P	Cp, Bn, Mo	25, Bn, 20, 30, 45, 15, 35, 35	10	2	1		11	F	1	S F	1	F	2			ARGILLIC TO 585 PROPYLITIC 585-590	2	0	0	0	2	2	0	3	2	1	0	2	FRACTURED SKEENA HEMATITIC SHEARING AND CO_3 SHEARING.	582, 586	92	583–590	11831	.21 .21	.21	.011 .011	.011	.036		.302
590	SK	P	Mo, Bn	50, 40, 30, 92, 25	5	4	2		15		0	Q F	1	Q F	1			PROPYLITIC, MINOR ARG. NOTE SPECULARITE	1	0	2	0	1	2	1	1	2	1	0	2	SKEENA, LIGHT FRACT. 592 MO, BN, EP, SPECULAR HEMATITE, MINOR QTZ, MU ENVELOPE 1"	596	98	590–600	11832	.10 .10	.10	.018 .018	.018			.278
600	SK (2" APLITE 40°)	P	Bn, Cp, HE	35, 20 Mo, 40, 30 Bn, 45	6	1	1		16	F Q	1	F	1	F Q D	1			PROP. ALT. MINOR KF, SOME MU ENVELOPES	1	0	2	0	1	3	1	1	2	0	0	2	SKEENA, LIGHTLY FRACT. NOTE 2" PINK APLITE @ 605 MINOR DISSEM BN COMPETENT HEMATITIC SHEAR ZONE 609-610	600	98	600–610	11833	.14 .15 .15 .16	.15	.009 .008 .007 .008	.008			.197
610	SK	P	HEM, Bn, Cp	30°, 5°, 10, 5, 40	6	2	1		13	F	1	F	1	Q F	1			PROP. ALT AS ABOVE INCREASED TO SOME CLAY ALT	1	0	1	0	2	2	0	1	0	2	0	2	SKEENA. FAULT @ 611 1/4" QTZ, BN @ 603 1" TO @ 616.5 30°	616	99	610–620	11834	.10 .10	.10	.015 .015	.015			.240
620	SK	P	Mo, Cp, Bn	25, 35, 25, 50, 20, 30, 40, 25, 15, 45	11	1	4		17	Q F	1	Q	1	Q F	2			AS ABOVE NO TO MINOR MU ENVELOPES	1	0	1	0	2	2	0	2	0	0	0	2	NOTE INCREASING QTZ. SELVAGES WITH BN, CP, SOME MO ALSO DIFFERENT CORE ANGLES. ANGLES BECOMING BETTER DOWN HOLE.	624	99	620–630	11835	.16 .16	.16	.009 .007	.008			.217
630																																										

HIGHMONT OPERATING CORPORATION

DDH # 84-380

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH	Angle C/A	FRACT: Cu	FRACT: Mo	FRACT: QTZ	FRACT: W/MIN	FRACT: RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION: DESCRIPTION	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG %	Mo %	Mo AVG %			CuE Mo+Cu
630–640	SK	P	Cp, BN, Cp, BN, HEM	40 HEM, 5, 25, 30, 60?	8	0	1		7	F	1		0	F Q	1			PROPYLITIC WITH ARGILLIC ALT. ASSOC. WITH FAULTS MINOR KF, MU SELVAGES	1	0	1	0	2	2	0	3	3	0	0	1	FAULTED SKARN. NO Mo SEEN IN FAULTS. TWO HEMATITIC FAULT ZONES @ 40° & 60°	632–640	90	630–640	11836	.12 .13	.12	.003 .003	.003			.129
640–650		P	BN, BN, MO, CP, BN, BN	15, 10, 35, 30, 25, 10	7	1	0		19	F	0	F	0	F	1			WEAK PROP. ALT, MINOR KF & MU SELVAGES.	1	0	1	0	1	3	0	3	1	0	0	2		640–650	99	640–650	11837	.10 .10	.10	.009 .010	.010			.180

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HIGHMONT OPERATING CORPORATION

DDH # 84-381

COLLAR: EAST 108976.17 NORTH 74514.82 ELEV 5405.64 AZIMUTH 162° DIP -49° TESTS -49° @ 340' / -49° @ 650' CORE SIZE NQ

DEPTH 716 LOGGED P.F. STARTED 26 JULY COMPLETED AUG

Ft	GRAPH Rock Type	GRAPH Alt	Angle to CA	FRACT Cu	FRACT Mo	FRACT QTZ	FRACT Unmin	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A
30–40	O (overburden)															
40–50	SK	P, A (Mo, Mo cp, APLITE)	? 20 cp, cp, 50	2	2	0		3	F D	1	S	3	F	0		
50–60	SK	P (HEM)	50 FRACT SET, ?	0	0	0		2		0		0		0		
60–70	SK	P	50, 25 cp, 55, CO_3, 60?	2	0	0		4	F	1		0		0		
70–80	SK	P (cp, Mo)	40, 40 Mo, 25, 20, 15, 25	6	1	0		8	F	1	F D	1		0		
80–90	SK	P (py, cp)	15, 55 QZ, 20, 25	3	0	2		11	F	1		0		0		
90–100	SK	P (cp)	10 QZ	1	0	1		12	Q	1		0		0		

Ft	ALTERATION Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
30–40													
40–50	PROPYLITIC ALT. WITH ARG. ALT. FROM 43-47. POSSIBLY SOME SEC. Bi	0	1	0	0	2	3	0	3	3	0	2	0
50–60	PROPYLITIC ALT. CHL., EP, CO_3, HEM.	0	0	0	0	1	3	3	3	2	0	1	3
60–70	PROP. ALT. INTENSE CALCAREOUS ALT. → FRACT.	0	0	1	1	2	2	0	5	2	0	0	1
70–80	PROPYLITIC ALT. MINOR CLAY ALT. SOME MU SELVAGES	1	0	2	1	1	3	2	2	1	0	0	3
80–90	WEAK PROP. ALT.	0	0	0	1	1	2	2	1	0	0	0	4
90–100	WEAK. PROP. ALT.	0	0	0	0	0	1	1	1	0	0	0	4

Ft	ROCK TYPE, NOTES	From	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/T		CuE Mo+Cu
30–40	OVERBURDEN.	35		30, 35	11838	.03 / .03	.03		.002			.034
40–50	HIGHLY FRACT. SKEENA. WITH Mo BEARING FAULTS @ 43 + 46. 4" APLITE WITH Cp ON FRACT @ 47.	46	88	40	11839	.08 / .08	.08	.076 / .074	.075	.023		1.041
50–60	HIGHLY FRACT SKEENA. FAULT, UNKNOWN CORE ANGLE 58-60 HEM.	56	80	50	11840	.02 / .02	.02	.003 / .003	.003			.035
60–70	HIGHLY FRACT SKEENA WITH FAULT FROM 66-70 UNKNOWN ORIENTATION. NOTE BLUE FILM ON FRACTURES. TRACES Py, Cp ON FRACT.	66, 68	70	60	11841	.02 / .02	.02	.002 / .002	.002			.026
70–80	MODERATELY FRACT SKEENA. MINERALIZATION ON HAIRLINE FRACT. ONE SET OF MU FRACTURES.	76	87	70	11842	.07 / .07	.07	.004 / .004	.004			.089
80–90	LIGHTLY FRACT SKEENA. ESSENTIALLY UNALTERED, WEAK FRACTURE Py, Cp MIN. NOTE MORE THAN ONE MIN. FRACT SET.	84	98	80	11843	.04 / .04	.04	.005 / .004	.004			.060
90–100	LIGHT FRACT SKEENA. ONE ¼" QZ MIN. VEIN.	91, 96	95	90, 100	11844	.07 / .08	.08	.009 / .008	.008			.149

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HIGHMONT OPERATING CORPORATION

DDH # 84 - 381 —

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______

DEPTH ______ ______ ______

CORE SIZE NQ — STARTED ______ — LOGGED ______ — COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH: Minerals	GRAPH: Angle to CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	FRACT: (crossed out)	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A
100–110	SK	P U P U P	Cp	30	2	0	0		12	F	0		0		0		
110–120	SK	P U P U P.	Py Cp, Py Cp, Ep Cp	30, 20 MU, 60, 25	3	0	1		2	F	1		0		0		
120–130	SK	U P U P U	Cp Qz	5, 60	1	0	3		11	F	0		0		0		
130–140	SK	P. P. P	Ep, Mo, Cp, Py Cp	50 Mo, 50, 20 Mo, 25, 15 Cp	3	4	1		4	FQ	1	S	1		0		
140–150	SK	P P P P	Cp, Cp, Cp, Cp, Mo	15, 10, 20, 45, 50, 90	5	2	1		2	F	1	Q	1		.		
150–160	FAULT ZONE	A A A A	Mo, Mo	50	0	?	0		2		0	S	3	D	1		
160–170	SK	M M M M	Hem, Cp, Cp, Cp, Mu	45, 5, 0	3	1	0		5	F	3	D	1		0		

Ft	ALTERATION DESCRIPTION	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
100–110	WEAK PROP. TO UNALTERED ROCK.	0	0	0	1	0	1	1	1	0	0	0	4
110–120	AS ABOVE	0	0	1	1	0	1	1	2	0	0	0	4
120–130	UNALT TO PROP. ALT.	1	0	0	0	1	1	0	1	0	0	0	4
130–140	PROPYLITIC ALT. WITH SOME MU, CLAY + KF.	1	0	1	1	1	2	1	2	0	0	0	2
140–150	PROPYLITIC ALT. WITH IMPORTANT KF, CLAY, MU SALVAGES	2	0	2	0	2	2	1	2	1	1	0	2
150–160	INTENSE ARG. ALT. ASSOC. WITH MAJOR MINERALIZED FAULT ZONE	3	0	3	0	4	1	0	4	1	0	0	0
160–170	PHYLLIC ALT. PERVASIVE SERICITE, SOME CLAY + KF.	2	0	5	0	2	1	0	4	2	0	0	0

Ft	ROCK TYPE, NOTES	FT BLOCK	REC	FT	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/T	CuE Cu+Mo
100–110	SLIGHTLY FRACT. PRIMARY DISSEM. MAG. NOTE 1/4" WEAKLY ALT. HORNBLENDE CRYSTALS, SMALLER SLIGHTLY CHLORITIC Bi.	104	99	100	11845	.02 .02	.02	.004 .003	.004		.093
110–120	AS ABOVE. ONE MU SALVAGE, Py, Cp. TRACE QTZ.	113, 119	98	110	11846	.04 .03 .04 .04	.04	.004 .004 .006 .006	.005		.079
120–130	AS ABOVE, NO MU. TRACES KF	122, 126, 128	98	120	11847	.08 .09	.08	.008 .008	.008		.148
130–140	MODERATELY FRACTURED SKEENA. INCREASING MU SALVAGES, Mo ON SHEAR PLANES. DECREASED MAG. WITH INCREASING ALT.		90	130	11848	.25 .24	.24	.015 .014	.014	.025	.368
140–150	HIGHLY FRACT. SKEENA. NOTE TOURMALINE. Cp MIN. ON MU SALVAGES. 2" QTZ. Mo @ 50°–90°	141, 146	85	140	11849	.07 .07	.07	.007 .005	.006		.108
150–160	8' FAULT ZONE POSSIBLY @ 50° CARRIES Mo. MU AS FINE GREENISH SERICITE. TRACES DISSEM BN.	156, 158	30	150	11850	.10 .10	.10	.031 .031	.031	.019	.449
160–170	MINERALIZATION APPEARS TO BE // CORE. ABUNDANT SERICITE AS GREEN FELDSPAR ALT + MU SALVAGES.	161, 165, 169	92	160, 170	21251	.18 .18	.18	.016 .017	.016	.026	.332

HIGHMONT OPERATING CORPORATION

DDH # 84-381

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	Graph: Rock Type	Graph: Alt	Graph: Min	Angle CA	Fract Cu	Fract Mo	Fract Qtz	Fract Unmin	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
170	SK	M M M M M M	Cp Cp Mo Qz Cp	10 20 70 10 Mo 25 10	6	A	1		4	D F	3	S	3		0			PHYLLIC ALT. ABUNDANT MU SOME CLAY + KSPAR	2	0	5	0	2	1	0	3	2	0	0	0
180	SK	M M M M	Cp Cp Bn Cp Cp Bn	35 70 15 45 65 Cp	5	0	1		3	F Q	1	D	0	F	1			WEAKER PHYLLIC ALT PERHAPS INC. IN QTZ GRAIN SIZE. SOME KF + CHLORITE + CLAY	2	0	4	0	2	1	0	3	2	0	0	0
190	SK	M M P P	Bn Bn Mo Cp Qtz	25 QZ 20 QZ	2	1	2		5	Q	1	Q D	1	Q D	1			PHYLLIC TO PROPYLITIC ALT. WITH KSPAR. ALT. AND SOME CLAY	2	0	3	0	2	1	1	2	1	0	0	1
200	SK	P P P	Cp Bn Cp Cp	20 MV 25 20	4	0	1		6	F Q	1		0	F D	0			PROPYLITIC MV SALVAGE SOME KF + CLAY	1	0	1	0	1	2	1	2	2	1	0	3
210	SK	P U P U P	Cp Bn Cp	20 10	2	0	0		13	F	0		0	F	0			PROPYLITIC TO UNALT.	1	0	0	0	0	1	1	1	0	1	0	4
220	SK	P P P	Cp Qz Cp Mo	25 ½" 30 35	6	1	1		8	F Q	1	Q	1		0			PROPYLITIC ALT. SOME K SPAR. TRACES MU	2	0	1	0	1	2	0	2	1	0	0	3
230		P U P P	Cp Cp Cp Cp Bn Cp	Cp 20 30 20 35 20 Cp 20	10	1	0		15	F	2	F P	1	F	0			PROP. ALT. AS ABOVE SLIGHT INC. IN MU.	2	0	1	0	1	2	1	2	0	0	0	4

Ft	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	Ag oz/T		CuE
170	INTENSELY ALT. SHEARED SKEENA MINERALIZATION AT A POOR ANGLE. WITH MU 175-176 MO RICH FAULT @ 10° 1" MO + GOUGE		85	170-180	21252	.39 .39	.39	.065 .066	.066	.037		1.23
180	LESS INTENSE ALT. MIN. WITH MU SALVAGES. ALSO GREEN MU ALT OF FELD. HEM WITH MU SALVAGE.	181 189	90	180-190	21253	.32 .32	.32	.012 .011	.012	.039		.425
190	FRACTURED SKEENA ½" MIN QTZ @ 192 DECREASING MIN DOWNWARD.	199	93	190-200	21254	.16 .16	.16	.021 .022	.022	.026		.389
200	SKEENA. 2" MU SALVAGE WITH Cp @ 201	202 210	90	200-210	21255	.23 .23	.23	.004 .005	.004			.298
210	LIGHTLY FRACT SKEENA HAIRLINE MIN. FRACTS. ESSENTIALLY UNMINERALIZED	216	99	210-220	21256	.09 .09	.04	.003 .003	.003			.051
220	LIGHTLY FRACT SKEENA. WEAKLY MIN ALONG HAIRLINE FRACT. ½" QTZ, Mo, Cp. @ 30°	223 225	93	220-230	21257	.06 .06	.06	.016 .017	.017			.225
230	LIGHT FRACT SKEENA MIN. ALONG HAIRLINE FRACT	236	98	230-240	27258	.10 .10	.10	.004 .005	.005			.120

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HIGHMONT OPERATING CORPORATION

DDH # 84-381

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Rock Type	Alt	Graph	Angle CA	Fract Cu	Fract Mo	Fract Qtz	Fract Mv	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A	Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Fr Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t		CuE
240–250	SK	P, A	cp, cp, qtz, mo, mo, cp	15, 35, 25, 40, 10, 20	8	2	1		6	φ F	2	φ S	1	0				WEAK PROP. ALT GRADING RAPIDLY TO ARGILLIC ALT WITH KSPAR AND MV	3	0	2	0	3	2	0	2	1	0	0	1	HIGHLY FRACT SKEENA. 2" QTZ, Mo, Cp @ 244, 25° ½" MV SALVAGE, 2-3" KSPAR IN WALLS. POSSIBLY SERICITIC ALT OF FELDSPARS	245, 250	90	240, 250	21259	.20, .22, .22, .20	.21	.031, .032, .027, .028	.030	.023		.546
250–260	SK	P	cp, cp Bn, cp	30, 15, φ, 40, cp	7	1	1		13	φ F	1	φ	1	φ	1			PROP. ALT WITH SOME KSPAR, MV SELVAGES.	2	0	1	0	1	2	1	1	1	0	0	3	LIGHTLY FRACT SKEENA. ¾" QTZ CP, BN, MO @ 251, 30°	260	96	260	21260	.20, .20	.20	.028, .029	.027	.029		.522
260–270	SK	P	cp, cp, Ep, Bn, Bn	10, 10, 20, 40, 10, 20	5	0	0		16	F	1		0	F	1			WEAKLY ALT ROCK. SOME GREEN ALTERED FELD., MINOR KF.	1	0	0	0	1	2	1	1	0	0	0	3	LIGHTLY FRACT. SKEENA. HAIRLINE FRACT. MIN., WEAKLY MINERALIZED.	266, 270	93	270	21261 *	.08, .08, .09, .09	.08	.003, .004, .003, .003	.004			.099
270–280	SK	P	cp, cp, mo, Bn	20, 10, 25, cp, mo, 15	6	2	0		9	S F	1	S F	1	F	1			PROP. ALT WITH SOME KSPAR + MV SELVAGES. MINOR TO ON FRACT.	2	0	1	0	2	2	0	2	1	1		3	MODERATELY FRACT SKEENA. 277' Cu, Mo MINERALIZED FAULT @ UNKNOWN ANGLE	273, 278	81	280	21262	.34, .34	.34	.016, .017	.017	.043		.507
280–290	SK	P	cp, mo, mo, cp, cp	40, 20, 20, 30, 20, 20	12	4	1		13	φ F	2	φ F	2	F	1			AS ABOVE INCREASED MV SELVAGES	2	0	2	0	2	2	0	1	1	0	0	3	LIGHTLY FRACT SKEENA. 283' 1" QTZ, Cp, Mo 1" MV ENVELOPE EACH WALL, ALSO CO_3.	286	94	290	21263	.39, .39	.39	.039, .040	.040	.039		.862
290–300	SK	P, A	cp, cp, mo, Bn	15, 40, 25, cp	5	2	1		4	φ F D	2	φ S	1	φ F	1			PROPYLITIC AND ARGILLIC ALT WITH POSSIBLE FINE SERICITIC ALT. OF FELD. INCREASED HMM.	3	0	2	0	3	1	0	2	2	1	0	1	FRACTURED SKEENA. 295' ONE FOOT FAULT ZONE, 1" QTZ, Mo, Bn @ 40°. SOME DISSEM Cp.	291, 298	93	300	21264	.17, .17	.17	.008, .009	.009			.238
300–310	SK	A, P	Bn, cp, mo, cp, Bn	35, 40, 70, mo, 70, 30, 40, 45	9	3	1		7	F	1	S	1	F	1			ARGILLIC TO PHYLLIC ALT WITH PERVASIVE SERICITIZED FELDSPARS.	2	0	2	0	3	2	1	3	2	1	0	1	HIGHLY FRACT. SHEARED, ALTERED SKEENA. SMALL VUGGY QTZ. VEIN. 303-304 Mo MIN. FAULT @ 70°	303	93	310	21265	.17, .17	.17	.011, .012	.012			.273

HIGHMONT OPERATING CORPORATION

DDH # 84-381

COLLAR: EAST______ NORTH______ ELEV______ AZIMUTH______ DIP______ TESTS______ ______ CORE SIZE______

DEPTH______ ______ ______ STARTED______

LOGGED______ COMPLETED______

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH: Min	GRAPH: Angle CA	FRACT: Cu	FRACT: Mo	FRACT: Qtz	FRACT: [struck out]	FRACT: RQD	MINERALIZATION: Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	Lim	MAG	ROCK TYPE, NOTES	Block	Rec	Ft	Sample Number	Cu %		Mo %		Ag oz/t		CuE Cu+Mo
310	SK	P, P, P	Cp, Cp Bn, Mo, Cp Bn, Cp	20, 20, 20, 20, 15, 15	11	1	0		11	F D	2	F	1	F	1			WEAK PROP. ALT MINOR KF, MV	1	0	1	0	1	2	0	2	0	0	0	3	LIGHTLY FRACT SKEENA FRESH BIOTITE, NOT SECONDARY. THIN MIN. FRACTS SOME WITH THIN MV ENVELOPES.	313 / 319	99	310 / 320	21266	0.15		.014				.277
320	SK	P, P, P, P	Cp, Cp, Mo Bn, EP, Cp	20, 15, 20, Bn, 40, 20, Cp	10	2	2		10	F Φ	2	F	1	F Φ	1			PROPYLITIC ALT WITH SOME KSPAR. MINOR MV ENVELOPES	2	0	2	0	1	2	1	2	1	0	0	2	LIGHTLY FRACT SKEENA ½" QTZ. EP @ 40° 326' ½" QTZ, BnCp 20° 327'	329	99	330	21267	.25		.032		.030		.613
330	SK	P, P	Cp, Cp, Mo Bn, Bn Cp, Mo	10, 25, 15, Mo, 45	10	3	1		8	F D	2	Φ D F	2	F D	1			PROP. ALT WITH SMALL UNALT. SECTION MINOR KSPAR MV ENVELOPES ON MIN. FRACTS	1	0	2	0	1	2	1	1	1	0	0	2	MODERATELY FRACT SKEENA. 1" QTZ Mo 45° @ 338	334	96	340	21268	.23		.026		.030		.512
340	SK	P	Bn, Mo, Bn, Cp, Cp, Cp, Mo, Cp	20, 40, 20, Mo, 40, 40, 30	6	3	0		2	F D S	1	F	1	F D	1			PROP. ALT WITH KSPAR. INTENSE CLAY ALT 345-347	2	0	1	0	2	2	0	1	2	0	0	2	HIGHLY FRACT. Mo, HEM FAULT @ 40°	343 / 348	72	350	21269	.25		.022		.027		.480
350	SK / QFP	P, P / V	Mo, Cp Bn	Cp 70, 35, 45	5	1	0		10	F	1	S	1	F	0			AS ABOVE LESS CLAY. SLIGHT BLEACHING ALONG FRACTURES	1	0	1	0	1	2	0	1	0	0	0	1	MINOR Mo IN FAULT @ 356' 70° 355 QUARTZ FELDSPAR PORPHYRY 30% QTZ IN PHENOS UP TO 3/8" DIA	355	96	360	21270	.06		.005				.088
360	QFP	V, V			0	0	0		2		0		0		0			VERY WEAK ALT. SOME FELDSPARS BLEACHED WHITE.	0	0	0	0	1	1	0	0	0	0	0	0	30% FELD AS PHENOS UP TO ¼" DIA 40% FINE GRAINED GREY-GREEN MATRIX WITH MINOR BIOTITE. IRREGULAR CONTACTS	364	83	370	21271	.02		.005				.053
370	SK	P, P, A, P, P	Bn, Mo, Cp, Cp Bn, Mo	20, 35, 35, 30, 30, 40	14	4	0		3	F	2	F D	1	F	1			PROPYLITIC WITH KSPAR FLOODING. ARGILLIC ALT ASSOCIATED WITH FAULT.	3	0	2	0	2	2	1	3	2	0	0	1	FRACT. SKEENA. WELL MINERALIZED ON HAIRLINE MV FRACTS. SOME DISSEMINATION. 375' UNMIN. FAULT @ 90° 379 UNMIN FAULT @ 40	372	92	380	21272	.18		.029		.021		.501
380																																										

HIGHMONT OPERATING CORPORATION

DDH # 84-381

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ____ DIP ____ TESTS ______ ______ CORE SIZE ____

DEPTH ______ ______ ______ STARTED ____

LOGGED ______ COMPLETED ____

Ft	Graph: Rock Type	Graph: Alt	Graph: Min	Angle CA	Fract: Cu	Fract: Mo	Fract: Qtz	Fract: Unmin	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	Ag oz/t		Cu E Cu+Mo
380	SK	P K P K P K PK P	Cu Mo Mo Bn Mo Bn Mo Bn Bn	30 20 40 20 20 25 40	8	4	0		8	F	1	F S	2	F	2			PROP. ALT WITH K SPAR FLOODING SOME MU ENVELOPES	3	0	2	0	2	2	0	2	2	0	0	1	FRACTURED SKEENA. HAIRLINE MIN. @ INTERSECTING ANGLES. MO ON HEMATITE SHEARS.	385 386	97	380	21273	.14 .13	.14	.029 .029	.029	.020		.461
390	SK	P P P P	Cp Cp Cp QZ	15 35 35 5 40	9	0	1		16	F	1	F	1		0			WEAK. PROP ALT. MINOR KSPAR + MU SELVAGES	1	0	1	0	1	2	0	1	0	0	0	3	LIGHTLY FRACT SKEENA Cp ON HAIRLINE MU FRACTS & DRY FRACTS. 1/4" QTZ; Cp @ 40° @ 400'	396	99	390	21274	.11	-	.010				.190
400	SK	P P A	Cp Cp Mo	10 30 65 55	4	1	1		7	F	1	F	1	F	1			PROP. TO 404 404-410 INTENSE SHEARING CLAY ALT. POSSIBLY SERICITE ALT OF FELD.	1	0	1	0	3	3	0	2	3	0	0	1	SKEENA - FAULT ZONE. WITH INTENSE ALT. 4" QTZ, CARB. ON WALL OF FAULT ZONE @ 65° HEMATITE RICH. DISSEM. BN IN ALT. ZONE.	401 40[illegible]	80	400	21276	.07		.010				.151
410	SK	A A A P P	Cp Cp Cp Cp Cp	40 30 40 40 30 40	8	1	1		13	F	2	F	0		0			INTENSE ARGILLIC TO SERICITIC ALT. * MU ALT AS PERVASIVE GREEN FELD ALT.	1	0	*3	0	4	2	1	3	1	0	0	0	SKEENA WITH INTENSE ALT. ASSOC. WITH HEALED CALCAREOUS SHEARING. HAIRLINE FRACT Cp WITH MINOR MU, QTZ. SHEARING + CO_3 POST DATE MIN.	416	93	410	21277	.08		.021				.297
420	SK 2" APLITE SK	P P P P	Cp	5 Mo Cp Qz 35 Cp	2	1	1		15	D Q F	1	Q	1	Q	1			WEAK PROP. ALT WITH SOME FRESH BIOTITE.	1	0	0	0	1	1	2	2	0	0	0	3	SKEENA, SLIGHTLY FRACT. 3/4" QTZ, Cp, Mo @ 420 5° TO C.A. WEAKLY MIN. SECTION	421	99	420	21278	.06		.035				.463
430	SK	P V P V P	Mo Bn Cp	20 20 Cp Bn Qz	5	1	1		19	Q F	1	Q	0	Q	1			WEAK PROP. TO UNALTERED WITH FRESH Bi + DISSEM MAG.	1	0	0	0	1	1	1	1	0	0	0	3	LIGHTLY FRACT SKEENA. BEST MIN. ALMOST // TO CORE 435-438. IN 1/2" QTZ. VEIN.	432	99	430	21279	.16		.009				.228
440	SK	P P P P	Cp Bn	30 40 Qz 25 30 HEM	4	0	1		14	Q F	1		0	F	0			PROPYLITIC + K SPAR ALT. WITH SOME CLAY.	2	0	0	0	2	2	1	2	1	1	0	1	LIGHTLY FRACT. WITH WEAK MIN. BARREN QTZ @ 443', 40°	442	99	440 450	21280	.04		.005				.069
450																																										

HIGHMONT OPERATING CORPORATION

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ DDH # 84-381

CORE SIZE ______ DEPTH ______ STARTED ______ LOGGED ______ COMPLETED ______

Ft	Graph: Rock Type	Graph: Alt	Graph	Angle CA	Fract: Cu	Fract: Mo	Fract: Qtz	Fract: [illegible]	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Alteration: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Ft Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/T		CuEq Cu+Mo
450–460	SK	P V P V P V P	cp qz	5°	1	1	1		21	Q	1	Q	1		0			PROP. ALT WITH MINOR KSPAR. VERY WEAK ALT.	1	0	0	0	1	1	0	1	1	0	0	3	UNFRACTURED SKEENA. WEAK. MIN. IN 1/4" QTZ. VEIN ALMOST // CORE	-45[illegible]	98	450	21281	.04 .04	.04	.010 .009	.010			.122
460–470	SK	P V P [illegible]	cp Bn	5° 40 10	3	1	0		9	F	0	F	1	F	0			PROP. ALT WITH KSPAR IN FRACTURED ZONE.	2	0	0	0	1	1	2	1	1	1	0	2	UNFRACT. EXCEPT 468-470 CONTAINS MO ON FRACT. ALSO KSPAR ALT. SMALL FAULT. WEAK. MIN.	-462	95	460	21282	.05 .05	.05	.009 .009	.009			.120
470–480	SK	S P V P	mo cp mo mo mo	30 35 50	4	2	0		19	F	1	F Q	0	F	0			WEAK PROP. ALT TO UNALT. MINOR KSPAR	1	0	0	0	1	1	1	1	1	1	0	3	UNFRACT, WEAKLY MIN. SKEENA. HAIRLINE FRACT ALMOST // CORE AXIS.	470	95	470	21283	.06 .06	.06	.015 .014	.014			.188
480–490 (APLITE)	SK	P K P K P	cp mo CO3 mo	65 60	3	2	0		19	F	1	F	2	F	0			PROP. ALT WITH KSPAR ALT.	3	0	0	0	1	1	0	1 / 2	1	0	0	1	LIGHTLY FRACT SKEENA AND APLITE @ 60° MIN. ALMOST // CORE WITH KSPAR ENVELOPE. GIVES APPEARANCE OF MORE ALT. + MIN. THAN ACTUALLY PRESENT.	-481	98	480	21284	.06 .06	.06	.019 .98	.018			.238
490–500	SK	P P P	mo cp cp cp cp cp	10 30 35 15 30	7	1	0		21	F	1	F	1		0			PROP. ALT.	1	0	0	0	1	2	1	1	1	0	0	3	LIGHT FRACT.	-491	99	490	21285	.05 .05	.05	.025 .025	.025	.026		.320
500–510 (APLITE)	SK SK	P P P	cp cp cp CO3	cp 20 25 mo 15 50	7	2	0		16	F D	2	F D	1	F	1			PROP. ALT WITH INC. KSPAR ALT.	2	0	0	0	1	2	1	1	1	0	0	2	LIGHT FRACT CALCITE SHEARS @ 35° 3" APLITE @ 55° @ 505	-501	98	500	21286	.10 .10	.10	.011 .011	.011			.192
510–520	SK	P K K P P	cp mo bn cp mo	40 15 20 40	6	3	0		19	F D	1	F D	2	F	1			PROP. ALT. WITH INTENSE KSPAR ALT. 510-514 SOME CLAY, CO_3.	3	0	0	0	2	2	0	2	2	0	0	1	LIGHT FRACT. WITH SOME CALCITE SHEAR VEINS IN KSPAR RICH SECTION. NOTE SOME INTENSE PROP. ALT SECTIONS.	-515	98	510 / 520	21287	.11 .11	.11	.016 .017	.016			.262

HIGHMONT OPERATING CORPORATION

COLLAR: EAST_____ NORTH_____ ELEV_____ AZIMUTH_____ DIP_____ TESTS_____ _____

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DEPTH_____ _____ _____ CORE SIZE_____

LOGGED_____ _____ STARTED_____ COMPLETED_____

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH	Angle CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	FRACT	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A
520–530	SK	P I P I P P	Cp Mo, Cp Mo, Bn Cp	10, 20, 50, 10	8	2	1		18	F D	1	F D	1	F	1		
530–540	SK	P I P I P	Cp, Bn, Bn Mo	15, 20, 10, 50, HEM, 30	7	2	0		9	F D	1	F D	1	F D	1		
540–550	SK	P I P A A	Mo, Bn, Bn, Cp, Cp, Bn	10, 20, 25, 20, 25, 35	5	2	0		13	F D	1	S F	1	F D	1		
550–560	SK	A A P I P	Cp, Mo, Mo, Bn	10, 40, 10	2	2	0		13	F D	1	S F	1	F D	1		
560–570	SK	P P P	Bn, Bn, Cp, Bn Cp Cp	60, 25, 30, 15 Mo, 35, 5	9	1	0		16	F D	1	F	1	F D	2		
570–580	SK	P I P I P	S, Cp, Cp, Mo	30, 150, 35, MU, 35, 40	4	2	2		12	F D Q	2	S D F	1	F D Q	1		
580–590	SK	P P P	Cp, Mo, Bn, Cp, Mo Cp	QZ, 10, 30, 10, 35	6	2	0		18	F	1	F	0	F	0		

Ft	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
520–530	INTENSE PROPYLITIC ALT., WITH CLAY ALT + KSPAR. DIRTY GREEN. COLOR.	2	0	0	0	2	3	0	2	2	1	0	1
530–540	INTENSE GREENISH PROP. ALT. CLAY ALT OF CHLORITE POSSIBLY SERICITIC ~~ALT!~~	1	0	1	0	2	3	0	2	2	1	0	0
540–550	INTENSE PROP. ALT TO ARGILLIC @ 546. SOME KSPAR	1	0	1	0	4	2	0	3	2	1	0	0
550–560	ARGILLIC ALT TO INTENSE PROPYLITIC @ 554	1	0	1	0	2	2	0	3	2	0	0	0
560–570	DECREASING INTENSITY OF PROP. ALT. NOTE INCR. IN MU SELVAGES & BN.	2	0	2	0	1	2	0	1	1	0	0	2
570–580	INTENSE GREENISH PROP. ALT. SOME CLAY & MU SELVAGES	2	0	2	0	2	2	0	2	3	0	0	0
580–590	PROPYLITIC ALT WITH SOME KSPAR NO MU	1	0	0	0	0	2	1	1	1	0	0	2

Ft	ROCK TYPE, NOTES	Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/T		Cu Eq Mo+Cu
520–530	LIGHTLY FRACT. WITH CO_3 SHEAR VEINS. 526' 1" QTZ-CALCITE-HEMATITE VEIN @ 50°	-525	99	520	21288	.09 .08	.08	.010 .009	.010			.161
530–540	MODERATELY FRACT. ALT. SKEENA. SOME DISSEM BN, Mo, ALSO HAIRLINE FRACT. MIN. 537 HEMATITE RICH SMALL FAULT @ 50°	-532 -536	98	530	21289	.08 .09 .09 .08	.08	.009 .003 .004 .004	.004			.099
540–550	LIGHTLY FRACT SKEENA. INCREASED CARBONATE FRACT FILLINGS. MINOR MINERALIZATION ON HAIRLINE FRACTS AND DISSEM.	-546	99	540	21290	.08 .08	.08	.002 .002	.002			.081
550–560	LIGHTLY FRACT. WITH HEM ON FRACT. SOME DISSEM. MIN. AND DISSEM. HEMATITE. 550-552 CALCAREOUS, HEMATITIC FAULT ZONE COMPETENT ZONE. TRACE BN, Mo	-556	98	550	21291	.18 .18	.18	.021 .021	.021	.029		
560–570	LIGHTLY FRACT. SKEENA 560.5 1/2" BORNITE SOME DISSEM Cp., HAIRLINE MIN AND MIN. FRACTS WITH MU SELVAGES.	-564	99	560	21292	.22 .22	.22	.028 .028	.028	.032		
570–580	FAULTED SKEENA, SLIGHT FRACT. 571' 1" QTZ, Cp, BN @ 30° ASSOC. WITH HEMATITIC SHEAR 576. Cp ON HEM SHEAR	-572	98	570	21293	.19 .19	.19	.023 .023	.023	.021		
580–590	UNFRACT. SKEENA. WEAK HAIRLINE MIN.	-582	99	580	21294	.18 .18	.18	.018 .018	.018	.026		

590

HIGHMONT OPERATING CORPORATION

DDH # 84-381

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ____ DIP ____ TESTS ______ ______ CORE SIZE ____

DEPTH ______ ______ ______ STARTED ____

LOGGED ______ COMPLETED ____

Ft	GRAPH Rock Type	ALT	Angle CA	FRACT Cu	Mo	QTZ	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A	ALTERATION Description	K F	B I	M U	P Y	CLAY	C L	E P	CARB	H E M	T O	L I M	M A G
590–600	SK, QFP, QFP	P P P P P	35, 45 60	1	0		13	F	0		0		0			WEAK PROP. ALT. SOME CLAY	0	0	0	0	1	1	3	2	2	0	0	2
600–610	QFP	P P		0	0	0	18		0		0	D	0			AS ABOVE	0	0	0	0	1	1	1	2	1	0	0	2
610–620	SK, SK	P K P K	20 30 40, 15 35 60	6	2	0	12	F	1	S F	1	F	2			PROPYLITIC ALT WITH K SPAR ALT.	3	0	1	0	0	2	2	2	1	0	0	2
620–630	QFP, QFP, SK	P P	30 QZ	0	1	1	7	D	0	0	0	D	0			ESSANTIALLY UNALT. ---- SKEENA IS	0	0	0	0	0	1	1	1	0	0	0	3
630–640	SK, QFP, SK	P P	60, 25	2	2	1	5	F	0	Q F	1	F	1			PROP. ALT WITH KSPAR. ---- PROP → CLAY.	1	0	0	0	1	1	1	2	1	0	0	1
640–650	SK, QFP, SK	M K M K P	35 25, 25 35 25	8	1	0	13	D F	2	D F	1	D	1			PHYLLIC ALT. WITH K SPAR FLOODING PERVASIVE SERICITE. PROP. ALT @ 647.	3	0	3	0	2	1	1	3	2	0	0	1
650–660	SK, BX, BX, SK	P P P P	5 25	2	0	1	12	D F	1	D F	1	D	0			PROP. ALT SKEENA WITH A SECTION OF CHL.-HEM. BRECCIA HIGHLY ALT.	2	0	3	0	2	2	1	3	4	0	0	2

Ft	ROCK TYPE, NOTES	From Block	REC	To	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t		Cu Eq Cu+Mo
590–600	QUARTZ-FELD PORPHYRY WITH HEM.-EPIDOTE FRACTS @ 45° MINOR DISSEM MAG.	592	96	590–600	21295	.07 .07	.07	.010 .010	.010	.021		
600–610	AS ABOVE. A FEW SPECKS BN, CP.	609	96	610	21296	.01 .01 .01 .01	.01	.002 .002 .002 .002	.002			
610–620	MODERATE FRACT. SKEENA. EPIDOTE, CO_3 ON FRACTS. CONTACT @ 60°	619	98	620	21297	.14 .14	.14	.055 .056	.056	.035		
620–630	QUARTZ. FELD. PORPH AS 600-610 EXCEPT FOR A DARKER GREY MATRIX POSSIBLY FINE MAG. & BIOTITE		93	630	21298	.03 .03	.03	.009 .005	.005			
630–640	FRACTURED. FINER GRAINED GREY QFP WITH A VAGUE BRECCIA TEXTURE. MINOR DISSEM CP.	634	98	640	21299	.13 .12	.13	.015 .015	.015			
640–650	SKEENA WITH SMALL QFP FINE TO MEDIUM GRAINED FAULTED DYKE. WITH AN APLITE EDGE. @ 25°. CORE HAS FINELY SHEARED ASPECT WITH DISSEM. MIN.		96	650	21515 ~~212~~	.18 .18	.18	.021 .022	.021			.396
650–660	SKEENA. WITH BRECCIA. WITH A HEMATITE-CHLORITE MATRIX WITH COARSE COUNTRY ROCK VAGUELY OUTLINED FRAGMENTS 30% ? MATRIX. MINOR QTZ. ABUNDANT SERICITE - GREENISH ALTERATION. TRACE DISSEM CP + MO	652 / 660	95	660	21516	.14 .14	.14	.023 .023	.023			.382

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DDH # 84-381

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ ____ CORE SIZE ____

DEPTH ____ ____ ____ STARTED ____

LOGGED ____ COMPLETED ____

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH: Min	Angle CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A
660–670	SK, SK	P V P V P V	cp mo, cp, mo bn, cp	15, 15, 30	7	3	0	15	F	1	S F	1	F	1		
670–680	SK, 2" APLITE 20, SK, SK	P V P V P	Bn cp, Bn Bn cp	15	4	0	0	14	F	1		0	F	0		
680–690	SK	P P A A	cp m	15	4	3	0	4	F	1	F	2	F	0		
690–700	SK	A A A A	cp, Bn mo cp	20, 55, 25, 45, 30, 20	7	1	0	17	F D	2	S F	1	F D	1		
700–710	SK, 4" APLITE	P P P	cp Bn Bn	15, 15, 30, 20, 20, 15	4	0	0	16	F	1		0		0		
710–716	SK	P P P	cp, mo cp	25	2	1	0	9	F	1	F	0		0		

Ft	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Cu Eq Cu+Mo
660–670	WEAK PROPYLITIC ALT TO UNALTERED	1	0	0	0	0	1	1	1	0	0	0	3	SKEENA. WEAKLY MIN. IN DRY HAIRLINE FRACTS.	660	99	660–670	21517	.14 .14	.14	.019 .019	.019	.330
670–680	AS ABOVE	0	0	0	0	0	1	0	1	0	0	0	3	AS ABOVE. VERY WEAK MIN. UNFRACT.	674, 676	99	680	21518	.14 .15	.14	.025 .026	.026	.408
680–690	PROP. ALT TO 685. ARG. ALT WITH KSPAR FLOODING + CO_3 ALT.	3	0	0	0	3	2	1	3	1	0	0	1	SKEENA. HIGHLY FRACT IN ARGILLIC ZONE. ABUNDANT CO_3 FRACTS, SHEARS @ 55° WEAK. MIN. WITH FAIR Mo	681, 689	92	690	21519	.18 .18	.18	.036 .036	.036	.595
690–700	ARGILLIC ALT ABUNDANT KSPAR + MV.	4	0	2	0	4	1	0	4	1	1	0	0	LIGHTLY FRACT SKEENA. CO_3 ALT. ON FRACT + SHEARS 695 HEALED CALCAREOUS FAULT @ 55°	696	99	700	21520	.13 .13	.13	.013 .013	.013	.245
700–710	PROPYLITIC ALT SOME KSPAR	1	0	0	0	1	2	0	1	0	1	0	2	WEAKLY MIN SKEENA 709.5 4" APLITE @ 20°	704	96	710	21521	.10 .10	.10	.011 .011	.011	.192
710–716	AS ABOVE	0	0	0	0	0	2	0	1	0	0	0	2	ESSENTIALLY UNMINERALIZED	716	90	716	21522	.09 .09	.09	.013 .013	.013	.206
716														716 EOH.									

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HIGHMONT OPERATING CORPORATION

COLLAR: EAST 110885.4 NORTH 74247.3 ELEV 5624.3 AZIMUTH 162° DIP -47° DDH # 84-382 TESTS -46° @ 290' -47° @ 630' DEPTH 710 LOGGED

CORE SIZE N[illegible] STARTED 8 Aug COMPLETED 13 Aug

Ft	Graph: Rock Type	Graph: Alt	Graph: Angle CA	Fract: Cu	Fract: Mo	Fract: QTZ	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	MAL m	MAL A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t	CuEq
0–10																													OVERBURDEN.										
10–20	SK	P	50, 40 QTZ, 30, 40, 45, 20, 35, 20 (Q, BN, MAL, BN)	8	0	7	7	F	1		0	F Φ D	2	Φ F	1	PROPYLITIC ALT. WITH QTZ. VEINLETS, MU ENVELOPES, Ep. FRACTURES TOURMALINE.	1	0	3	0	1	1	2	1	0	2	1	3	FRACTURED SKEENA WITH MIN. ON MU FRACTURES, IN QTZ. VEINS WITH MU ENVELOPES AND ON DRY HAIRLINE FRACTURES. QUARTZ WITHOUT MU IS BARREN.	17	98	10	21401	.26 .26	.26	TR TR	TR		.254
20–30	SK	P	30, 5, 35, 80 (BN, Q BN, MAL, BN)	4	0	2	3		0		0	F Φ	1	Φ F	1	PROP. ALT WITH SOME INTENSE MU, CL, ALSO SEC. Bi ON FRACTS WITH CHLORITE	1	2	3	0	2	3	2	3	2	1	2	2	FRACT. SKEENA WITH WEAK MIN, MUCH LESS QTZ. AND MU SELVAGES. NOTE POSSIBLE SEC. Bi ALT.	28	81	20	21402	.14 .14	.14	.001 .001	.001		.140
30–40	SK	P, A	40 MAL, 20, 40 BN, 40, 40 BN CP (Q, Q, CP, Q, MAL, Q)	5	0	3	2	F	1		0	Φ F	2	Φ F	1	PROP. ALT TO ARG. AT 35 ft. PROMINENT QTZ. VEINING AND MU SELVAGES	1	0	2	0	3	3	1	3	2	0	4	1	INTENSELY FRACT SKEENA POSSIBLY ORE GRADE QTZ-MU RELATED BORNITE. FAIRLY GOOD INTERSECTION ANGLE ON MOST MIN. STRUCTURES.	38	70	30	21403	.25 .24	.24	.001 .001	.001	.045	.24
40–50	SK	A, P	10, 30, 15, 5, 20, 50, 40 (BN, CP, M, Q, M, Q, BN)	6	0	3	3	Φ F	1		0	Φ F	2	Φ F	1	PROPYLITIC ALT WITH QTZ VEINS, MU SELVAGES MINOR KSPAR	1	0	2	0	2	3	2	2	2	0	2	1	FRACTURED SKEENA NOTE APPEARANCE OF SPECULARITE 40 - FAULT ZONE UNKNOWN ANGLE POSSIBLY WEAK ORE GRADE MIN. ASSOC. WITH QTZ-MU	49	83	40	21404	.23 .23	.23	.002 .002	.002	.039	.231
50–60	SK	P	45, 30, 25 MAL, 30 MAL, 30, 45, 35 (MAL, Q, BN, Q, BN, BN)	10	0	5	3		0		0	Φ F	2	Φ F	1	AS ABOVE.	1	0	2	0	1	3	1	0	0	0	2	3	MODERATELY FRACT SKEENA QTZ VEIN - BORNITE MIN. 1/2" APLITE @ 40° @ 55.		90	50	21405	.28 .28	.28	.002 .002	.002	.047	.282
60–70		P	40, 55, 35 BN, 40, 25, 55 MO (BN, Q BN, Q, MAL, Q, MAL, Q)	7	1	5	1		0	S	1	Φ	1	Φ F	2	PROP. ALT.	1	0	1	0	1	3	0	2	2	1	2	2	INTENSELY FRACT SKEENA WEAKER MIN. NOTE PRESENCE OF Mo. 68' FAULT ZONE WITH MAL & MOLY OCHRE	64, 68	69	60	21406	.21 .21	.21	.001 .001	.001	.036	.21
70																																70							

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Rock Type	Alt	Graph	Angle	Cu	Mo	Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	MAL m	MAL A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t	CuEq Cu+Mo
70–80 (ARG/FLT 70°)	SK SK	Ø Ø Ø Ø Ø	MAL Φ Φ MAL	35 45 40 MAL 35 15 40	7	0	9	1		0		0	Φ	1	Φ F	2	ARGILLIC AND PROP. ALT. SOME SEC. BI? TOURMALINE	1	1?	2	0	3	2	1	3	2	1	2	0	FRACTURED SKEENA. LIMONITE AFTER BORNITE! 76' FAULT @ 45° NOTE: QTZ @ 30° CUT BY MU @ 35°, TOURMALINE @ 35. QTZ. ASSOC. WITH APLITE. NOTE: CHRYSOCOLLA	72 75 78	75	70 80	21407	.25 .25	.25	.002 .002	.002	.028	.252
80–90	SK	P P P P P	Φ Mo Bn Φ Bn Φ Cp	40 10 40 Φ 35 Bn 55	7	1	5	6	F	0	Φ	1	Φ	1	Φ F	1	PROPYLITIC ALT WITH FELDSPAR MORE OR LESS ALT. TO CLAY	0	1?	1	1	3	3	1	2	1	1	1	2	MODERATE FRACT SKEENA. SOME SEC BI? AS FINE GRAINED CLOTS WITH CHLORITE. WEAK MINERALIZATION.	81 88	98	90	21408	.10 .10	.10	.004 .004	.004		.118
90–100	SK	Mo P P P P	Φ Bn Φ Bn Φ Bn	Bn 30 25 45 Φ 20 25 30 35	10	2	9	6		0	Φ	1	Φ F	2		0	AS ABOVE CLAY ALT FELD. APPROACHES ARGILLIC ALT	0	1?	2	0	3	3	1	2	0	2	1	2	MODERATE FRACT SKEENA. SOME SEC BI? + TO	95 100	99	100	21409	.16 .16	.16	.023 .024	.024	.038	.415
100–110	SK	P P P P	Φ Bn	20	1	0	8	7		0		0	Φ	1	F	0	AS ABOVE INCREASED TO	0	1?	1	0	3	3	1	2	0	3	0	2	MOD. FRACT. ALMOST BARREN SEC BI? OR FINE GRAINED CLOTS OF CHLORITE	105	95	110	21410	.03 .03	.03	.002 .002	.002		.034
110–120	SK	QTZ TOURM	STOCKWORK	40	0	0	>10	8		0		0		0	F	1	PROP. ALT WITH CLAY ALT FELD. AND QTZ.-TOURMALINE STOCKWORK.	1	1	1	0	3	2	2	2	1	5	1	1	MOD. FRACT SKEENA WITH 15% QTZ. 5% TOURMALINE STOCKWORK. NO MINERALIZATION. NOTE MINOR SPECULARITE	115 120	95	120	21411	.02 .02	.02	.002 .002	.002		.026
120–130	SK	QTZ TOURM	MAL MAL STOCK W	35 45 25 25	3	0	>10	12		0		0		0	F	1	PROP ALT. WITH SOME KSPAR ALT. + MU ENVELOPES.	2	1	1	0	2	2	2	2	1	5	1	2	AS ABOVE, WEAKLY MIN. QTZ. TOURM. VEINS.	126	99	130	21412	.10 .10	.10	.002 .002	.002		.101
130–140	SK	QTZ TO	R K Φ Bn	35	1	0	>10	6		0		0	Φ	1	Φ	1	PROPYLITIC TO ARGILLIC ALT WITH KSPAR, HEM, EP, CL, TO	2	0	1	0	3	3	3	3	2	3	2	2	HIGHLY FRACT SKEENA WITH DECREASING QTZ. TOURMALINE. INCREASING CLAY ALT. WEAKLY MIN ON QTZ-MU VEINS.	136		140	21413	.05 .05	.05	.002 .002	.002		.052

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	Graph: Rock Type	Graph: Alt	Graph	Angle CA	Fract: Cu	Fract: Mo	Fract: QTZ	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	Mal M	Mal A	Alteration: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	CuEq
140–150	SK	P P P P	TL, Q Bn, Q Bn	25, 45, 30	5	0	4	0	0		0		Φ F	1	Φ F	1	PROPYLITIC ALT WITH CLAY ALT. OF FELDSPARS	2	0	/	0	3	3	1	3	3	2	2	0	INTENSELY FRACT. ASSOCIATED WITH FAULT ZONE 147-151 UNKNOWN ANGLE.	146	50	140	21414	.13 .13	.13	.002 .002	.002	.130
150–160	Δ Δ SK	QTZ TO, P		35, 35, 35	0	0	>10	1	0		0		0		0		PROP. ALT WITH ABUND CLAY.	1	1	1	0	3	3	2	3	2	4	1	0	QTZ-TOURMALINE-BI-CHL BRECCIA 151-154. FAULT 156-157	150, 154, 157	68	150	21415	.09 .10 .09 .10	.10	.002 .002 .001 .001	.002	.101
160–170	SK	P P P	Φ Bn, MAL, Φ Bn, MAL	15, 60, 35, 45, 25, 35, 25	12	0	4	3	0		0		Φ F	1	Φ F	2	PROP ALT. MINOR KF	1	0	1	0	1	2	1	2	1	2	1	1	WALL FRACT SKEENA. WEAK MIN, POSSIBLY LOW GRADE ORE. QTZ-TO @ 170	167	87	160	21416	.19 .19 .19 .19	.19	.002 .002 .002 .002	.002	.191
170–180	Δ SK Δ SK Δ SK	P P P	MAL	40, 20, 35	3	0	>10	4	0		0		0		F	1	PROP ALT. SIGNIFICANT QTZ-TOURM EP, HEM.	1	1	1	0	1	2	2	2	2	3	1	1	FRACT SKEENA. MINOR MIN. 3 SECTIONS OF QTZ-TOURMALINE BRECCIA.	177	82	170	21417	.04 .04	.04	.001 .001	.001	.04
180–190	SK	P P P	Φ Bn	30, 15, 40, MAL 30, 15	5	0	7	2	0		0		Φ	1	F Φ	1	PROP ALT WITH QTZ. KSPAR	2	0	1	0	1	2	0	3	2	1	1	1	WEAKLY MIN SKEENA WITH 10% QTZ VEINING 182- 1' QTZ @ 15° BARREN. HIGHLY FRACT. 189- 1' QTZ @ 15° HEM, TO	187	80	180	21418	.18 .18	.18	.001 .001	.001	.18
190–200	QTZ & FAULT	A A A	Φ	10	0	0	>10	0	0		0		0		0		QUARTZ & ARGILLIC ALT. ASSOC. WITH FAULT	1	0	0	0	4	0	0	4	3	1	3	0	BARREN QTZ. WITH HEM & TO, AND FAULT ZONE.		30	190	21419	.06 .06	.06	.002 .002	.002	.062
200–210	K K K	A A A	Bn, Bn, MAL	65, 35, 40, 60	3	0	3	8	0		0	F	1	F	1		ARGILLIC AND POTASSIC ALT.	3	0	1	0	4	1	0	3	1	1	2	0	HIGHLY ALT SKEENA. ARGILLIC ALT TO 205. ABUNDANT KSPAR 205-210. NOTE: ONE SMALL PROP. ALT SECTION CONTAINS FINE FRACT BN. WHICH IS NOT VISIBLE IN REST OF SECTION.	200, 205	90	200, 210	21420	.13 .14	.14	.002 .002	.002	.140

HIGHMONT OPERATING CORPORATION

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______

DDH # 84-382

DEPTH ______ LOGGED ______ CORE SIZE ______ STARTED ______ COMPLETED ______

Ft	Rock Type	Alt	Graph	Angle CA	Fract Cu	Fract Mo	Fract QTZ	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	Mal M	Mal A
210–220	SK	K K K K K	S, Ep, Q, Bn	30, 25, 20, 25, 15	5	0	4	10	0		0		Q	2	F	1
220–230	SK	P, X, Q, Bn, Q	Mo, Bn, Mal	15, 35, 45, 35, 35, 35, 35, 35	10	1	5	5	0		Q	1	Q F	2	F Q	1
230–240	SK	P, A, A, A		55, 20	0	0	2	4	0		0		D	1		0
240–250	SK	A, P, I, P, K	Bn	70, 35, 35, 10, 20, 25, 20	10	1	10	7	0		Q	1	Q F D	3		0
250–260	SK	P, P	Q Bn, Q Bn, TO	30, 35, 35, 25, 25, 30, 25, 30	14	0	7	11	0		0		Q F	3		0
260–270	SK	P, I, P, I, P	Bn, Bn, Bn, Bn	20, 25, 50, 45, 35, 35, 30	17	0	4	10	0		0		Q F	3		0
270–280		P, I, P, A, A, A	Bn	40	3	0	6	11	0		0		D F	1		0

Ft	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LI	MAG
210–220	ABUNDANT KSPAR + CLAY. SOME MV ENVELOPES	4	0	1	0	3	1	1	3	1	1	2	1
220–230	PROPYLITIC ALT. WITH KSPAR	2	0	2	0	1	2	1	3	2	1	1	2
230–240	ARGILLIC, ALT. ASSOC. WITH FAULT ZONE. OVER PRINT OF PROPYLITIC ALT.	2	1	2 *	0	4	2	0	3	4	2	1	0
240–250	ARGILLIC ALT AND INTENSE PROPYLITIC ALT. DIRTY GREENISH CORE.	3	0	1	0	2	2	2	2	1	2	0	0
250–260	PROPYLITIC ALT WITH SOME KSPAR. INCREASED MV SALVAGES	2	? 1	2	0	1	2	1	1	1	2	0	2
260–270	INTENSE PROPYLITIC ALT. DIRTY GREEN CORE. MV SALVAGES	2	0	2	0	2	2	1	2	1	2	0	1
270–280	INTENSE PROPYLITIC TO ARGILLIC ALT. ABUNDANT HEMATITE,	2	? 1	1	0	3	2	2	2	3		0	0

Ft	Rock Type, Notes	Block	Rec	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t	CuEq
210–220	ORANGE COLORED LIGHTLY FRACT. SKEENA. MINERALIZED QTZ VEINING 15-25°	211–217	98	21421	.28 / .28	.28	.003 / .003	.003	.032	.290
220–230	FRACTURED SKEENA WITH BORNITE IN QTZ. VEINLETS + SOME DRY FRACTURES. SOME THICK MV ENVELOPES AROUND MIN. QTZ. 226' 2" QTZ. HEM. VEIN @ 35°	222–227	92	21422	.37 / .37	.37	.007 / .002	.002	.055	.374
230–240	HIGHLY FRACT SKEENA WITH ABUNDANT HEM. AND SOME PHYLLIC (SERICITE) ALT. SECTIONS. TRACES DISSEM BN. OXIDIZED ZONE ENDS.	237	93	21423	.07 / .07	.07	.002 / .002	.002		.071
240–250	HIGHLY FRACT TO 245. LIGHTLY FRACT TO 250. WELL MINERALIZED WITH QTZ-BORNITE. ALSO FRACT BORNITE AND DISSEM. "ORE."	241–246	91	21424	.33 / .33	.33	.006 / .007	.006	.058	.369
250–260	MODERATELY FRACT. BN IN QTZ, ON HAIRLINE FRACT WITH TO. 259-1" QTZ-TO. NO Cu. 30°	252	98	21425	.22 / .23	.22	.004 / .009	.004	.036	.238
260–270	LIGHT TO MODERATE FRACT. BORNITE IN QTZ, MV + ON DRY HAIRLINE FRACT.	260–268	95	21426	.16 / .16	.16	.006 / .006	.006		.197
270–280	LIGHT TO MOD. FRACT. WEAK BORNITE MIN. HEMATITE AND TOURM. APPEAR TO INCREASE + BORNITE DECREASES.	276	95	21427	.04 / .04	.04	.004 / .004	.004		.060

HIGHMONT OPERATING CORPORATION

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COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ____ DIP ____ TESTS ______ ______ CORE SIZE ____

DEPTH ______ ______ ______ STARTED ____

LOGGED ______ COMPLETED ____

Ft	Rock Type	Angle CA	Fract Cu	Fract Mo	Fract QTZ	/	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes
280–290	SKm	15, 45, 30	4	0	1		13	D	1		0	QFD	r			INTENSE ARG. ALT WITH KSPAR ZONE FROM 280-285 PHYLLIC ZONE 285-287 PERVASIVE MU	3	0	3*	0	4	1	2	3	4	r	1	0	SKARNA + FINER GRAINED FELSIC PHASE FROM 285-290 ABUNDANT FINE HEMATITE, WEAKLY MINERALIZED, NOTE APPEARANCE OF Cp.
290–300	SK	35, 45, 35	4	0	1		3	DF	1		0	QDF	1			PHYLLIC ALT PERVASIVE LIGHT GREEN SERICITE ALT OF FELD., CLAY ALT.	2	0	4*	0	4	1	0	3	4	2	1	0	WEAKLY MIN. HIGHLY ALT. SKARNA, FELSIC PHASE. * MU PERVASIVE FELD ALT. NOT SELVAGES. 297-300 MAJOR HEMATITIC FAULT, UNKNOWN ANGLE.
300–310	SK	40, 35, 35, 30, 40, 40, 34	8	0	3		1		0		0	QF	2			ARGILLIC ALT WITH SOME SERICITE ALT FELDSPARS.	1	0	3*	0	4	1	0	2	3	1	0	0	INTENSELY FRACTURED @ APROX. 35° NOTE* TRACES CHALCOCITE BORNITE ON HAIRLINE DRY FRACTS AND QTZ. VEINS POSSIBLY WEAK ORE GRADE. NOTE: NO MU SELVAGES
310–320	SK	20, 35, 60, 30	6	0	3		1	F	1		0	QFD	2			ARGILLIC ALT. HEMATITE RICH FAULT ZONE	2	0	1*	0	4	1	0	3	3	0	0	0	INTENSELY FRACT. VERY FINE BORNITE? DISSEM. ABUNDANT HEM.
320–330	SK	40, 42, 60	4	0	1		0		0		0	QF	2			PROP. ALT WITH CLAY & KSPAR	3	0	0	0	3	2	0	3	3	0	0	0	INTENSELY FRACT. WITH ABUNDANT HEM.
330–340		25, 35, 60	3	1	1		1		0	S	1	QF	2			PROP ALT WITH CLAY @ FAULT SOME MU SELVAGES	1	0	1	0	3	2	0	3	2	1	0	1	INTENSELY FRACT SKARNA BORNITE ON HAIRLINE FRACTS + THIN QTZ. SELVAGES.
340–350		40, 550, 25, 25, 50, 550	11	1	4		4		0	S	1	QF	2			ARG. ALT. SOME PROPYLITIC ZONES.	1	0	1	0	3	2	0		3	1	0	0	INTENSE FRACT. MO ON FAULTS. 345-346 SEVERAL QTZ. BN VEINLETS @ 35°-60°

Ft	Ft Block	REC	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/T		Cu Eq Cu+Mo
280–290	285, 290	95	280, 290	21428	.13 / .13	.13	.005 / .005	.005			.157
290–300	300	80	300	21429	.12 / .12	.12	.004 / .004	.004			.138
300–310	309	68	310	21430	.28 / .29	.28	.003 / .003	.003	.050		.290
310–320	311, 313, 318	72	320	21431	.23 / .24	.24	.003 / .003	.003	.042		.250
320–330	324, 328	50	330	21432	.15 / .15	.15	.003 / .003	.003			.159
330–340	333, 337, 340	77	340	21433	.25 / .25	.25	.004 / .004	.004	.042		.269
340–350	347	72	350	21434	.21 / .21	.21	.003 / .004	.004	.036		.228

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST _____ NORTH _____ ELEV _____ AZIMUTH _____ DIP _____ TESTS _____ DEPTH _____ LOGGED _____ CORE SIZE _____ STARTED _____ COMPLETED _____

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH: Angle CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	FRACT:	FRACT: RQD	MINERALIZATION: Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A
350	S K	A A A A BN MO BN Q BN BN	20 40 20 40 40 40 30 60	6	1	2		1		0	S D	1	Q F D	2	NOTE CHALCOCITE	
360	S K	A A A BN MO BN	20 40 20 30 40 30	16	1	3		6		0	S D	1	Q F D	4	SOME CHALCOCITE	
370	S K	A A A A K	35 35 15 35 15 25	12	0	4		8		0	D	1 0	Q F D	3	CHALCOCITE	
380	S K	A A A K K A BN MO BN BN	25 60 55 60 25 30 30	6	2	2		5		0 &	Q S	1	Q F	1	CHALCOCITE	
390	S K	A A K K K BN BN BN	25 BN 15 BN 70 20 50	8	0	1		7		0		0	Q F D	2		
400	S K	K K K K BN BN BN BN	30 60 15 25 40 QTZ	8	0	2		11		0		0	Q F D	2		
410		M M K K K BN Q BN BN	30 45 15 25 20 40	8	0	2		15	D	0		0	Q F D	2		

Ft	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
350	ARGILLIC ALT. ABUNDANT HEM. CO_3	2	0	1	0	3	1	0	3	3	0	0	0
360	ARGILLIC ALT SOME MU & KSPAR. CO_3 ALT.	2	0	2	0	4	1	0	3	3	0	0	0
370	ARGILLIC ALT. SOME MU & KSPAR	2	0	* 2	0	4	1	0	3	3	0	0	0
380	INTENSE ARG. ALT & KSPAR ALT. SOME SERICITE AS ALT FELD	3	0	* 2	0	4	1	1	3	3	1	0	0
390	KSPAR ALT WITH CLAY. ABUNDANT HEM & CO_3 SOME SERICITE	4	0	* 1	0	3	1	2	3	3	1	0	0
400	KSPAR ALT WITH CLAY & SERICITE ALT. ZONES MU RARE AS SELVAGES	A	0	* 2	0	2	2	1	3	3	0	0	0
410	PHYLLIC ALT AS PERVASIVE MU ALT. OF FELD AND VEINING PERVASIVE KSPAR AND CLAY	4	0	* 3	0	3	2 (4 struck)	0	3	3	0	0	0

Ft	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/T		CuEq Cu+Mo
350	INTENSELY FRACT & SHEARED Mo, POSSIBLY SOME CHALCOCITE ON FRACT, DISSEM, QTZ.	353 357 360	90	350 360	21435	.25 .25	.25	.004 .004	.004	.042		.269
360	FRACT. CLAY ALT SKEENA GOOD BN MINERALIZATION. AND SOME CHALCOCITE.	362 367	90	370	21436	.26 .26	.26	.002 .003	.002	.045		.262
370	LIGHTLY FRACT EXCEPT 377-380 BN. MIN. ON FRACTS + QTZ VEINS.	375 379	90	380	21437	.23 .23	.23	.005 .005	.005	.033		.258
380	HIGHLY ALT SKEENA. MODERATE FRACT. 383-2" QTZ. Mo @ 60° 384-6" HEM SHEAR ZONE, SOLID CORE @ 60° 1" QTZ. BN (→ CHALCOCITE) @ 386. CUT BY Mo SHEAR.	384 390	88	390	21438	.17 .16	.16	.010 .010	.010			.239
390	LIGHTLY FRACT SKEENA. FINE HEM. DIFFICULT TO DIST. FROM BN. WEAK TO MODEST Cu MIN.	397	98	400	21439	.08 .09	.08	.003 .003	.003			.090
400	LIGHTLY FRACT, MODEST Cu MIN. 406' INTENSE SERICITE ZONE, GREEN FELD. ALT. 3" QTZ - BN VEIN @ 409	408	96	410	21440	.14 .14	.14	.003 .003	.003			.149
410	MODERATELY FRACT. = PERVASIVE SERICITE, NOT SELVAGES. TRACE Cp IN PHYLLIC ZONE ABUNDANT FINE HEM. & CHLORITE IN SOME SECTIONS	413 420	99	420	21441	.14 .14 .15 .15	.14	.002 .002 .003 .003	.002			.140

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Graph: Rock Type	Graph: Alt	Angle CA	Fract: Cu	Fract: Mo	Fract: Qtz	RQD	Cp m	Cp a	Mo m	Mo a	Bn m	Bn a	Alteration Description	KF	BI	MU	PY	Clay	CL	EP	Carb	Hem	TO	LIM	MAG	Rock Type, Notes	Rec	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Au oz/t	Cu Eq
420–430	SK	K K K A A	15, 30	2	1	0	7	5	0	5	1	F	1	KSPAR ALT WITH CLAY. ABUNDANT HEM ON FINE SHEARS & FRACT.	4	0	1	0	3	0	0	3	3	2	0	0	HIGHLY ALT WITH ONLY TRACE Cu Mo MIN. HIGHLY FRACT NEAR FAULT.	80	21442	.06 .06	.06	.003 .003	.003		.070
430–440	SK	A A A A A	40, 40	2	2	0	5	D S F	2	S	1		0	INTENSE CLAY ALT. + CO_3 ASSOC. WITH FAULT ZONE	2	0	1	0	4	0	0	4	1	0	0	0	FAULT ZONE HIGHLY SHEARED BUT FRAGMENTS ARE HELD TOGETHER WITH CLAY & CO_3 FINE Cp ON IRREGULAR HAIRLINE SHEARS Mo ON FAULT PLANES	90	21443	.13 .13	.13	.006 .006	.006		.167
440–450	GOUGE, SK	A A A K K	40, 20, 25	1	3	1	15	D S	1	S	1	F D	1	INTENSE CLAY & KSPAR + CO_3 ALT. WITH HEM.	3	0	2	0	3	1	0	3	3	0	0	0	FAULT ZONE HIGHLY SHEARED BUT GLUED TOGETHER WITH CLAY GOUGE + CO_3. 440-444 ABUNDANT BLACK, LIGHT GREY GOUGE. NOTE 3ONE - ANKERITE.	98	21444	.19 .19	.19	.021 .021	.021	.041	.406
450–460	BRECCIA	K P P P	50, 35	1	0	1	6		0	D	1	F D Q	2	PROPYLITIC ALT. SHEAR & FAULT RELATED CHLORITE HEMATITE ALT. WITH CO_3	1	0	2	0	2	3	0	2	4	0	0	0	FRACT. SKARN. WEAKLY MIN. 456-482 TECTONIC HEALED BRECCIA CLAST SUPPORTED WITH HEMATITE-CHLORITE MATRIX. ABOUT 5%-10% OF TOTAL ROCK.	90	21445	.18 .18	.18	.011 .011	.011		.271
460–470	BRECCIA	P P P P	55, 35, 35	0	0	0	9		0	D	1	D	1	AS ABOVE	1	0	0	0	2	3	1	3	4	0	0	0	WEAK. MIN. WITH DISSEM. BN.	93	21446	.09 .09	.09	.007 .008	.008		.148
470–480	BRECCIA	P	60, 60	0	1	0	7		0	S D	1	D	2	AS ABOVE WITH INC. KSPAR.	2	0	1	0	2	3	2	3	4	0	0	0	AS ABOVE WITH SERICITE ALT OF FELDSPARS. DISSEM. BORNITE, LOW GRADE.	82	21447	.07 .07	.07	.008 .008	.008		.128
480–490	BRECCIA, SK	K K P P	Mo	1	2	0	17		0	S	2	F D	!	KSPAR ALT RAPIDLY GRADING TO PROPYLITIC	3	0	1	0	1	2	0	2	3	1	0	2	1' Mo BEARING HEMATITE RICH FAULT @ 480, 60°. LIGHTLY FRACT. SKARN. DISSEM PRIMARY MAG.	96	21448	.09 .09 .10 .10	.10	.006 .006 .006 .006	.006		.137

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST____ NORTH____ ELEV____ AZIMUTH____ DIP____ TESTS____ CORE SIZE____

DEPTH____ LOGGED____ STARTED____ COMPLETED____

Depth (ft)	Rock Type	Alt	Angle C.A.	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Rec	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t	CuE CuTMo
490–500	SK	P P P	50, 25, 45, 35, 80, 25	6	2	0	13	F D	1	F D	1	F D	1	WEAK PROP. ALT WITH SOME FRESH LOOKING BI BOOKS.	1	0	0	0	1	2	2	1	1	1	0	3	LIGHTLY FRACT SKEENA. MIN. ON HAIRLINE FRACTURES QUITE WEAK.	98	21449	.09 .09	.09	.001 .001	.001		.084
500–510	SK	P U P P	45, 40, 40	0	0	0	13		0		0		0	AS ABOVE WITH SOME KSPAR 508-510	1	0	0	0	1	2	2	1	0	0	0	3	UNFRACT NO MIN. 1" APLITE VEIN	95	21450	.03 .03 .03 .03	.03	Tr Tr Tr Tr	Tr		.026
510–520	SK	P P P P	50, 20, 65, 25	4	1	0	13		0	F	0	F D	1	WEAK PROP. ALT MINOR KSPAR	1	0	1	0	0	2	1	1	0	0	0	3	WEAKLY FRACT SKEENA. WEAK MIN.	98	21451	.04 .04	.04	.002 .002	.002		.043
520–530	PEG, SK	P P P P K	25, 60, 30, 15, 50	4	2	2	11	F	0	Φ D	1	F Φ D	1	PROPYLITIC ALT. WITH SOME KSPAR	2	0	1	0	0	2	0	1	1	1	0	3	521 - 6" PEGMATITE VEIN. @ 50° LIGHTLY FRACT. WEAK MIN. 528-530 KSPAR-HEM ZONE @ 30°?	97	21452	.07 .07	.07	.021 .019	.020		.274
530–540	SK	K P P P P	20, 50, 30, 20, 15	4	2	0	12	F	1	F D	1	F D	1	PROP. ALT. SOME KSPAR	2	0	0	0	0	1	0	2	1	0	0		LIGHTLY FRACT. SLIGHT INC. IN MIN.	99	21453	.12 .12	.12	.007 .007	.007		.167
540–550	SK	K K K K K	25, 25, 25, 25, 40, 50	9	5	5	22	Φ	1	Φ	2	F Φ	3	INTENSE KSPAR FLOODING WITH QTZ. VEINING & GOOD SERICITE DEVELOPMENT. CHLORITE-SER SKEARS	5	0	3	0	1	2	1	2	2	0	0	0	WEAKLY FRACT SKEENA WITH GOOD Mo-Bn MIN. Mo WITH QTZ, Bn WITH MU THICK SALVAGES	99	21454	.44 .44	.44	.031 .031	.031	.080	.792
550–560	SK	K K K K P	25, 50, 50, 40, 35, 25, 20	12	3	4	16		0	Φ D F	2	Φ F D	3	AS ABOVE ALTERATION DECREASING DOWNWARDS	4	0	3	0	1	1	0	2	1	1	0	1	AS ABOVE. DISSEM MAG IN PROPYLITIC ZONE.	99	21455	.19 .19	.19	.012 .010	.011	.030	.281

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Graph: Rock	Graph: Alt	Angle C/A	Fract: Cu	Fract: Mo	Fract: Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	Alteration: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
560–570	SK	P	30 40 30 60	5	0	3	12	D	0		0	Q F D	2			PROPYLITIC ALT WITH KSPAR, MINOR MV SALVAGES	2	0	1	0	1	2	0	2	2	0	0	1
570–580	SK	P	35 30 20 20	5	3	1	6	D	1	Q F D	1	Q F D	2			AS ABOVE	2	0	1	0	1	2	0	2	1	1	0	2
580–590	SK	P	30 50 40 30 20 00	9	4	1	11	F D	1	F D	2	F D	2			PROPYLITIC ALT. WITH MV + KSPAR SELVAGES	2	0	2	0	1	3	0	1	1	1	0	2
590–600	SK	P	45 20 55 55 35	3	2	1	3	F	0	F	1	Q F	1			PROPYLITIC ALT WITH LESS KSPAR. ABUNDANT HEM.	1	0	0	0	2	2	0	3	3	1	0	1
600–610	SK	P	20 40 30	3	1	0	7		0	F D	1	F D	1			PROPYLITIC ALT. WITH SOME KSPAR AND SERICITIC GREEN FELD ALT. *	1	0	*2	0	1	2	1	2	1	1	0	2
610–620	SK	P	20 30 35 50 30 35	7	3	3	10	Q	1	Q F	2	Q F	2			PROPYLITIC ALT. WITH INCREASED KSPAR CLAY + MV' SELVAGES	2	0	2	0	2	2	1	2	2	0	0	1
620–630	SK	P	20 45 30	2	1	1	4	F	0	Q D	1	F D	1			PROPYLITIC ALT. HEMATITIC FAULT ZONE BN-MV SELVAGES	1	0	2	0	3	2	0	3	5	0	0	1

Ft	ROCK TYPE, NOTES	From	REC	To	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t		CuEq Cu+Mo
560–570	SKEENA LIGHTLY FRACT. WEAK MIN. → LOW GRADE ORE. NOTE VUGGY KSPAR MIN. FRACTS.	568	95	570	21456	.32 .32	.32	.003 .003	.003	.054		.331
570–580	AS ABOVE. WEAK POSSIBLY LOW GRADE ORE		93	580	21457	.11 .11	.11	.012 .014	.013			.225
580–590	MODERATE FRACT. MV MINERALIZED SELVAGES. SOME DISSEM Cp, Bn, Mo BETTER GRADE THAN ABOVE.	583	94	590	21458	.14 .14 .15 .13	.14	.008 .008 .009 .009	.008			.197
590–600	FRACTURED + FAULTED. HEM. + CLAY ASSOC. WITH FAULT WEAKLY MIN.	591	91	600	21459	.14 .14	.14	.021 .022	.021	.045		.356
600–610	MODERATELY FRACT SKEENA NOTE VUGGY CHLORITIC-CO_3 BANDS ALONG FRACTS. SLIGHTLY BETTER MIN. BUT WEAK. HAIRLINE MV MIN. FRACTS	601	92	610	21460	.09 .09	.09	.006 .005	.006			.118
610–620	WEAK TO STRONG FRACT. QTZ. VEIN MIN WITH MV ENVELOPES. NOTE APLITE VEINS 35 - 40°	613 618	99	620	21461	.17 .17	.17	.006 .006	.006			.207
620–630	INTENSELY FRACT SKEENA FAULT ZONE @ 45° ? HEMATITE TRACES MO. WEAK MIN.	624	83	630	21462	.18 .19	.18	.011 .012	.012	.036		.283

HIGHMONT OPERATING CORPORATION

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____

DDH # 84-382

DEPTH ____ LOGGED ____ CORE SIZE ____ STARTED ____ COMPLETED ____

Depth	Graph: Rock	Graph: Alt	Angle to C.A.	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp	Mo	Bn	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	From	Rec	To	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t
630–640	SK	P, P, P, P, K	25, 25, 35, 35, 20, 30, 30	10	3	1	10	0	Q D F 2	Q F 2	PROPYLITIC ALT. WITH KSPAR AND MU SALVAGES. SOME SERICITE ALT OF FELD.	2	0	2	0	1	3	1	2	1	1	0	1	MODERATELY FRACT. WEAK ORE GRADE MIN. CHLORITE + SERICITE SALVAGES ASSOC. WITH BN MIN.	633	93	639	21463	.32 .32	.32	.032 .033	.033	.033
640–650	SK	M, M, M, M, K	10, 30, 25	4	4	2	9	D F 2	S Q D 3	F D 1	POTASSIC ALT AND PHYLLIC ALT - FINE GREEN SER. ALT. *	3	0	3 *	0	3	1	0	3	2	0	0	0	HIGHLY SHEARED + ALT SKEENA REHEALED BY CLAY + CO_3 HEMATITE + Mo FAULTING Cp + Mo ON FINE HAIRLINE IRREGULAR FRACTURES.	643	98	650	21464	.21 .21	.21	.024 .025	.024	.026
650–660	SK	K, K, K, K, K	40, 15, 60, 35, 20	5	5	0	15	D F 1	S D F 2	F 1	KSPAR ALT WITH SOME MV AS FINE SERICITIC ALT.	4	0	2	0	2	1	0	3	2	0	0	0	LIGHTLY FRACT CORE. DISSEM Cp + Mo MINOR BN. Mo ON HEALED 1" FAULT @ 15° @ 655. WEAK → LOW GRADE MIN.	650	99	660	21465	.16 .15	.16	.022 .022	.022	.023
660–670	SK	K, K, K, A, A	40, 60, 15, 35, 80	6	2	1	19	D F 1	Q D S 3	Q D F 2	KSPAR + CLAY ALT. WITH SOME SERICITE ON SHEARS WITH CO_3 FINE HEM.	4	0	1	0	3	0	0	2	3	1	0	0	LIGHTLY FRACT CORE FINE HEM. POSSIBLY SOME GYPSUM ON FRACT. VERY GOOD. 10" QTZ VEIN - MoBN @ 80°, 670'.	660	99	670	21466	.13 .13	.13	.093 .093	.093	.032
670–680	SK	A, K, K, K, K	45, 25, 60, 50	7	7	2	16	D F 1	Q S D F 3	Q F 2	KSPAR ALT WITH CLAY + SERICITE.	3	0	1	0	2	2	0	2	1	1	0	0	LIGHTLY FRACT SKEENA. ORE GRADE Mo, MODEST Cu	670	99	680	21467	.18 .18 .17 .17	.18	.068 .067 .063 .064	.065	.032
680–690	SK / FAULT	K, K	30, 30, 30, 50, 50	6	>10	3	4	Q D 2	S 5	Q F 1	AS ABOVE TO 686' --- Mo BEARING FAULT.	2	0	1	0	4	2 A	0	4	3	1	0	0	ORE GRADE Mo IN FAULT.	680	98	690	21468	.25 .26	.26	.018 .018	.018	.033
690–700	FAULT / SK	A, A, K, K	30	1	>10	1	4	D 2	S 5	D 1	WATER HOLE FAULT. --- K SPAR + CLAY ALT	3	0	1	0	4	2	0	4	1	1	0	0	AS ABOVE. - ORE GRADE Mo DISSEM Cp, Mo BELOW FAULT.	690	92	700	21469	.47 .46	.46	.040 .039	.040	.067

HIGHMONT OPERATING CORPORATION

DDH # 84-382

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______

DEPTH ______ LOGGED ______

CORE SIZE ______ STARTED ______ COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: Alt		FRACT: Angle CA	FRACT: Cu	FRACT: Mo	FRACT: Qtz		RQD	MINERALIZATION: Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	M	A	ALTERATION: Description	KF	BI	MU	PY	Clay	CL	EP	Carb	Hem	TO	LIM	MAG
700–710	S K	K K K	Cp Mo / Cp Bn / Bn	25 50 35	φ 6	1	2		4	D Φ F	2	φ	1	F	1			KSPAR ALT. SOME CLAY + HEM	4	0	0	0	2	1	0	2	2	1	0	0

Ft	ROCK TYPE, NOTES	Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t
700–710	MODERATELY FRACT. SKEENA WEAK Mo MIN, DISSEMINATED Cp, BN ON HAIRLINE FRACT.	700–710	93	700–710	21470	.35 .36	.36	.013 .014	.014	.047
710	710 END OF HOLE									

84-383

HIGHMONT OPERATING CORPORATION

DDH # 84-383

COLLAR: EAST 109961.8 NORTH 7456.9 ELEV 5502.8 AZIMUTH 02°50' DIP -44° TESTS 350' -44° CORE SIZE N

DEPTH 590' LOGGED P.F. STARTED 13A COMPLETED 20

Ft	Rock	Alt	Angle CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp	Mo	Bn	Alteration Description	KF	BI	MU	PY	Clay	CL	EP	Carb	Hem	TO	LIM	MAG	Rock Type, Notes	From	Rec	To	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	Ag oz/t
0–4	O.B.																							4' O.B.	4								
4–10	SK	WEATHERING																				5	0	HIGHLY FRACT LIMONITE RICH SKEENA			10						
10–20	SK	WEATHERING P P	40, 60, 60	3	0	2	5	0	0	Φ F 1 (Possibly chalcocite)	WEATHERED PROP. ALT. MINOR LIM	1	0	0	0	2	2	1	1	2	1	3	0	HIGHLY FRACT TO 15' 15-20 LIGHTLY FRACT WEAKLY ALT. SKEENA.	15	68	20	21471	.04		.017		
20–30	SK	P P P	65, 45, 50, 45, 60, 50	15	4	6	5	Φ F 2	Φ F 2	Φ F 2	PROPYLITIC ALT WITH IMPORTANT MU. SELVAGES AROUND MIN. QTZ	1	0	3	0	0	2	1	1	1	1	1	3	LIGHTLY FRACT SKEENA ORE GRADE. Bn, Mo, Cp IN QTZ VEINS WITH MU SELVAGE + IN MU SELVAGES WITHOUT MUCH QTZ.	24	99	30	21472	.21 / .20	.20	.016 / .016	.016	.029
30–40	SK	P V P V P	60, 50, 60, 40, 40, 60	16	6	5	16	Φ F 2	Φ F 2	Φ F 2	WEAK PROP. ALT → UNALT WITH DECREASING MIN + MU SELVAGES. FRESH Bi	1	FRESH Bi	2	0	0	2	1	1	0	0	0	3	LIGHTLY FRACT. SKEENA. Bn, Cp, Mo ON 3 SETS OF INTERSECTING STRUCTURES WEAKER MIN DOWNWARD.		98	40	21473	.14		.010		
40–50	SK	P V P V P	30, 45, 40, 30, 50, 10	3	5	3	10	Φ F 1	Φ S 2	F 0	PROPYLITIC TO UNALT. NO MU NOTE EUHEDRAL HORNBLENDE ALT TO CL.	1	FRESH Bi	0	0	1	2	1	1	0	0	0	4	LIGHT FRACT SKEENA. Mo MIN ON SEAMS + IN QTZ. TRACES ONLY Cu MIN.	46	96	50	21474	.02		.05		
50–60	SK	P V P V P	60, 60, 50, 60	6	3	1	7	F Φ 1	Φ F 1	F 0	PROPYLITIC TO UNALT. NO MU SELVAGES	1	FRESH Bi	0	0	1	3	0	2	0	0	0	3	FRACTURED SKEENA SUB ORE, WEAK MIN. APLITE VEIN 1/2" @ 10° HAIRLINE MIN, SOME WITH FINE QTZ.	51, 57	95	60	21475	.03		.005		
60–70	SK	P V P V P	50, 35, 60, 30	5	3	1	12	F Φ 1	Φ F 1	F 0	AS ABOVE	1	FRESH Bi	0	0	1	2	1	2	0	0	0	3	LIGHTLY FRACT SKEENA WEAK CuMo MIN. APLITE VEIN @ 10°		85	70	21476	.05		.005		

HIGHMONT OPERATING CORPORATION

DDH # 84-383

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ CORE SIZE ____

DEPTH ____ LOGGED ____ STARTED ____ COMPLETED ____

Ft	Rock Type	Alt	Angle to C.A.	Fract Cu	Fract Mo	Fract Qtz	RQD	Mineralization (Cp, Mo, Bn)	Alteration Description	K F	B I	M U	P Y	Clay	C L	E P	Carb	Hem	To	Lim	Mag	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	Ag oz/t
70–80	SK, SK	P, V, P, V	40	1	0	0	9	0, 0 F 0	PROPYLITIC TO UNALT.	0	FRESH Bi	0	0	1	1	1	2	0	0	0	4	FRACT SKARNA. NO MIN. FAULT 70-71 UNKNOWN CORE ANGLE. 1" APLITE -30° @ 79.		95	70, 80	21477	.01		.002		
80–90	SK	P	35, 40, 50, 60, 60	4	2	0	6	F 1, F 1, F 0	PROPYLITIC ALT. WITH CO_3-EP VEINS	1	0	0	0	2	2	2	3	0	0	0	2	LIGHT TO MODERATELY FRACT SKARNA. NOTE EP-CO_3-CL. VEINS. WEAK MIN.	81, 90	86	90	21478	.01		.003		
90–100	SK	A, P	60, 40, 70	4	4	4	1	D F 1, Q D 1, Q F 0	PROPYLITIC ALT WITH SOME CLAY	2	0	0	0	2	2	1	3	0	0	0	2	HIGHLY FRACT SKARNA WEAK MIN. FAULT ZONE 95-97 NOTE BARREN QTZ-KSPAR VEINS 15°-30°	99	73	100	21479	.08		.006		
100–110	SK	P, K, A	45, 40, 50, 60, 60, 20, 60	9	3	2	4	F D Q 2, Q F D 2, 0	PROPYLITIC ALT.-RAPIDLY GRADING TO KSPAR ALT & CLAY-SERICITE ALT. SOME MU SELVAGES	3	0	2*	0	3	1	1	3	2	0	0	0	BROKEN CORE WITH CP ON VERY FINE FRACTURES AND DISSEMINATIONS IN CLAY ALT ZONE. (LOW GRADE ORE?) * SERICITIC ALT OF FELDSPARS IN ARGILLIC ZONE	104, 107, 110	98	110	21480	.14		.016		.021
110–120	SK	A	50, 50, 50, 45, 45	6	2	2	1	F Q D 1, Q D 1, F 1	ARGILLIC ALT WITH PROPYLITIC ZONES. ONLY MINOR MU SELVAGES	2	0	3*	0	3	2	1	3	1	0	0		BROKEN CORE. SERICITE ALT. FELDSPARS. NOTE APLITE STRINGERS HAIRLINE Bn, Mo, Cp FRACTS. SOME WITH QTZ.	115, 118, 120	85	120	21481	.11		.008		
120–130	SK	P	40, 60, 50, 60, 70	3	1	1	2	Q F 1, S 1, Q F 1	PROPYLITIC ALT.	1	0	1	0	1	2	0	3	2	0	0	0	HIGHLY FRACT @ 45°-60° APLITE STRINGERS 10° TO C.A. 1/2" QTZ. Bn Cp @ 126' MAG → HEM.	123, 126, 129	75	130	21482	.18		.010		.023
130–140	SK	A	40, 40	2	0	0	2	F 1, 0 F 0	ARGILLIC ALT WITH SERICITIC FELD. ALT. HEM. ALT.	2	0	3*	0	3	1	1	3	2	0	0	0	HIGHLY FRACT SKARNA WITH APLITE STRINGERS. * GREEN SERICITE ALT OF FELDSPARS. WEAK MIN.	131, 136	55	140	21483	.06 / .05	.06	.004 / .004	.004	

HIGHMONT OPERATING CORPORATION

DDH # 84-383

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ CORE SIZE ____

DEPTH ____ LOGGED ____ STARTED ____ COMPLETED ____

Ft	Rock Type	Alt	Angle to CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
140–150	SK	A	50, 50, 60, 25, 50, 45	7	1	1	3	F S	1	ϕ	1	ϕ F	1	ARGILLIC + PROPYLITIC ALT. INCREASING MU SELVAGES SOME SER. ALT OF FELDSPARS.	1	0	2	0	3	2	0	2	2	0	0	0
150–160	SK	P	70, 45, 20, 50, 58, 40	5	4	2	7	ϕ F	2	ϕ F	2	ϕ F	1	PROP. ALT WITH SOME CLAY ALT SER. ALT OF FELDSPARS	1	0	1*	0	1	2	1	3	2	0	0	2
160–170	SK	P / M	40, 45, 40, 60	5	2	2	2	ϕ F	1	ϕ D	1	ϕ F	1	INTENSE ALTERATION OF FELD. TO CLAY & GREEN SERICITE.	0	0	3*	0	3	2	1	3	2	0	0	0
170–180	SK	M	60, 40	2	0	0	1		0	D	0	D F	1	INTENSE FELD ALT TO CLAY & GREEN SERICITE. ABUNDANT CO_3 + HEM	0	0	3*	0	3	1	0	4	3	0	0	0
180–190	SK	M	55, 40, 50	1	2	0	1		0	S	2	F D	1	AS ABOVE	0	0	3*	0	3	1	0	4	4	0	0	0
190–200	SK	M	50, 50	1	1	1	8		0	ϕ	1	F	1	AS ABOVE	2	0	3*	0	3	0	2	2	2	0	0	0
200–210	SK	A	50, 40, 45, 40, 60, 80, 70	8	1	1	7	F D Q	2	F D	1	F Q	1	PREDOMINANTLY CLAY ALT WITH SERICITIC FELD ALT + MINOR PROPYLITIC ZONE	0	0	2*	0	3	1	0	3	1	0	0	0

Ft	Rock Type, Notes	Sample Interval	Rec	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t
140–150	HIGHLY FRACT SKEENA. IMPORTANT HEM - CO_3 FRACTS @ 25° APLITE VEINS @ 10° MIN. ON MU SELVAGES & HAIRLINE FRACTS.	142–146	90	21484	.09 / .09	.09	.012 / .010	.011	
150–160	MODERATELY FRACT SKEENA. * GREEN FELD. ALT → SERICITE APLITE @ 20° 1/2" QTZ VEINS WITH Mo, Cp Bn.	152–157	98	21485	.07 / .07	.07	.024 / .023	.024	.021
160–170	FRACT. SKEENA, FAULTED * SERICITE ALT OF FELDSPARS AND SOME SELVAGES. ALSO SIGNIFICANT CO_3	163–166	73	21486	.15 / .19	.15	.013 / .013	.013	
170–180	HIGHLY FRACT. SKEENA SOME APLITE VEINS * SER. ALT OF FELD. SOME MU SELVAGES. INTENSE LATER? CO_3 ON FRACT.	176	52	21487	.08 / .07	.08	.009 / .005	.005	
180–190	AS ABOVE Mo IN FAULT ZONE. HEM + CO_3 IN ABUNDANCE	186	48	21488	.03 / .03	.03	.007 / .008	.008	
190–200	HIGHLY FRACT @ 50° AS ABOVE. WITH DISSEM. EPIDOTE, DECREASING CO_3 + SERICITIC FELD. ALT.	192–198	88	21489	.03 / .03	.03	.005 / .009	.005	
200–210	FRACT HIGHLY ALT SKEENA NOTE VUGGY ZONES. * GREEN FELD ALT. NO MU SELVAGES.	209	96	21490	.10 / .10	.10	.005 / .006	.005	

HIGHMONT OPERATING CORPORATION

DDH # 84-303

COLLAR: EAST______ NORTH______ ELEV______ AZIMUTH______ DIP______ TESTS______ CORE SIZE______

DEPTH______ LOGGED______ STARTED______ COMPLETED______

Ft	Rock Type	Alt	Graph (Min)	Angle	Fract Cu	Fract Mo	Fract QTZ	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Depth	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	As oz/t
210–220	SK	M A X A	Mo Cp Bn Q Cp	70 20 30 80 50 70 30	6	4	1	5	F Q	2	Q S F	2	F	1	PREDOMINANTLY ARGILLIC ALT WITH SERICITE ALT + A SHORT PROPYLITIC ZONE	0	0	4*	0	3	2	0	4	1	0	0	0	MODERATELY FRACT. HIGHLY ALT SKEENA. ABUNDANT CO_3 — VUGGY SECTIONS. * MU AS SALVAGES AND FELD ALT. HIGHLY MIN. 219-220	213	95	210–220	21491	.13 .13	.13	.017 .017	.017	.024
220–230	SK	M M M M A A	Mo S Cp Bn	60 mo 50	>10	>10	2	11	F	4	F	4	F	1	INTENSE PHYLLIC ALT WELL MIN. TO 224 CLAY ALT TO 230.	0	0	4	0	4	0	0	3	2	0	0	0	LIGHTLY FRACT HIGHLY ALT SKEENA. LATER CO_3 VEINS - FRACTURES. EXCELLENT Cp Bn Mo MIN. ON CLOSELY SPACED MV SELVAGES.	224	98	230	21492	.39 .40	.40	.014 .011	.013	.035
230–240	SK	A A A X	Q Cp Cp Cp	60 10 40 45 mo 55	7	3	3	5	F Q	3	S Q	3		0	ARGILLIC ALT WITH SOME SERICITE	1	0	2	0	4	0	0	3	2	0	0	0	MODERATELY FRACT. SK. HIGHLY ALT. GOOD MIN. 234-236. Mo IN FAULT 238-239	238 239	65	240	21494	.52 .51	.52	.013 .013	.013	.025
240–250	SK	A A A A	Cp Cp Mo Bn	mo 60 As 50 60	3	1	0	5	F	1	F	1	F	1	ARGILLIC ALT WITH SOME PROPYLITIC ONLY MINOR MU	2	0	1	0	4	1	0	2	1	1	0	0	MODERATELY FRACT SKEENA CLAY ON FRACTURES. 6" APLITE @ 243. WEAK MIN.	243 248	98	250	21495	.03 .03 .03 .03	.03	.008 / .06 .06	.007	
250–260	SK	A X X	Bn Cp Bn Cp Bn	50 40 50 30	7	1	1	5	F Q D	1	Q	1	F Q D	2	ARGILLIC ALT. MINOR MU ABUNDANT CO_3 ON FRACTS IN VEINS	2	0	2	0	5	0	0	4	1	1	0	0	HIGHLY FRACT. SKEENA. WITH To - Bn ON HAIRLINE FRACTS. APLITE + PEGMATITIC VEINS. POSSIBLY LOW GRADE ORE.	252 257	95	260	21496	.07 .08	.08	.004 .004	.004	
260–270	SK	P P P P X	Mo Cp Bn Cp Cp	70 35 30 35 30 60	9	1	0	7	F D	2	F	1	F D	1	PROPYLITIC ALT. MINOR MU SALVAGES. NOTE TRACES Py	2	0	2	1	1	2	1	2	1	1	0	1	MODERATE FRACT. 6" APLITE @ 263' 45°. CO_3 VEIN 1/2" @ 70° LATER THAN MIN. FRACTURES	262 270	93	270	21497	.08 .09 .08 .08	.09	.004 .005 .004 .005	.004	
270–280	SK	P P P P	Cp Cp Cp Cp Cp	35 50 25 40 Bn 60 40	11	1	0	9	F D	2	F D	1	F D	2	AS ABOVE	2	0	1	1	1	3	2	2	1	1	0	2	LIGHTLY FRACT. NOTE INCREASING Ep - CHLORITE FRACTURES	280	95	280	21498	.07 .07	.07	.007 .006	.006	

HIGHMONT OPERATING CORPORATION

DDH # 84-383

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ CORE SIZE ____

DEPTH ____ LOGGED ____ STARTED ____ COMPLETED ____

Ft	GRAPH Rock Type	GRAPH Alt	GRAPH Min	Angle to CA	FRACT Cu	FRACT Mo	FRACT QTZ	RQD	MINERALIZATION Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
280–290	Aplite	A A A A A A	cp cp Mo cp Bn cp cp	50 40 35 60	8	1	0	7	F D	2	F	1	F D	1			ARGILLIC ALT WITH SOME KSPAR & MU SALVAGES	2	0	2	1	3	2	1	3	1	2	0	0
290–300	Aplite SK Aplite	A A A P P	Mo Bn Bn Bn Bn Mo cp	45 50 65 45 80 45 60 70	9	2	1	17	F	1	F Q	1	F Q	2			ARGILLIC ALT. GRADING TO PROPYLITIC NOTE APLITES	1	0	2	0	3	2	0	2	2	1	0	0
300–310	SK Aplite SK	P P	Bn Q Bn Bn cp	45 20 60 40 60 70 50	13	1	1	7	F	1	F	1	F Q	2			PROPYLITIC & ARGILLIC ALT. MU SELVAGES. SOME SERK. ALT. OF FELDSPARS	2	0	2	0	2	2	0	2	1	0	0	0
310–320	SK	P A A A	cp Bn Mo Bn	50 45 35 50 45	7	2	1	5	F	1	Q S	2	D F Q S	3			MOSTLY ARGILLIC ALT. TO PHYLLIC WITH MANY MU SELVAGES	2	0	3	0	3	1	0	2	1	1	0	0
320–330	SK Aplite	P P P P P	cp Bn cp cp Bn Bn	35 60 65 Q 40 60	11	0	1	13	F D	2		0	F D Q	2			MOSTLY PROP. ALT. SOME CLAY & KSPAR	2	0	2	0	1	1	0	2	2	1	0	0
330–340	30°	P P Q P P	Mo Bn cp cp Bn Bn Q	40 40 45 35 40 20 Bn Mo	8	2	3	11	F Q	1	Q	1	F Q	2			PROPYLITIC ALT. APLITE IS UNALT. BUT CUT BY MIN. MU. SELVAGES	1	0	2	0	0	2	1	1	0	0	0	2
340–350		P P P	Bn Bn Bn Q Bn	50 30 50 cp 40 50	7	0	2	18	F	1		0	F Q	2			MIXED PROPYLITIC CLAY, KSPAR & SOME SERICITIC ALT.	2	0	*2	0	1	2	0	1	2	1	0	2

Ft	ROCK TYPE, NOTES	Interval	REC	Interval	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Ag oz/t
280–290	SKEENA WITH APLITE. 4' APLITE UPPER CONTACT @ 55° LOWER @ 20° POSSIBLY WEAK ORE.	280 286 290	99	280 290	21499	.06 .06 .06 .06	.06	.005 .005 .005 .005	.005	
290–300	LIGHT FRACT. HAIRLINE MIN. WITH ONE MIN. 3/4" QTZ VEIN APLITE VEINS @ 20°	296 300	98	300	21500	.11 .11	.11	.005 .005	.005	
300–310	FRACT. ALT SKEENA WITH APLITE VEINS 2 DIRECTIONS OF MIN. 60° CUTS 20° APLITIC STRINGERS. 30°–40° POSSIBLE ORE GRAD MIN.	310	94	310	21501	.14 .14	.14	.004 .004	.004	
310–320	FAULTED SKEENA. GOOD MINERALIZATION - BN, MO, CP 5" QTZ, BN, MO @ 317' 35°	313 317	85	320	21502	.36 .35	.36	.030 .031	.030	.058
320–330	SOLID CORE, ALT SKEENA BORNITE ON EDGES OF CALCITE VEINS, ALSO WITH MU SELVAGES & QTZ. APLITE IS PRE-ORE.	322 330	98	330	21503	.07 .07	.07	.002 .002	.002	
330–340	LIGHTLY FRACT. CHLORITE-KP FRACTURES. QTZ. VEIN MINERALIZATION. BN, MO, CP	334	99	340	21504	.14 .14	.14	.005 .005	.005	
340–350	LIGHTLY FRACT. * MU SELVAGES AND SERICITIC FELD ALT. 2 - 1/2" BN. MIN. QTZ. VEINS. POSSIBLY LOW GRADE ORE	344 350	99	350	21505	.09 .09 .09 .09	.09	.004 .003 .004 .004	.004	

HIGHMONT OPERATING CORPORATION

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COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ CORE SIZE ____

DEPTH ____ LOGGED ____ STARTED ____ COMPLETED ____

Ft	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Rec	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG
350–360	9	0	1	16	F	1		0	F Q	2	PROPYLITIC ALT WITH SOME FRESH SECTIONS	1	FRESH Bi	0	0	1	2	2	1	2	1	0	1	SKEENA WITH MIXED APLITE AND QFP DYKES. LIGHT FRACT. POSSIBLY LOW GRADE ORE?	99	21506	.06 / .06	.06	.001 / .001	.001
360–370	11	1	2	20	F	1	Q F	1	Q F D	2	PROPYLITIC ALT. WITH EPIDOTE HEMATITE VEINS.	0	0	2	0	0	3	3	1	3	1	0	1	LIGHTLY FRACT 'SKEENA, APLITE, QFP DYKES. ABUNDANT EP, HEM. ASSOC. WITH DYKES. LOW GRADE ORE?	99	21507	.06 / .06	.06	.004 / .004	.004
370–380	17	1	5	12	Q F	2	Q	1	Q F D	3	PROPYLITIC ALT. WITH SIGNIFICANT MU SELVAGES SOME CLAY ALT.	1	0	2	0	2	2	0	1	1	2	0	1	LIGHTLY FRACT SKEENA AND PINK KSPAR RICH QFP AND APLITE MIXED. 3" QTZ @ 374' @ 50° cp Bn LIGHTLY MINERALIZED. ORE	99	21508	.20 / .20	.20	.008 / .008	.008
380–390	16	0	[illegible]	15	F	1		0	Q F D	3	PROPYLITIC ALT. WITH SIGNIFICANT MU SALVAGES	1	0	2	0	1	2	1	2	0	1	0	2	LIGHTLY FRACT SKEENA HAIRLINE FRACT FILLED WITH BN PLUS MINOR DISSEMINATIONS.	99	21509	.14 / .14	.14	.003 / .003	.003
390–400	6	2	4	7		0	F Q	1	Q F D	1	PROPYLITIC -> CLAY ALT WITH SOME SERICITE ALT OF FELD	1	0	1*	0	3	1	1	2	0	2	0	0	ALTERED SKEENA WITH 3' FAULT ZONE 30% REC. * SERICITE ALT OF FELD. WEAK. MIN.	68	21510	.13 / .13	.13	.004 / .004	.004
400–410	4	0	0	18		0		0	F	1	ARGILLIC ALT. WITH SERIC. ALT OF FELD.	0	0	2*	0	3	2	0	2	1	2	0	1	LIGHTLY FRACT SK. WITH INCREASED TO ALONG FRACTURES ALMOST UNMINERALIZED.	99	21511	.03 / .03	.03	.001 / .001	.001
410–420	7	1	1	20	F	1	Q	1	Q F	1	ARGILLIC ALT.	0	0	0	0	5	0	0	2	2	2	0	0	401- 2" HEM-CO_3 VEIN. @ 25° QFP. WITH QTZ. PHENOCRYSTS UP TO 3/8" DIAMETER. CLAY ALT FELD. MATRIX	99	21512	.04 / .04	.04	.001 / .001	.001

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COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ____ DIP ____ TESTS ______ ______ CORE SIZE ____

DEPTH ______ ______ ______ STARTED ____

LOGGED ______ COMPLETED ____

Ft	Graph: Rock Type	Graph: Alt	Graph: Veins	Angle CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	CuEq Cu+Mo
420–430	QFP	A A A	Q, Bn, Bn, Q Bn	50, 50, 55, 50, 45	3	0	4	14		0		0	QF	1	INTENSE ARG. ALT. WITH QTZ. VEINS, To, HEM, CO_3 VEINS	!	0	1	0	5	0	0	2	2	2	0	0	QFP WITH A FEW QTZ VEINS, LARGELY BARREN.	424	99	420–430	21513	.04 .04	.04	.002 .002	.002	
430–440	QFP	A A A			0	0	0	15		0		0		0	AS ABOVE	0	0	0	0	5	1	0	2	1	2	0	0	AS ABOVE.	436	97	440	21514	.01 .01	.01	.001 .001	.001	
440–450	QFP	A A		45	0	0	0	6		0		0		0	AS ABOVE	0	0	0	0	5	0	0	3	2	3	0	0	AS ABOVE.	443 445	92	450	21523	.01 .01 .02 .02	.01	.002 .003 .003 .003	.003	.028
450–460	QFP	A A A	Bn, Bn, Bn	60, 20, 55	3	0	0	10		0		0	F	1	AS ABOVE	0	0	0	0	4	1	1	3	1	2	0	1	FRACTURED QFP, MINOR BN. INCREASED MAFIC MINERALS → CHLORITE.	454 459	99	460	21524	.01 .01	.01	.003 .003	.003	.028
460–470	QFP	P P P P	Bn	60, 60	2	0	1	17		0		0	QF	1	PROPYLITIC ALT. DISSEM PRIMARY MAG.	1	0	0	0	1	2	2	1	0	0	0	3	QFP WITH MAFIC MINERALS. APPROACHES SKEENA COMPOSITION BUT WITH ABUNDANT LARGE QTZ. PHENOCRYSTS	469	99	470	21525	.01 .01	.01	.002 .003	.002	.020
470–480	QFP	P P A	Bn, Bn, Bn	60, 45, 60	6	0	4	5		0		0	QF	2	PROPYLITIC → ARGILLIC ALT.	1	0	2	0	3	1	1	2	1	0	0	1	FRACTURED QFP WEAKLY MIN. IN ARGILLIC ZONE ALONG MU SELVAGES & QTZ POSSIBLE LOW GRADE ORE	476 478	98	480	21526	.06 .06	.06	.007 .007	.007	.108
480–490	QFP	A P P	Bn, Bn, Bn	50, 50, 45	12	0	3	20	F	0		0	QF	2	ARGILLIC TO PROPYLITIC ALT.	0	0	2	0	3	1	0	1	0	2	0	2	LIGHTLY FRACT QFP. BN ALONG MU FRACTS.	488	99	490	21527	.04 .04	.04	.003 .002	.002	.043

HIGHMONT OPERATING CORPORATION

COLLAR: EAST_____ NORTH_____ ELEV_____ AZIMUTH_____ DIP_____ TESTS_____

DDH # 84-383

DEPTH_____ LOGGED_____ CORE SIZE_____ STARTED_____ COMPLETED_____

Ft	GRAPH: Rock Type	Alt		Angle CA	FRACT: Cu	Mo	QTZ		RQD	MINERALIZATION: Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A
490–500	Q F P	P P P	Cp BN, BN, BN	40, 40, 30/80	5	0	1		18	F	0		0	F Q D	1		
500–510	Q F P	P P P P	BN, Cp, Cp, BN, BN	35, 45, 70, 55, 40, 40	6	0	1		15	F	1		0	F Q	1		
510–520	Q F P	P P P	BN, BN MO	45, 40	2	1	0		17		0	F	0	F	1		
520–530	Q F P	A A A A	BN, BN, BN	80, 30, 60	5	0	0		7		0		0	F	1		
530–540	Q F P	P P P	HEM, S, S	5 40, 30, 20	0	1	0		10		0		0		0		
540–550	Q F P	P P P	BN	60	1	0	1		19		0		0	F	0		
550–560	Q F P	P P P	BN S, MO BN	40, 50	2	1	1		11		0	S	1	S F	0		

Ft	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
490–500	PROPYLITIC ALT. SOME SERICITIC FELD. ALT & MU SALVAGES	1	0	1	0	2	2	2	1	2	1	0	2
500–510	AS ABOVE	1	0	1	0	1	2	2	1	1	1	0	2
510–520	WEAK PROP. ALT	0	0	0	0	0	2	2	1	1	0	0	2
520–530	ARGILLIC ALT WITH SERICITIC ALT OF FELD. IN SOME SECTIONS	0	0	*2	0	4	0	1	3	3	1	0	0
530–540	PROP. ALT	0	0	0	0	1	2	1	1	2	0	0	1
540–550	PROP. ALT	0	0	0	0	1	2	2	1	2	1	0	1
550–560	PROP. ALT	0	0	0	0	1	2	0	1	1	1	0	1

Ft	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG			CuEq CUT
490–500	LIGHTLY FRACT WEAK MIN. Ep-HEM VEINS @ 20°	-498 500	99	490 500	21528	.03 .03	.03	.003 .003	.003			.042
500–510	AS ABOVE.	510	97	510	21529	.04 .04 .03 .03	.04	.002 .002 .002 .002	.002			.043
510–520	LIGHTLY FRACT ALMOST UNMINERALIZED	520	99	520	21530	.05 .05	.05	.003 .002	.002			
520–530	LIGHTLY FRACT. CALCITE VEINS @ 35° * ALTERED FELD. → SERICITE NO MU SALVAGES	-527	99	530	21531	.04 .04	.04	.003 .003	.003			
530–540	LIGHTLY FRACT. SMALL FAULTS, HEM. VEINS. UNMINERALIZED.	-535	99	540	21532	.01 .02	.02	.002 .002	.002			
540–550	LIGHTLY FRACT ALMOST UNMINERALIZED. Ep. VEINS 20°–30° WEAK MAGNETISM	-546	99	550	21533	.01 .02	.02	.001 .001	.001			
550–560	AS ABOVE	-553	99	560	21534	.03 .03	.03	.003 .003	.003			

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DDH # 84-383

OLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	GRAPH Rock Type	GRAPH Alt	GRAPH	Angle CA	FRACT Cu	FRACT Mo	FRACT Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	ALTERATION Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG
560–570	QFP	P P P P	BN, H	45, 35, HEM, 35, 40, BN	2	0	0	12	F	0		0	F	1	PROP. ALT	1	0	1	0	1	2	2	2	2	0	0	1	MODERATE FRACT WEAK MIN.	567	99	560–570	21535	.02 .02 .02 .02	.02	.003 .002 .003 .003	.003
570–580	QFP	K K K K	MO, S, Q, ON, ON	CP, 540, 50, 50, 60, 60	6	1	0	10	F	1	S	1	F	1	KSPAR ALT → PINK-ORANGE ALT. FELDSPARS SOME CLAY ALT. AND MINOR MU SELVAGES	4	0	2*	0	2	0	0	3	2	1	0	0	LIGHTLY FRACT. ALT. QFP WITH POSSIBLY WEAK LOW GRADE ORE - BN ON FINE FRACTURES. * MINOR MU SELVAGES AND SERICITE ALT OF FELDSPARS.	571, 574, 580	93	570–580	21536	.03 .03	.03	.005 .005	.005
580–590	QFP	K, P, P	Q, ON, 90	20, 60, 120, 120, 50	4	0	0	4	F	0		0	F	1	MOSTLY PROPYLITIC ALT	2	0	1	0	2	1	2	2	1	0	0	1	FRACTURED QFP DECREASING ALT & MIN.	583, 587, 590	80	580–590	21537	.03 .03	.03	.003 .003	.003
590–600																												EOH 590'								
600																															600					
610																															610					
620																															620					
630																															630					

84-384

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST 10968.5.0 NORTH 74283.0 ELEV 5468.2 AZIMUTH 159° DIP -46° TESTS -46° @ 360' CORE SIZE N[illegible]

DEPTH ____ LOGGED ____ STARTED 20Au[illegible] COMPLETED ____

Ft	GRAPH Rock Type	GRAPH ALT	GRAPH (min.)	Angle CA	FRACT Cu	FRACT Mo	FRACT QTZ	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A
0–30	O o O o O															
30–40	S K	P P P P P	Cp Bn Cp Cp Cp Bn	10 15 20 45 20	9	0	0	47	F	1		0	F	1		
40–50	S K	P K K	Bn Cp Q Cp	10 10 30 20 20	8	2	2	11	F Q	1	Q D S	2	F	1		
50–60	S K	A A A	Cp Bn Bn Mo	Mo 10 Bn 60 15 20 60	5	1	0	11	F	1	F	1	F	1		
60–70	S K	A K K K P	Mo Bn Cp Q Mo Bn Bn	50 20 24 50 20 20	6	5	4	10	Q F	1	Q F S	2	F	1		
70–80	S K	A A P P	Q Mo Bn Mo Mo Mo	40 15 50 30 20	2	5	2	17	F	1	Q F S	2	F	1		
80–90	S K	P P P	Q Mo Q Mo	20 65 40 30 10	2	5	6	11		0	Q S F D	3	Q	1		

Ft	ALTERATION DESCRIPTION	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
0–30													
30–40	PROPYLITIC ALT. WITH SOME MIN. MU SELVAGES	1	0	2	0	1	2	0	1	0	0	1	3
40–50	PROPYLITIC ALT. TO KSPAR ALT	3	0	1	0	2	1	0	2	0	0	2	1
50–60	ARGILLIC TO PROPYLITIC ALT WITH SOME KSPAR + MU SELVAGES	2	0	1	0	3	1	0	1	1	1	2	1
60–70	ARGILLIC, PROPYLITIC & KSPAR ALT.	3	0	1	0	2	2	0	2	1	1	0	0
70–80	ARGILLIC + PROP. ALT. WITH SOME KSPAR	1	0	1	0	3	2	0	1	0	1	0	2
80–90	PROPYLITIC ALT WITH QTZ-CO_3 VEINING + SERICITE ALT	1	0	2	0	1	2	0	2	1	1	0	2

Ft	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu %	Cu AVG	Mo %	Mo AVG	Ag
0–30	0-30 OVERBURDEN	30 38	95	30						
30–40	LIGHTLY FRACT SK. NOTE SOME LARGE CHLORITIC BIOTITE BOOKS.	46	99	40	21538	.14 .14	.14	.005 .005	.005	
40–50	LIGHTLY FRACT WITH TWO SMALL FAULTS ONE OF WHICH CONTAINS GOOD Cp, Mo, QTZ.		98	50	21539	.20 .20	.20	.015 .016	.016	.017
50–60	MODERATE FRACT SKEENA. NOTE: SOME MIN. PROBABLY CHALCOCITE RATHER THAN BORNITE.	53	98	60	21540	.05 .05	.05	.004 .004	.004	
60–70	MODERATE FRACT ORE GRADE Mo. WEAKER Bn, Cp	63 67	99	70	21541	.06 .06	.06	.009 .008	.008	
70–80	LIGHT FRACT. ORE GRADE? Mo WEAK Bn, Cp Mo ON SHEARS + WITH QTZ.	73 80	99	80	21542	.03 .03	.03	.005 .004	.004	
80–90	MEDIUM FRACT. Mo MIN ON QTZ, DISSEM, + IN SHEARS.	88	97	90	21543	.06 .06	.06	.005 .005	.005	

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ____ NORTH ____ ELEV ____ AZIMUTH ____ DIP ____ TESTS ____ CORE SIZE ____

DEPTH ____ LOGGED ____ STARTED ____ COMPLETED ____

Ft	Rock Type	Alt	Angle to CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp M	Cp A	Mo M	Mo A	Bn M	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag
90	SK	P P P M	15 15 10 10	4	0	0	10	F	1	F D	0	F	1	PROPYLITIC ALT → PHYLLIC ALT WITH MU SELVAGES + PERVASIVE SERICITE ALT.	2	0	3	0	2	2	0	2	0	2	0	0	LIGHTLY FRACT. ALT. SKEENA WEAKLY MIN.	92 94	98	90 100	21544	.09 .09	.09	.004 .004	.004	
100	SK	M M M A	45 35 20	5	4	1	10	Q F S	2	Q S F	2	S	1	SERICITIC + ARGILLIC ALT ASSOC. WITH FAULT.	2	0	3	0	3	2	0	3	2	1	0	0	2" Cp.Qtz.Mo @ 100.5 106-112 FAULT ZONE. HEM, Mo, Bn.	108	82	110	21545	.10 .10	.10	.014 .014	.014	
110	SK	A A P	20 20	2	0	0	4		0		0	F	1	PROPYLITIC ALT.	0	0	0	0	2	3	1	3	1	1	0	1	HIGHLY FRACT SKEENA. WEAK MIN.	112 116	87	120	21546	.03 .03	.03	.003 .002	.002	
120	SK	P P P P	25 60 20 20	8	3	1	13	F	1	Q D	1	F	1	PROPYLITIC ALT. EXCEPT ARGILLIC ALT NEAR FAULT	1	0	1	0	2	2	1	2	0	1	0	2	HIGHLY FRACT. NEAR FAULT.	124 130	89	130	21547	.05 .05	.05	.006 .006	.006	
130	SK	A A K K	55 20	1	3	1	0		0	Q D F	2	F	0	ARGILLIC + KSPAR ALT WITH SOME SER. ALT OF FELD.	3	0	2*	0	3	1	0	3	1	1	0	0	HIGHLY FRACT SKEENA Mo MINERALIZATION * PERVASIVE SERICITE ALT OF FELD. MAG → HEM.	137	79	140	21548	.03 .03	.03	.009 .008	.008	
140	SK	P P P	20 25	2	1	0	10		0	F	0	F	0	PROP. ALT.	1	0	0	0	1	3	2	1	0	1	0	2	LIGHTLY FRACT. EP-CHL. ON FRACTS CHL. ALT OF MAFICS. ALMOST UNMINERALIZED.	142 150	99	150	21549	.02 .02	.02	.004 .005	.004	
150	SK	P P P	20 50	2	1	0	16	F	0	D S F	1	F	0	WEAK PROPYLITIC ALT.	1	0	0	0	0	2	2	0	0	0	0	3	LIGHTLY FRACT. TRACES MIN.	156	96	160	21550	.03 .03 .03 .03	.03	.009 .008 .009 .009	.009	

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	Rock	Alt	Graph min.	Angle CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Ft	Sample Number	Cu %	Cu AVG	Mo %	Mo AVG	Ag
160–170	SK	P P P P	Cp Mo Cp Cp	45 25 20	4	2	1	14	F	1	Q F	1		0	PROPYLITIC ALT. WEAK.	0	0	0	1	0	2	1	0	1	0	0	2	LIGHT FRACT. WEAKLY MIN. WITH MINOR APLITE @ 80° & 45°. NOTE TRACE PYRRHOTITE. SOME MAG → HEM.	164	98	160–170	21551	.04 .04 .04 .04	.04	.008 .008 .008 .008	.008	
170–180	SK	P P P P	Bn	50	2	1	1	5		0	S	1	F S	1	PROPYLITIC ALT. WITH SOME KSPAR & SERICITE CLOSE TO FAULT.	1	0	1	0	2	3	2	2	1	0	0	1	LIGHT FRACT. TO INTENSE FRACT NEAR FAULT. POOR RECOVERY IN FAULT. SOME BN + MO INDICATED.	171 174 180	72	170–180	21552	.02 .02	.02	.005 .005	.005	
180–190	SK	P P P P	Bn Cp Bn Cp	25 45 30 20 25	8	0	1	5	F	1	D	0	D F	1	PROPYLITIC ALT. WITH MU SELVAGES	0	0	1	0	1	2	1	2	0	0	0	2	MODERATE FRACT. NOTE MINERALIZATION AT TWO ANGLES. POSSIBLY LOW GRADE ORE.	187	86	180–190	21553	.13 .13	.13	.004 .004	.004	
190–200	SK	A A A A	Cp Q Bn Mo	15 55 60 15 20	7	2	1	9	F	1	D Q	2	F D	2	ARGILLIC ALT WITH KSPAR ALT. SERICITE ALT + CO_3 VEINS	3	0	1	0	4	0	0	3	2	1	0	0	HIGHLY ALT. SKEENA WITH FINE FRACT. + SIGNIFICANT DISSEMINATED MO, BN.	192 198	99	190–200	21554	.04 .05 .05 .04	.05	.011 .010 .011 .011	.011	
200–210	SK	A A A A P	Bn Mo Bn Bn	25 35 15	5	1	0	4	F	0	D F	1	D F	1	AS ABOVE	2	0	1	0	3	1	1	2	2	1	0	0	AS ABOVE, WEAKER MIN.	202 205	73	200–210	21555	.05 .05	.05	.013 .013	.013	
210–220	SK	P P P I P	Cp Bn	0 10 30 70	4	0	0	13	F	1		0	F D	1	PROPYLITIC TO INTENSE PROPYLITIC ALT.	1	0	0	0	2	2	1	3	2	0	0	2	MODERATE FRACT. SOME DISSEM. MIN IN ALTERED SECTIONS, LOW GRADE. 3" CALCITE @ 220' @ 70°	212 219	99	210–220	21556	.02 .02	.02	.002 .002	.002	
220–230	SK	I P P P	Cp Bn Cp	20 25	3	1	0	16	F	1	F	1	F	1	PROPYLITIC ALT. CHLORITE–CP FRACTS.	0	0	0	0	0	3	2	1	1	1	0	3	LIGHTLY FRACT. SUB ORE MIN.	222 230	94	220–230	21557	.05 .05	.05	.007 .006	.007	

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	Graph: Rock Type	Graph: Alt	Graph	Angle CA	Fract: Cu	Fract: Mo	Fract: QTZ	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Ft	Rec	Ft	Sample Number	Cu %	Cu Avg	Mo %	Mo Avg	Ag
230–240	S K S K	P P P	Cp Bn Cp Bn Bn	40 20 15	5	1	0	8	F	1	F	0	F	1	PROPYLITIC ALT.	1	0	0	0	0	2	0	2	0	1	0	3	LIGHTLY FRACT. SKEENA	230 237 239	98	234 240	21558	.06 .06	.06	.007 .006	.006	
240–250	S K S K S K	P P P	S Cp Bn	50 30 Q	1	0	1	10	F	1		0		0	WEAK PROPYLITIC ALT.	0	0	0	0	1	2	0	2	0	1	0	3	LIGHTLY FRACT. SKEENA. ESSENTIALLY UNMINERALIZED.	243	92	250	21559	.04 .04	.04	.005 .005	.005	
250–260	S K	P P P	Cp	50	1	0	0	6		0		0		0	PROPYLITIC ALT. WITH INCREASING KSPAR ALT.	2	0	1	0	0	1	0	2	0	1	0	3	FRACT. SKEENA ESSENTIALLY UNMINERALIZED.	251 255	85	260	21560	.02 .02	.02	.005 .005	.005	
260–270	S K	X P X P X P X	Mo Bn Cp Mo	50 70 30 10 80	2	2	0	6	F	0	5	1	F	0	AS ABOVE	2	0	0	0	1	2	0	2	0	1	0	2	FRACT. SKEENA. SOME MO. MIN.	260 265 268	86	270	21561	.06 .06	.06	.007 .007	.007	
270–280	S K	P P P P	Cp Q Bn Cp Mo Mo Bn Cp	10 30 Mo 20 30 20 30	11	3	3	13	F Q	2	Q	1	F Q	7	PROPYLITIC ALT. SKEENA WITH QTZ. VEINLETS & MU SELVAGES	0	0	2	0	1	2	1	1	0	1	0	3	LIGHT FRACT. SKEENA. WEAKLY ALT BUT WITH THIN QTZ. SELVAGES + MU SELVAGE EQUAL BN–Cp MIN. THIN FRACTS, QTZ. VEINLETS. INCREASED Mo MIN.	272 279	99	280	21562	.19 .19	.19	.016 .016	.016	.022
280–290	S K K	P K K K K	Bn Q Q Bn	30 30 25 45 25 Cp	11	1	3	11	F Q	2	Q	2	F Q	2	PROPYLITIC ALT WITH KSPAR ALT. + IMPORTANT QTZ + MV	2	0	3	0	0	2	1	1	0	1	0	2	LIGHTLY FRACT. ORE. 285' 7" QTZ, BN, MO @ 25° 1" MU ON WALLS.	286	96	290	21563	.43 .42	.43	.022 .022	.022	.052
290–300	S K	P P A A	Mo Bn Mo Q Cp Bn	25 Q 20 60 20 Mo 30	8	4	3	9	F	1	Q	2	Q F	2	PROPYLITIC + ARGILLIC ALT. WITH SIGNIFICANT MU SELVAGES KSPAR ALT + SERICITIZED FELDSPARS	3	0	2	0	3	1	0	2	2	1	0	0	HIGHLY ALT SKEENA WITH QTZ. VEIN + MU SELVAGE MIN. SHEARING WITH CO_3 INFILLING	294 298	99	300	21564	.21 .21	.21	.012 .012	.012	.022

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	GRAPH Rock Type	Alt		Angle CA	FRACT Cu	Mo	QTZ		RQD	MINERALIZATION Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
300	SK	A X A X A A	Mo	60 20	0	1	0		1		0	S	3	D	1			ARGILLIC ALT. ASSOC WITH FAULT	1	0	1	0	4	2	0	3	1	0	0	0
310	SK.	P I P I P	Bn Cp Bn	25 25 35	5	0	0		4	E D	1	D	1	D F	1			INTENSE PROPYLITIC ALT + SHEARING	1	0	1	0	2	3	0	2	2	1	0	1
320	SK	A P P P	Mo Mo Cp Bn	55 45 20	3	2	1		19	F	1	D Q F	1	F	0			PROPYLITIC ALT. WITH HEM + CO_3 SHEARS, MINOR CLAY + SERICITE	2	0	1	0	1	2	1	2	2	2	0	2
330	SK	Q P P P	Bn Cp Bn Bn Bn	50 Mo 10 10 20 10	9	2	1		20	Q F	1	Q D F	1	D Q F	2			AS ABOVE	1	0	0	0	1	2	0	2	1	1	0	3
340	SK	P I P I P	Mo Bn Mo Cp Bn	15 Q 20 25 10 Mo	5	5	0		11	F	1	D F	2	D F	i			INTENSE PROPYLITIC ALT WITH SOME CLAY ALT OF FELD + SOME KSPAR	2	0	0	0	2	2	1	2	2	2	0	3
350	SK	I P I P I	Bn Bn Mo Bn Bn	10 15 15 20 40 30	8	4	0		13		0	F D	1	F D	1			AS ABOVE	1	0	1	0	2	2	1	2	2	1	0	3
360	SK	P I P I P I P	Mo Bn Bn	25 15	2	0	0		15	F	0	D	1	F	1			AS ABOVE	2	0	0	0	1	3	2	2	2	0	0	2
370																														

Ft	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu		Mo		Ag		Cu eq
300	Mo BEARING FAULT 300-306 @ 60° ? INTENSE FRACTURING.	303 306 308	72	300 310	21565	.05		.010				.131
310	FRACT SKARNA, WEAK. MIN. BN DISSEM + HAIRLINE FRACT. SOME Cp	311 315 320	80	320	21566	.04		.003				.051
320	LIGHTLY FRACT SK. WEAK MIN., NOTE INCREASED TOURMALINE.	330	96	330	21567	.04		.004				.060
330	LIGHTLY FRACT SK. 1" QTZ/BN, CP, Mo @ 331 CO_3 ON FINE SHEARS @ 45° POSSIBLY LOW GRADE ORE	340	99	340	21568	.09		.006				.128
340	LIGHTLY FRACT SKARNA. POSSIBLY LOW GRADE ORE WITH Mo, 346' HEM, SMALL FAULT @ 25°	346	99	350	21569	.09		.015				.230
350	LIGHT FRACT SKARNA WEAKLY MIN WITH Mo VALUES.	351 360	99	360	21570	.05		.024				.306
360	LIGHT FRACT, CO_3 ON FRACTS, WEAK MIN.	365	81	370	21571	.05		.012				.154
370		371										

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH	GRAPH: Angle CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ		RQD	MIN. Cp m	MIN. Cp A	MIN. Mo m	MIN. Mo A	MIN. Bn m	MIN. Bn A	m	A
370	SK	P P P		50	0	0	1		0	D	1		0	D	1		
380	SK	P P P	Mo Mo Cp Cp Mo	15 10 45 45 35	2	3	0		12	F	1	F	1		0		
390	SK	P P P	Bn Cp Cp Epidote	15 15 60 Bn	4	0	0		19	F	1		0	F	0		
400	SK	P P P K	Mo Cp Bn Bn Mo Bn Cp	10 15 5 15 15 65	5	2	0		16	F	1	D F	1	F	1		
410	SK	K P P K	Bn Mo Bn Mo Mo	10 15 10 10 70 50	9	3	1		15	F	1	D F	2	D F	i		
420	SK	K A K K	Bn Cp Cp Cp	50 10 55 10 20	4	0	1		18	F	1		0	D F	1		
430	SK	A A A A	Bn Bn Cp Cp Bn Bn Bn	20 65 Cp 15 10 15 20 35	8	0	0		13	F D	1		0	D F	1		

Ft	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG
370	PROPYLITIC ALT WITH CLAY ASSOC. WITH FAULT.	2	0	1	0	3	3	2	3	3	0	0	0
380	PROP. ALT.	0	0	0	0	1	3	2	1	0	2	0	3
390	PROP. ALT.	0	0	0	0	0	3	3	1	0	0	0	3
400	PROP. ALT WITH 2 MU SELVAGES + KSPAR ALT. @405	3	0	2	0	2	2	1	3	2	1	0	2
410	KSPAR ALT + PROPYLITIC WITH MU SELVAGES + SOME CLAY	2	0	2	0	2	2	0	2	2	1	0	2
420	KSPAR ALT. WITH CLAY	3	0	1	0	2	2	0	2	2	1	0	1
430	INTENSE CLAY ALT. WITH SOME SERICITE ALT. + KSPAR	2	0	* 2 / 2	0	4	1	0	2	2	2	0	0

Ft	ROCK TYPE, NOTES	Block	REC	Ft	SAMPLE NUMBER	Cu		Mo		Ag		CuEq
370	MAJOR HEMATITIC FAULT ZONE WEAKLY MINERALIZED.	371 374 378 380	45	370 380	21572	.10		.010				.180
380	LIGHTLY FRACT. SKEENA. CHLORITIZED MAFICS WITH SOME Ep ON FRACTS. POOR. MIN.	389	96	390	21573	.04		.029				.363
390	LIGHTLY FRACT SKEENA. POOR MIN. 3" EPIDOTE VEIN. MAGNETITE + BORNITE ON FRACT. PARALLEL TO CORE	399	96	400	21651 ~~21574~~	.09		.018				.268
400	LIGHTLY FRACT. SKEENA WITH CO_3 VEINS + HEM @ 50°-65° INCREASED MINERALIZATION, Mo. Bn CO_3-HEM VEINING @ 65°	409	99	410	21652	.13		.017		.022		.299
410	AS ABOVE. WITH INC. Mo POSSIBLY LOW GRADE ORE WITH Mo.	419	99	420	21653	.11		.017				.275
420	HIGHLY ALT. SKEENA WEAKLY MIN. 422 - 1' ZONE OF CLAY, QTZ-CO_3 @ 50°	429	99	430	21654	.05		.007				.098
430	LIGHTLY FRACT. HIGHLY ALT. SKEENA * SERICITIC ALT. OF FELD.	439	99	440	21655	.12		.005				.197

HIGHMONT OPERATING CORPORATION

DDH # 84-384

OLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ ______ ______ STARTED ______

LOGGED ______ COMPLETED ______

Ft	Rock Type	Alt	Graph (Min.)	Angle to CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	From Block	Rec	Ft	Sample Number	Cu	Mo	Ag	CuEq
440–450	SK	A A A A m	Q Mo Bn; Q Mo Bn; cp Bn mo	25, 20, 15	10	4	3	17	Q F D	1	Q	3	Q D F	2	INTENSE ARG. ALT WITH A SMALL SECTION OF PHYLLIC, SERICITE ALT.	2	0	*3	0	4	1	0	3	1	2	0	0	3" QTZ VEIN WELL MIN WITH Mo Bn, MINOR cp. ORE GRADE Mo & Bn. * MU AS SELVAGES + FELD. ALT. CO_3 ON FINE SHEARS.	449	98	440–450	21656	.25	.078	.034	1.253
450–460	SK	P I P A A	Bn Bn Bn Bn mo	30, 30, 20, 40	8	2	1	17	Q	1	Q S	5	F D	2	INTENSE PROPYLITIC + ARGILLIC ALT.	2	0	2	0	4	1	1	3	2	2	0	0	HIGHLY ALT SKARN, LIGHT FRACT. 458–461 WELL Mo MIN QTZ VEIN AND BLACK Mo RICH GOUGE	457	99	450–460	21657	.11	.160	.017	2.215
460–470	SK (APLITE 20)	A A A A	cp mo cp Bn	15, 25, 30	3	2	1	6	F	1	Q F	2	F D	1	ARGILLIC ALT WITH KSPAR. MAG → HEM.	3	0	1	0	4	1	0	3	2	2		0	CORE LOSS FROM 460–461. FRACTURED ALT SKARN. SOME DISSEM Bn, To. NOTE APLITE STRINGER	461, 468	90	460–470	21658	.08	.025	.013	.349
470–480	SK	A A P P	mo Bn Bn Bn mo	10, 30, 30, 60 SPEC, 40	8	2	0	18	F	1	F D	2	F D	1	ARGILLIC ALT DECREASING TO PROPYLITIC	2	0	0	0	3	2	0	2	1	1	0	2	DECREASING FRACTURING. WEAK HAIRLINE MIN + SOME DISSEM. 475' SPECULARITE VEIN WITH Bn.	471, 473	96	470–480	21659	.12	.020	.013	.323
480–490	SK	P P P	cp cp cp Bn cp mo Bn	25, 20, 25, 20, 25, 25, 15	8	1	0	14	F	1	F	1	F	1	PROPYLITIC ALT.	1	0	1	0	0	2	1	1	0	1	0	3	UNFRACT WEAKLY ALT. SK. WEAKLY MIN ON VERY FINE FRACTURES.	481	97	480–490	21660	.06	.010		.141
490–500	SK	P P P P	Bn cp	45, 15	2	0	1	13	F	0	D	1	Q	0	PROP. ALT TO UNALT.	0	0	0	0	0	3	2	1	1	0	0	3	UNFRACT WEAKLY ALT. SK. ALMOST UNMIN. SOME DISSEM Mo	491, 494	97	490–500	21661	.06	.007		.108
500–510	SK	P P P	Bn cp Bn	10, 50, 30	2	0	1	20	F	0		0	F	1	PROP ALT TO UNALT	0	0	*2	0	1	2	1	1	2	1	0	3	505' QTZ, HEM, SERICITE SHEAR ZONE @ 50°. * SERICITIZED FELDSPARS	501, 511	98	500–510	21662	.06	.008		.118

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	Rock Type	Alt	Graph	Angle CA	Fract Cu	Fract Mo	Fract Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	Alteration Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	Rock Type, Notes	Block	Rec	Sample Number	Cu	Mo	Ag	CuE
510–520	SK	P P P P	Q BN BN BN Q BN Q	15 MO 25 35 50 15 Q	6	2	3	11		0	Φ	1	F	1	PROPYLITIC ALT. SOME KSPAR.	1	0	0	0	0	2	1	2	1	1	0	3	MODERATELY FRACT SKARNA; SPECULARITE VEIN @ 518; SUB-ORE MINERALIZATION.	510–517	98	21663	.13	.011		.282
520–530	SK	P P P P	BN BN CP BN CP	TO 90 20 20 20 30	8	0	0	7	F	1		0	F	1	AS ABOVE	2	0	0	0	1	2	0	3	2	2	0	3	MODERATELY FRACT SKARNA, HEMATITIC FRACTURES + CO_3; WEAK MINERALIZATION.		98	21664	.07	.006		.108
530–540	SK	P P P	BN CP BN MO SC MO	30 50 30 25 Φ 75 70 15	8	3	1	14	F D	1	Φ S	1	F	1	PROPYLITIC ALT WITH KSPAR, CLAY + CO_3 WITH FAULT.	2	0	1	0	2	2	1	3	2	2	0	2	FRACTURING ASSOC. WITH HEMATITIC FAULT @ 75°; INCREASED MO MIN.; CO_3-MO-TO SHEAR @ 70°		97	21665	.14	.027	.024	.461
540–550	SK	P Φ P K K K	BN MO BN	10 40 BN 40 20 30 20 MO	4	3	3	13	F	0	Φ	3	F	1	PROPYLITIC ALT WITH KSPAR 545-550	3	0	0	0	2	3	1	3	2	0	0	2	CO_3 SHEARING IN LIGHTLY FRACT SKARNA. ORE GRADE MO, MINOR Cu; 1' WELL MIN QTZ-MO @ 550		95	21666	.13	.104	.024	1.493
550–560	SK / 60° ΦF	K P P P	BN MO BN BN	20 60 20 5	6	2	1	14	Φ F	1	Φ S	3	F	1	PROPYLITIC ALT. SOME KSPAR	1	0	0	0	1	2	1	2	1	0	0	2	QFP CONTACT @ 60°; ORE GRADE MO, MINOR Cu		99	21667	.11	.088	.024	1.248
560–570	P ΦF P / SK	P	BN CP BN	25 HEM CO_3 40 40 BN	4	0	1	19	Φ	1		0	F	1	PROPYLITIC + CLAY ALT CO_3 + HEM FAULT ZONE	1	0	0	0	2	2	2	3	3	0	0	2	LOWER CONTACT OF QFP @ 40°; WEAK MIN.; CO_3 + HEM FAULT ZONE.		99	21668	.11	.005		.137
570–580	SK		CP CP CP Φ	15 15 30 65	4	0	0	20	F	1		0		0	PROP ALT WITH HEM + CO_3 SHEARS	1	0	0	0	1	4	3	2	2	0	0	2	ABUNDANT HEALED SHEARING, MINOR CHLORITIC FRACTURE BRECCIA. WEAK MIN.		99	21669	.12	.009		.189

HIGHMONT OPERATING CORPORATION

DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ CORE SIZE ______

DEPTH ______ LOGGED ______ STARTED ______ COMPLETED ______

Ft	GRAPH Rock	GRAPH Alt	GRAPH Min	Angle CA	FRACT Cu	FRACT Mo	FRACT Qtz	RQD	Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	m	A	ALTERATION DESCRIPTION	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	Block	Rec	Ft	SAMPLE NUMBER	Cu	Mo	Ag	CuE
580–590	SK	P P A	An Cp Mo An	25 25 30 20 50 50	3	2	0	8	F D	1	S D	2	F D	1			PROPYLITIC AND ARG. ALT. ASSOC WITH FAULT ZONE	1	0	1	0	4	2	0	3	2	1	0	0	FRACT SKEENA & CLAY ALT SHEAR ZONE. Mo + BN ON SHEARS IN SHEAR ZONE ALSO CO_3	586	98	580–590	21670	.14	.011		.231
590–600	SK	P P P P	An Bn Bn Bn	HEM 25 45 25 50	5	0	1	16	F	1	D	0	F Φ D	1			PROPYLITIC ALT. WITH KSPAR ALT.	2	0	1	0	2	2	1	1	2	0	0	1	LIGHTLY FRACT' SK. WEAKLY MIN.	591	88	590–600	21671	.06	.006		.098
600–610	CO_3 SK	P P P P	Φ Cp Bn Bn Cp	20 60 10 20 10	3	0	0	19	F	1		0	F	1			AS ABOVE SOME SERICITE	2	0	1	0	1	2	1	3	2	1	0	2	LIGHTLY FRACT. 2" CALCITE @ 604' 60° WEAK MIN.	601	99	600–610	21672	.09	.006		.128
610–620	SK	P P P P	Mo Cp Bn Mo Cp	40 10 10 10 20	7	2	0	19	F	1	F	1	F	1			PROPYLITIC ALT.	0	0	0	0	0	3	1	1	1	0	0	3	UNFRACT. WEAKLY MIN. SKEENA	611	99	610–620	21673	.08	.004		.099
620–630	SK QFP	P P	Bn	20 24	4	0	0	8	F	0		0	F	1			PROP. ALT.	0	0	0	0	1	2	1	2	1	0	0	2	BLOCKY FRACT IN QFP.	621 627	95	620–630	21674	.05	.002		.052
630–640	QFP	A A A P		30 5	0	0	0	5		0		0		0			CLAY & HEM. ALT.	0	0	0	0	4	1	0	3	3	0	0	0	SHEARED & FRACT QFP. HEM. BRECCIA 636-637 WEAK MIN.	637 640	83	630–640	2675	.03	.003		.042
640–650	20 SK 70 QFP 30 SK	P P P P P	Bn	30 70	1	0	0	12		0		0	D F	1			PROP. ALT.	1	0	0	0	1	2	1	2	2	0	0	1	LIGHT FRACT WEAK MIN.	646	99	640–650	21676	.04	.006		.079

HIGHMONT OPERATING CORPORATION

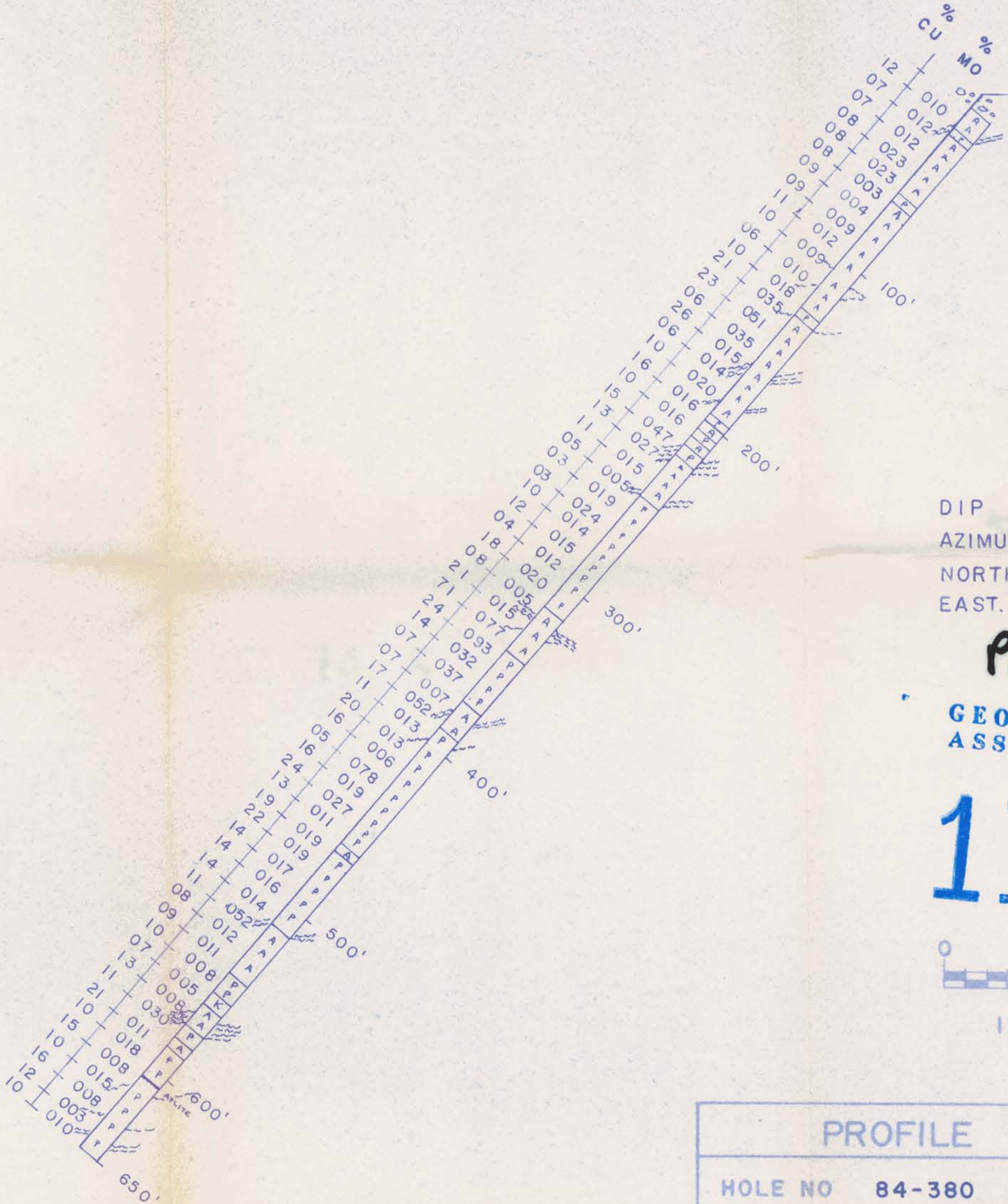
DDH # 84-384

COLLAR: EAST ______ NORTH ______ ELEV ______ AZIMUTH ______ DIP ______ TESTS ______ ______ CORE SIZE ______

DEPTH ______ LOGGED ______ ______ STARTED ______ COMPLETED ______

Ft	GRAPH: Rock Type	GRAPH: Alt	GRAPH: Angle to CA	FRACT: Cu	FRACT: Mo	FRACT: QTZ	RQD	MINERALIZATION: Cp m	Cp A	Mo m	Mo A	Bn m	Bn A	ALTERATION: Description	KF	BI	MU	PY	CLAY	CL	EP	CARB	HEM	TO	LIM	MAG	ROCK TYPE, NOTES	Block	Rec	Ft	Sample Number	Cu	Mo	CuE
650–660	SK (QFP at top)	P P P	Bn 30, Cp 10, Bn 25	4	0	0	16	F	1	D	1	F	1	PROP. ALT WITH SOME KSPAR CO_3 SHEARS	2	0	0	0	1	2	0	3	1	0	0	3	HIGHLY FRACT SKEENA WITH A SMALL QFP DYKE + APLITE STRINGERS.	654	99	650 / 660	21677	.07	.008	.120
660–670	SK	P P P P	Bn 55, Cp 40, Cp 60, Bn 20, Bn 10, 55 Mo, Cp 60	10	2	1	9	Q F	2	D Q F	1	D F	1	PROP ALT. SOME SER. ALT. OF FELD.	1	FRESH Bi	* 1	0	0	2	1	2	1	0	0	3	HIGH TO MOD. FRACT POSSIBLY LOW GRADE ORE. *SER. ALT OF FELDSPAR.	661 / 666	98	670	21678	.12	.010	.200
670–680	SK	P P P	Cp 20, Cp 50, Mo 15, Cp 20, 70	6	1	0	3	F	1	D F	1		0	PROPYLITIC TO UNALT.	1	FRESH Bi	0	0	0	1	1	1	1	0		3	MODERATELY FRACT SK. WEAK MIN.	673 / 679	98	680	21679	.08	.007	.128
680–690	SK / QF (contact 30)	P	Cp 70, Bn 20, Bn 40, Bn Cp 30	5	1	0	9	F	0	F	1	F D	1	PROPYLITIC ALT WITH SOME CLAY	1	0	0	0	1	1	0	2	0	0	0	1	SKEENA + QFP. WELL FRACTURED.	683 / 687	99	690	21680	.05	.006	.088
690–700	P / SK (contact 60)	P P	Cp 25, Cp 45	2	0	0	9	F	1		0		0	PROP. ALT CHLORITIC SHEARS + FRACT	1	0	0	0	1	3	1	2	1	0	0	2	WELL FRACT BUT ESSENTIALLY UNMINERALIZED SKEENA.	697	98	700	21681	.06	.007	.108
700–703	SK	P	35																								EOH 703	701 / 703		703				
710																														710				


IDE 8
IDE 6
IDE 3
ANN 3 FR
IDE 1
AM 1
ANN 6 FR
NEW ANN 11 FR
AM 32 FR
IDE 4
IDE 16
ANN 4 FR
IDE 2
MINING LEASE 14
IDE 14
IDE 15
ANN 18 FR
IDE 12
ANN 19 FR
IDE 13
MINING LEASE 9
IDE 10
IDE 11
IDE 9
AM 12
84-381
84-383
84-384
84-380
84-382
75 000N
74 000N
73 000N
72 000N
71 000N
107 000E
108 000E
109 000E
110 000E
111 000E
112 000E
113 000E
114 000E
N
GEOLOGICAL BRANCH
ASSESSMENT REPORT
13,257
PART 2 OF 2
0 100 200 300 400 500'
1 : 2400
HIGHMONT OPERATING CORP.
LOGAN LAKE
LEASE AND CLAIM BOUNDARIES
(BCLS)
1984 DRILLING PROGRAM
GRS
OCT 84
1" = 200'
GD-16



DIP -50°
AZIMUTH 161°
NORTH. 74148.99
EAST. 110270.09

PART 2 OF 2

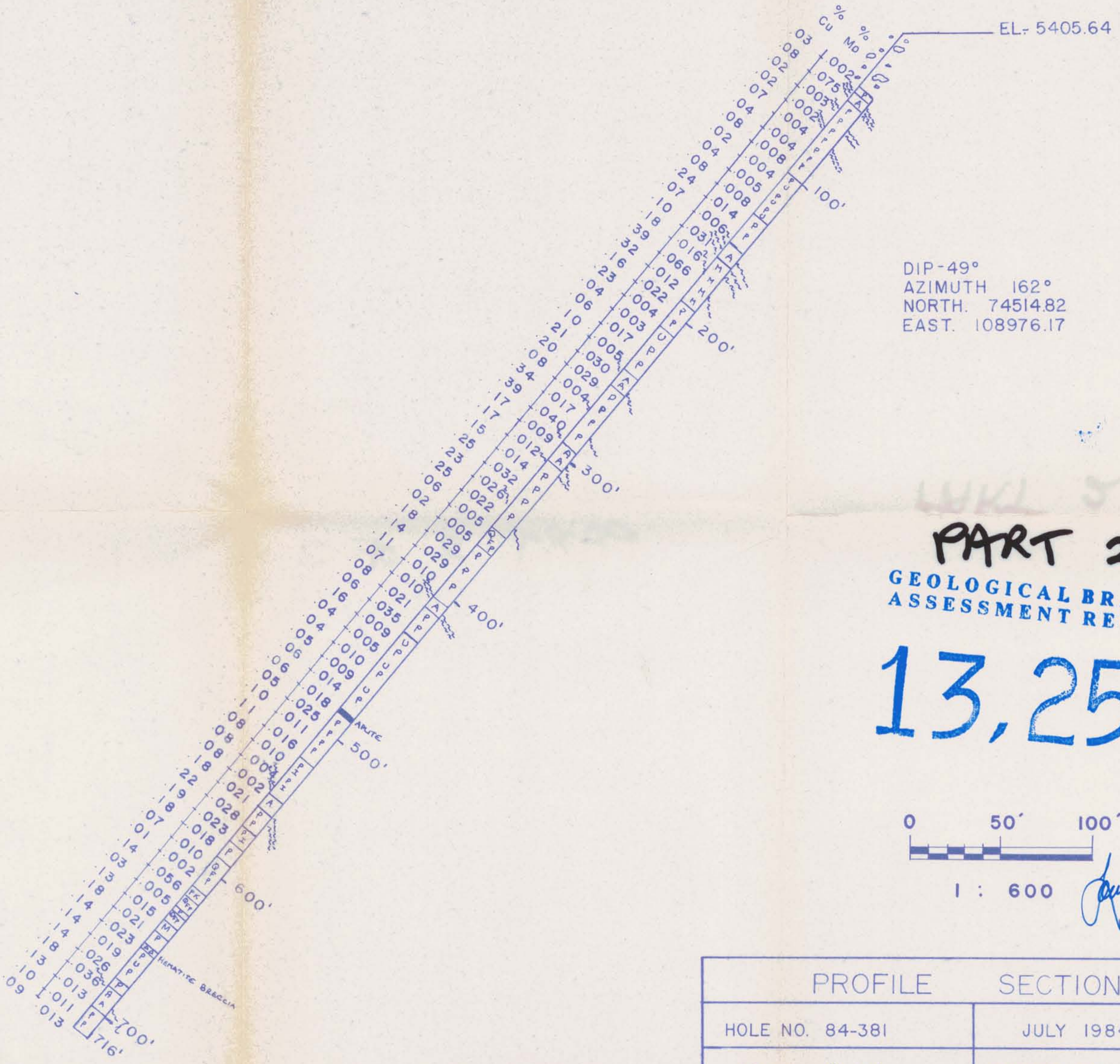
GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,257

0 50' 100'

1 : 600

PROFILE SECTION	
HOLE NO 84-380	JULY 1984
SCALE 1" = 50'	FIGURE NO. GC-03A
LOOKING WESTERLY	DWN BY GRS CHK BY GRS



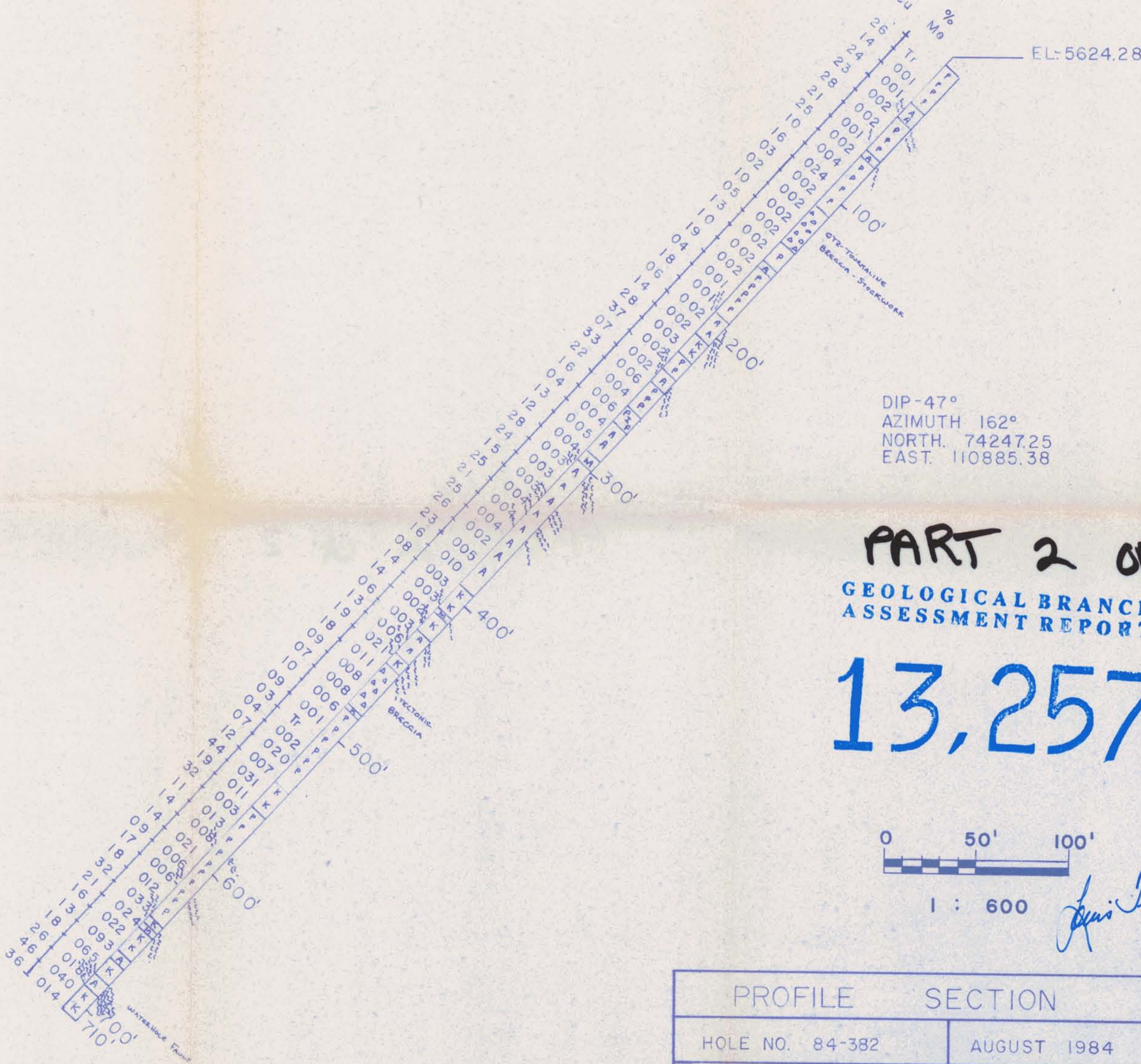
DIP-49°
AZIMUTH 162°
NORTH. 74514.82
EAST. 108976.17

PART 2 OF 2

0 50' 100'

1 : 600

PROFILE SECTION	
HOLE NO. 84-381	JULY 1984
SCALE 1"= 50'	FIGURE NO. GC-03B
LOOKING WESTERLY	DWN BY CHK BY GRS



DIP -47°
AZIMUTH 162°
NORTH. 74247.25
EAST. 110885.38

PART 2 OF 2

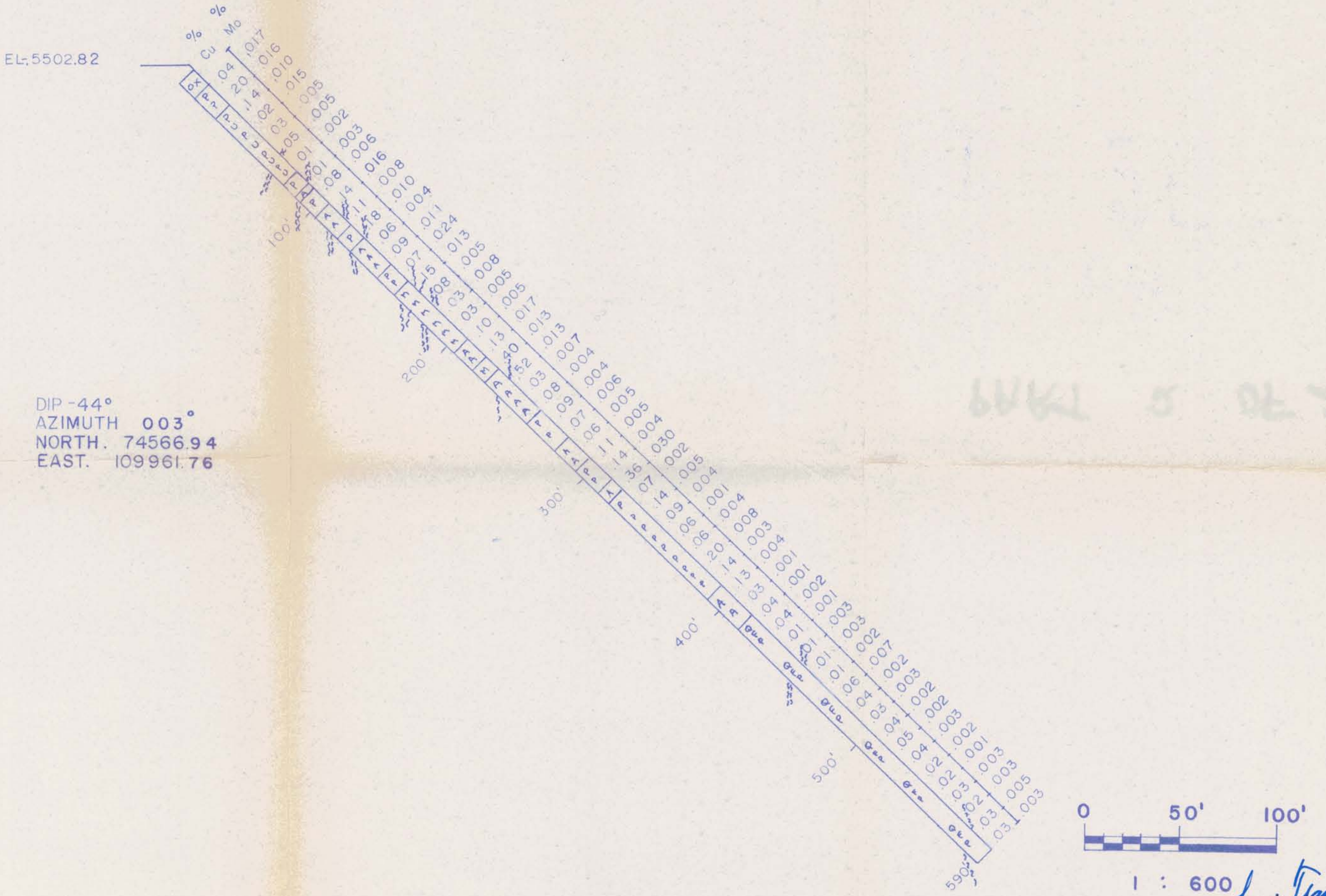
GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,257

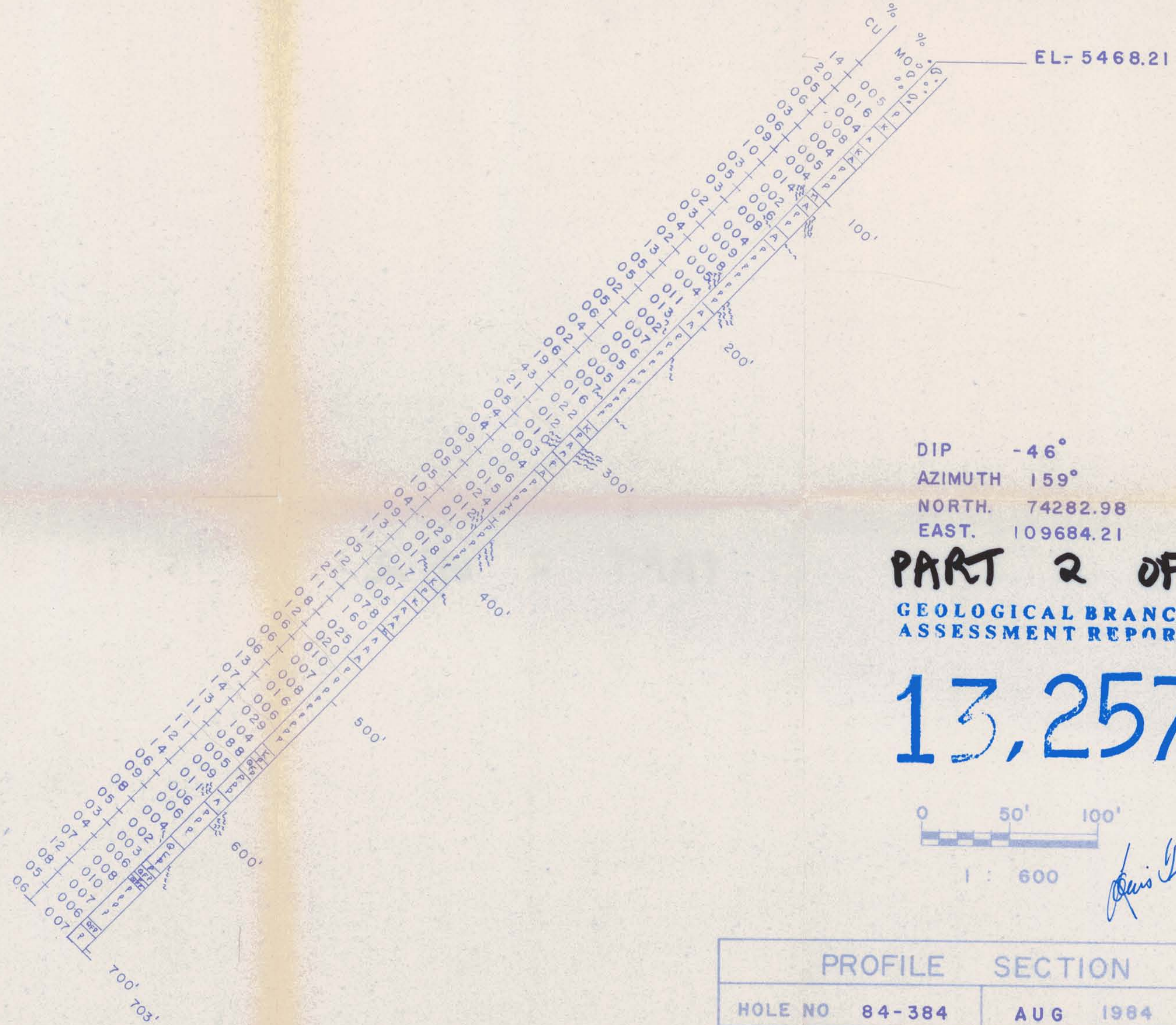
0 50' 100'

1 : 600

PROFILE SECTION	
HOLE NO. 84-382	AUGUST 1984
SCALE 1" = 50'	FIGURE NO. GC-03C
LOOKING WESTERLY	DWN BY CHK BY GRS



PROFILE SECTION	
HOLE NO 84-383	AUG 1984
SCALE 1" = 50'	FIGURE NO. GC-03D
LOOKING WESTERLY	DWN BY CHK BY GRS



DIP -46°
AZIMUTH 159°
NORTH. 74282.98
EAST. 109684.21

PART 2 OF 2

0 50' 100'

1 : 600

PROFILE SECTION	
HOLE NO 84-384	AUG 1984
SCALE 1" = 50'	FIGURE NO. GC-03E
LOOKING WESTERLY	DWN BY GRS CHK BY GRS