DIAMOND DRILLING REPORT
ON THE
POTHOOK ZONE

50° 39' N, 120° 30' W, NTS 92I/10E

KAMLOOPS MINING DIVISION

AFTON OPERATING CORPORATION

BY

LORNE A. BOND

SENIOR GEOLOGIST

December 18, 1986 Kamloops, B.C.

KAMLOOPS

NOTE NEW COMMODITY: FAME REPORT (M24) 15713

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S): DRILLING

TOTAL COST: $ 108,099.92

AUTHOR(S): L. A. Bond

SIGNATURE(S):

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED: Jan. 7/87

YEAR OF WORK: 1986

PROPERTY NAME(S): POTHOOK ZONE

COMMODITIES PRESENT: Cu, Au

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN: 92I/NE-23

MINING DIVISION: Kamloops

NTS: 92I/10E

LATITUDE: 50°39'

LONGITUDE: 120°30'

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

Lot 1029

OWNER(S):

(1) Afton Operating Corp.

(2)

MAILING ADDRESS:

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

(1) as above

(2)

MAILING ADDRESS:

as above

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

Ore occurs within alkalic porphyry intrusive rocks of the Iron Mask pluton. The Pothook Zone mineralization has been altered to native copper and chalcocite.

REFERENCES TO PREVIOUS WORK: A.R. 15775, 6268, 6209, 5998, 5180, 3554, 1677, 1011, 891, 879, 727, 192, 141, 60, 5271

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core DIAD	2462.5m; 21 holes; NQ	Lot 1029	
Non-core			
RELATED TECHNICAL			
Sampling/assaying SAMP	673; Cu, Au, Ag	Lot 1029	108,099.92
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	108,099.92

FOR MINISTRY USE ONLY		NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)	108,099.92				
Value of work approved					
Value claimed (from statement)					
Value credited to PAC account					
Value debited to PAC account					
Accepted	Date Feb.23/88	Rept. No 15713			Information Class (2)

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1.0 INTRODUCTION

The Pothook Zone is situated on the mining leases of Afton Operating Corporation located some 13 kilometers west of the City of Kamloops, B.C., and immediately south of the Trans-Canada Highway (Fig. 1). Specifically, the Pothook Zone is situated on Production Lease Lot 1029. The entire property lies within the Kamloops Mining Division.

Property elevations range from 670 to 730 meters above sea level. The surrounding area consists of undulating rangeland covered with grasses and sagebrush with scattered Ponderosa pine growth. Glacial deposits are common with some thick buildups of till in drumlinoid and morainal features.

The Pothook Zone is the original discovery zone on the property and has been the object of intermittent exploration since a shaft was sunk in 1898. It is located some 760 meters south of the main Afton open pit and plant complex and 600 meters north of the southwest margin of the Iron Mask pluton (Fig. 2).

Mining operations have been on-going at the Afton site since 1977. With declining reserves in the main pit, accelerated exploration was required to define additional reserves. The Pothook Zone had the best potential for another open pit operation and consequently become the target for the current program beginning in 1984.

2.0 SUMMARY OF PREVIOUS WORK

Initial exploration in the Pothook area began as early as 1898. At that time, a shaft was sunk to a depth of 101 meters and lateral development carried out on several levels:

75 Level ---- 12 m. of drifting
150 Level ---- 74 m.
240 Level ---- 98 m.
330 Level ---- 26 m.

Bornite and chalcopyrite were reported in these workings as well as in trenches 30 meters northeast of the shaft.

The modern era of exploration began in 1949 when Axel Borgland staked 8 claims over the Pothook workings, labelling them the 'Afton Group'. From 1949 to 1960, several companies optioned the ground and adjacent areas and conducted exploration. Notable among them was Kennco Explorations (Canada) whose personnel carried out a drilling program in 1952 consisting of 12 diamond drill holes totalling 1300 meters.

Afton Mines, under the direction of C. F. Millar, did extensive percussion drilling on the property during 1964-65. In all, 54 holes totalling 2815 meters were completed. Results of this drilling were somewhat incomplete and sporadic. None of the early programs did any systematic analyses for precious metals.

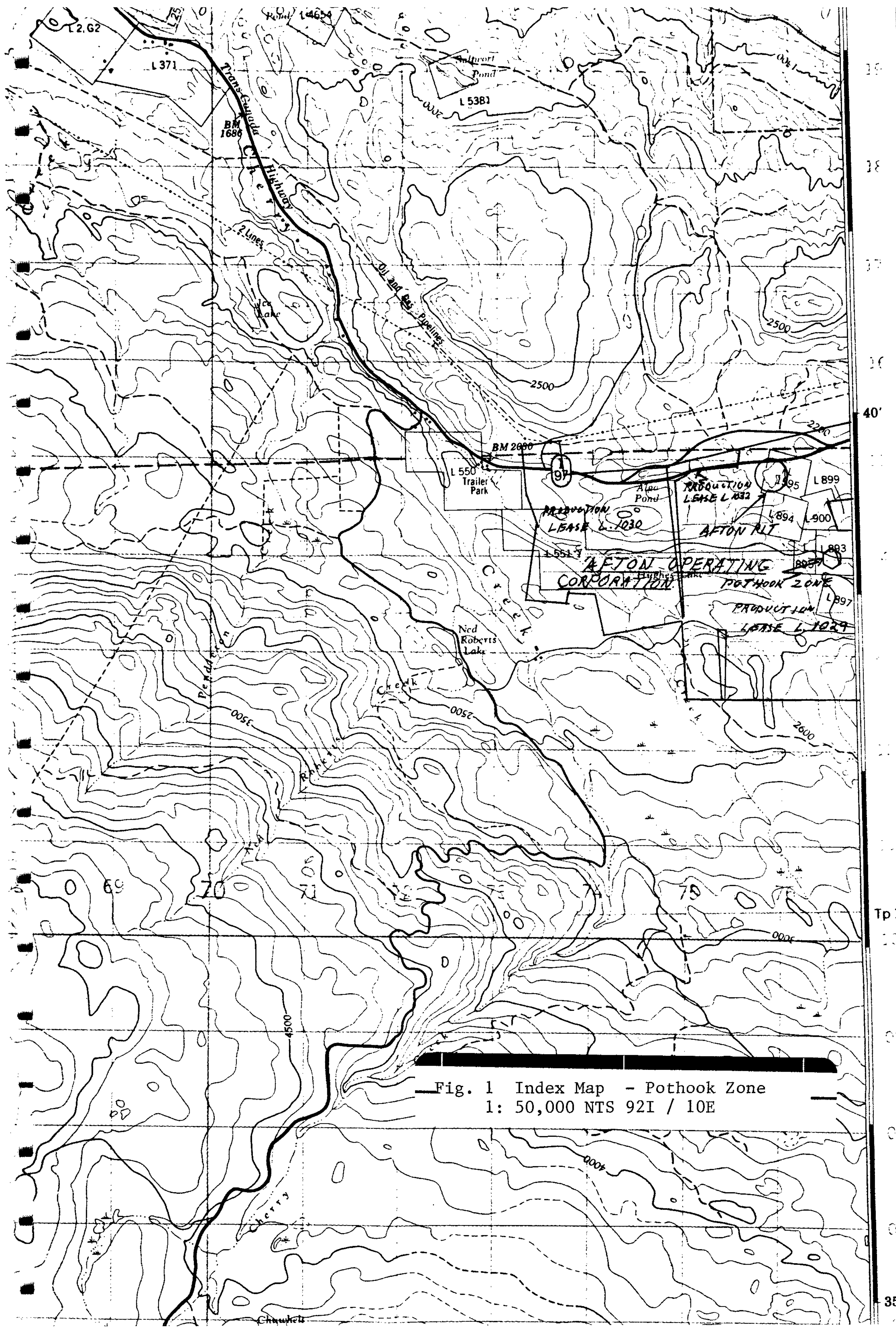


Fig. 1 Index Map - Pothook Zone
1: 50,000 NTS 92I / 10E

With the drilling of the Afton discovery hole in 1970, interest in the Pothook waned and no further work was performed until the current phase began.

Starting in 1981, a detailed examination of the Pothook Zone was undertaken to determine if an economic reserve could be established. In 1984, 2 diamond drill holes totalling 168 meters confirmed the prescence of significant copper and gold mineralization. The following year a large program tested the entire strike length of the Pothook area on sections 61 meters apart to a depth of 91 meters below surface. A strike length of some 915 meters was covered. In total, 3293 meters of NQ diamond drilling in 27 holes was completed in the main program. From this drilling, potentially economic zones were defined for detailed fill-in drilling in the 1986 program.

In 1986 application was made to the Exploration British Columbia program for assistance in completing this final phase of drilling.

3.0 CURRENT PROGRAM

During 1986, a program of fill-in drilling was carried out to bring geological reserves in the Pothook Zone to drill-indicated status and to test for possible continuity to depth. These objectives were achieved.

A total of 2462.5 meters of NQ diamond drilling was completed in 21 drill holes. All core was geologically logged. Recovery and RQD measurements were taken and the core photographed. Rock strength testing was performed on selected pieces of core from all rock types. Core to be assayed was split and one-half retained for core storage. The other half was bagged and sent to the property analytical lab for copper, gold, and silver assays. Afton personnel supervised the program, processed the core, and provided survey control in the field. All core from the program is stored at the minesite.

In the lab, core samples were crushed in two stages utilizing a jaw crusher and a cone crusher. Sample volume was reduced to 250 grams using a Jones riffle. This smaller sample was then pulverized. Reject material from the splitter was bagged, labelled and stored.

Assays for copper were performed by dissolution followed by atomic absorption spectrophotometry analysis. Gold assays were performed by fire assaying with atomic absorption analysis of the resultant bead in a methyl isobutyl ketone medium. Silver assays were carried out acid dissolution followed by atomic absorption spectrophotometry analysis.

POTHOOK PIT

- location -

Scale

0	1000	2000	3000	feet
0	300	600	900	meters

Figure 2

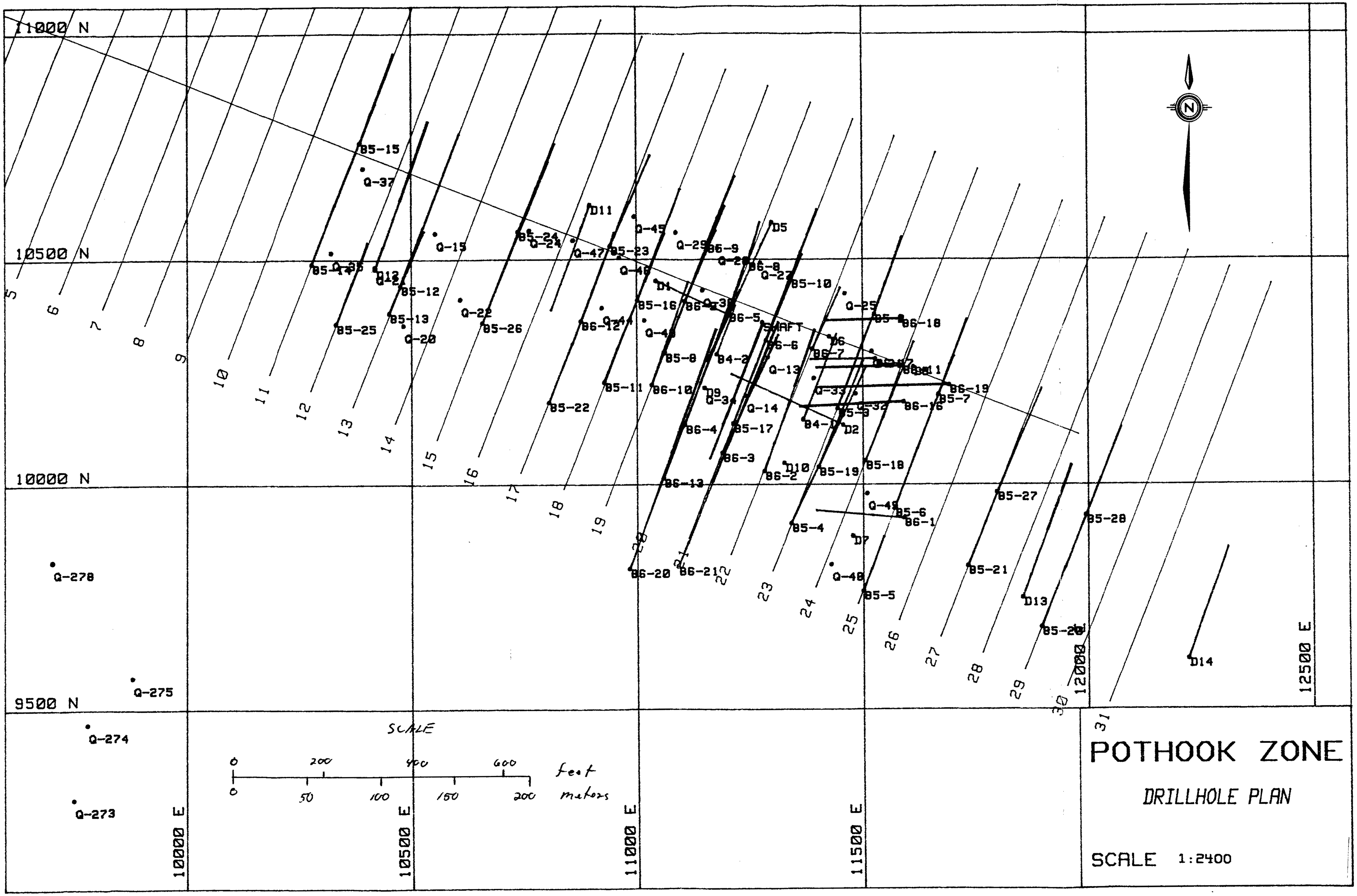


Figure 3. Drill Hole Plan

Geological, assay, and survey data from the drilling program were stored on computer files using an in-house HP9845A computer and locally developed software. This data base was then available for computer-generated plans and sections, statistical analyses, compositing, ore reserve modelling, and pit optimizations.

The 1986 program firmed up an economic open pit tonnage which is scheduled to be developed in mid-1987. the following sections summarize the geology of the deposit, as derived from core logging, and the calculation of geological and open pit ore reserves.

4.0 GEOLOGY - ROCK TYPES AND ALTERATION

All rock units encountered within the Pothook area are varieties of Iron Mask intrusive rocks or the comagmatic and coeval Nicola Volcanic rocks(Cockfield, 1948; Carr and Reed,1976; Northcote, 1974).

The main rock type encountered in the Pothook deposit is a fine-grained pyroxene diorite(Fig. 4). This unit can be correlated with the grey diorite unit identified in Afton pit mapping. It is also the predominant host for copper-gold mineralization. The pyroxene diorite appears fine-grained at first glance but is often a microdiorite porphyry with tiny plagioclase phenocrysts. The pyroxene diorite intrudes the other abundant rock type, a highly altered mafic unit composed largely of secondary amphibole minerals. Contained fragments of the latter unit give a marked intrusive breccia character to sections of pyroxene diorite intersected in core.

The mafic unit is intensely altered and now consists largely of tremolite-actinolite mineralization. In less altered areas , tiny plagioclase phenocrysts make up 15-20% of the rock. Locally the unit contains magnetite in rounded grains. Alteration of the remaining rock mass is variable but consists typically of calcite and hematite. This unit has been labelled an amphibolite based on present composition. Judging by the remnant plagioclase, the original rock was probably an andesite porphyry, likely an inlier of Nicola Volcanics caught up in later intrusions.

South of the main amphibolite mass, and largely outside the current area of interest, is an intrusive body of porphyritic hornblende diorite logged as the Iron Mask Sugarloaf unit. This unit, intersected in drill holes 86-20 and 86-21, is generally fresh looking, exhibits weak propylitic alteration, and has minor disseminated pyrite throughout. Other rock types noted in the Pothook pit area include small dyke-like syenite bodies of the order of ten feet in width. To the west and at depth, a coarse-grained phase of pyroxene diorite was intersected in drilling. Intense albitization of the fine-grained pyroxene diorite has formed a creamy-white rock mapped as bleached diorite. These altered rocks tend to be localized around zones of strong faulting.

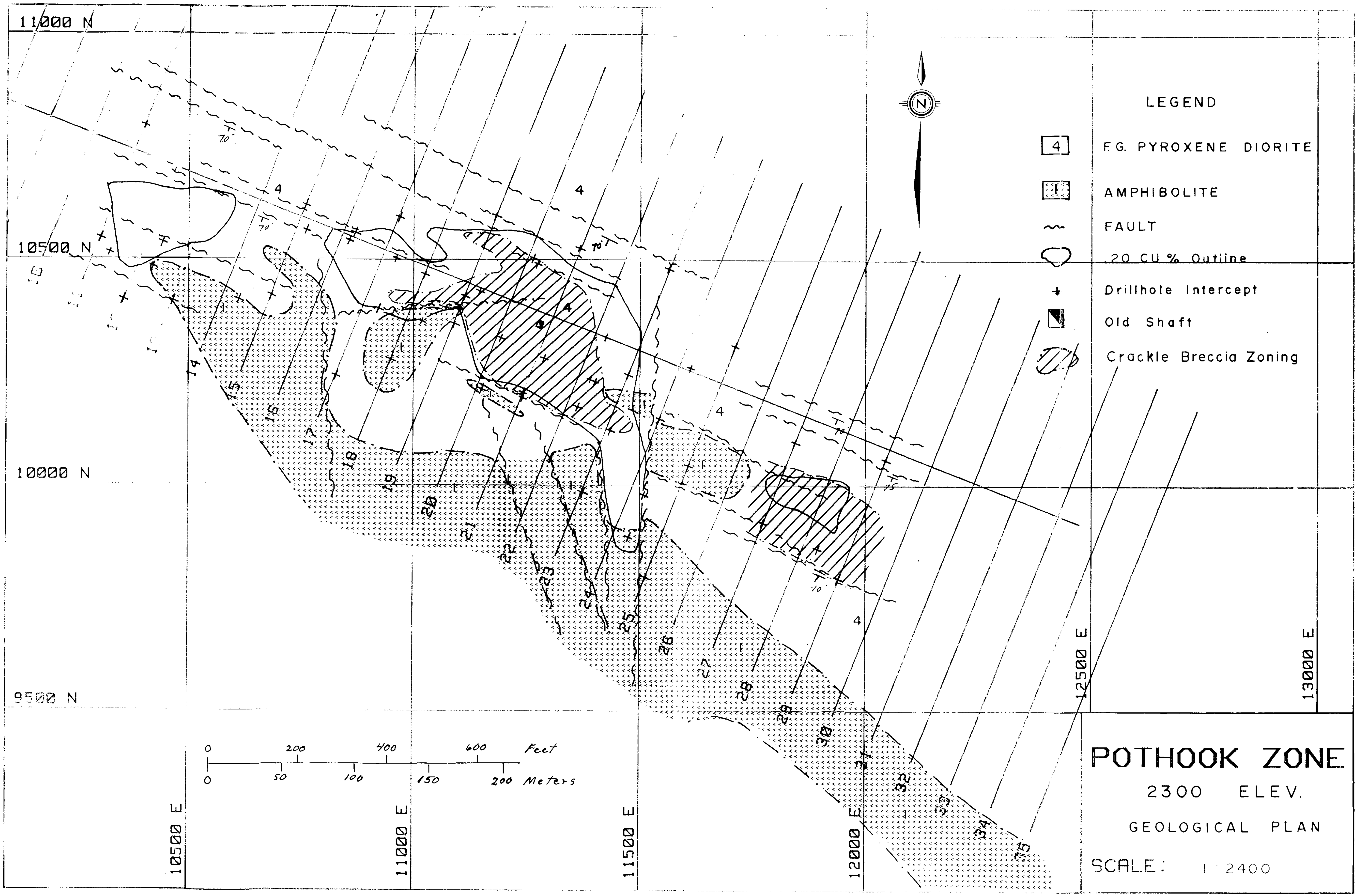

LEGEND
4 F.G. PYROXENE DIORITE
1 AMPHIBOLITE
FAULT
.20 CU % Outline
Drillhole Intercept
Old Shaft
Crackle Breccia Zoning
11000 N
10500 N
10000 N
9500 N
10500 E
11000 E
11500 E
12000 E
12500 E
13000 E
0 200 400 600 Feet
0 50 100 150 200 Meters
POTHOOK ZONE
2300 ELEV.
GEOLOGICAL PLAN
SCALE: 1:2400

FIG. 4

The Pothook Zone exhibits hydrothermal alteration sequences typical of an alkaline porphyry copper system. Potassic and propylitic alteration sequences are confined to the diorite and syenite units. Alteration of the andesite porphyry to amphibolite occurred at a stage prior to the potassic alteration phase.

In the fine-grained and coarse-grained diorites, the earliest observed alteration is a phase of albitization. Intensity of alteration ranges from creamy-white albite envelopes formed along microfractures to the development of pervasively albitized zones. This was succeeded by a period of potassic alteration represented by veinlets, veins, and envelopes of pink K-spar accompanied by less frequent biotite. The entire Pothook area falls within a zone of propylitic alteration. The most common propylitic minerals are chlorite, epidote, calcite and possibly additional albite. Calcite is ubiquitous and formed throughout the alteration period ending with a final pulse of white calcite veining.

An association is evident between epidote, magnetite, and chalcopyrite and the supergene equivalents of hematite, native copper, and chalcocite. Patches, blebs, and vein fillings of this assemblage are common indicating that chalcopyrite-magnetite mineralization is contemporaneous with late stage propylitic alteration.

4.1 STRUCTURAL CONTROLS

The Pothook Zone has undergone extensive faulting and brecciation. Much of the core logged shows the effect of local and more through-going structures. Brecciated and broken sections of core related to associated faulting are common. The rocks are generally well-jointed.

The dominant fault orientation is WNW-ESE. Azimuths are in the range of 90-130 degrees. Steep southerly dips are the norm. These faults are the broad control for rock emplacement and ultimately for mineralization(Fig. 5). They are very prominent and easiest to trace in the footwall of the mineralized zone. On the hangingwall side, the amphibolite unit has its longest dimension along this strike but contacts are disrupted by apparent crossing structures and by the "stoping" effect of the diorite intrusions. A second less prominent direction of faulting is along a north to north-northwest axis. At present, these structures are defined largely by rock type and mineralization changes noted during core logging.

Rocks in the Pothook area are moderately to intensely jointed. In the diorite, calcite and chlorite are common joint fillings. Calcite and chlorite were ubiquitous in the amphibolite as well, with more local but common development of talc, serpentine and asbestos minerals.

The most well mineralized ground in the main shaft area is coincident with "crackle breccia" development. The crackle breccia can best be defined as a type of shatter zone, being the result of cracking of a relatively brittle rock by movement on sets of interacting structures. The rock has a slightly bleached appearance suggesting that albitization has contributed to the brittle character. In core, the rock is cracked and shattered down to a relatively small scale.

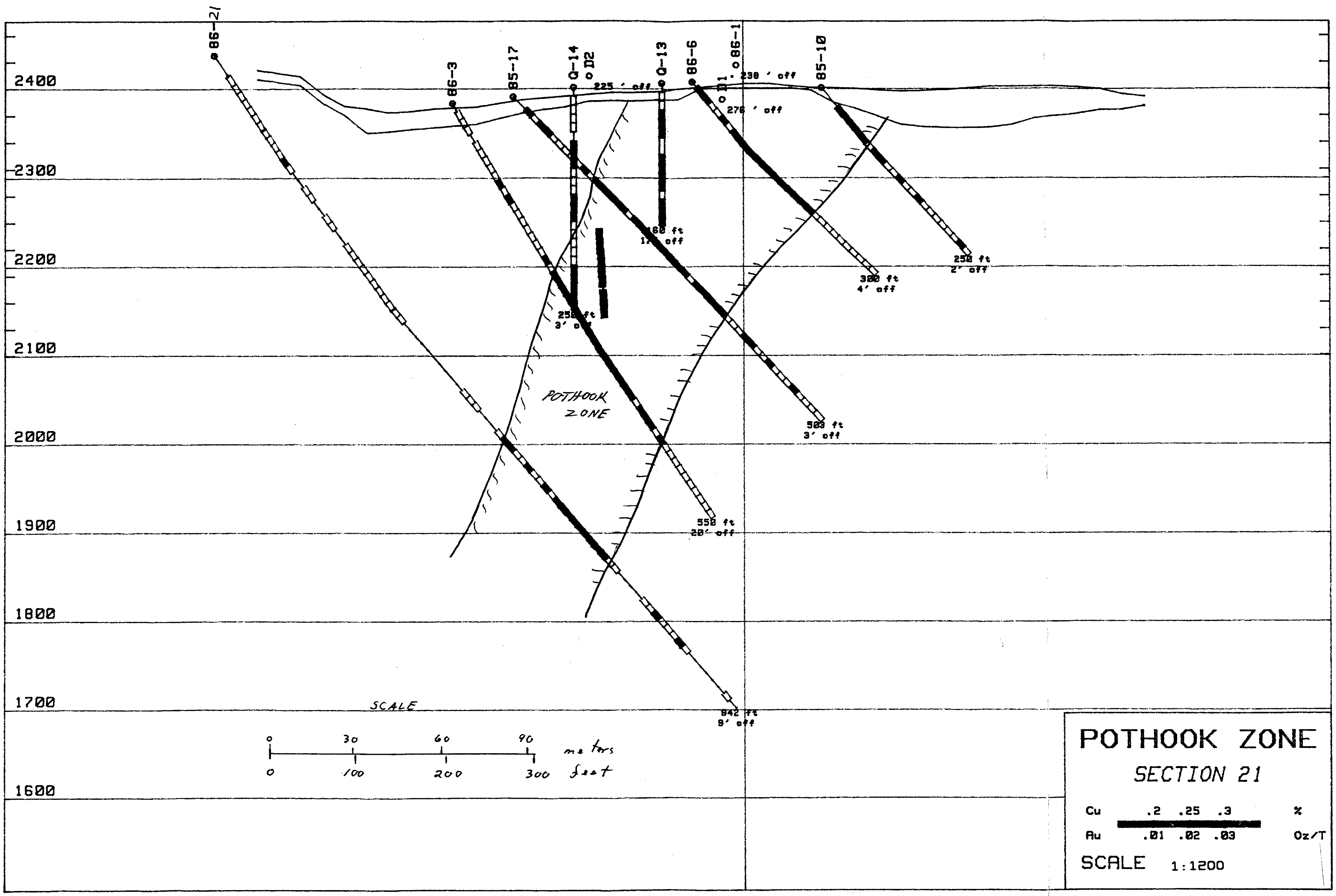
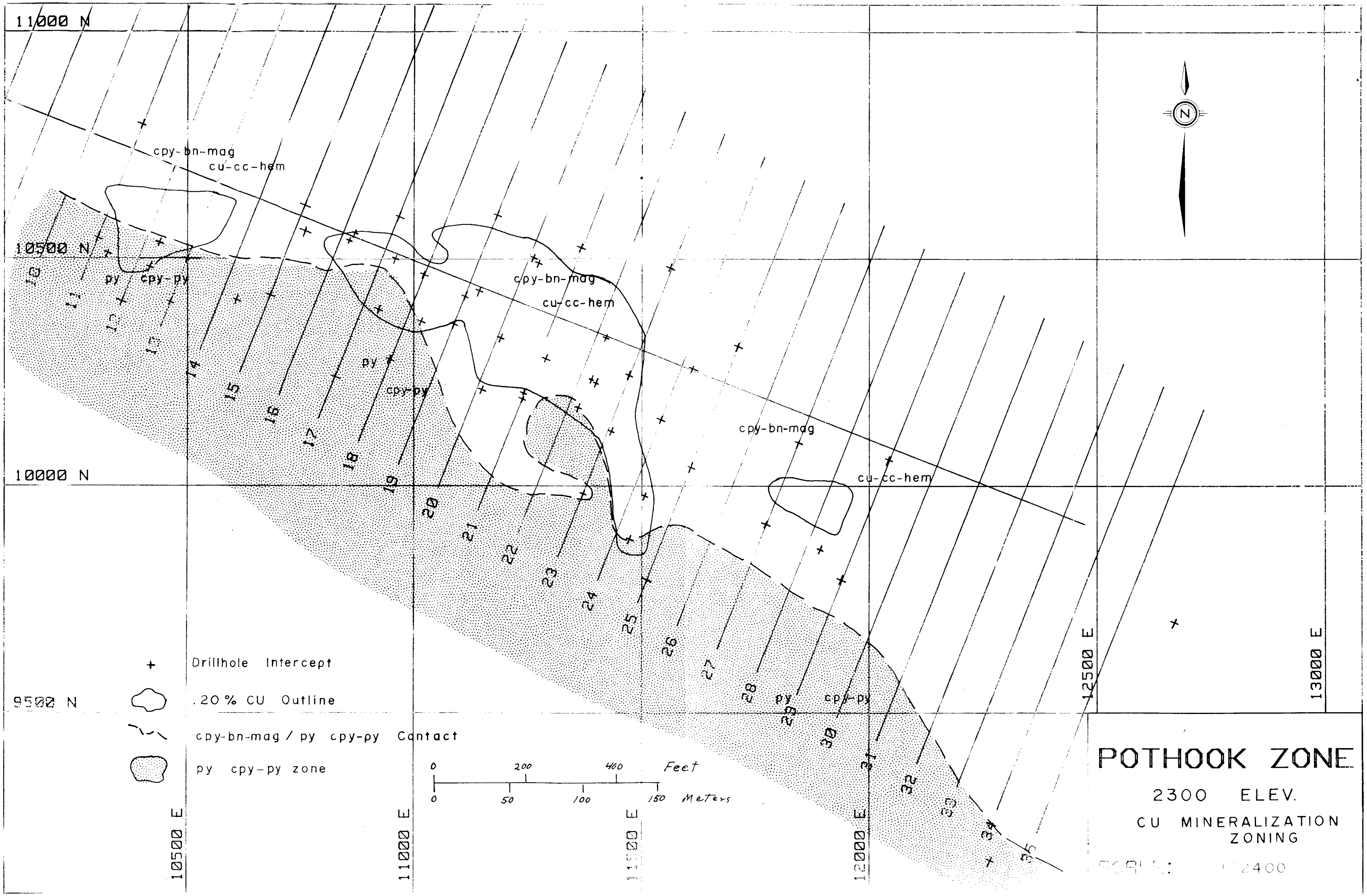


Figure 5. Geology Cross-section No.21


11000 N
10500 N
10000 N
9500 N
10500 E
11000 E
12000 E
12500 E
13000 E
cpy-bn-mag
cu-cc-hem
py
cpy-py
cpy-bn-mag
cu-cc-hem
py
cpy-py
cpy-bn-mag
cu-cc-hem
py
cpy-py
10
11
13
14
15
16
17
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21
22
23
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26
27
28
29
30
31
32
33
34
35
Drillhole Intercept
.20 % CU Outline
cpy-bn-mag / py cpy-py Contact
py cpy-py zone
0 200 400 Feet
0 50 100 150 Meters
POTHOOK ZONE
2300 ELEV.
CU MINERALIZATION ZONING

4.2 MINERALIZATION

Copper mineralization in the Pothook Zone is of two basic types. Pyrite and pyrite-chalcopyrite mineralization are concentrated on the south and west forming a halo averaging 1% pyrite. To the north and east, including the main zone about the Pothook shaft, the association becomes chalcopyrite with magnetite altering to native copper, chalcocite, and hematite (Fig. 6). Bornite is also present as a primary sulfide. Sulfide mineralization occurs as disseminations and veinlets. The supergene copper minerals are found as disseminations, blebs and fracture fillings in crackle breccia. Alteration of hypogene sulphides to supergene minerals is seldom as complete as in the Afton orebody. Consequently, ore mineralogy in the supergene areas tends to consist of chalcocite, native copper and remnant bornite and chalcopyrite. Surficial weathering with formation of copper oxides and carbonates is limited to a few feet below subcrop.

Gold mineralization is associated with copper but is not totally grade related. Gold values are highest at the extreme east end of the main zone with higher grade ore favoring the east and footwall sides. Copper values are more broadly distributed. Gold-copper ratios are significantly higher in the Pothook deposit as opposed to the main Afton pit. Some of the highest gold values actually occur with minimal copper grades. These variations may indicate multiple phases of gold-copper mineralization and will necessitate assaying of blasthole cuttings for gold and copper.

5.0 ORE RESERVE MODELLING

Ore reserves were calculated utilizing a 3-dimensional model developed on the HP9845A computer. Geology was manually developed on working sections and plans. Rock type contacts, alteration zones, structures, and mineralized zones were interpreted on each section. The mineralized outlines on each section were flagged and digitized. From this data, a set of horizonal contours were developed which in turn were digitized and stored. A 9.1 meter(30 foot) bench height was selected as an optimum match for equipment and orebody characteristics. Assay data was composited into bench height increments and the model was subdivided into blocks with dimensions of 7.6 by 7.6 by 9.1 meters(25 by 25 by 30 feet). The orebody was then modelled using all composite information within the flagged outline of the mineralized zone. A total of 123 gold and 165 copper composite assays were used. Significantly, the composites include small zones of unpay grades which are upgraded to ore by adjacent higher grades, and conversely have very high grades reduced by adjacent lower grades.

Unlike Afton, the Pothook ore shows no correlation between copper and gold assays (Fig.7). Therefore the two metals are estimated separately. Statistical examination reveals that both copper and gold are skewed or lognormally distributed(Fig.8 and Fig.9). The arithmetic mean of the assays will tend to overestimate the mean of distribution due to the presence of erratic highs. This is especially the case for gold.

Block modelling was carried out using weighting based on inverse distance raised to the third power. Search trends were biased east-west so that no data from a block further than 38.1 meters(125 feet) east or west or further than 30.5 meters(100 feet) north-south was used to estimate grades for a block. Vertical limits of 38.1 meters(125 feet) were used and search ellipsoids dipped 60 degrees to the south. Unpay composites within the ore body were included in modelling in order to dilute the grades of mineable blocks. Once the model was created, geological reserves were calculated for the area between sections 17 and 24 inclusive. Geological reserves are listed in the following table:

Table 1. Geological Ore Reserves

BENCH	TONNAGE	CU%	AU oz/ton	CU E%
2370	195,000	.38	.016	.80
2340	437,000	.35	.015	.74
2310	430,900	.39	.018	.87
2280	385,600	.38	.019	.88
2250	285,800	.38	.018	.85
2220	199,600	.37	.014	.75
2190	183,000	.37	.014	.73
2160	167,800	.36	.013	.70
2130	164,500	.42	.013	.76
2100	152,700	.45	.012	.76
TOTAL	2,602,300	.38	.016	.80

Mineable open pit reserves were developed assuming a copper price of US$ 0.62, a gold price of US$ 375 and an exchange rate of US$ 0.72 per CDN$ 1.00. Operating costs were based on Afton operating experience. An optimized pit was developed using a "floating cone" algorithm. Mineable ore reserves have been calculated on a bench by bench basis and are shown in Table 2.

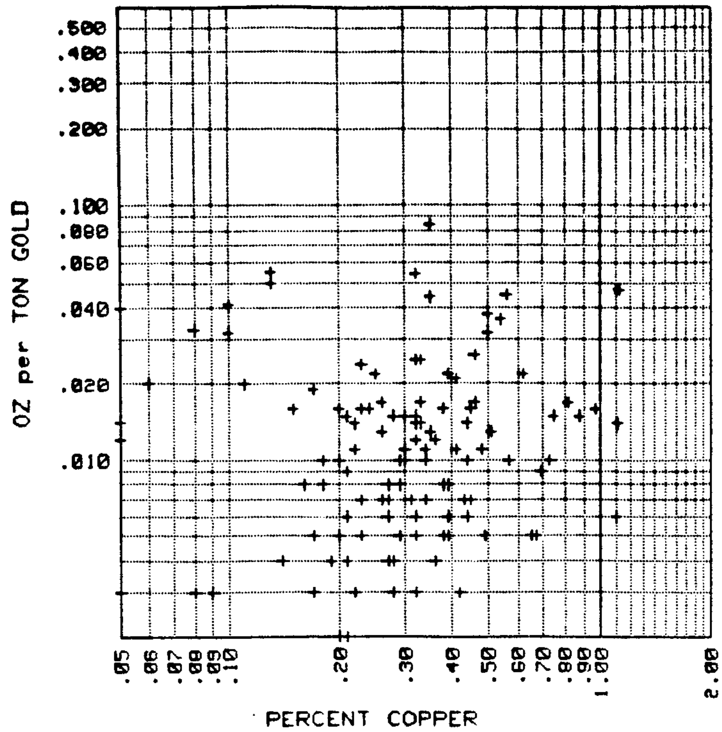

Figure 7. Percent copper versus oz/ton gold.

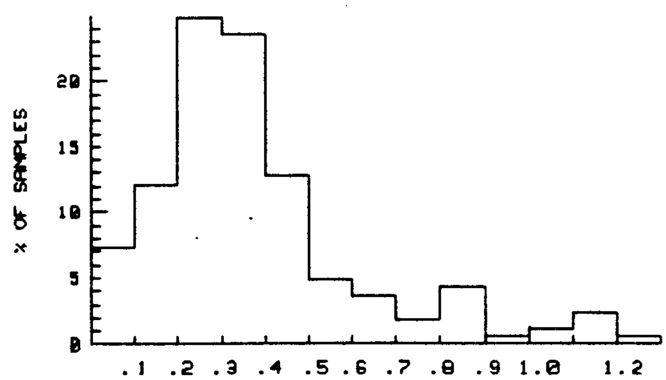

Figure 8. Frequency histogram plot of copper grades

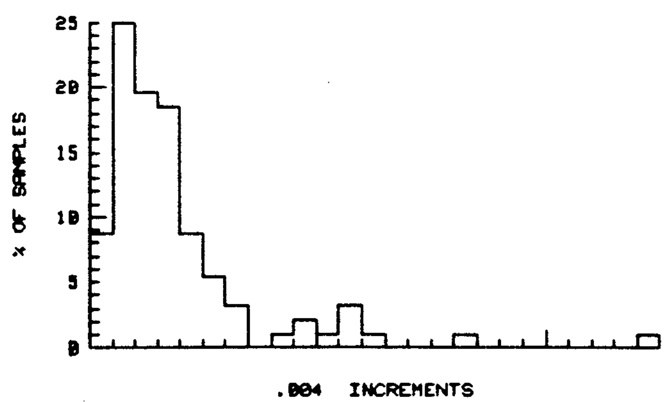

Figure 9. Frequency histogram of gold grades

Table 2. Mineable Ore Reserves

BENCH	TONS ORE	GRADE %Cu	GRADE oz/ton Au	TONS WASTE	TONS O/B	TOTAL
2400	-	-	-	-	138,000	138,000
2370	210,000	.35	.015	286,000	407,000	903,000
2340	393,000	.36	.016	721,000	57,000	1,171,000
2310	396,000	.40	.019	792,000	-	1,188,000
2280	368,000	.39	.019	700,000		1,068,000
2250	263,000	.39	.019	527,000		790,000
2220	172,000	.38	.016	489,000		661,000
2190	146,000	.38	.015	322,000		468,000
2160	142,000	.37	.014	224,000		366,000
2130	115,000	.43	.014	116,000		231,000
2100	95,000	.51	.012	42,000		137,000
TOTAL	2,300,000	.39	.017	4,219,000	602,000	7,121,000

These results indicate a profitable tonnage and grade sufficient for an open pit operation of eight to ten months duration at current milling rates.

6.0 STATEMENT OF COSTS

1.	Drilling ---	Connors Drilling Limited Total contractor's charges	$ 95,105.46
2.	Supplies ---	Core boxes and core shed materials	$ 3,303.26
3.	Assaying ---	Samples were analyzed at Afton labs and charged out at 72 % of commercial rate.	

Sample prep.	$ 3.25
Copper assay	6.00
Gold-silver assays	10.75

Total(Chemex Labs)	20.00

Afton cost: $20.00 @ .72 = $14.40

Total costs:
673 samples @ $14.40 per sample $ 9,691.20

$108,099.92

7.0 STATEMENT OF QUALIFICATIONS

I, Lorne Allan Bond, of the City of Kamloops, British Columbia do hereby certify that:

1. I am a qualified, practicing Geologist.

2. I am a graduate of Loyola College (University of Montreal), with a B. Sc.(1967) in Geotechnical Sciences.

3. I have practiced my profession since 1967 while employed with Sherrit-Gordon Mines Ltd., Cominco Ltd., and Afton Operating Corporation.

4. This report describes a diamond drilling program performed under my supervision between May 1986 and October 1986.

Lorne A. Bond

Senior Geologist

Afton Operating Corporation

December 15, 1986

8.0 BIBLIOGRAPHY

Bond, L.A. (1981): Pothook Zone - Preliminary Report and Recommendations. Unpublished report for Afton Operating Corporation.

Bond, L.A. (1984): Pothook Zone - 1984 Diamond Drilling Results. Unpublished report for Afton Operating Corporation.

Bond, L.A. (1985): Geology and Mineralization of the Pothook Zone. Unpublished report for Afton Operating Corporation.

Carr, J.M. (1956): Deposits Associated with the Eastern Part of the Iron Mask Batholith near Kamloops, Minister of Mines, B.C. Ann. Report, 1956, pp.47-69.

Carr, J.M. and Reed, A.J. (1976): Afton: A Supergene Copper Deposit, C.I.M.M. Special Volume 15, pp.376-387.

Cockfield, W.E. (1948): Geology and Mineral Deposits of Nicola Map-Area, British Columbia, Geol. Survey, Canada, Memoir 249.

Jones, R.E. (1957): Geological Report on the DM Group of Claims for Graham Bousquet Gold Mines Ltd., Assessment Reports Nos. 141 and 192, open files, B.C. Dept. of Mines and Pet. Res., Victoria and Kamloops.

Northcote, R.E. (1974): Geology of Northwest Half of Iron Mask Batholith, B.C. Dept. of Mines and Pet. Res.; Geological Fieldwork, 1974, pp.22-26.

Preto, V.A. (1968): Geology of the Eastern Part of the Iron Mask Batholith, B.C. Ministry of Mines and Pet. Res., Ann. Rept. 1967, pp.137-147.

Preto, V.A. (1973): Afton Pothook, B.C. Dept. of Mines and Pet Res.; Geology, Exploration and Mining, 1972, pp.209-220.

9.0 APPENDICES

GEOLOGICAL LOG FOR 86-1

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1167	86-1	11593	9925	2414	270

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1168	0	275.0	43.5	200	275.0	43.0

	FROM	TO	ROCK TYPES

1385 0- 29 Overburden

1386 29- 40 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V)
MIN: Pyrite

1387 40- 55 FG. Pyroxene Diorite

ALT: Epidote(PV) Chlorite(V) Calcite(V) Pink Feldspar(E) Hematite(V)
MIN: Native Copper

1388 55- 56 Syenite

1389 56- 70 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(EV) Hematite(V)
MIN: Native Copper

1390 70- 90 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(E)
MIN: Native Copper
1391 From 60.5 ft. core is bx'ed
1392 and faulted w/ trace nat. C

1393 90- 110 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(E) Hematite(V)
MIN: Native Copper
1394 110 Major 6 in. fault @ 65 deg.

1395 110- 130 FG. Pyroxene Diorite

ALT: Chlorite(V) Albite(PV) Calcite(V) Pink Feldspar(E)
MIN: Native Copper

1396 130- 135 Amphibolite

ALT: Calcite(V)

1397 135- 160 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V)
MIN: Pyrite Chalcopyrite

1398 160- 181 FG. Pyroxene Diorite

ALT: Chlorite(V) Calcite(V) Magnetite(V) Hematite(V)

1399 181- 203 Amphibolite

ALT: Chlorite(V) Calcite(V)
MIN: Chalcopyrite

1400 203- 230 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Hematite(V)
1401 Badly broken @ bx'ed core
1402 from 208-217 ft.

1403 230- 270 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Magnetite(V) Hemati
te(V) Talc/Serp(V)
MIN: Pyrite Native Copper
1404 Trace native copper

GEOLOGICAL LOG FOR 86-2

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1170	86-2	11284	10029	2388	500

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1171	0	19.4	48.7	200	19.4	48.0
1172	400	19.4	49.0	0	0.0	0.0

	FROM	TO	ROCK TYPES

1405 0- 18 Overburden

1407 18- 40 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(E)
MIN: Native Copper
1408 Trace native copper

1409 40- 100 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PEV) Calcite(V) Pink Feldspar(EV)

MIN: Native Copper

1410 100- 140 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(EV) Hematite(V)
MIN: Native Copper

1411 140- 160 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Hematite(V)

MIN: Native Copper

1412 160- 190 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Magnetite(V) Hematite(V)

MIN: Native Copper
1414 crackle bx- well mineralized

1415 190- 220 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V)
MIN: Native Copper
1416 Albitized
1417 Weakly mineralized

1418 220- 260 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feld
spar(E)

MIN: Native Copper

1419 260- 331 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V)
MIN: Native Copper
1420 Crackle breccia dev.
1421 Moderate native copper min.

1422 331- 361 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld
spar(EV)

MIN: Native Copper
1423 331 -340 1.5 ft. of core rec.
1424 351 -361 lost core - mislatch

1425 361- 390 FG. Pyroxene Diorite

ALT: Epidote(PV) Chlorite(V) Albite(E) Calcite(V) Pink Fel
dspar(E)

MIN: Native Copper
1426 373 -379 strong fault @ 40 deg.
1427 385 -386 1 ft. fault @ 50 deg.

1428 390- 410 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Hematite(V)
MIN: Native Copper
1430 392 -400 very strong fault @ 60
1431 to 70 deg.- poss. FW min. ct

1432 410- 450 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld
spar(EV) Hematite(V)

1433 450- 500 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld
spar(E)
1434 Fresh wk'ly alt'd FW diorite

GEOLOGICAL LOG FOR 86-3

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1183	86-3	11191	10069	2383	550

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1184	0	25.3	59.0	200	25.3	59.0
1185	450	25.3	56.5	0	0.0	0.0

	FROM	TO	ROCK TYPES
1435	0-	10	Overburden
1436	10-	39	FG. Pyroxene Diorite ALT: Chlorite(V) Calcite(V)
1437	39-	47	Amphibolite ALT: Calcite(V) MIN: Pyrite
1438	47-	60	Bleached Diorite ALT: Epidote(V) Chlorite(V) Albite(V) Pink Feldspar(E) Hematite(V) MIN: Native Copper
1439	60-	90	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) MIN: Native Copper
1440	90-	121	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Hematite(V) MIN: Native Copper
1441	121-	128	Amphibolite ALT: Calcite(V) MIN: Native Copper
1442	128-	159	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Magnetite(V) Hematite(V) MIN: Native Copper

1443 159- 199 Amphibolite
---- ----
ALT: Chlorite(V) Calcite(V)
MIN: Pyrite Chalcopyrite
1444 Trace sulfides

1445 199- 240 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(EV) Magnetite(V) Hemati
te(V) Talc/Serp(V)
MIN: Native Copper
1446 Fairly well min.

1447 240- 320 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Hematite
(V)
MIN: Native Copper
1448 Moderate crackle bx dev.
1449 Well mineralized

1450 320- 350 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Albite(PV) Calcite(V) Pink Feldspar(E) Hem
atite(V)
MIN: Native Copper

1451 350- 440 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld
spar(EV) Hematite(V)
MIN: Chalcocite Native Copper
1452 Sign. talc-serp. min.

1453 440- 470 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld
spar(EV) Hematite(V)
MIN: Native Copper
1454 Moderate alt. - wk'ly min.

1455 470- 490 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(EV) Calcite(V) Pink Feldspar(E)
MIN: Chalcocite Native Copper

1456 490- 550 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld
spar(E) Magnetite(V)
MIN: Native Copper
1457 Magnetite hem. stringers
1458 Weak native copper min.

GEOLOGICAL LOG FOR 86-4

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1189	86-4	11108	10132	2382	440

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1190	0	20.5	48.2	300	20.5	49.0

Rec#	FROM	TO	ROCK TYPES
1459	0-	12	Overburden
1460	12-	46	Amphibolite ALT: Chlorite(V) Calcite(V)
1461	46-	58	FG. Pyroxene Diorite ALT: Chlorite(V) Calcite(V)
1462	58-	80	Amphibolite ALT: Chlorite(V) Calcite(V)
1463	80-	90	Amphibolite ALT: Chlorite(V) Calcite(V) Magnetite(V) MIN: Pyrite Chalcopyrite
1464	90-	94	FG. Pyroxene Diorite ALT: Chlorite(V) Calcite(V)
1465	94-	103	Amphibolite ALT: Calcite(V) MIN: Pyrite
1466	103-	108	FG. Pyroxene Diorite ALT: Chlorite(V) Calcite(V)
1468	108-	152	Amphibolite ALT: Chlorite(V) Calcite(V) Magnetite(V)
1469			152 3 in. fl @65 deg. HW min.ct

1470 152- 200 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Calcite(V) Magnetite(V) Hematite(V) Talc/Serp(V)

MIN: Native Copper

1471 Main min. zone

1472 200- 250 <u>FG. Pyroxene Diorite</u>

ALT: Chlorite(V) Albite(P) Calcite(V) Magnetite(V) Hematite(V)

MIN: Native Copper

1473 Crackle breccia zone

1474 Faulted and bx'ed rocks

1475 250- 290 <u>FG. Pyroxene Diorite</u>

ALT: Chlorite(V) Albite(P) Calcite(V) Magnetite(V) Hematite(V)

MIN: Native Copper

1476 290- 340 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Magnetite(V) Talc/Serp(V)

MIN: Native Copper

1477 318 -325 Major fl. @ 50 deg.

1478 340- 390 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V)

MIN: Native Copper

1479 353 -355 strong fl. @ 45 deg.

1480 381 -384 Strong fl. @ 65 deg.

1481 390- 430 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(E) Magnetite(V)

MIN: Native Copper

1482 Weak native copper min.

1483 430- 440 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V)

GEOLOGICAL LOG FOR 86-5

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1186	86-5	11205	10381	2395	250

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1187	0	19.2	60.5	200	19.2	60.0

	FROM	TO	ROCK TYPES
1484	0-	17	Overburden
1485	17-	150	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Hematite (V)
			MIN: Native Copper
1487			143 -149 Fault zone @ 70-75 deg
1488			Spotty crackle bx zones
1489			Main mineralized zone
1490	150-	180	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Pink Fel dspar(EV)
1491	180-	230	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(E)
1492			Weak prop. and PF alteratio
1493	230-	250	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Calcite(V)
1494			Wk'ly alt'd FW rocks

GEOLOGICAL LOG FOR 86-6

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1180	86-6	11288	10320	2407	300

Rec#	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1181	0	22.8	50.5	200	22.8	44.0

Rec#	FROM	TO	ROCK TYPES
1495	0-	7	Overburden

1496 7- 110 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Hematite(V)

MIN: Chalcocite Native Copper

1497 110- 200 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(EV) Hematite(V)

MIN: Native Copper

1498 Albitized - crackle bx

1499 200- 220 Bleached Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(EV)

1500 220- 250 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Hematite(V)

1501 250- 300 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Talc/Serp(V)

1502 Badly broken ground

GEOLOGICAL LOG FOR 86-7

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Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1177	86-7	11389	10301	2414	220

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1178	0	24.6	48.3	220	24.6	46.0

	FROM	TO	ROCK TYPES
1503	0-	7	Overburden

1504 7- 30 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld spar(E) Hematite(V)

MIN: Chalcocite Native Copper

1505 30- 60 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feld spar(E) Hematite(V)

MIN: Chalcocite Native Copper

1506 60- 92 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Magnetit e(V) Hematite(V)

MIN: Chalcocite Native Copper

1507 92- 100 FG. Pyroxene Diorite

ALT: Albite(P)
MIN: Pyrite Chalcopyrite
1508 Albitized intrusive breccia
1509 possible breccia pipe

1510 100- 140 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(EV) Hematite(V)

MIN: Chalcocite Native Copper

1511 Breccia pipe - lots of

1512 groundmass -native Cu min.

1513 140- 150 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(V) Hematite(V)

MIN: Native Copper

1514 Wk'ly bx'ed - edge of pipe

1515 150- 200 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(EV) Pink Feldspar(E) Magnetite(V) Hematite(V)

MIN: Native Copper

1516 Sign. mag.-hem. veining

1517 191 -197 fault zone @ 70-75 deg

1518 200- 220 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Pink Feldspar(EV)

MIN: Native Copper

GEOLOGICAL LOG FOR 86-8

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1192	86-8	11249	10494	2395	180

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1193	0	16.9	59.8	103	16.9	59.0

	FROM	TO	ROCK TYPES
1519	0-	38	Overburden
1520	38-	90	FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(E) Magnetite(V) Hematite(V)
MIN: Chalcocite Native Copper

1521 90- 100 FG. Pyroxene Diorite

ALT: Albite(E) Calcite(V)
1522 88 -92 Fl. & bx @ 70-75 deg.
1523 98 -100 Strong fl. @ 70-80 deg

1524 100- 120 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V)

1525 120- 160 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(EV) Magnetite(V)

1526 160- 180 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Hematite(V)
1527 130-180 intense jointing

GEOLOGICAL LOG FOR 86-9

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1198	86-9	11109	10407	2395	240

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1199	0	24.0	45.5	200	24.0	43.5

	FROM	TO	ROCK TYPES

1528 0- 30 <u>Overburden</u>

1529 30- 50 <u>FG. Pyroxene Diorite</u>

ALT: Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(E) Hematite(V)

MIN: Native Copper

1530 50- 60 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P)

1531 60- 80 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Magnetite(V) Hematite(V)

MIN: Native Copper

1532 80- 109 <u>FG. Pyroxene Diorite</u>

ALT: Chlorite(V) Albite(PE) Calcite(V) Hematite(V) Talc/Serp(V)

MIN: Native Copper

1533 109- 131 <u>Amphibolite</u>

ALT: Chlorite(V) Calcite(V) Magnetite(V)
MIN: Native Copper
1534 Amph. shr'd and broken

1535 131- 170 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V)
MIN: Native Copper
1536 Bleached faulted & b'ed

1537 170- 200 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(EV)

1538 200- 240 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Calcite(V)
1539 Wk'ly altered diorite
1540 238 -239 strong fl. @ 45 deg.

GEOLOGICAL LOG FOR 86-10

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1201	86-10	11034	10221	2395	450

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1202	0	19.9	58.5	300	19.9	56.5

	FROM	TO	ROCK TYPES
1206	0-	8	Overburden
1541	8-	100	Amphibolite

ALT: Chlorite(V) Calcite(V)
MIN: Pyrite
1542 Spotty trace pyrite

1543 100- 163 Amphibolite

ALT: Chlorite(V) Calcite(V)
1544 Hihgly fl'ed and broken up
1545 163 Rubble contact

1546 163- 180 FG. Pyroxene Diorite

ALT: Chlorite(V) Calcite(V) Hematite(V)
MIN: Pyrite Chalcopyrite

1547 180- 210 FG. Pyroxene Diorite

ALT: Chlorite(V) Albite(V) Calcite(V) Hematite(V)
MIN: Native Copper

1548 210- 274 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Pink Feldspar(E) Hematite(V)
MIN: Native Copper

1549 274- 279 <u>Amphibolite</u>

ALT: Chlorite(V) Calcite(V)

1550 279- 292 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(E)

1551 292- 314 <u>Amphibolite</u>

ALT: Chlorite(V) Calcite(V)

1552 314- 340 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(E)

1553 340- 420 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P) Pink Feldspar(V) Magnetite(V) Hematite(V)

MIN: Native Copper

1554 Spotty trace native copper

1555 420- 450 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Hematite(V)

MIN: Pyrite

GEOLOGICAL LOG FOR 86-11
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Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1173	86-11	11590	10263	2426	303

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1174	0	268.9	50.2	200	268.9	51.0

	FROM	TO	ROCK TYPES
1556	0-	20	Overburden
1557	20-	40	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Calcite(V)
1558			Blocky ground- 10% rec.
1559	40-	110	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(EV) Hematite(V)
			MIN: Native Copper
1560			Albitized- spotty trace Cu
1561	110-	140	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(E) Hematite(V)
			MIN: Native Copper
1562			Trace native copper
1563	140-	190	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Magnetite(V)
			MIN: Native Copper
1564	190-	240	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Hematite(V)
			MIN: Native Copper
1565			Lots of minor faulting
1566	240-	270	FG. Pyroxene Diorite
			ALT: Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(EV) Magnetite(V)
			MIN: Native Copper
1567	270-	303	FG. Pyroxene Diorite
			ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Magnetite(V) Hematite(V)
			MIN: Native Copper

GEOLOGICAL LOG FOR 86-12

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1219	86-12	10875	10363	2381	290

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1220	0	21.2	45.1	200	21.2	43.0

	FROM	TO	ROCK TYPES
1568	0-	8	Overburden
1569	8-	130	Amphibolite ALT: Chlorite(V) Calcite(V) MIN: Pyrite
1570			Spotty trace pyrite
1571	130-	156	FG. Pyroxene Diorite ALT: Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(V) Hematite(V) MIN: Pyrite
1572	156-	185	Amphibolite ALT: Chlorite(V) Calcite(V)
1573	185-	240	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Feldspar(E) Hematite(V) MIN: Native Copper
1574			Native Cu min. from 185 ft.
1575	240-	250	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Magnetite(V)
1576			248 -254 Strong fl. @ 45-50 deg
1577	250-	290	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Feldspar(E) Hematite(V)
1578			Strong dev. of PF enve.
1579			273-289 Fl'ed @ broken core

GEOLOGICAL LOG FOR 86-13

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1195	86-13	11060	10013	2381	600

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1196	0	21.5	51.6	400	21.5	53.0
1197	600	21.5	51.5	0	0.0	0.0

	FROM	TO	ROCK TYPES
1580	0-	18	Overburden
1581	18-	36	Amphibolite ALT: Chlorite(V) Calcite(V)
1582	36-	110	FG. Pyroxene Diorite ALT: Chlorite(V) Albite(E) Calcite(V) MIN: Pyrite
1583	110-	140	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) MIN: Pyrite
1584	140-	149	Amphibolite ALT: Chlorite(V) Calcite(V)
1585	149-	175	FG. Pyroxene Diorite ALT: Chlorite(V) Albite(E) Calcite(V) MIN: Pyrite Chalcopyrite
1586	175-	245	Amphibolite ALT: Chlorite(V) Calcite(V)
1587	245-	300	FG. Pyroxene Diorite ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Fel dspar(E) MIN: Pyrite
1588	300-	340	FG. Pyroxene Diorite ALT: Chlorite(V) Albite(E) Calcite(V) MIN: Pyrite
1589			295 -300 fL;. ZONE @ 50 DEG.

1590 340- 382 <u>FG. Pyroxene Diorite</u>

ALT: Chlorite(V) Albite(E) Calcite(V) Hematite(V)
MIN: Pyrite Chalcopyrite

1591 382- 460 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Hematite
(V)
MIN: Native Copper
1592 460 -464 Strong fl. @ 55-60 deg

1593 460- 500 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld
spar(V) Hematite(V)
MIN: Native Copper
1594 Strong albitization

1595 500- 570 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Fel
dspar(V) Hematite(V)
MIN: Native Copper
1596 558 Strong fl'ing @ 55-60 deg.

1597 570- 600 <u>FG. Pyroxene Diorite</u>

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feld
spar(E)

GEOLOGICAL LOG FOR 86-14

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1222	86-14	11676	8277	2521	199

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1223	0	17.0	60.4	0	0.0	0.0

	FROM	TO	ROCK TYPES
1225	0-	199	Overburden

GEOLOGICAL LOG FOR 86-15

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1226	86-15	11289	8576	2508	150

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1227	0	34.5	58.1	0	0.0	0.0

	FROM	TO	ROCK TYPES
1229	0-	150	Overburden

GEOLOGICAL LOG FOR 86-16

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1207	86-16	11593	10182	2426	350

Rec#	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1208	0	267.4	50.3	200	267.4	48.0

Rec#	FROM	TO	ROCK TYPES
1233	0-	37	Overburden

1598 37- 70 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(EV) Talc/Serp(V)

1599 Strong albitization & PF vn

1600 70- 80 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(V)

1601 80- 160 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(EV) Pink Feldspar(EV)
MIN: Native Copper

1602 160- 210 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PE) Pink Feldspar(V) Magnetite(V) Hematite(V)
MIN: Native Copper

1603 From 80 ft.core is badly
1604 faulted and brecciated

1605 210- 229 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(E)

1606 229- 237 Amphibolite

ALT: Chlorite(V) Calcite(V)

1607 237- 290 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Hematite (V)

MIN: Chalcocite Native Copper

1608 290- 340 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Pink Feldspar(EV) Hematite(V) Talc/Serp(V)

MIN: Native Copper

1609 Talc-serp. alteration

1610 340- 350 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(E)

MIN: Native Copper

1612 340 -350 Low angle fl. zone

1613 at 20-30 deg. to core axis

GEOLOGICAL LOG FOR 86-17
****

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1210	86-17	11528	10278	2426	200

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1211	0	269.8	44.9	150	269.8	44.5

	FROM	TO	ROCK TYPES

1232 0- 18 Overburden

1614 18- 67 FG. Pyroxene Diorite
ALT: Epidote(V) Chlorite(V) Albite(P) Pink Feldspar(EV) Magnetite(V) Hematite(V)
MIN: Chalcocite Native Copper
1615 Strong epid. alb. & PF alt.

1616 67- 75 FG. Pyroxene Diorite
ALT: Epidote(V) Calcite(V) Pink Feldspar(E) Magnetite(V) Hematite(V)
MIN: Native Copper
1617 Very f.g. dk-green diorite

1618 75- 116 FG. Pyroxene Diorite
ALT: Epidote(V) Chlorite(V) Albite(V) Pink Feldspar(V) Magnetite(V) Hematite(V)
MIN: Native Copper

1619 116- 131 FG. Pyroxene Diorite
ALT: Epidote(V) Chlorite(V) Calcite(V) Hematite(V)
MIN: Chalcocite
1620 v.f.g. dk-green dior. dyke

1621 131- 180 FG. Pyroxene Diorite
ALT: Epidote(V) Chlorite(V) Albite(PE) Pink Feldspar(EV) Magnetite(V) Hematite(V)
MIN: Native Copper

1622 180- 200 FG. Pyroxene Diorite
ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Hematite(V)
MIN: Native Copper
1623 170 -175 Strong fl.& bx @ 25deg
1624 Albitized diorite

GEOLOGICAL LOG FOR 86-18

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1213	86-18	11589	10367	2421	260

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1214	0	268.8	50.3	200	268.8	49.0

	FROM	TO	ROCK TYPES
1231	0-	49	Overburden

1625 49- 80 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Magnetite(V) Hematite(V)

MIN: Native Copper

1626 80- 120 FG. Pyroxene Diorite

ALT: Epidote(V) Albite(V) Pink Feldspar(E) Magnetite(V) Hematite(V) Talc/Serp(V)

MIN: Chalcocite Native Copper

1627 Talc-serp. alteration

1628 120- 170 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(EV) Pink Feldspar(E) Magnetite(V) Hematite(V)

MIN: Native Copper

1629 Mag. hem. stringers

1630 Crackle breccia dev.

1631 170- 200 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(E) Magnetite(V)

MIN: Native Copper

1632 Less altered rock

1633 200- 220 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Calcite(V)
MIN: Native Copper
1634 Wk'ly alt'd- lots of calcite

1635 220- 240 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(E)
MIN: Bornite Chalcocite Native Copper

1636 240- 250 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Calcite(V) Hematite(V)
MIN: Native Copper
1637 243 -247 fl. w/ bx @ 0-20 deg.

1638 250- 260 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(V) Pink Feldspar(V) Mag
netite(V) Hematite(V)
MIN: Native Copper
1639 Increase in mag. hem. str.

GEOLOGICAL LOG FOR 86-19

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1216	86-19	11695	10220	2425	450

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1217	0	268.9	51.6	300	268.9	49.5

	FROM	TO	ROCK TYPES
1230	0-	50	Overburden

1640 50- 80 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Magnetite (V) Hematite(V)

1641 Strong epidote alteration

1642 80- 160 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld spar(E)

1643 160- 200 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld spar(E) Hematite(V)

1644 200- 210 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feld spar(E) Hematite(V)

MIN: Native Copper

1645 210- 220 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld spar(E) Hematite(V)

1646 220- 230 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(V) Pink Feldspar(E) Hem atite(V) Talc/Serp(V)

MIN: Pyrite Chalcopyrite

1647 230- 240 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Pink Feldspar(E) Hem atite(V)

MIN: Native Copper

1648 240- 270 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld spar(E) Hematite(V)

1649	270- 310	FG. Pyroxene Diorite
		ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Pink Feldspar(E) Hematite(V)
		MIN: Native Copper
1650		Weak native copper min.
1651	310- 330	FG. Pyroxene Diorite
		ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Hematite(V)
		MIN: Native Copper
1652	330- 420	FG. Pyroxene Diorite
		ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(E) Hematite(V)
		MIN: Native Copper
1653		Entire length of hole is
1654		in faulted broken rock
1655	420- 430	FG. Pyroxene Diorite
		ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(EV)
		MIN: Pyrite Chalcopyrite
1656	430- 450	FG. Pyroxene Diorite
		ALT: Epidote(V) Chlorite(V) Albite(V) Calcite(V) Pink Feldspar(E) Hematite(V)
		MIN: Native Copper

GEOLOGICAL LOG FOR 86-20
****

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1338	86-20	10983	9812	2421	945

	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1339	0	20.1	55.3	250	20.1	54.5
1340	700	20.1	51.5	945	20.1	49.0

FROM TO ROCK TYPES

1341 0- 28 Overburden

1342 28- 108 Sugarloaf Unit

ALT: Epidote(EV) Chlorite(V) Calcite(V) Pink Feldspar(E)
MIN: Pyrite
1343 Diss. pyrite throughout

1344 108- 113 Amphibolite

ALT: Calcite(V)
MIN: Pyrite

1345 113- 129 Sugarloaf Unit

ALT: Epidote(E) Chlorite(V) Calcite(V) Pink Feldspar(E)
MIN: Pyrite

1346 129- 157 Amphibolite

ALT: Chlorite(P) Calcite(V)
MIN: Pyrite

1347 157- 224 Sugarloaf Unit

ALT: Epidote(EV) Chlorite(V) Calcite(V) Pink Feldspar(E)
MIN: Pyrite
1348 Some Amph. inclusions

1349 224- 232 Amphibolite

ALT: Calcite(V)
MIN: Pyrite

1350 232- 237 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V)
MIN: Pyrite

1351 237- 264 Amphibolite

ALT: Calcite(V)

1352 264- 288 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(E) Pink Feldspar(E) Pink Feldspar

1352 264- 288 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(E) Pink Feldspar(E) Pink Feldspar (E)

MIN: Pyrite Chalcopyrite

1353 288- 295 Amphibolite

ALT: Calcite(V)

1354 295- 323 Sugarloaf Unit

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld spar(E)

MIN: Pyrite Chalcopyrite

1355 323- 360 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(PV) Albite(E) Calcite(V)

1356 360- 430 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld spar(V)

MIN: Pyrite Chalcopyrite Bornite
1357 Minor diss. Cu sulfides

1358 430- 440 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld spar(V) Magnetite(V)

MIN: Pyrite Chalcopyrite

1359 440- 460 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V)
MIN: Pyrite
1360 458 -460 Fl.& Bx. zone @ 35-40

1361 460- 500 FG. Pyroxene Diorite

ALT: Biotite(P) Epidote(V) Chlorite(V) Calcite(V) Pink Fel dspar(EV)

MIN: Pyrite

1362 500- 510 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Calcite(V) Pink Feldspar(P)
MIN: Pyrite

1363 510- 530 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld spar(E)
1364 522 -528 Major Fl. zone @ 60 de
1365 Poss. major HW min. contact

1366 530- 550 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Pink Fel dspar(E)

1367 550- 560 FG. Pyroxene Diorite

ALT: Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(E) Mag netite(V) Hematite(V)

MIN: Pyrite Chalcopyrite Native Copper

1368 560- 610 FG. Pyroxene Diorite

ALT: Biotite(P) Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Feldspar(E)

MIN: Pyrite

1369 610- 620 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(E)

MIN: Pyrite Chalcopyrite

1370 620- 640 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PE) Calcite(V) Pink Feldspar(E)

1371 640- 650 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(E)

MIN: Chalcopyrite

1372 650- 700 FG. Pyroxene Diorite

ALT: Chlorite(P) Calcite(P)

MIN: Pyrite Chalcopyrite

1373 655 6 in. fault @ 40 deg.

1374 663 6 in. very strong fl.@ 40de

1375 Intensely alt'd zone

1376 Main nat. Cu ct. @ 698 ft.

1377 700- 730 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Magnetite(V) Hematite(V)

MIN: Pyrite Chalcopyrite Bornite Native Copper

1378 730- 810 FG. Pyroxene Diorite

ALT: Chlorite(PV) Albite(P) Calcite(V) Magnetite(V) Hematite(V)

MIN: Chalcocite Native Copper

1379 Main ore zone w/ Crackle bx

1380 810- 910 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feldspar(E) Magnetite(V)

MIN: Native Copper

1381 Less alt'd weakly min.

1382 Sign. mag.-hem. stringers

1383 910- 945 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V)

1384 Unmin. FW rocks

GEOLOGICAL LOG FOR 86-21
****

Rec#	HOLE#	EASTING	NORTHING	ELEVATION	LENGTH
1288	86-21	11092	9817	2437	942

Rec#	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
1289	0	22.3	55.7	202	22.3	54.0
1290	500	22.3	49.5	800	22.3	47.5

FROM TO ROCK TYPES

1291 0- 28 Overburden

1292 28- 57 Sugarloaf Unit

ALT: Albite(P)
MIN: Pyrite
1293 1-3% PYRITE THROUGHOUT

1294 57- 70 FG. Pyroxene Diorite

ALT: Chlorite(V) Calcite(V)
MIN: Pyrite
1295 69 -70 1 in. shr'd ct at 70 de

1296 70- 127 Sugarloaf Unit

ALT: Epidote(V) Chlorite(V) Calcite(V)
MIN: Pyrite
1297 Diss. pyrite throughout

1298 127- 132 Sugarloaf Unit

1299 127 -132 lost core-strong fault

1300 132- 145 Sugarloaf Unit

ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V)
MIN: Pyrite

1301 145- 235 Amphibolite

ALT: Chlorite(P) Calcite(V)
MIN: Pyrite
1302 Minor diss. pyrite.
1304 189 -198 Shr'd alt'd zone 70 de

1305 235- 240 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Hematite(V)
MIN: Pyrite

1306 240- 256 Amphibolite

ALT: Chlorite(P) Calcite(V)
MIN: Pyrite

1307 256- 278 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V)
MIN: Pyrite

1308 278- 291 Amphibolite

ALT: Chlorite(P) Calcite(V)
MIN: Pyrite

1309 291- 306 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Fel
dspar(V)
MIN: Pyrite

1310 306- 313 Amphibolite

ALT: Chlorite(P) Calcite(V)

1311 313- 324 FG. Pyroxene Diorite

ALT: Chlorite(V) Albite(E) Calcite(V)
MIN: Pyrite

1312 324- 339 Amphibolite

ALT: Calcite(V)
MIN: Pyrite

1313 339- 353 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V)
MIN: Pyrite Chalcopyrite

1314 353- 362 Amphibolite

ALT: Calcite(V)
MIN: Pyrite Chalcopyrite

1315 362- 370 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V)
MIN: Pyrite

1316 370- 474 Amphibolite

ALT: Chlorite(P) Calcite(V)
MIN: Pyrite
1317 Trace amounts of pyrite
1318 Albite veining- 440-460 fee
1319 454 -459 Fl. zone w/ alb. veins
1320 and alt. Dips 45-60 to C.A.

1321 474- 540 FG. Pyroxene Diorite

ALT: Epidote(V) Chlorite(V) Albite(PEV) Calcite(V) Pink Fe
ldspar(EV)
MIN: Pyrite

1322 540- 610 FG. Pyroxene Diorite
---- ----
ALT: Chlorite(V) Albite(V) Calcite(V)
MIN: Pyrite
1323 555 Strong fl. @ 50-55 deg.

1324 610- 650 FG. Pyroxene Diorite
---- ----
ALT: Chlorite(V) Albite(P) Calcite(V) Pink Feldspar(EV)
MIN: Pyrite

1325 650- 740 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Pink Fel
dspar(EV) Magnetite(V)
MIN: Native Copper
1326 656 -661 Fl. zone @ 50-55 deg.
1327 Hw contact of nat. Cu min.

1328 740- 780 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(E) Calcite(V) Pink Feld
spar(E)
1329 Rel. barren zone- minor alt

1330 780- 850 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(EV) Calcite(V) Pink Fel
dspar(EV) Hematite(V)
MIN: Native Copper
1331 783 -788 Multiple faults @ 40de
1332 Minor native Copper min.

1333 850- 920 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(PV) Calcite(V) Pink Fel
dspar(E)
1334 Weakly alt´d unmin. FW rock

1335 920- 930 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld
spar(E) Magnetite(V)
MIN: Chalcocite
1336 Poss. weak chalcocite veinl

1337 930- 942 FG. Pyroxene Diorite
---- ----
ALT: Epidote(V) Chlorite(V) Albite(P) Calcite(V) Pink Feld
spar(E)

ASSAY DATA LOG FOR 86-1
****

	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
1860	29- 40	96	19	.04	.003	.005	0.0	0.00
1861	40- 50	80	36	.05	.001	.030	0.0	0.00
1862	50- 60	78	37	.01	.001	.005	0.0	0.00
1863	60- 70	65	8	.03	.000	.020	0.0	0.00
1864	70- 80	73	37	.05	.002	.060	0.0	0.00
1865	80- 90	80	83	.08	.002	.030	0.0	0.00
1866	90- 100	75	17	.20	.005	.060	0.0	0.00
1867	100- 110	95	75	.04	.001	.005	0.0	0.00
1868	110- 120	95	84	.02	.001	.005	0.0	0.00
1869	120- 130	95	67	.08	.003	.020	0.0	0.00
1870	130- 140	90	72	.72	.005	.040	0.0	0.00
1871	140- 150	97	1	.38	.003	.020	0.0	0.00
1872	150- 160	100	58	1.34	.011	.050	0.0	0.00
1873	160- 170	100	76	.19	.002	.020	0.0	0.00
1874	170- 180	85	22	.09	.002	.005	0.0	0.00
1875	180- 190	95	65	.10	.000	.030	0.0	0.00
1876	190- 200	98	70	.16	.003	.040	0.0	0.00
1877	200- 210	90	1	.09	.003	.040	0.0	0.00
1878	210- 220	80	7	.09	.003	.040	0.0	0.00
1879	220- 230	90	27	.09	.004	.030	0.0	0.00
1880	230- 240	95	8	.07	.002	.005	0.0	0.00
1881	240- 250	90	7	.10	.002	.005	0.0	0.00
1882	250- 260	88	8	.14	.002	.005	0.0	0.00
1883	260- 270	95	51	.07	.000	.030	0.0	0.00

ASSAY DATA LOG FOR 86-2

****

	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
1884	18- 30	95	50	.03	.001	.030	0.0	0.00
1885	30- 40	95	47	.08	.006	.050	0.0	0.00
1886	40- 50	95	1	.02	.001	.005	0.0	0.00
1887	50- 60	100	61	.04	.000	.020	0.0	0.00
1888	60- 70	95	51	.05	.004	.030	0.0	0.00
1889	70- 80	90	59	.07	.001	.005	0.0	0.00
1890	80- 90	85	10	.05	.001	.020	0.0	0.00
1891	90- 100	95	41	.17	.001	.050	0.0	0.00
1892	100- 110	100	75	.09	.000	.005	0.0	0.00
1893	110- 120	100	31	.05	.001	.030	0.0	0.00
1894	120- 130	95	40	.08	.000	.030	0.0	0.00
1895	130- 140	85	16	.14	.001	.060	0.0	0.00
1896	140- 150	75	36	.30	.001	.060	0.0	0.00
1897	150- 160	90	28	.26	.000	.030	0.0	0.00
1898	160- 170	90	27	.73	.010	.090	0.0	0.00
1899	170- 180	100	61	.32	.003	.040	0.0	0.00
1900	180- 190	100	54	.67	.007	.040	0.0	0.00
1901	190- 200	100	60	.24	.001	.050	0.0	0.00
1902	200- 210	95	45	.18	.001	.040	0.0	0.00
1903	210- 220	100	81	.13	.001	.020	0.0	0.00
1904	220- 230	95	68	.09	.001	.005	0.0	0.00
1905	230- 240	95	47	.06	.000	.005	0.0	0.00
1906	240- 250	90	23	.05	.000	.005	0.0	0.00
1907	250- 260	95	24	.10	.000	.005	0.0	0.00
1908	260- 270	95	58	.20	.001	.005	0.0	0.00
1909	270- 280	100	78	.40	.020	.050	0.0	0.00
1910	280- 290	100	73	.45	.013	.030	0.0	0.00
1911	290- 300	100	80	.13	.022	.005	0.0	0.00
1912	300- 310	95	65	.25	.009	.030	0.0	0.00
1913	310- 320	95	35	.14	.011	.005	0.0	0.00
1914	320- 330	90	30	.16	.013	.005	0.0	0.00
1915	330- 340	15	0	.19	.007	.020	0.0	0.00
1916	340- 350	98	44	.21	.010	.005	0.0	0.00
1917	360- 370	85	45	.13	.008	.030	0.0	0.00
1918	370- 380	98	65	.10	.011	.005	0.0	0.00
1919	380- 390	100	80	.16	.008	.030	0.0	0.00
1920	390- 400	95	41	.16	.005	.040	0.0	0.00
1921	400- 410	100	69	.07	.003	.005	0.0	0.00
1922	410- 420	100	56	.01	.000	.005	0.0	0.00
1923	420- 430	100	48	.03	.001	.005	0.0	0.00
1924	430- 440	95	61	.04	.001	.005	0.0	0.00
1925	440- 450	90	58	.05	.001	.005	0.0	0.00
1926	450- 460	95	63	.04	.000	.005	0.0	0.00
1927	460- 470	98	49	.03	.002	.005	0.0	0.00
1928	470- 480	100	69	.11	.003	.005	0.0	0.00
1929	480- 490	100	70	.03	.000	.005	0.0	0.00
1930	490- 500	85	40	.02	.000	.005	0.0	0.00

ASSAY DATA LOG FOR 86-3
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
1995	10- 20	75	22	.04	.000	.000	0.0	0.00
1996	20- 30	95	60	.12	.002	.000	0.0	0.00
1997	30- 40	95	75	.08	.000	.000	0.0	0.00
1998	40- 50	100	55	0.00	.001	.000	0.0	0.00
1999	50- 60	95	65	.15	.001	.000	0.0	0.00
2000	60- 70	100	60	.10	.002	.000	0.0	0.00
2001	70- 80	97	42	.14	.003	.000	0.0	0.00
2002	80- 90	98	70	.14	.002	.000	0.0	0.00
2003	90- 100	95	31	.05	.000	.000	0.0	0.00
2004	100- 110	90	67	.20	.002	.000	0.0	0.00
2005	110- 120	88	35	.18	.003	.000	0.0	0.00
2006	120- 130	100	76	.30	.002	.000	0.0	0.00
2007	130- 140	95	38	.12	.001	.000	0.0	0.00
2008	140- 150	75	39	.15	.001	.000	0.0	0.00
2009	150- 160	92	58	.12	.000	.000	0.0	0.00
2010	160- 170	100	45	.06	.000	.000	0.0	0.00
2011	170- 180	100	71	.18	.000	.000	0.0	0.00
2012	180- 190	100	78	.07	.000	.000	0.0	0.00
2013	190- 200	100	70	.06	.003	.000	0.0	0.00
2014	200- 210	98	48	.37	.018	.000	0.0	0.00
2015	210- 220	95	62	.18	.008	.000	0.0	0.00
2016	220- 230	100	75	.27	.003	.000	0.0	0.00
2017	230- 240	75	52	.38	.005	.000	0.0	0.00
2018	240- 250	25	47	.50	.004	.000	0.0	0.00
2019	250- 260	95	50	.31	.016	.000	0.0	0.00
2020	260- 270	100	63	1.86	.021	.000	0.0	0.00
2021	270- 280	85	41	.30	.019	.000	0.0	0.00
2022	280- 290	90	48	.60	.016	.000	0.0	0.00
2023	290- 300	90	21	.28	.007	.000	0.0	0.00
2024	300- 310	85	35	.49	.008	.000	0.0	0.00
2025	310- 320	95	31	.46	.015	.000	0.0	0.00
2026	320- 330	90	50	.10	.011	.000	0.0	0.00
2027	330- 340	90	23	.42	.025	.000	0.0	0.00
2028	340- 350	100	45	.10	.010	.000	0.0	0.00
2029	350- 360	85	32	.70	.016	.000	0.0	0.00
2030	360- 370	90	28	.73	.016	.000	0.0	0.00
2031	370- 380	95	35	.32	.004	.000	0.0	0.00
2032	380- 390	100	68	.20	.004	.000	0.0	0.00
2033	390- 400	100	78	.10	.001	.000	0.0	0.00
2034	400- 410	100	55	.34	.004	.000	0.0	0.00
2035	410- 420	100	76	.44	.005	.000	0.0	0.00
2036	420- 430	95	79	.97	.006	.000	0.0	0.00
2037	430- 440	100	73	.13	.004	.000	0.0	0.00
2038	440- 450	100	62	.20	.003	.000	0.0	0.00
2039	450- 460	95	22	.09	.001	.000	0.0	0.00
2040	460- 470	98	50	.18	.004	.000	0.0	0.00
2041	470- 480	100	68	.14	.003	.000	0.0	0.00
2042	480- 490	100	68	.07	.001	.000	0.0	0.00
2043	490- 500	100	64	.10	.001	.000	0.0	0.00
2044	500- 510	100	78	.11	.002	.000	0.0	0.00
2045	510- 520	100	59	.16	.004	.000	0.0	0.00
2046	520- 530	100	82	.08	.001	.000	0.0	0.00
2047	530- 540	100	62	.02	.002	.000	0.0	0.00
2048	540- 550	100	64	.07	.002	.000	0.0	0.00

ASSAY DATA LOG FOR 86-4
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2072	12- 20	70	0	0.00	.000	.000	0.0	0.00
2073	20- 30	90	49	0.00	.000	.000	0.0	0.00
2074	30- 40	85	26	0.00	.000	.000	0.0	0.00
2075	40- 50	90	55	0.00	.000	.000	0.0	0.00
2076	50- 60	95	60	0.00	.000	.000	0.0	0.00
2077	60- 70	90	56	0.00	.000	.000	0.0	0.00
2078	70- 80	90	50	.05	.001	.000	0.0	0.00
2079	80- 90	95	45	.10	.001	.000	0.0	0.00
2080	90- 100	85	25	.18	.000	.000	0.0	0.00
2081	100- 110	85	38	.05	.001	.000	0.0	0.00
2082	110- 120	95	48	.02	.000	.000	0.0	0.00
2083	120- 130	95	51	.01	.000	.000	0.0	0.00
2084	130- 140	85	37	.02	.001	.000	0.0	0.00
2085	140- 150	100	57	.03	.000	.000	0.0	0.00
2086	150- 160	100	42	.40	.002	.000	0.0	0.00
2087	160- 170	85	24	.10	.001	.000	0.0	0.00
2088	170- 180	95	47	.43	.004	.000	0.0	0.00
2089	180- 190	90	27	.23	.009	.000	0.0	0.00
2090	190- 200	95	58	.51	.004	.000	0.0	0.00
2091	200- 210	100	71	.30	.003	.000	0.0	0.00
2092	210- 220	100	86	.51	.004	.000	0.0	0.00
2093	220- 230	100	74	.60	.020	.000	0.0	0.00
2094	230- 240	100	73	.47	.008	.000	0.0	0.00
2095	240- 250	95	42	.50	.011	.000	0.0	0.00
2096	250- 260	95	32	.24	.005	.000	0.0	0.00
2097	260- 270	100	39	.47	.006	.000	0.0	0.00
2098	270- 280	100	67	.20	.012	.000	0.0	0.00
2099	280- 290	100	62	.29	.009	.000	0.0	0.00
2100	290- 300	90	25	.04	.002	.000	0.0	0.00
2101	300- 310	85	18	.08	.009	.000	0.0	0.00
2102	310- 320	95	25	.08	.004	.000	0.0	0.00
2103	320- 330	100	43	.16	.002	.000	0.0	0.00
2104	330- 340	95	39	.03	.000	.000	0.0	0.00
2105	340- 350	90	48	.02	.000	.000	0.0	0.00
2106	350- 360	100	60	.14	.001	.000	0.0	0.00
2107	360- 370	97	53	.15	.001	.000	0.0	0.00
2108	370- 380	100	51	.01	.000	.000	0.0	0.00
2109	380- 390	97	38	.07	.002	.000	0.0	0.00
2110	390- 400	100	41	.29	.008	.000	0.0	0.00
2111	400- 410	100	45	.12	.005	.000	0.0	0.00
2112	410- 420	100	69	.12	.003	.000	0.0	0.00
2113	420- 430	95	43	.17	.003	.000	0.0	0.00
2114	430- 440	100	28	.05	.001	.000	0.0	0.00

ASSAY DATA LOG FOR 86-5

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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2049	17- 30	85	13	.36	.003	.000	0.0	0.00
2050	30- 40	95	27	.23	.004	.000	0.0	0.00
2051	40- 50	95	55	.33	.006	.000	0.0	0.00
2052	50- 60	92	36	.20	.002	.000	0.0	0.00
2053	60- 70	80	10	.49	.008	.000	0.0	0.00
2054	70- 80	70	18	.74	.011	.000	0.0	0.00
2055	80- 90	90	26	.49	.014	.000	0.0	0.00
2056	90- 100	95	26	.53	.006	.000	0.0	0.00
2057	100- 110	85	23	.37	.012	.000	0.0	0.00
2058	110- 120	80	18	.28	.017	.000	0.0	0.00
2059	120- 130	70	33	.24	.007	.000	0.0	0.00
2060	130- 140	85	7	.35	.013	.000	0.0	0.00
2061	140- 150	95	63	.15	.003	.000	0.0	0.00
2062	150- 160	100	62	.11	.005	.000	0.0	0.00
2063	160- 170	75	50	.05	.001	.000	0.0	0.00
2064	170- 180	90	52	.09	.002	.000	0.0	0.00
2065	180- 190	90	28	.08	.002	.000	0.0	0.00
2066	190- 200	95	23	.03	.001	.000	0.0	0.00
2067	200- 210	90	34	.04	.001	.000	0.0	0.00
2068	210- 220	95	34	.03	.010	.000	0.0	0.00
2069	220- 230	75	41	.03	.000	.000	0.0	0.00
2070	230- 240	95	43	.03	.000	.000	0.0	0.00
2071	240- 250	90	43	.04	.000	.000	0.0	0.00

ASSAY DATA LOG FOR 86-6

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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
1966	7- 20	73	7	.64	.012	.000	0.0	0.00
1967	20- 30	95	20	.66	.005	.000	0.0	0.00
1968	30- 40	95	40	.08	.003	.000	0.0	0.00
1969	40- 50	90	40	.10	.001	.000	0.0	0.00
1970	50- 60	100	63	.34	.010	.000	0.0	0.00
1971	60- 70	95	37	.10	.003	.000	0.0	0.00
1972	70- 80	95	48	.27	.005	.000	0.0	0.00
1973	80- 90	100	65	.26	.004	.000	0.0	0.00
1974	90- 100	95	51	.65	.004	.000	0.0	0.00
1975	100- 110	85	48	.52	.004	.000	0.0	0.00
1976	110- 120	80	21	2.11	.010	.000	0.0	0.00
1977	120- 130	70	7	1.44	.005	.000	0.0	0.00
1978	130- 140	100	86	.34	.018	.000	0.0	0.00
1979	140- 150	95	50	.11	.015	.000	0.0	0.00
1980	150- 160	90	28	.17	.015	.000	0.0	0.00
1981	160- 170	98	43	.50	.015	.000	0.0	0.00
1982	170- 180	75	41	.22	.009	.000	0.0	0.00
1983	180- 190	90	44	.05	.065	.000	0.0	0.00
1984	190- 200	65	24	.73	.026	.000	0.0	0.00
1985	200- 210	98	28	.03	.002	.000	0.0	0.00
1986	210- 220	100	38	.04	.003	.000	0.0	0.00
1987	220- 230	98	34	.02	.004	.000	0.0	0.00
1988	230- 240	75	17	.07	.005	.000	0.0	0.00
1989	240- 250	80	11	.01	.003	.000	0.0	0.00
1990	250- 260	90	30	.01	.008	.000	0.0	0.00
1991	260- 270	90	0	.03	.002	.000	0.0	0.00
1992	270- 280	55	3	.03	.001	.000	0.0	0.00
1993	280- 290	55	0	.01	.001	.000	0.0	0.00
1994	290- 300	65	0	.01	.000	.000	0.0	0.00

ASSAY DATA LOG FOR 86-7
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
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1945	7- 20	85	21	.24	.004	.005	0.0	0.00
1946	20- 30	100	65	.49	.023	.005	0.0	0.00
1947	30- 40	90	18	.17	.005	.000	0.0	0.00
1948	40- 50	95	26	.15	.033	.000	0.0	0.00
1949	50- 60	95	40	.10	.003	.000	0.0	0.00
1950	60- 70	98	42	.30	.005	.000	0.0	0.00
1951	70- 80	85	28	.22	.141	.000	0.0	0.00
1952	80- 90	90	19	.53	.021	.000	0.0	0.00
1953	90- 100	100	62	.24	.055	.000	0.0	0.00
1954	100- 110	95	60	.25	.020	.000	0.0	0.00
1955	110- 120	100	58	.35	.005	.000	0.0	0.00
1956	120- 130	100	70	.44	.013	.000	0.0	0.00
1957	130- 140	100	48	.61	.044	.000	0.0	0.00
1958	140- 150	98	68	.13	.003	.000	0.0	0.00
1959	150- 160	95	28	.10	.002	.000	0.0	0.00
1960	160- 170	95	43	.17	.004	.000	0.0	0.00
1961	170- 180	95	61	.41	.052	.000	0.0	0.00
1962	180- 190	100	78	.21	.025	.000	0.0	0.00
1963	190- 200	92	33	.11	.005	.000	0.0	0.00
1964	200- 210	95	38	.10	.005	.000	0.0	0.00
1965	210- 220	100	63	.02	.001	.000	0.0	0.00

ASSAY DATA LOG FOR 86-8
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	FROM-	TO	Rec	RQD	Cu	Au	Ag	Hg	S
2115	38-	50	88	26	.40	.011	.000	0.0	0.00
2116	50-	60	95	14	.29	.010	.000	0.0	0.00
2117	60-	70	95	0	.25	.009	.000	0.0	0.00
2118	70-	80	100	0	.38	.004	.000	0.0	0.00
2119	80-	90	78	27	.16	.008	.000	0.0	0.00
2120	90-	100	98	14	.03	.003	.000	0.0	0.00
2121	100-	110	100	43	.03	.001	.000	0.0	0.00
2122	110-	120	92	53	.04	.005	.000	0.0	0.00
2123	120-	130	90	19	.04	.003	.000	0.0	0.00
2124	130-	140	75	8	.02	.001	.000	0.0	0.00
2125	140-	150	70	5	.02	.000	.000	0.0	0.00
2126	150-	160	75	0	.02	.001	.000	0.0	0.00
2127	160-	170	80	8	.02	.001	.000	0.0	0.00
2128	170-	180	95	7	.02	.000	.000	0.0	0.00

ASSAY DATA LOG FOR 86-9
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
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2187	30- 40	75	22	.19	.010	.000	0.0	0.00
2188	40- 50	90	45	.16	.013	.000	0.0	0.00
2189	50- 60	90	28	.03	.005	.000	0.0	0.00
2190	60- 70	90	24	.29	.041	.000	0.0	0.00
2191	70- 80	90	46	.21	.025	.000	0.0	0.00
2192	80- 90	95	39	.19	.007	.000	0.0	0.00
2193	90- 100	90	15	.23	.007	.000	0.0	0.00
2194	100- 110	90	35	.36	.019	.000	0.0	0.00
2195	110- 120	95	43	.11	.007	.000	0.0	0.00
2196	120- 130	98	28	.23	.032	.000	0.0	0.00
2197	130- 140	75	12	.19	.002	.000	0.0	0.00
2198	140- 150	80	22	.07	.002	.000	0.0	0.00
2199	150- 160	90	13	.06	.002	.000	0.0	0.00
2200	160- 170	85	23	.10	.003	.000	0.0	0.00
2201	170- 180	80	27	.05	.013	.000	0.0	0.00
2202	180- 190	45	3	.05	.003	.000	0.0	0.00
2203	190- 200	80	6	.04	.001	.000	0.0	0.00
2204	200- 210	85	3	.03	.001	.000	0.0	0.00
2205	210- 220	90	0	.02	.000	.000	0.0	0.00
2206	220- 230	90	10	.01	.000	.000	0.0	0.00
2207	230- 240	95	20	.02	.000	.000	0.0	0.00

ASSAY DATA LOG FOR 86-10

	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2208	8- 20	80	31	.09	.001	.000	0.0	0.00
2209	20- 30	90	6	.05	.001	.000	0.0	0.00
2210	30- 40	90	48	.05	.000	.000	0.0	0.00
2211	40- 50	95	35	.02	.001	.000	0.0	0.00
2212	50- 60	95	39	.01	.000	.000	0.0	0.00
2213	60- 70	95	69	.01	.000	.000	0.0	0.00
2214	70- 80	95	62	.01	.000	.000	0.0	0.00
2215	80- 90	100	83	.01	.000	.000	0.0	0.00
2216	90- 100	100	68	.01	.000	.000	0.0	0.00
2217	100- 110	100	63	.01	.000	.000	0.0	0.00
2218	110- 120	98	66	.01	.001	.000	0.0	0.00
2219	120- 130	98	63	.01	.000	.000	0.0	0.00
2220	130- 140	95	50	.01	.000	.000	0.0	0.00
2221	140- 150	98	53	.01	.000	.000	0.0	0.00
2222	150- 160	92	51	.04	.002	.000	0.0	0.00
2223	160- 170	95	33	.07	.004	.000	0.0	0.00
2224	170- 180	75	3	.11	.003	.000	0.0	0.00
2225	180- 190	85	39	.10	.005	.000	0.0	0.00
2226	190- 200	80	37	.07	.001	.000	0.0	0.00
2227	200- 210	65	8	.17	.008	.000	0.0	0.00
2228	210- 220	70	4	.12	.006	.000	0.0	0.00
2229	220- 230	95	49	.23	.004	.000	0.0	0.00
2230	230- 240	100	50	.17	.007	.000	0.0	0.00
2231	240- 250	92	23	.20	.010	.000	0.0	0.00
2232	250- 260	75	14	.43	.010	.000	0.0	0.00
2233	260- 270	95	67	.34	.010	.000	0.0	0.00
2234	270- 280	90	47	.16	.002	.000	0.0	0.00
2235	280- 290	98	48	.35	.000	.000	0.0	0.00
2236	290- 300	90	58	.05	.002	.000	0.0	0.00
2237	300- 310	100	69	.03	.001	.000	0.0	0.00
2238	310- 320	100	67	.04	.001	.000	0.0	0.00
2239	320- 330	95	50	.02	.000	.000	0.0	0.00
2240	330- 340	95	26	.03	.000	.000	0.0	0.00
2241	340- 350	97	61	.06	.000	.000	0.0	0.00
2242	350- 360	95	38	.08	.002	.000	0.0	0.00
2243	360- 370	95	42	.08	.001	.000	0.0	0.00
2244	370- 380	98	62	.04	.003	.000	0.0	0.00
2245	380- 390	95	61	.03	.003	.000	0.0	0.00
2246	390- 400	95	37	.22	.003	.000	0.0	0.00
2247	400- 410	98	65	.17	.002	.000	0.0	0.00
2248	410- 420	95	64	.03	.002	.000	0.0	0.00
2249	420- 430	92	73	.09	.003	.000	0.0	0.00
2250	430- 440	85	38	.10	.001	.000	0.0	0.00
2251	440- 450	95	39	.08	.003	.000	0.0	0.00

ASSAY DATA LOG FOR 86-11
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	FROM-	TO	Rec	RQD	Cu	Au	Ag	Hg	S
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1931	21-	50	30	10	.05	.001	.005	0.0	0.00
1932	50-	60	90	29	.05	.000	.000	0.0	0.00
1933	60-	70	50	0	.07	.001	.000	0.0	0.00
1934	70-	80	55	11	.04	.000	.000	0.0	0.00
1935	80-	90	60	0	.02	.001	.000	0.0	0.00
1936	90-	100	70	4	.02	.000	.000	0.0	0.00
1937	100-	110	85	25	.07	.001	.000	0.0	0.00
1938	110-	120	98	64	.01	.086	.000	0.0	0.00
1939	120-	130	100	58	.01	.521	.000	0.0	0.00
1940	130-	140	98	63	.02	.642	.000	0.0	0.00
1941	140-	150	100	100	.02	.979	.000	0.0	0.00
1942	150-	160	100	90	.02	.144	.000	0.0	0.00
1943	160-	170	100	93	.01	.201	.000	0.0	0.00
1944	170-	180	100	83	.03	.024	.000	0.0	0.00

ASSAY DATA LOG FOR 86-12

	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2362	8- 20	58	8	.03	.001	.001	0.0	0.00
2363	20- 30	90	7	.03	.002	.000	0.0	0.00
2364	30- 40	98	49	.05	.002	.000	0.0	0.00
2365	40- 50	60	0	.29	.016	.000	0.0	0.00
2366	50- 60	100	53	.02	.001	.000	0.0	0.00
2367	60- 70	85	38	.02	.000	.000	0.0	0.00
2368	70- 80	80	59	.01	.000	.000	0.0	0.00
2369	80- 90	90	38	.01	.000	.000	0.0	0.00
2370	90- 100	90	48	.01	.001	.000	0.0	0.00
2371	100- 110	98	45	.02	.001	.000	0.0	0.00
2372	110- 120	95	60	.04	.005	.000	0.0	0.00
2373	120- 130	90	64	.03	.004	.000	0.0	0.00
2374	130- 140	85	14	.07	.009	.000	0.0	0.00
2375	140- 150	95	44	.15	.013	.000	0.0	0.00
2376	150- 160	90	41	.24	.012	.000	0.0	0.00
2377	160- 170	95	50	.08	.002	.000	0.0	0.00
2378	170- 180	100	73	.04	.001	.000	0.0	0.00
2379	180- 190	97	57	.20	.005	.000	0.0	0.00
2380	190- 200	95	64	.09	.002	.000	0.0	0.00
2381	200- 210	90	7	.20	.004	.000	0.0	0.00
2382	210- 220	90	28	.06	.003	.000	0.0	0.00
2383	220- 230	100	81	.07	.004	.000	0.0	0.00
2384	230- 240	100	50	.10	.003	.000	0.0	0.00
2385	240- 250	100	47	.03	.001	.000	0.0	0.00
2386	250- 260	95	48	.10	.008	.000	0.0	0.00
2387	260- 270	80	26	.05	.002	.000	0.0	0.00
2388	270- 280	95	26	.03	.001	.000	0.0	0.00
2389	280- 290	100	35	.04	.007	.000	0.0	0.00

ASSAY DATA LOG FOR 86-13
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S	As
2129	18- 30	50	0	.02	.000	.000	0.0	0.00	0
2130	30- 40	50	0	.04	.001	.000	0.0	0.00	0
2131	40- 50	60	24	.04	.003	.000	0.0	0.00	0
2132	50- 60	65	13	.06	.003	.000	0.0	0.00	0
2133	60- 70	45	8	.06	.002	.000	0.0	0.00	0
2134	70- 80	90	51	.04	.001	.000	0.0	0.00	0
2135	80- 90	90	33	.05	.002	.000	0.0	0.00	0
2136	90- 100	65	26	.05	.001	.000	0.0	0.00	0
2137	100- 110	80	26	.04	.001	.000	0.0	0.00	0
2138	110- 120	50	16	.04	.001	.000	0.0	0.00	0
2139	120- 130	80	18	.07	.001	.000	0.0	0.00	0
2140	130- 140	85	46	.08	.002	.000	0.0	0.00	0
2141	140- 150	95	63	.01	.000	.000	0.0	0.00	0
2142	150- 160	98	56	.06	.001	.000	0.0	0.00	0
2143	160- 170	100	54	.02	.000	.000	0.0	0.00	0
2144	170- 180	100	42	.06	.002	.000	0.0	0.00	0
2145	180- 190	98	76	.01	.000	.000	0.0	0.00	0
2146	190- 200	100	68	.01	.000	.000	0.0	0.00	0
2147	200- 210	97	48	.02	.000	.000	0.0	0.00	0
2148	210- 220	97	50	.02	.000	.000	0.0	0.00	0
2149	220- 230	95	60	.13	.001	.000	0.0	0.00	0
2150	230- 240	95	60	.08	.001	.000	0.0	0.00	0
2151	240- 250	100	66	.07	.001	.000	0.0	0.00	0
2152	250- 260	65	30	.03	.002	.000	0.0	0.00	0
2153	260- 270	97	57	.10	.004	.000	0.0	0.00	0
2154	270- 280	100	55	.14	.004	.000	0.0	0.00	0
2155	280- 290	100	50	.13	.003	.000	0.0	0.00	0
2156	290- 300	95	30	.08	.002	.000	0.0	0.00	0
2157	300- 310	50	23	.06	.001	.000	0.0	0.00	0
2158	310- 320	60	15	.14	.003	.000	0.0	0.00	0
2159	320- 330	95	14	.07	.003	.000	0.0	0.00	0
2160	330- 340	98	28	.04	.003	.000	0.0	0.00	0
2161	340- 350	90	8	.14	.012	.000	0.0	0.00	0
2162	350- 360	80	7	.34	.010	.000	0.0	0.00	0
2163	360- 370	90	19	.31	.006	.000	0.0	0.00	0
2164	370- 380	85	13	.25	.006	.000	0.0	0.00	0
2165	380- 390	95	45	.17	.007	.000	0.0	0.00	0
2166	390- 400	75	7	.30	.009	.000	0.0	0.00	0
2167	400- 410	90	12	.37	.011	.000	0.0	0.00	0
2168	410- 420	98	29	.24	.004	.000	0.0	0.00	0
2169	420- 430	95	15	.03	.004	.000	0.0	0.00	0
2170	430- 440	100	65	.34	.019	.000	0.0	0.00	0
2171	440- 450	100	55	.45	.023	.000	0.0	0.00	0
2172	450- 460	100	64	.43	.013	.000	0.0	0.00	0
2173	460- 470	85	25	.28	.007	.000	0.0	0.00	0
2174	470- 480	80	13	.19	.010	.000	0.0	0.00	0
2175	480- 490	85	16	.05	.002	.000	0.0	0.00	0
2176	490- 500	98	34	.32	.004	.000	0.0	0.00	0
2177	500- 510	85	20	.22	.003	.000	0.0	0.00	0
2178	510- 520	95	15	.45	.006	.000	0.0	0.00	0
2179	520- 530	100	60	.15	.001	.000	0.0	0.00	0
2180	530- 540	100	60	.62	.006	.000	0.0	0.00	0
2181	540- 550	98	73	.28	.002	.000	0.0	0.00	0
2182	550- 560	95	65	.57	.005	.000	0.0	0.00	0
2183	560- 570	95	62	.15	.008	.000	0.0	0.00	0
2184	570- 580	80	10	.07	.002	.000	0.0	0.00	0
2185	580- 590	90	23	.04	.002	.000	0.0	0.00	0
2186	590- 600	85	9	.08	.005	.000	0.0	0.00	0

ASSAY DATA LOG FOR 86-16
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2252	37- 50	81	17	.02	.002	.000	0.0	0.00
2253	50- 60	90	25	.06	.002	.000	0.0	0.00
2254	60- 70	40	8	.03	.002	.000	0.0	0.00
2255	70- 80	75	0	.01	.002	.000	0.0	0.00
2256	80- 90	85	28	.22	.011	.000	0.0	0.00
2257	90- 100	85	23	.09	.002	.000	0.0	0.00
2258	100- 110	65	4	.03	.002	.000	0.0	0.00
2259	110- 120	55	27	.18	.002	.000	0.0	0.00
2260	120- 130	80	26	.10	.003	.000	0.0	0.00
2261	130- 140	80	0	.11	.002	.000	0.0	0.00
2262	140- 150	90	36	.04	.003	.000	0.0	0.00
2263	150- 160	98	0	.03	.004	.000	0.0	0.00
2264	160- 170	85	16	.05	.019	.000	0.0	0.00
2265	170- 180	95	33	.02	.002	.000	0.0	0.00
2266	180- 190	90	74	.02	.002	.000	0.0	0.00
2267	190- 200	98	75	.03	.002	.000	0.0	0.00
2268	200- 210	95	70	.08	.032	.000	0.0	0.00
2269	210- 220	95	77	.02	.005	.000	0.0	0.00
2270	220- 230	90	50	.07	.010	.000	0.0	0.00
2271	230- 240	98	69	.05	.002	.000	0.0	0.00
2272	240- 250	98	76	.22	.005	.000	0.0	0.00
2273	250- 260	95	38	.21	.002	.000	0.0	0.00
2274	260- 270	95	75	.07	.006	.000	0.0	0.00
2275	270- 280	98	69	.55	.014	.000	0.0	0.00
2276	280- 290	92	58	.18	.007	.000	0.0	0.00
2277	290- 300	98	54	.08	.007	.000	0.0	0.00
2278	300- 310	90	50	.15	.011	.000	0.0	0.00
2279	310- 320	95	42	.36	.029	.000	0.0	0.00
2280	320- 330	95	47	.37	.022	.000	0.0	0.00
2281	330- 340	90	49	.37	.026	.000	0.0	0.00
2282	340- 350	95	32	.25	.023	.000	0.0	0.00

ASSAY DATA LOG FOR 86-17

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	FROM-	TO	Rec	RQD	Cu	Au	Ag	Hg	S
2283	18-	30	92	39	.04	.018	.000	0.0	0.00
2284	30-	40	90	37	.05	.024	.000	0.0	0.00
2285	40-	50	90	33	.04	.083	.000	0.0	0.00
2286	50-	60	95	33	.03	.024	.000	0.0	0.00
2287	60-	70	92	59	.03	.067	.000	0.0	0.00
2288	70-	80	95	57	.46	.058	.000	0.0	0.00
2289	80-	90	90	51	.02	.041	.000	0.0	0.00
2290	90-	100	98	61	.07	.078	.000	0.0	0.00
2291	100-	110	98	43	.05	.005	.000	0.0	0.00
2292	110-	120	92	53	.21	.008	.000	0.0	0.00
2293	120-	130	75	10	.18	.007	.000	0.0	0.00
2294	130-	140	20	0	.72	.024	.000	0.0	0.00
2295	140-	150	40	3	.34	.017	.000	0.0	0.00
2296	150-	160	70	27	.11	.006	.000	0.0	0.00
2297	160-	170	65	10	.43	.002	.000	0.0	0.00
2298	170-	180	85	45	.06	.046	.000	0.0	0.00
2299	180-	190	95	51	.12	.032	.000	0.0	0.00
2300	190-	200	98	78	.05	.096	.000	0.0	0.00

ASSAY DATA LOG FOR 86-18

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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2301	49- 60	90	8	.41	.007	.000	0.0	0.00
2302	60- 70	85	7	1.01	.012	.000	0.0	0.00
2303	70- 80	90	0	.44	.005	.000	0.0	0.00
2304	80- 90	98	73	.33	.005	.000	0.0	0.00
2305	90- 100	95	7	.23	.003	.000	0.0	0.00
2306	100- 110	95	24	.27	.003	.000	0.0	0.00
2307	110- 120	98	19	.47	.006	.000	0.0	0.00
2308	120- 130	95	47	.21	.002	.000	0.0	0.00
2309	130- 140	98	58	.31	.003	.000	0.0	0.00
2310	140- 150	100	68	.30	.011	.000	0.0	0.00
2311	150- 160	100	89	.19	.030	.000	0.0	0.00
2312	160- 170	98	63	.15	.003	.000	0.0	0.00
2313	170- 180	90	38	.12	.001	.000	0.0	0.00
2314	180- 190	90	48	.19	.002	.000	0.0	0.00
2315	190- 200	85	58	.27	.003	.000	0.0	0.00
2316	200- 210	92	68	.09	.010	.000	0.0	0.00
2317	210- 220	100	62	.10	.009	.000	0.0	0.00
2318	220- 230	100	72	.15	.022	.000	0.0	0.00
2319	230- 240	100	28	.16	.027	.000	0.0	0.00
2320	240- 250	90	29	.04	.006	.000	0.0	0.00
2321	250- 260	90	44	.25	.012	.000	0.0	0.00

ASSAY DATA LOG FOR 86-19
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
2322	50- 60	95	20	.01	.001	.001	0.0	0.00
2323	60- 70	98	42	.01	.001	.001	0.0	0.00
2324	70- 80	98	45	.01	.000	.001	0.0	0.00
2325	80- 90	100	74	0.00	.002	.001	0.0	0.00
2326	90- 100	98	50	0.00	.001	.001	0.0	0.00
2327	100- 110	95	38	0.00	.001	.001	0.0	0.00
2328	110- 120	90	19	.01	.005	.001	0.0	0.00
2329	120- 130	95	27	.01	.001	.001	0.0	0.00
2330	130- 140	95	40	.01	.001	.001	0.0	0.00
2331	140- 150	100	64	.01	.001	.001	0.0	0.00
2332	150- 160	98	62	.01	.001	.001	0.0	0.00
2333	160- 170	100	57	.07	.001	.030	0.0	0.00
2334	170- 180	100	61	.01	.001	.001	0.0	0.00
2335	180- 190	90	23	.02	.001	.001	0.0	0.00
2336	190- 200	98	47	.03	.001	.001	0.0	0.00
2337	200- 210	95	40	.40	.002	.001	0.0	0.00
2338	210- 220	100	72	.01	.001	.001	0.0	0.00
2339	220- 230	92	68	.06	.001	.001	0.0	0.00
2340	230- 240	95	35	.19	.005	.000	0.0	0.00
2341	240- 250	95	58	.02	.003	.001	0.0	0.00
2342	250- 260	100	63	.02	.006	.020	0.0	0.00
2343	260- 270	90	72	.03	.001	.020	0.0	0.00
2344	270- 280	92	35	.16	.009	.050	0.0	0.00
2345	280- 290	90	33	.03	.002	.020	0.0	0.00
2346	290- 300	95	20	.21	.009	.030	0.0	0.00
2347	300- 310	98	51	.25	.005	.030	0.0	0.00
2348	310- 320	98	63	.26	.008	.030	0.0	0.00
2349	320- 330	98	68	.10	.016	.020	0.0	0.00
2350	330- 340	100	81	.27	.017	.020	0.0	0.00
2351	340- 350	95	40	.13	.040	.040	0.0	0.00
2352	350- 360	95	42	.35	.053	.050	0.0	0.00
2353	360- 370	92	33	.23	.007	.030	0.0	0.00
2354	370- 380	92	23	.67	.086	.080	0.0	0.00
2355	380- 390	90	37	.21	.004	.030	0.0	0.00
2356	390- 400	95	57	.15	.011	.040	0.0	0.00
2357	400- 410	92	42	.22	.007	.040	0.0	0.00
2358	410- 420	95	48	.28	.018	.030	0.0	0.00
2359	420- 430	95	26	1.13	.071	.070	0.0	0.00
2360	430- 440	90	43	.43	.035	.030	0.0	0.00
2361	440- 450	95	51	.22	.013	.030	0.0	0.00

ASSAY DATA LOG FOR 86-20
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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
3028	28- 40	100	39	.01	.001	.000	0.0	0.00
3029	40- 50	95	70	.01	.002	.000	0.0	0.00
3030	50- 60	100	64	.03	.002	.000	0.0	0.00
3031	60- 70	100	82	.02	.002	.000	0.0	0.00
3032	70- 80	100	84	.05	.002	.000	0.0	0.00
3033	80- 90	100	78	.01	.002	.000	0.0	0.00
3034	90- 100	100	92	.02	.001	.000	0.0	0.00
3035	100- 110	95	81	.02	.003	.000	0.0	0.00
3036	110- 120	96	78	.01	.001	.000	0.0	0.00
3037	120- 130	100	61	.02	.000	.000	0.0	0.00
3038	130- 140	90	50	.04	.000	.000	0.0	0.00
3039	140- 150	100	73	.01	.000	.000	0.0	0.00
3040	150- 160	100	81	.01	.000	.000	0.0	0.00
3041	160- 170	100	86	.01	.000	.000	0.0	0.00
3042	170- 180	100	50	.03	.001	.000	0.0	0.00
3043	180- 190	100	76	.03	.001	.000	0.0	0.00
3044	190- 200	99	87	.05	.000	.000	0.0	0.00
3045	200- 210	95	81	.04	.001	.000	0.0	0.00
3046	210- 220	96	81	.09	.001	.000	0.0	0.00
3047	220- 230	99	54	.03	.001	.000	0.0	0.00
3048	230- 240	100	91	.02	.001	.000	0.0	0.00
3049	240- 250	100	72	0.00	.000	.000	0.0	0.00
3050	250- 260	100	68	0.00	.000	.000	0.0	0.00
3051	260- 270	100	78	.10	.006	.000	0.0	0.00
3052	270- 280	100	94	.12	.004	.000	0.0	0.00
3053	280- 290	100	75	.23	.008	.000	0.0	0.00
3054	290- 300	100	75	.13	.002	.000	0.0	0.00
3055	300- 310	90	41	.33	.006	.000	0.0	0.00
3056	310- 320	90	37	.15	.018	.000	0.0	0.00
3057	320- 330	95	42	.04	.011	.000	0.0	0.00
3058	330- 340	100	50	.03	.002	.000	0.0	0.00
3059	340- 350	100	49	0.00	.000	.000	0.0	0.00
3060	350- 360	95	48	0.00	.000	.000	0.0	0.00
3061	360- 370	100	63	0.00	.000	.000	0.0	0.00
3062	370- 380	100	82	.01	.003	.000	0.0	0.00
3063	380- 390	95	55	.20	.020	.000	0.0	0.00
3064	390- 400	100	82	.23	.023	.000	0.0	0.00
3065	400- 410	100	50	.07	.001	.000	0.0	0.00
3066	410- 420	95	71	.05	.001	.000	0.0	0.00
3067	420- 430	100	63	.17	.004	.000	0.0	0.00
3068	430- 440	95	78	0.00	.000	.000	0.0	0.00
3069	440- 450	100	55	0.00	.000	.000	0.0	0.00
3070	450- 460	95	39	0.00	.000	.000	0.0	0.00
3071	460- 470	98	24	.11	.006	.000	0.0	0.00
3072	470- 480	90	58	.05	.005	.000	0.0	0.00
3073	480- 490	100	57	0.00	.000	.000	0.0	0.00
3074	490- 500	98	79	0.00	.000	.000	0.0	0.00
3075	500- 510	98	38	.05	.001	.000	0.0	0.00
3076	510- 520	100	46	0.00	.000	.000	0.0	0.00
3077	520- 530	98	27	0.00	.000	.000	0.0	0.00
3078	530- 540	100	85	0.00	.000	.000	0.0	0.00
3079	540- 550	100	87	0.00	.000	.000	0.0	0.00
3080	550- 560	100	79	.03	.002	.000	0.0	0.00

3081	560- 570	100	51	.03	.001	.000	0.0	0.00
3082	570- 580	100	57	.09	.003	.000	0.0	0.00
3083	580- 590	100	62	.10	.002	.000	0.0	0.00
3084	590- 600	100	81	.07	.003	.000	0.0	0.00
3085	600- 610	100	83	.13	.013	.000	0.0	0.00
3086	610- 620	100	80	.23	.031	.000	0.0	0.00
3087	620- 630	100	80	0.00	.000	.000	0.0	0.00
3088	630- 640	100	89	0.00	.000	.000	0.0	0.00
3089	640- 650	100	74	.01	.002	.000	0.0	0.00
3090	650- 660	100	53	.02	.001	.000	0.0	0.00
3091	660- 670	97	77	.05	.004	.000	0.0	0.00
3092	670- 680	98	85	.12	.003	.000	0.0	0.00
3093	680- 690	100	57	.02	.000	.000	0.0	0.00
3094	690- 700	98	42	.19	.003	.000	0.0	0.00
3095	700- 710	100	77	.28	.003	.000	0.0	0.00
3096	710- 720	100	45	.21	.007	.000	0.0	0.00
3097	720- 730	97	62	1.06	.024	.000	0.0	0.00
3098	730- 740	92	55	.65	.008	.000	0.0	0.00
3099	740- 750	100	73	.11	.002	.000	0.0	0.00
3100	750- 760	100	66	.39	.010	.000	0.0	0.00
3101	760- 770	100	72	.54	.010	.000	0.0	0.00
3102	770- 780	100	34	.51	.011	.000	0.0	0.00
3103	780- 790	100	52	.35	.009	.000	0.0	0.00
3104	790- 800	100	54	.36	.005	.000	0.0	0.00
3105	800- 810	100	83	.12	.001	.000	0.0	0.00
3106	810- 820	95	58	.23	.010	.000	0.0	0.00
3107	820- 830	100	46	.37	.010	.000	0.0	0.00
3108	830- 840	95	73	.67	.025	.000	0.0	0.00
3109	840- 850	100	65	4.26	.050	.000	0.0	0.00
3110	850- 860	100	76	.07	.001	.000	0.0	0.00
3111	860- 870	100	45	.09	.004	.000	0.0	0.00
3112	870- 880	100	51	.06	.002	.000	0.0	0.00
3113	880- 890	97	81	.12	.006	.000	0.0	0.00
3114	890- 900	100	71	.13	.015	.000	0.0	0.00
3115	900- 910	100	58	.10	.007	.000	0.0	0.00
3116	910- 920	100	63	.04	.001	.000	0.0	0.00
3117	920- 930	100	64	.07	.003	.000	0.0	0.00
3118	930- 940	100	85	.04	.002	.000	0.0	0.00
3119	940- 945	100	80	.07	.008	.000	0.0	0.00

ASSAY DATA LOG FOR 86-21

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	FROM- TO	Rec	RQD	Cu	Au	Ag	Hg	S
3120	28- 40	96	57	.04	.001	.000	0.0	0.00
3121	40- 50	100	51	.02	.001	.000	0.0	0.00
3122	50- 60	90	45	.01	.002	.000	0.0	0.00
3123	60- 70	100	65	.01	.006	.000	0.0	0.00
3124	70- 80	100	38	.01	.005	.000	0.0	0.00
3125	80- 90	100	69	.01	.002	.000	0.0	0.00
3126	90- 100	95	68	.09	.002	.000	0.0	0.00
3127	100- 110	100	68	.06	.001	.000	0.0	0.00
3128	110- 120	100	79	.03	.002	.000	0.0	0.00
3129	120- 130	70	30	.03	.003	.000	0.0	0.00
3130	130- 140	75	52	.02	.002	.000	0.0	0.00
3131	140- 150	100	79	.02	.010	.000	0.0	0.00
3132	150- 160	100	61	.05	.006	.000	0.0	0.00
3133	160- 170	100	52	0.00	.000	.000	0.0	0.00
3134	170- 180	100	38	0.00	.000	.000	0.0	0.00
3135	180- 190	100	50	.02	.001	.000	0.0	0.00
3136	190- 200	100	49	.02	.001	.000	0.0	0.00
3137	200- 210	100	56	0.00	.000	.000	0.0	0.00
3138	210- 220	100	69	0.00	.000	.000	0.0	0.00
3139	220- 230	95	70	.02	.001	.000	0.0	0.00
3140	230- 240	100	51	.06	.002	.000	0.0	0.00
3141	240- 250	100	58	0.00	.000	.000	0.0	0.00
3142	250- 260	95	50	0.00	.000	.000	0.0	0.00
3143	260- 270	95	18	.04	.002	.000	0.0	0.00
3144	270- 280	100	29	.03	.001	.000	0.0	0.00
3145	280- 290	95	41	.04	.001	.000	0.0	0.00
3146	290- 300	100	73	.01	.001	.000	0.0	0.00
3147	300- 310	100	73	.18	.009	.000	0.0	0.00
3148	310- 320	100	61	.05	.001	.000	0.0	0.00
3149	320- 330	100	62	.05	.001	.000	0.0	0.00
3150	330- 340	100	56	.06	.001	.000	0.0	0.00
3151	340- 350	98	66	.11	.005	.000	0.0	0.00
3152	350- 360	97	68	.13	.002	.000	0.0	0.00
3153	360- 370	100	51	.08	.001	.000	0.0	0.00
3154	370- 380	100	54	0.00	.000	.000	0.0	0.00
3155	380- 390	95	33	0.00	.000	.000	0.0	0.00
3156	390- 400	90	33	0.00	.000	.000	0.0	0.00
3157	400- 410	100	56	0.00	.000	.000	0.0	0.00
3158	410- 420	95	56	0.00	.000	.000	0.0	0.00
3159	420- 430	97	59	0.00	.000	.000	0.0	0.00
3160	430- 440	95	66	0.00	.000	.000	0.0	0.00
3161	440- 450	100	66	0.00	.000	.000	0.0	0.00
3162	450- 460	95	47	0.00	.000	.000	0.0	0.00
3163	460- 470	100	50	0.00	.000	.000	0.0	0.00
3164	470- 480	100	27	.06	.001	.000	0.0	0.00
3165	480- 490	95	8	.03	.000	.000	0.0	0.00
3166	490- 500	95	0	.03	.000	.000	0.0	0.00
3167	500- 510	100	22	0.00	.000	.000	0.0	0.00
3168	510- 520	98	19	0.00	.000	.000	0.0	0.00
3169	520- 530	100	52	0.00	.000	.000	0.0	0.00

3170	530- 540	100	38	.04	.004	.000	0.0	0.00
3171	540- 550	97	29	.12	.018	.000	0.0	0.00
3172	550- 560	100	18	.05	.016	.000	0.0	0.00
3173	560- 570	100	20	.07	.006	.000	0.0	0.00
3174	570- 580	100	29	.05	.004	.000	0.0	0.00
3175	580- 590	100	86	.23	.004	.000	0.0	0.00
3176	590- 600	100	77	.16	.003	.000	0.0	0.00
3177	600- 610	100	80	.14	.003	.000	0.0	0.00
3178	610- 620	100	81	.28	.004	.000	0.0	0.00
3179	620- 630	100	50	.06	.003	.000	0.0	0.00
3180	630- 640	100	59	.22	.006	.000	0.0	0.00
3181	640- 650	100	56	.27	.006	.000	0.0	0.00
3182	650- 660	100	43	.42	.011	.000	0.0	0.00
3183	660- 670	100	60	.54	.035	.000	0.0	0.00
3184	670- 680	100	74	.45	.014	.000	0.0	0.00
3185	680- 690	100	63	.39	.004	.000	0.0	0.00
3186	690- 700	100	60	.28	.006	.000	0.0	0.00
3187	700- 710	100	51	.74	.011	.000	0.0	0.00
3188	710- 720	100	65	.27	.005	.000	0.0	0.00
3189	720- 730	100	71	.04	.004	.000	0.0	0.00
3190	730- 740	100	71	.01	.001	.000	0.0	0.00
3191	740- 750	100	63	0.00	.000	.000	0.0	0.00
3192	750- 760	100	57	0.00	.000	.000	0.0	0.00
3193	760- 770	100	68	0.00	.000	.000	0.0	0.00
3194	770- 780	100	63	0.00	.000	.000	0.0	0.00
3195	780- 790	100	21	.12	.003	.000	0.0	0.00
3196	790- 800	100	23	.13	.002	.000	0.0	0.00
3197	800- 810	100	57	.25	.007	.000	0.0	0.00
3198	810- 820	100	71	.12	.003	.000	0.0	0.00
3199	820- 830	97	72	.10	.002	.000	0.0	0.00
3200	830- 840	90	46	.16	.004	.000	0.0	0.00
3201	840- 850	100	45	.25	.005	.000	0.0	0.00
3202	850- 860	100	48	.05	.002	.000	0.0	0.00
3203	860- 870	95	33	0.00	.000	.000	0.0	0.00
3204	870- 880	95	66	0.00	.000	.000	0.0	0.00
3205	880- 890	95	52	0.00	.000	.000	0.0	0.00
3206	890- 900	100	68	0.00	.000	.000	0.0	0.00
3207	900- 910	100	39	0.00	.000	.000	0.0	0.00
3208	910- 920	100	76	0.00	.000	.000	0.0	0.00
3209	920- 930	100	63	.14	.002	.000	0.0	0.00
3210	930- 942	100	65	0.00	.000	.000	0.0	0.00