Assessment Report

1998 Diamond Drilling and Geological Mapping

at
Mount Polley Mine

Cariboo Mining Division

N.T.S. 93A/12E
Latitude 52° 33' N
Longitude 121° 38' W

Owner:
Mount Polley Holding Company Limited
420 – 355 Burrard Street
Vancouver, B.C.
V6C 2G8

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December 10, 1998

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1.0 Summary

A total of 792.18 metres of diamond drilling were completed in three holes around the Cariboo Pit at Mount Polley Mine. The three holes tested three zones; Cariboo North, Southeast Zone, and Cariboo South to an elevation of 900 metres, approximately 230 metres below current mining. The objectives of the drill program were to test the continuity of the orebody to depth; to define the relationship between mineralization, alteration and rock type; to refine the current rock classification system to ensure consistency; and to assess rock quality to assist in pit design.

MP-98-1 encountered 8 zones of significant mineralization, hosted mainly in intrusion breccia. The best results include 0.287% copper, 0.548 gpt gold, and a copper oxide to total copper ratio of 15.6% between 123.3 – 132.2 metres and 0.225% copper, 0.380 gpt gold, and an oxide ratio of 15.1% between 258.3 – 280.0 metres. The latter intersection, just above the bounding diorite unit, demonstrates the potential for increasing mineable reserves along the central and east sides of the North Cariboo and Bell Pits at depth.

In MP-98-2, the top of the hole is leached, with an underlying zone of enrichment averaging 0.401% copper, 0.448 gpt gold and an oxide ratio of 15.1% over 25.5 metres. Underlying volcanics ran 0.243% copper, 0.22 gpt gold and an oxide ratio of 27.6% volcanics between 90.09 – 109.65 metres, and 0.272% copper and 0.264 gpt gold over 28.6 metres and 0.199% copper and 0.256 gpt gold over 23.0 metres, respectively, between 177.7 – 237.0 metres. MP-98-02 demonstrates the potential for developing reserves to the south and east of the Cariboo Pit.

The top 31.95 metres of MP-98-3 ran 0.280% copper and 0.449 gpt gold with an oxide ratio of 87.2% in broken and weathered intrusion breccia. Below a series of three augite porphyry dykes, oxidation drops dramatically, with good grades between 61.2 – 83.8 metres and 89.8 – 109.5 metres in moderately to strongly potassic intrusion breccia. Three more significant intersections were encountered below the dyke, including a 25.5 metre section assaying 0.195% copper and 0.281 gpt gold below 213.5 metres elevation.

A program of detailed mapping and core relogging was initiated to determine distribution of major rock units and their relationship to ore-grade mineralization within the Cariboo Pit. Hydrothermal brecciation of intrusion breccia, plagioclase porphyry, and monzonite is the main control on mineralization. Recommendations for further work include ongoing geological mapping both in-pit and out, relogging of core from holes outside the Cariboo Pit, and diamond drilling of targets identified by mapping, relogging, and geological modelling.

2.0 Introduction

The Mount Polley Mine in central B.C., is a low-grade, alkalic copper-gold porphyry deposit recently put into production by Mount Polley Mining Corporation at a capital cost of $123.5 million. The operation consists of an 18,000 tonne per day mine and concentrator complex with a project life of 12 to 14 years. Reserves prior to production were published at 82.3 million tonnes at an average grade of 0.30% copper and 0.47% grams per tonne gold. The deposit will be mined sequentially from 3 pits; Cariboo, Bell, and Springer.

A total of 792.18 metres of diamond drilling completed during the summer of 1998 tested three targets at depth within the Cariboo Pit. The three holes tested three zones; Cariboo North, Southeast Zone, and Cariboo South to an elevation of 900 metres, approximately 230 metres below current mining. The objectives of the program were to test the continuity of the orebody to depth, define the relationship between mineralization, alteration and rock type, refine the current rock classification system to ensure consistency, and assess rock quality to assist in pit design. A program of detailed geological mapping and core relogging was initiated within the Cariboo Pit to define geological controls on mineralization.

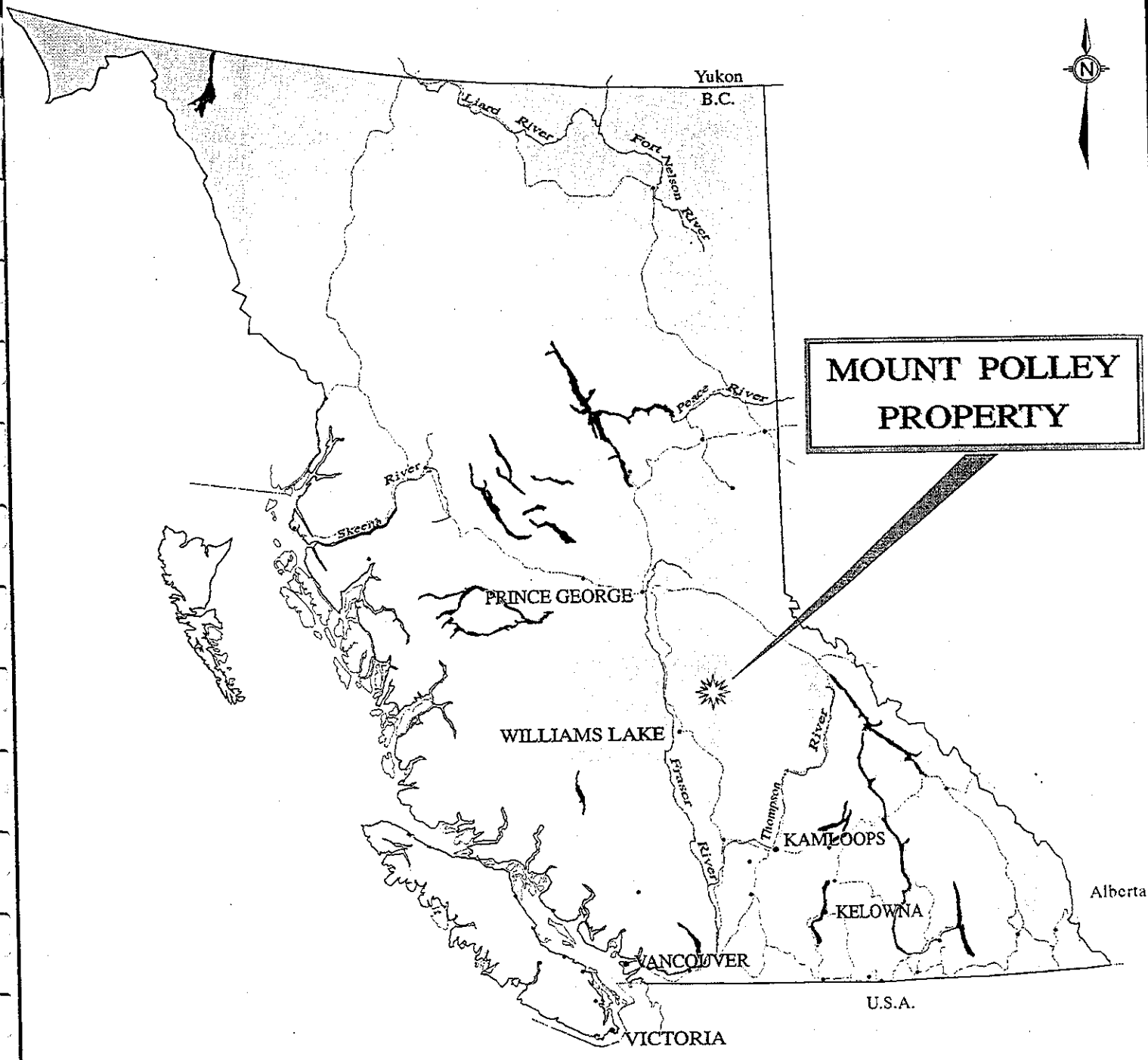
2.1 Location and Access

Mount Polley Mine is located in south-central British Columbia, 8 kilometers southwest of the village of Likely and 56 kilometers northeast of Williams Lake (Figure 1). There is excellent access to the property via the Likely Road from Highway 97 at 150 Mile House, 76 kilometers to Morehead Lake, and 14 kilometers along the Bootjack Forest Access Road to the minesite. Other forestry and mining roads afford good access to most parts of the property.

2.2 Physiography

The property sits near the eastern edge of the Fraser Plateau physiographic subdivision, characterized by rolling topography and moderate relief. Elevations range from 920 metres at Polley Lake to 1266 metres at the summit of Mount Polley. Forest cover consists of western red cedar, Douglas fir and sub-alpine fir, with lesser black cottonwood, trembling aspen and paper birch. Commercial logging has clear-cut much of the area over the last several years.

Mean monthly temperatures range from 13.7^{0}C in July to –10.7^{0}C in January. Precipitation averages 856 mm with around 350mm falling as snow.



MOUNT POLLEY MINING CORPORATION

PROPERTY LOCATION MAP

0 100 200 300 400 500 km

DATE: January 11, 1998		FILE NAME:	FIG.
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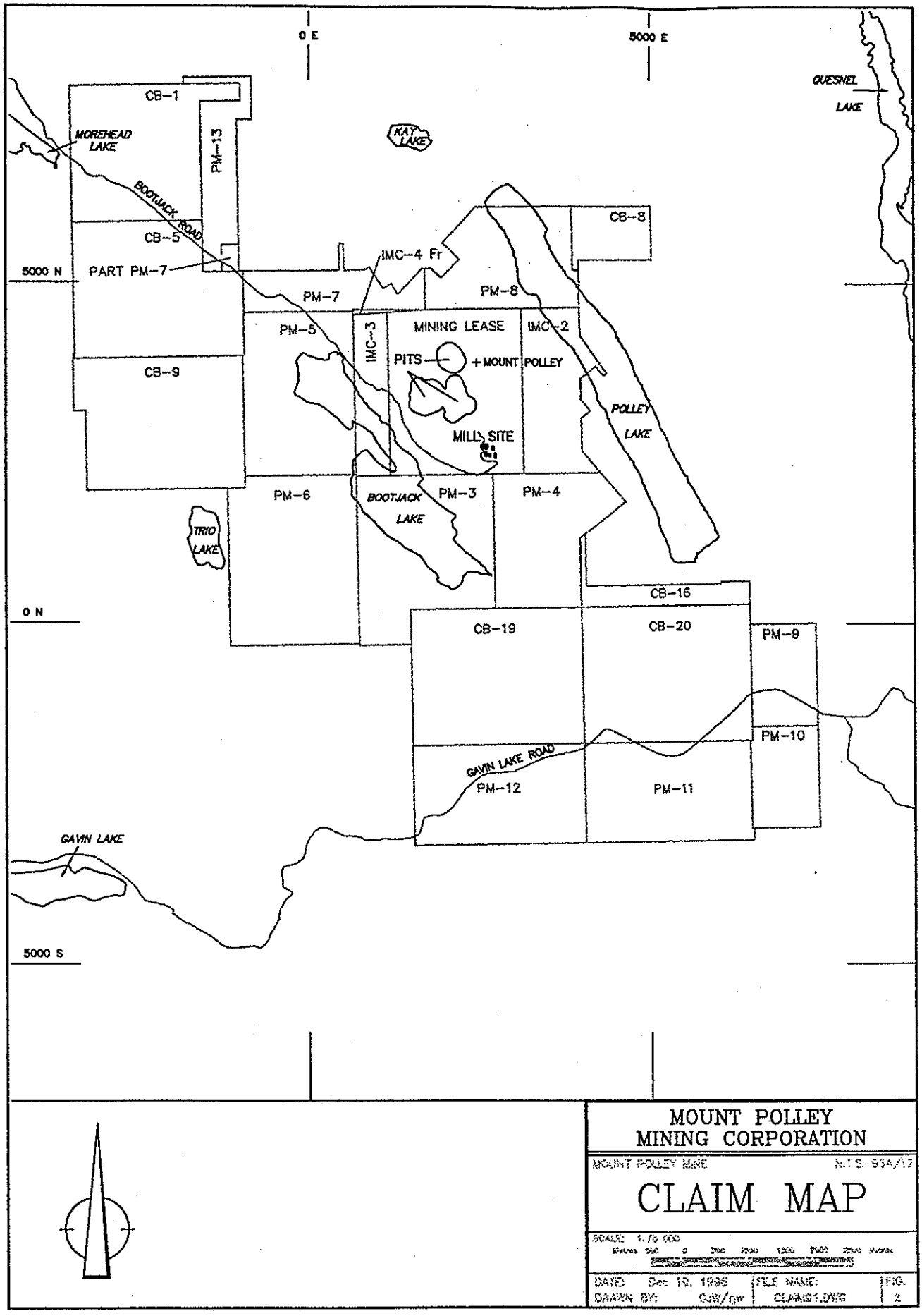


MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY MINE — N.T.S. 93A/12

CLAIM MAP

SCALE: 1 : 75 000

Metres 500 0 2500 5000 7500 10000 12500 Metres

DATE: Dec 19, 1995	FILE NAME: CLAIM01.DWG	FIG. 2
DRAWN BY: CJW/sw		

2.3 Claim Status

The Mount Polley property consists of 21 mineral claims, one fractional claim, and one mining lease (Figure 2). Area covered totals approximately 8,575 hectares including 483.16 hectares covered by Mining Lease 345731. Table 1 lists claims currently in good standing by claim name, number, units, and expiry date. All these claims are owned by *Mount Polley Holding Company Limited.*

Table 1

Mount Polley Mining Claims

Claim Name	Record No.	Units	Area (ha)	Expiry Date	NTS
CB 1	204470	20	500	04-May-01	93A/12E
CB 5	204472	20	500	04-May-02	93A/12E
CB 8	204473	8	200	04-May-03	93A/12E
CB 9	204474	20	500	04-May-02	93A/12E
CB 16	204475	20	500	04-May-03	93A/12E
CB 19	204476	20	500	04-May-02	93A/12E
CB 20	204477	20	500	04-May-03	93A/12E
PM-3	206448	20	500	17-Sep-03	93A/12E
PM-4	206449	20	500	14-Sep-03	93A/12E
PM-5	206450	20	500	29-Sep-03	93A/12E
PM-6	206451	20	500	29-Sep-03	93A/12E
PM-7	206452	12	300	29-Sep-04	93A/12E
PM-8	206453	20	500	17-Sep-03	93A/12E
PM-9	206798	6	150	23-Feb-03	93A/12E
PM-10	206799	6	150	23-Feb-03	93A/12E
PM-11	206800	15	375	23-Feb-03	93A/12E
PM-12	206801	15	375	21-Feb-02	93A/12E
PM-13	207244	12	300	26-Sep-03	93A/12E
IMC 1*	340017	20	500	22-Aug-26	93A/12E
IMC 2	340018	15	375	21-Sep-03	93A/12E
IMC 3	340019	5	125	22-Sep-03	93A/12E
IMC 4 fr.	340020	1	25	22-Sep-05	93A/12E
ML 345731*	345731		483	22-Aug-99	93A/12E
		Total	8,558	Ha	

2.4 Property History

The Mount Polley Deposit was first discovered as a result of follow-up prospecting of an aeromagnetic anomaly highlighted on a government aeromagnetic map sheet issued in 1963. Claims were first staked in 1964 by Mastodon Highland Bell Mines Ltd. and Leitch Gold Mines. In 1966, the two companies formed Cariboo-Bell Copper Mines Ltd. The property was mapped, soil and rock geochemical surveys and airborne and ground-based geophysical surveys were conducted, followed by bulldozer trenching

and drilling. A group of Japanese companies joined Cariboo Bell but later withdrew over concerns about the metallurgy. In 1969, Teck Corporation took over control of Cariboo Bell.

During the period from 1966 to 1972, a total of 18,341 metres of diamond drilling and 8,533 metres of percussion drilling were completed in 215 holes. In 1970, magnetic, seimic, and induced polarization (IP) surveys were conducted on the property. Teck continued to work the property in 1972, 73, and 75. In 1978, Highland Crow Resources, an affiliate of Teck, acquired control of Cariboo Bell. The following year, Teck completed 6 percussion holes totalling 354 metres.

In 1981, E&B Explorations Inc. optioned the property from Highland Crow and completed 1,746 metres of diamond drilling, 1,295 metres of rotary drilling, and soil geochemical and ground control surveys. The following year, E&B acquired 100% interest and continued to work on the property with joint venture partners Geomex Partnerships and Imperial Metals Corporation. From 1982 to 1987, E&B completed soil geochemistry, magnetic, VLF-EM and IP surveys; geological mapping; 3,585 metres of diamond drilling and 4,026 metres of reverse circulation drilling.

In 1987, Imperial Metals merged with Geomex Partnership and purchased the remaining interest in the property from Homestake Canada and others. (E&B had merged with Mascot Gold Mines which subsequently merged with Corona Corporation and finally became Homestake Canada).

During the period between 1988 and 1990, Imperial Metals Corporation conducted a comprehensive exploration program consisting of 238 NQ diamond drillholes totalling 27,566 metres, the collection of 6 bulk samples totalling 130 tonnes from surface trenches, geological mapping and IP surveys. A positive feasibility study incorporating new ore reserve calculations, metallurgical testing, geotechnical evaluations, and environmental impact assessments was completed in 1990 by Wright Engineers Ltd.

In 1993/94, Theresa Fraser from the University of British Columbia completed a Masters thesis on the geology, alteration, and origin of hydrothermal breccias on the deposit. The focus of the study was to document data important to aspects of the genesis of the deposit, particularly breccia distribution, breccia types, distinctive matrix minerals and alteration.

In 1994, Gibraltar Mines Ltd., under an option agreement with Imperial Metals, carried out 1,216 metres of diamond drilling in 7 holes on the deposit. Upon evaluation of the project, Gibraltar declined further participation. Following a merger with Bethlehem Resources Corporation in 1995, Imperial completed an in-house feasibility study and arranged financing with Sumitomo Corporation through a joint venture with SC Minerals Canada, culminating in the formation of Mount Polley Mining Corporation in April 1996.

In 1995, 5 HQ diamond drillholes totaling 883.92 metres were completed on the south end of the Cariboo Zone for metallurgical testing. An additional 11 NQ holes totaling 1,773.33 metres were completed on various targets around the property. Of the 11 holes, 2 were in the Kay Lake Basin area, 4 on the Road Zone, 1 immediately northwest of the design Springer Pit, and 4 south of the design Cariboo Pit. Seven 6" diameter rotary holes totalling 932.38 metres were also drilled. The primary purpose of the holes was to source and monitor groundwater, but cuttings were also collected, logged and sampled over 10 foot (3.05 metre) intervals. Sites included the southeast end of the design Cariboo Pit, three immediately southeast and southwest of the millsite, one immediately east of the north end of the Cariboo Pit, one between the East Rock Disposal Site and Polley Lake, and one between the proposed Springer Pit and Bootjack Lake. Also, a soil geochemical survey was conducted over 6.175 kilometers of grid between an old E&B grid and the north claim boundary. Lines were spaced at 100 metres, stations at 25 metres.

In 1996, 7 NQ diamond drillholes totalling 991.51 metres were completed peripheral to the Mount Polley orebody. Three holes totalling 483.11 metres were drilled on the Road Zone, three more totalling 369.72 metres were completed on the Northwest Zone, 800 metres northwest of the design Springer Pit, and a single inclined hole totalling 138.68 metres was completed on the S Zone west of the Road Zone. In addition, a very limited program of rock geochemistry was conducted on new rock exposures within the mine property, including the last 2 km of the mine access road, Southeast Sediment Pond, Perimeter Ditch, S Zone, and Gavin Lake.

The 1997 exploration program focussed on defining mineable limits on the east and south margins of the Cariboo Pit. Diamond drilling consisted of 15 NQ holes totalling 1,614.0 metres along the East and South Cariboo mineralized trends. Additionally, 17 short (average 40 metres) percussion holes totalling 702.1 metres were drilled along the East Cariboo Zone to better define mineralization for mine planning. To better understand and classify the geology, a short program of detailed (1:500 scale) geological mapping was initiated along this eastern trend (Read, 1997), in conjunction with ongoing wall mapping in the Cariboo Pit. Three percussion water well holes totalling 350.5 metres were drilled south of the mill complex, immediately south of the Cariboo Pit and at 10 kilometre on the Bootjack Road in an attempt to source groundwater for mining and milling operations. Drill cuttings were collected and inspected for each 30 foot interval. Miscellaneous exploration included rock chip samples collected from new blast exposed outcrops at 9.5 kilometre on the Bootjack Road.

2.5 1998 Program

A total of 792.18 metres of diamond drilling were completed in three holes around the Cariboo Pit at Mount Polley Mine. The three holes tested three zones; Cariboo North, Southeast Zone, and Cariboo South to an elevation of 900 metres, approximately 230 metres below current mining. The objectives of

the drill program were to test the continuity of the orebody to depth; to define the relationship between mineralization, alteration and rock type; to refine the current rock classification system to ensure consistency; and to assess rock quality to assist in pit design. A program of detailed geological mapping and core relogging was initiated to determine the distribution of major rock units and their relationship to ore mineralization within the Cariboo Pit.

3.0 Geological Setting

3.1 Regional Geology

The Mount Polley deposit is hosted in an alkalic intrusive complex within the Central Quesnel Belt (CQB), a part of Quesnellia extending along the eastern margin of the Intermontane Belt in south-central British Columbia. The CQB is comprised of Upper Triassic to Lower Jurassic sedimentary and volcanic rocks of island arc and oceanic origin extending along the western margin of the Omineca Crystalline Belt. These Nicola Group rocks are thought to have formed in a Late Triassic volcanic arc, east of a subduction-accretion complex.

Stocks within the CQB are interpreted to be coeval with the more broadly distributed volcanic rocks, likely as volcanic centres. Northwest trending faults appear to control the emplacement of these centres. The Polley Stock is made up of syenite, monzonite, monzodiorite, and diorite, dated around 202 Ma, intruding polylithic volcanic breccia and alkali basalt of the Nicola Group.

3.1 Deposit Geology

The Mount Polley deposit is hosted in the Polley Stock, a 5.5 by 4 kilometre intrusive body largely comprised of diorite. The orebody is hosted within intrusion and hydrothermal breccias related to the monzonite intrusions along the north-northwest striking Polley Fault. This fault separates the deposit into the Central Zone (Cariboo and Bell Pits) and the West Zone (Springer Pit), each with distinctive characteristics of mineralization, alteration and breccia types.

Deposit lithologies are chiefly diorite, monzonite, plagioclase porphyry, and intrusion breccia consisting of diorite clasts in a plagioclase porphyry or monzonite matrix. Other important lithologies include volcanic breccias and tuffs, common along the east side of the deposit, porphyritic augite monzodiorite, potassium feldspar phyric monzonite, augite porphyry, and biotite lamprophyre dykes. These units are interpreted as dykes, although a stock of phyric monzonite breccia also occupies the summit of Mount Polley.

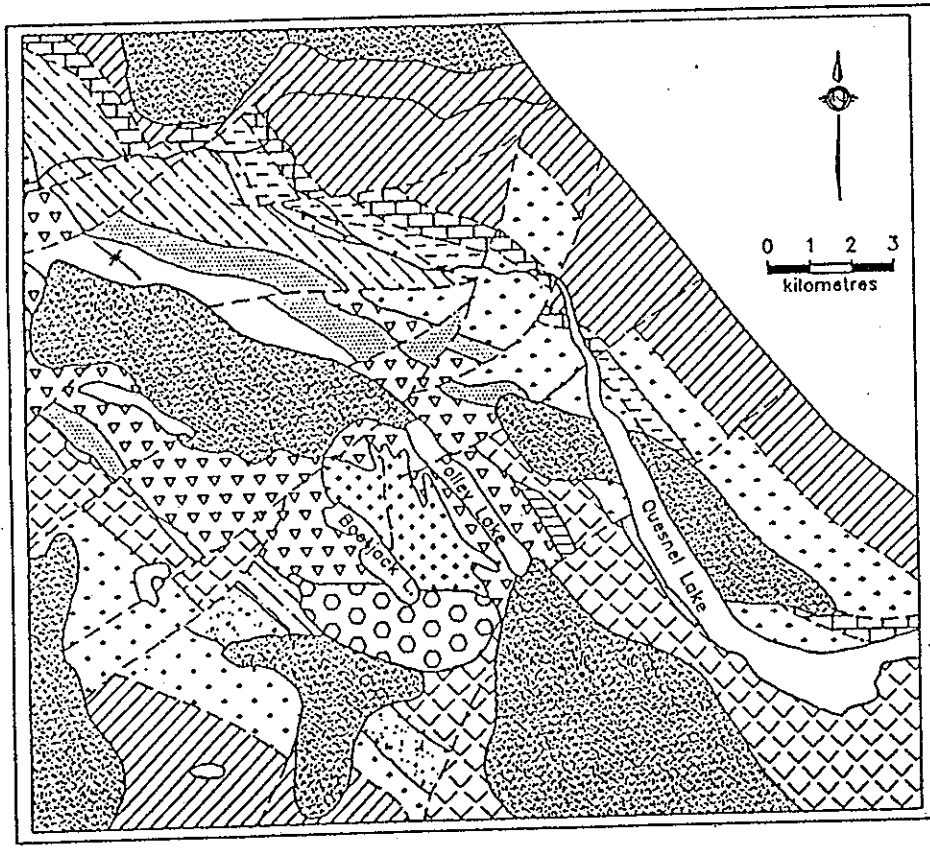
The diorite host is fine grained, equigranular to weakly porphyritic, composed of plagioclase, minor pyroxene, and accessory minerals including magnetite, sphene and apatite. Plagioclase porphyry and monzonite intrude diorite and form the matrix of much of the intrusion breccia. The porphyry is crowded with plagioclase phencrysts up to 5 millimetres in length and variably sericitized. Mafics include primary biotite, hornblende and magnetite although the unit is commonly strongly altered.

Polymictic volcanic breccias and tuffs form part of the eastern margin of the central zone becoming more dominant to the south and east. Blocks of volcanics form xenoliths in the diorite and occasional clasts in intrusion and hydrothermal breccias. In the southeast part of the central zone, a unit of magnetite-rich rock, possibly skarn related, occupies an area up to 100 by 100 metres. This unit is in sharp contact with both diorite and plagioclase porphyry, and may replace volcanics. Locally, this unit appears to be well mineralized and coincident with possible supergene mineralization.

Hydrothermal brecciation is superimposed on diorite, plagioclase porphyry, monzonite, intrusion breccia and, more rarely, volcanic tuff/breccia. Fraser (1994) divided the hydrothermal breccias into four types based on matrix mineralogy, including actinolite, biotite, magnetite, and albite. Actinolite breccia, mapped in the central zone east of the Polley Fault, consists of subangular clasts in a matrix of fibrous dark green actinolite and potassically altered material. Biotite breccia is identified only in the southern part of the central zone by the presence of hydrothermal biotite flakes locally altered to chlorite. Magnetite breccia is much less abundant and localized. Albite breccia dominates the west zone and is identified by the presence of prismatic albite crystals in vugs in the breccia matrix commonly with secondary biotite. The effects of albitization make it difficult to distinguish clasts.

Alteration at Mount Polley, typical of alkalic porphyry systems, is dominated by a central potassic zone defined by potassium feldspar-albite, biotite, and actinolite, with little or no phyllic/argillic zone. The potassic core is coincident with hydrothermal and intrusive brecciation as well as copper-gold mineralization. The propylitic zone is characterized by albite, epidote, chlorite, carbonates, garnet, pyrite and zeolites. A pyrite halo has been identified northeast and southwest of the deposit within the propylitic zone.

The deposit contains chalcopyrite, pyrite, and bornite as primary sulphides. Concentrate polished grain mounts revealed rare tetrahedrite, galena, sphalerite, and molybdenite. Secondary or supergene sulphides are also rare but include chalcocite, covellite, and digenite. Oxides include malachite, azurite, magnetite, hematite, and limonites likely goethite and minor jarosite. Chrysocolla is a relatively rare secondary copper mineral. Native gold is present as 5 to 30 micron inclusions in chalcopyrite. Ore mineralogy is hosted primarily in hydrothermal and intrusion breccias, with lesser amounts in plagioclase porphyry, monzonite, diorite, and volcanics.



LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

INTRUSIVE ROCKS

PLEIST.

- Glacial, fluvioglacial material

- Bootjack Stock: Pseudoleucite syenite
- Polley Stock: Monzonite, diorite

JURASSIC

- Chert, limestone, shale, sandstone
- Interbedded sandstone, siltstone
- Maroon alkali olivine basalt–analcite bearing
- Feldspathic sandstone, siltstone
- Polylithic breccia with feldspathic clasts

TRIASSIC

- Analcite–bearing maroon and grey basalt
- Hornblende–bearing pyroxene basalt
- Polylithic mafic breccia
- Maroon alkali basalt
- Green and grey alkali basalt
- Dark grey and green siltstone, sandstone, mafic tuff; minor conglomerate

SYMBOLS

- Geological Contact
- Fault
- Syncline

MOUNT POLLEY MINING CORPORATION

SIMPLIFIED REGIONAL GEOLOGY

DATE:	January 1998	FILE NAME:	FIG.
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4.0 1998 Diamond Drilling Program

4.1 Description

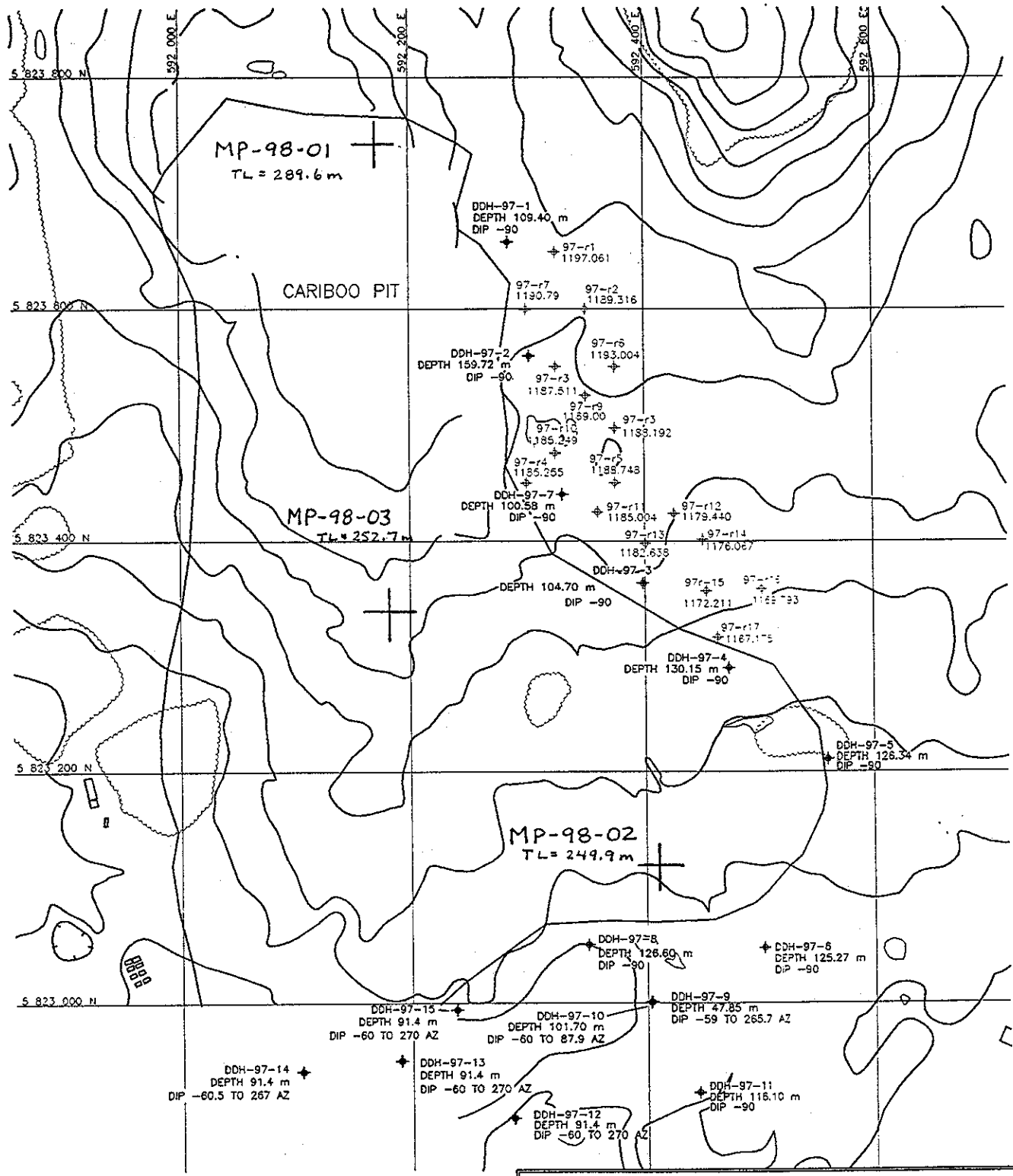
The focus of the 1998 drill program was four-fold. The primary aim was test for high-grade mineralization at depth. The orebody has demonstrated strong vertical continuity in the upper benches of the Cariboo Pit, and there is excellent potential for continuation of high-grade mineralization beyond the depth of previous drilling. Secondly, the relationship between mineralization, protolith, and alteration continues to be examined. Thirdly, the 1997 rock classification (Read, 1997), designed for surface mapping, was tested and will likely be expanded to fit in-pit geological mapping and core re-logging. Continuity between surface and subsurface observations is critical for consistent geological modeling in the future. Results will help guide exploration locally and regionally. Lastly, geotechnical logging has added structural and rock quality data that will aid pit design.

Exploration in 1998 at the Mount Polley Mine consisted of 792.18 meters of diamond drilling (NQ-size core) in 3 vertical holes, completed during June and July of 1998 and all within the present open pit. One hole was drilled in each of the following areas: Cariboo North (MP-98-01), Southeast (MP-98-02), and Cariboo South (MP-98-03). Target depth and actual drilled depth of the holes are shown in Table 2.

Table 2
1998 Diamond Drillholes

Hole No.	Zone	Coordinates			Length	Target Depth	Bottom	Az./Dip
		Northing	Easting	Elevation	(m)	(m)	Elevation	(degree)
98-01	Cariboo North	3742.59	2169.58	1189.57	289.56	240	900.01	-90
98-02	Southeast	3120.59	2410.31	1149.56	249.94	200	899.62	-90
98-03	Cariboo South	3340.14	2179.64	1150.34	252.68	200	897.66	-90

All core was logged and sampled; a total of 548 samples were taken over an average length of 1.5 metres. Samples were cut in half with a rock saw. One half of the core was shipped to Intertek Testing (Bondar Clegg) in North Vancouver for assaying and the other half stored on the property for future reference. All samples were dried, crushed (-10 mesh), split (1000 grams) and pulverized (-150 mesh) at Intertek before being analyzed for total copper, oxide copper, gold, and iron. Total copper and iron were determined with $HNO_3/HCl/HF/HClO_4$ digestion with atomic absorption finish (0.01-15% detection limit). Gold was analyzed with a 30-gram Fire Assay and atomic absorption finish (5-10,000 ppb detection limit). Copper oxide was determined using a 30% H_2SO_4 leach and atomic absorption finish (0.01% lower detection limit).



+ 1997 Diamond Drillholes

+ 1997 Percussion Drillholes

— + — 1998 Diamond Drillholes

CONTOUR INTERVAL: 10m

MOUNT POLLEY MINING CORPORATION

DRILLHOLE LOCATION MAP

SCALE: 1:5000

0 100 200 300 400 m

DATE:	January 1998	FILE NAME:	FIG.
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4.2 Rock Classification

The following rock types dominate Cariboo Pit geology; plagioclase porphyry and monzonite, diorite, intrusion breccia, volcanic rocks, and augite porphyry dykes. Plagioclase porphyry occurs as discrete intrusions into diorite and forms the matrix of the intrusion breccia. The unit is light grey to pink and generally strongly porphyritic. Monzonite is a non-porphyritic phase of the plagioclase porphyry unit. Both phases can be strongly altered and host patchy ore-grade mineralization. Crosscutting relationships show that both phases intrude the diorite.

Intrusion breccia is a most dynamic rock type, locally exhibiting intense potassic flooding that obliterates much of the texture of the rock. In less altered areas, potassium feldspar is confined to vein envelopes, indicating a decrease in porosity of the rock. Clasts observed within the breccia vary in size from <2cm to 2m, and are dominantly diorite or volcanic, with some monzonitic clasts in MP-98-01. Clast-supported and matrix-supported breccia textures are both present. Breccia classification based on matrix mineralogy was discontinued, although trends noted by Fraser (1994) generally held true for the 3 holes. *Also, albite is locally common throughout MP-98-03.*

Dark grey volcanic rocks are abundant in MP-98-02. These rocks are very fine grained and massive. The matrix consists of plagioclase, biotite and occasional dark mafic 1mm clasts. Phyric plagioclase is present in low quantities. Alteration is generally confined to vein halos, but occasionally, the rock takes on a light pink tinge, indicating selective potassium alteration in the matrix. Mineralization in this unit is highly variable.

Augite porphyry dykes are intersected in all three drillholes. Dark green to pink in colour, the dykes commonly display chill margins and oxidation (hematite) at contacts. Augite phenocrysts (1-3 mm, 15-20%) are nestled in a massive biotite, pyroxene matrix. Alteration of these dykes is absent or weakly potassic. Mineralization is absent. Biotite lamprophyre dykes form the latest intrusive event, occupying steep north-trending fault zones.

4.3 Alteration

A preliminary breakdown of alteration type and intensity is being used to analyze the connection between alteration and mineralization. A description of differing intensities of potassic alteration was devised based on the following descriptions:

Extreme Potassic Alteration (sample from MP-98-01, 28.4 - 28.55 m)

Extreme potassic alteration can be characterized as a massive pink microgranular anhedral aggregate composed of up to 50% potassium feldspar. Clasts or remains of the host rock have been obliterated by alteration. Actinolite and calcite veins cut the matrix. Mineralization cannot be seen in this particular sample, however in other areas of extreme alteration, chalcopyrite occurs disseminated throughout and associated with late calcite veins.

Moderate Potassic Alteration (sample from MP-98-01, 35.84 - 36.08 m)
Moderate potassic alteration is typically displayed in plagioclase porphyry stockwork matrix hosting weakly altered, grey-pink subangular clasts of diorite. In this sample, albite is evident in both the matrix and clasts. Blebs of magnetite and diopside are present in the matrix, and are crosscut by potassium feldspar. Potassic alteration is pervasive, but strongest associated with veins.

Weak Potassic Alteration (sample from MP-98-01, 136.75 - 136.9 m)
Crowded plagioclase porphyry exhibiting weak potassic alteration displays a groundmass of fine-grained potassium feldspar, biotite, diopside and plagioclase with little or no brecciation evident. The groundmass is light grey to pink, depending on the amount of potassium feldspar flooding into the matrix. Albitization is rare. Mineralization usually confined to veins and fractures, but it is sometimes disseminated in the groundmass.

4.4 MP-98-01

MP-98-01 was drilled to determine the continuity of mineralization to depth at the north end of the Cariboo Pit, adjacent to the Bell (North) Pit. The hole bottomed at a total depth of 289.56m, at 900.0m elevation.

The top 49.2 metres consist of intrusion breccia hosting ore-grade mineralization and strong potassic alteration. Chalcopyrite occurs as disseminations, fracture fillings, and blebs. Rare bornite and pyrite are usually disseminated. From 49.2 – 82.4 metres, plagioclase porphyry displaying weak to moderate potassic alteration hosts much lower grades. Between 82.4 – 164.2 metres, post-ore augite porphyry dykes are common. Intervening intrusion breccia and plagioclase porphyry host ore-grade intervals (see Table 2). From 164.2 – 280.0 metres, intrusion breccia hosts a couple of near ore-grade intervals, but the bottom 21.7 metres are clearly ore-grade. Below 164m depth, evidence of early propylitic alteration with a potassic overprint, is found in volcanic clasts within intrusion breccia and plagioclase porphyry intervals. At 280.0 metres, intrusion breccia forms a sharp, unsheared contact with footwall diorite. Brecciation, alteration and mineralization drop off very quickly into the diorite.

MP-98-1 displays trends in lithology and alteration that correlate well with mineralization. Higher gold and copper values are often associated with veinlets of potassium feldspar 1 – 4mm thick. Brecciation

appears to be the most important control on degree of alteration and intensity of mineralization. Hydrothermal breccias are best developed in intrusion breccias and to a lesser degree in plagioclase porphyry, volcanic tuffs, and diorite. Fine-grained chalcopyrite, actinolite, magnetite and plagioclase occur as disseminations and 2–16mm pockets, coincident with strong potassic alteration.

Table 3
MP-98-1 : Significant Intersections

From	To	Length	Cu (%)	Cu-ns (%)	Ox Ratio	Au (ppb)
17.98	27.00	9.02	0.206	0.052	25.4%	0.275
40.73	45.19	4.46	0.332	0.103	30.9%	0.432
108.12	114.13	6.01	0.283	0.051	17.8%	0.351
118.06	120.30	2.24	0.229	0.034	14.8%	0.239
123.32	132.18	8.86	0.287	0.045	15.6%	0.548
189.78	206.28	16.50	0.166	0.027	16.4%	0.276
234.50	249.30	14.80	0.158	0.032	20.1%	0.192
258.30	280.00	21.70	0.225	0.034	15.1%	0.380

The presence of ore-grade mineralization down to 910 metres elevation is very significant indeed. The north-end of the Cariboo Pit below 1050 metres north through the Bell Pit remains largely untested, representing a large, potentially mineable resource. A program of several deep diamond drillholes is strongly recommended for the east side of the North Cariboo - Bell Zone trend.

4.5 MP-98-02

MP-98-02, situated in the southeast part of the Cariboo Pit, was drilled to a total depth of 249.94m, or 899.62 meters elevation, to test the continuity of Southeast Zone mineralization to depth.

The first 9.1 metres hosts low total copper and gold values, and displays textures consistent with a leaching of sulphides with fluctuating water tables. Immediately below, two intervals, from 10.6 to 16.6m and 21.1 to 34.6m, are possibly enriched by supergene processes, hosting copper grades up to 0.86% and gold to 1.52 gpt and a copper oxide to total copper ratio of less than 20%. Chalcopyrite and chrysocolla are common but a minor quantity of chalcocite is suspected.

Below 35.76 metres, leaching and enrichment textures in the intrusion breccia disappear with a coincident drop in copper and gold grades. Potassic alteration is weak but variable. Below 88.72m, four intervals of volcanic rocks, possibly andesites, were intersected, displaying weak potassic alteration with disseminated, vein-hosted and fracture-filling chalcopyrite. One near ore-grade interval between 90.09 – 109.65 metres runs through the upper volcanic member into the underlying intrusion breccia. Grades of 0.243% copper and 0.22 gpt gold are close to economic at an oxide ratio of 27.6%. A second low-grade

interval in volcanics lies below an augite porphyry dyke. Grades are very low in the third volcanic member.

Grades pick up again in a short interval of intrusion breccia at 166.9 metres. The bottom volcanic member hosts two intervals grading 0.272% copper and 0.264 gpt gold over 28.6 metres and 0.199% copper and 0.256 gpt gold over 23.0 metres, respectively, between 912 – 973 metres elevation.

Table 4
MP-98-2 : Significant Intersections

From	To	Length	Cu (%)	Cu-ns (%)	Ox Ratio	Au (ppb)
9.10	34.60	25.50	0.401	0.060	15.1%	0.448
90.09	109.65	19.56	0.243	0.067	27.6%	0.220
119.00	126.60	7.60	0.168	0.030	17.8%	0.139
166.90	171.70	4.80	0.211	0.032	15.0%	0.198
177.70	206.30	28.60	0.272	0.042	15.5%	0.264
214.00	237.00	23.00	0.199	0.044	21.9%	0.256

Mineralization is dominantly disseminated chalcopyrite, with minor amounts of pyrite, bornite and chrysocolla. Chalcopyrite is also found in late calcite veins. Augite porphyry dykes crosscut all rock types and are unmineralized. Within the Southeast Zone, gold to copper ratios are significantly lower than in the adjacent South Cariboo Zone. Also, high grades are generally associated with high iron, presumably magnetite.

Alteration is determined by host rock lithology. Intrusion breccia and plagioclase porphyry are moderately potassically altered. Volcanic rocks display potassium feldspar halos surrounding veins and possibly weak propylitic alteration throughout. Augite porphyry dykes are post-alteration.

Results from MP-98-02 demonstrate that economic grades are possible in volcanic rocks common along the east side of the deposit. The presence of near-economic grades below 1000 metres elevation also demonstrates the potential for developing reserves to the south and east of the Cariboo Pit. To test that potential, several deep (250 – 300 metre) drillholes are recommended for the Southeast Zone.

4.6 MP-98-03

MP-98-03, situated in the central part of the Cariboo Pit, was drilled to a total depth of 252.68m, or 897.66 metres elevation. Again, the target was deep mineralization in the centre of the developing Cariboo Pit.

Between 3.68 – 31.95 metres, grades are 0.280% copper and 0.449 gpt gold but with a very high copper oxide to total copper ratio of 87.2% in broken and weathered intrusion breccia. A series of three augite

porphyry dykes is dominant between 31.95 – 52.2 metres. One 3.55 metres zone of intervening intrusion breccia ran 0.249% copper and 0.330% gold with an oxide ratio of 86.2%. Oxidation drops dramatically below the dykes, indicating that area is below the permanent water table. Good grades were encountered between 61.2 – 83.8 metres and 89.8 – 109.5 metres in moderately to strongly potassic intrusion breccia. A 4.1 metre thick dyke of augite porphyry at 161.33 metres splits that intrusion breccia. Three more significant intersections were encountered below the dyke, including a 25.5 metre section assaying 0.195% copper and 0.281 gpt gold below 213.5 metres elevation.

Table 5
MP-98-3 : Significant Intersections

From	*To*	*Length*	*Cu (%)*	*Cu-ns (%)*	*Ox Ratio*	*Au (ppb)*
3.68	31.95	28.27	0.280	0.245	87.2%	0.449
44.47	48.02	3.55	0.249	0.214	86.2%	0.330
61.20	83.80	22.60	0.248	0.052	20.9%	0.333
89.80	109.50	19.70	0.228	0.034	15.0%	0.301
167.00	176.00	9.00	0.173	0.036	20.9%	0.231
180.55	188.00	7.45	0.250	0.039	15.6%	0.247
213.50	239.00	25.50	0.195	0.062	32.0%	0.281

The mineral assemblage in the upper 52.2 meters includes malachite, azurite, chrysocolla and chalcopyrite together with abundant magnetite. Below 52.2 metres, oxidation diminishes and chalcopyrite and pyrite are present. Malachite and rare chrysocolla appear again in conjunction with oxidation between 211 and 239 meters.

Potassic alteration is moderate to extreme in the top 161 meters, but becomes somewhat weaker and more sporadic with depth. Variable albitic alteration of plagioclase phenocrysts is a significant feature throughout the hole.

MP-98-03 is located in a significant structural break between low oxide ore of the North Cariboo and higher grade, higher oxide ore of the South Cariboo. Once again, reasonably good grades are found below 1000 metres elevation demonstrating the potential for developing reserves at depth within the Cariboo South Pit. To test that potential, several deep (250 – 300 metre) drillholes are recommended for the whole Cariboo South Zone.

5.0 Geotechnical Data

Geotechnical data, including core recovery, Rock Quality Designation (RQD), number of fractures, strength index, and alteration index, were collected for each core run in all three holes. Strength and alteration indices were not done on MP-98-1, but will be as part of a core-relogging program in September and October 1998.

MP-98-01, located at the north end of the Cariboo Pit, showed a core recovery close to 100% throughout. Recoveries drop as low as 44% over a single 1.4 metre run through narrow gougy fault zones. RQD's were 0% between 45.42 – 46.94 metres in highly altered and fractured intrusion breccia and 196.29 – 201.78 metres in fractured plagioclase porphyry ranging up to 100% in weakly altered and mineralized intrusion breccia. Much of the hole is greater than 80%. The number of fractures per metre ranges from approximately 20 in mineralized intrusion breccia to less than 1 in diorite at the bottom of the hole.

MP-98-02, located in the southeast corner of the Cariboo Pit, again showed a core recovery close to 100% throughout. RQD's were also high throughout, except for the top 35 metres of highly altered breccia. Fracture densities were generally lower than in 98-1. Strength index ranged from 1 (very weak) over the top 35 metres to 4 (strong) in plagioclase porphyry. Most of the intrusion breccia and volcanics have a strength index of 3 (medium strong). Similarly, qualitative alteration ranges from 5 (completely altered) near the top of the hole to 3 (moderately altered) for most of the rest of the hole.

MP-98-03, located in the centre of the Cariboo Pit, also showed excellent core recovery. RQD's were variable but generally lower over the top 65 metres than for the rest of the hole. Fracture densities are similar to 98-2. Strength index ranges from 1 – 2 (very weak to weak) to around 40 metres to 4 (strong) in intrusion breccia below around 160 metres. Alteration ranges from 4 (highly altered) to around 25 metres to 3 (moderately altered) over most of the rest of the hole.

6.0 Geological Mapping

To gain a better understanding of the distribution of various rock types, alteration and mineralization, a program of geological mapping was initiated on August 24th to complement ongoing geotechnical mapping of pit walls. Mapping started at the north end of the Cariboo Pit, concentrating on breccia – plagioclase porphryry (monzonite) contacts, style of brecciation, alteration and mineralization. Key to the program was distinguishing rock types and developing a rock classification scheme that could be easily implemented in the field.

In the Cariboo Pit, the most important rock type is breccia, both intrusion and super-imposed hydrothermal. Strong potassium feldspar alteration is largely coincident with both breccia types, making identification of clast types, size, angularity, proportion to matrix, and matrix type difficult. To simplify mapping, all breccias were grouped together as a single map unit. Outstanding breccia features were noted, including the presence of hydrothermal minerals including actinolite, biotite, diopside – hedenbergite, magnetite, albite, epidote, chlorite, and carbonates. Generally, copper and gold grades are coincident with strong brecciation and alteration.

Breccias are hosted in diorite, plagioclase porphyry and monzonite, a non-porphyritic phase of the porphyry. These host rocks exhibit local brecciation, potassic alteration of variable intensity and spotty mineralization. Generally, mineralization is related to strong potassic alteration which, in turn, is best developed in breccia. The intensity of potassic alteration drops off sharply at breccia-monzonite (plagioclase porphyry, diorite) contacts. Based on blasthole assay data from the benches mapped, copper and gold grades also drop significantly in the plagioclase porphyry and monzonite units.

A number of late to post-mineralization dykes and intrusions have been mapped. The most significant is an unmineralized, pink, megacrystic monzonite. This massive unit forms a large plug and several irregular dykes in the centre of the north end of the pit. Megacrysts are much less abundant near contacts making it difficult to distinguish from pink plagioclase porphyry and monzonite. Blastholes within the megacrystic monzonite returned very low copper and gold grades. A north-trending, grey augite monzonite to monzodiorite dyke was mapped from the 1190 – 1210 Bench north wall, for 200 metres south where it forms the eastern contact of the central megacrystic monzonite plug. Like the plug, this dyke is post-mineral. It has not been identified anywhere else in the pit.

Two sets of mafic dykes crosscut all other rock types. Augite porphyry (AP) dykes are generally north-trending, and range up to 10 metres in thickness, although 1 – 3 metres is typical. These dykes are very continuous, several have been mapped along the entire length of the pit. AP dykes are fine-grained, dark green, and contain black augite phenocrysts generally 1 – 3 millimetres in diameter. Often, the dykes are

weathered and strongly sheared, exhibiting shallowly-plunging slickensides. Lamprophyre dykes are also north-trending and often coincident with AP dykes. Locally, they crosscut the AP dykes. Lamprophyre dykes are always highly sheared and near surface are strongly weathered. Biotite is the most common constituent.

Table 6
Lithologic Units – Cariboo Pit

Unit	*Abbr*	*Description*
Lamprophyre dykes	Lamp	Medium to dark green and grey, biotite-rich, sheared, weathered.
Augite porphyry dykes	AP	Dark green, fine-grained, black augite phencrysts, often sheared
Megacrystic monzonite	Mzm	Pink, syenitic with Kspar megacrysts, blocky, weakly altered
Augite monzodiorite	AgMz	Pale grey with black augite phenocrysts, blocky, weakly altered
Monzonite	Mz	Equigranular to weakly porphyritic, variable potassic altn.
Plagioclase Porphyry	PP	Crowded porphyry, seriate plagioclase phenocrysts, variable potassic altn.
Diorite	Dr	Medium grey, fine to medium grained, equigranular to weakly porphyritic,
Volcanics	Volc	Polymictic breccia, crystal-lithic tuff

7.0 Recommendations

7.1 Geological Mapping and Core Relogging

An ongoing program of geological mapping and core relogging is proposed for Mount Polley Mine. For 1999, surface mapping will move to the East Cariboo Zone, the South Cariboo Zone, and the Bell Pit. Other targets such as the Northwest Extension, S Zone, Road Zone, and south and east toward Polley Lake and the tailings impoundment facility should be further explored beginning as early as next year.

In conjunction with geological mapping, existing drillcore from the Bell Pit area will be relogged. A total of 27 holes remain in the core racks, requiring 5 days to relog. Similarly, 43 holes from the Springer Pit area remain to be relogged, requiring 8 days to relog. Geological interpretation would likely require 2 weeks to complete for a total of 1 month.

7.2 Diamond Drilling

MP-98-1 through 3 tested three zones; Cariboo North, Southeast Zone, and Cariboo South to an elevation of 900 metres. The program achieved its main objective of confirming the continuity of the orebody to depth and defining a strong relationship between mineralization, alteration and rock type. All three holes discovered highly significant, if not economic grades throughout each hole, in breccias and, significantly, in volcanic rocks. These results suggest that higher-grade zones are likely at depth in the three areas tested.

Three holes, totalling 650 metres, are proposed for the *Polley Fault Zone* to assist in ore delineation. Three drillholes, totalling 650 metres, are suggested for three zones within the *Cariboo Pit*. The highest priority hole would test the southern limit of high-grade ore in the southwest corner of the pit. A second hole is proposed for the Southeast Zone to test high-grade mineralization to depth. The third hole would test for mineralization at depth between and to the west of 98-1 and 98-3. All three holes would be angled to maximize the geology intersected. Stage II may require a follow-up hole in each area, for a total of 650 metres.

A significant amount of drilling is required in the *Bell Pit* to bring the reserve picture into focus. Clearly, the mineralization is open to depth (east) and to the north. Drillhole density is low particularly along the east side of the deposit. A minimum of 8 holes, each drilled at –55 toward the west and 250 metres in length, are required to firm up both the ore reserve picture and pit design criteria. Again, favourable results to the north and/or east would lead to follow-up drilling in the order of 1500 metres.

Two holes, totalling 400 metres, will target the *"X Zone"* to the south, where several X-series holes returned very high copper grades. Both holes would be angled to fence across section 2750N to determine geological control on the X Zone mineralization. Cariboo South is a lower priority target and any follow-up work would be delayed to 2000.

Table 7
Proposed Diamond Drilling - 1999
Stage I

Priority	*Target*	*Time Frame*	*Est. No. of Holes*	*Est. Footage (m)*
1	Polley Fault Zone	1998/99	3	650
2	Cariboo	1999	3	650
3	Bell Pit	1999	8	2000
4	South Cariboo Zone	1999/00	2	400
	Total		**16**	**3700 metres**

Stage II

Priority	*Target*	*Time Frame*	*Est. No. of Holes*	*Est. Footage (m)*
1	Polley Fault Zone	1999	4	1000
2	Cariboo	1999/00	3	650
3	Bell Pit	1999/00	6	1500
4	South Cariboo Zone	2000	-	-
	Total		**13**	**3150 metres**

Respectfully submitted,

Christopher J. Wild, P.Eng.
Mine Geologist

8.0 References

Bailey, D.G. (1988): Geology of the Central Quesnel Belt, Hydraulic, South-Central British Columbia; in Geological Fieldwork 1987, B.C. Minisrtry of Energy, Mines and Petroleum Resources, Paper 1988-1, p.147-153.

Coe, J.E. (1996): Copper Oxide Occurrences in a Feed Sample from Mount Polley Mine, British Columbia; Cytec Industries Inc., unpublished report, 11 p.

Fraser, T.M. (1994): Geology, Alteration and Origin of Hydrothermal Breccias at the Mount Polley Alkalic Pophyry Copper-Gold Deposit, South-Central British Columbia; unpublished MSc thesis,the University of British Columbia, 261 p.

Fraser, T.M. (1994): Hydrothermal Breccias and Associated Alteration of the Mount Polley Copper-Gold Deposit; in Geological Fieldwork 1993, B.C. Minisrtry of Energy, Mines and Petroleum Resources, Paper 1994-1, p.259-267.

Fraser, T.M., Stanley, C.R., Nikic, Z.T., Pesalj, R. and Gorc, D. (1996): The Mount Polley Alkalic Porphyry Copper-Gold Deposit, South-Central British Columbia; in Porphyry Deposits of the Northwestern Cordillera of North America; Canadian Institute of Mining and Metallurgy, Special Volume 15, p. 388-396.

Harris J.F. (1989): A Petrographic Study of Mineralized Samples from the Mount Polley Property; Harris Exploration Services, unpublished report, 14 p.

Harris J.F. (1989): "Modified descriptions and rock names for suite previously described..."; Harris Exploration Services, unpublished report, 38 p.

Hodgson, C.J., Bailes, R.J. and Verzosa, R.S. (1976): Cariboo-Bell; in Porphyry Deposits of the Canadian Cordillera; Canadian Institute of Mining and Metallurgy, Special Volume 15, p. 388-396.

Imperial Metals Corporation (1988): Drill Logs for Holes MP-88-1 to MP-88-99; unpublished files.

McLeod, J.A. (1997): Microscopic study of polished grain mounts of 3 mineral concentrates; Westcoast Mineral Testing Inc., unpublished report 5 p.

McLeod, J.A. (1997): Microscopic study of polished grain mounts of 5 mineral concentrates; Westcoast Mineral Testing Inc., unpublished report 7 p.

Hawthorn G. (1997): Laboratory Evaluation of Mt. Polley Ores; Westcoast Mineral Testing Inc., unpublished report 8 p.

McMillan, W.J. (1991): Porphyry Deposits in the Canadian Cordillera; in Ore Deposits, Tectonics and Metallogeny in the Canadian Cordillera, B.C. Minisrtry of Energy, Mines and Petroleum Resources, Paper 1991-4, p.253-276.

McNaughton, K. (1990): Diamond Drilling and Bulk Sampling Report, Mount Polley Project; Imperial Metals Corporation, unpublished report, Volumes 1-3.

Pesalj, R. (1996): Mount Polley Project, 1996 Exploration Report; Imperial Metals Corporation, unpublished report, 17 p.

Pesalj, R. (1995): Report on 1995 Exploration on the Mount Polley Property, Likely B.C., Cariboo Mining Division; Imperial Metals Corporation, unpublished report, 18 p.

Read, P.B. (1997): Surface Geology of the Area East of the Cariboo Pit, Mount Polley Mines, Cariboo Mining Division (93A/12E); Mount Polley Mining Corporation, unpublished report, 25 p.

Tindall, M. (1995): Mt. Polley -- Proposed In-Pit Diamond Drilling; Tindall Geoservices Inc., unpublished report, 4 p.

Wild, C.J. (1997): Summary of 1997 Exploration, Diamond and Percussion Drilling, Geological Mapping at Mount Polley Mine, Mount Polley Mining Corporation, unpublished report, 22 p.

Wild, C.J. and Letwin, J.M. (1998): Report on 1998 Diamond Drilling, Mount Polley Mine, Mount Polley Mining Corporation, unpublished report, 12 p.

Wright Engineers Limited (1990): Mount Polley Project, Williams Lake B.C., Feasibility Study; Imperial Metals Corporation, unpublished report, Volumes 1-5.

Appendix 1

1998 Program Expenditures
Diamond Drilling

Diamond Drilling							
	792	*metres @*	$	55.62	*per metre*	$	44,064
Assaying							
	548	*samples @*	$	27.52	*per sample*	$	15,081
Personnel							
Geologist	26	*days @*	$	172.73	*per day*	$	4,491
Sampler	18	*days @*	$	162.56	*per day*	$	2,926
Accommodation							
	44	*days @*	$	60.84	*per day*	$	2,677
Transportation							
Truck	26	*days @*	$	62.31	*per day*	$	1,620
Miscellaneous							
Expenses						$	1,812
Supplies						$	491
			Total			**$**	**73,162**

Geological Mapping

Geotex Consultants						$	1,959
Personnel							
Geologist	9	*days @*	$	75.00	*per day*	$	1,575
Accommodation							
	9	*days @*	$	67.00	*per day*	$	603
			Total			**$**	**4,137**

Mapping expenses to Aug 31/98.

Program Total	**$**	**77,299**

Appendix 2

Proposed 1999 Exploration Budget – Stage I

Diamond Drilling	3700	*metres @*	$	55.62	*per metre*	$	205,794
Assaying	2200	*samples @*	$	28.00	*per sample*	$	62,160
Personnel							
Geologist	110	*days @*	$	225.00	*per day*	$	24,750
Sampler	48	*days @*	$	150.00	*per day*	$	7,250
Reports and Studies						$	3,000
Accommodation	110	*days @*	$	75.00	*per day*	$	8,200
Transportation							
Truck	110	*days @*	$	75.00	*per day*	$	8,250
Miscellaneous							
Supplies, etc.						$	6,277
					Total	**$**	**325,681**

Proposed 1999 Exploration Budget – Stage II

Diamond Drilling	3150	*metres @*	$	55.62	*per metre*	$	175,203
Assaying	1890	*samples @*	$	28.00	*per sample*	$	52,920
Personnel							
Geologist	42	*days @*	$	225.00	*per day*	$	9,450
Sampler	42	*days @*	$	150.00	*per day*	$	6,300
Reports and Studies							
Accommodation	42	*days @*	$	75.00	*per day*	$	3,150
Transportation							
Truck	42	*days @*	$	75.00	*per day*	$	3,150
Miscellaneous							
Supplies, etc.						$	5,003
					Total	**$**	**255,176**

Appendix 3
Statement of Qualifications

I, Christopher J. Wild, do hereby certify that:

1 I am a geological engineer currently residing at 307 Lexington Road, Williams Lake, British Columbia.

2 I am employed by Mount Polley Mining Corporation as Mine Geologist at the Mount Polley Mine.

3 I am a graduate of the University of British Columbia, Geological Engineering, Mineral Exploration Option (1984).

4 I have worked in mineral exploration and mine geology in Canada and Argentina on a full-time basis since 1985.

5 I am Registered Member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (1994), and am a member of the Canadian Institute of Mining and Metallurgy (CIM).

6 I supervised all exploration activity documented in this report.

Christopher J. Wild, P.Eng.
Mine Geologist

December 10, 1998

Appendix 4
Diamond Drillhole Logs

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY: Mount Polley
HOLE NO.: MP-98-1
COMMENCED: June 19/98
COMPLETED: June 24/98
OBJECTIVE: Test min'n at depth

LOCATION: Cariboo North
LOC.: 3742.59 N, 2169.58 E
ELEV.: 1190 m (1189.57)
CORE SIZE: NQ

CORRECT DIP:
TRUE BRG:
SURVEY AT: 289 m
% RECOVERY:
LENGTH: 289.56 m

PAGE: 1/20
LOGGED BY: Janice Lelwin
DATE: June 2/98 →
CORE STORED:
UNUSUAL FEAT.:

From (~~Feet~~ m)	To	Syb	Description	Sample No.	From (~~Feet~~ m)	To	Lgth.	Rec.	Total Cu ~~ppm~~ %	Oxide Cu ppm	Fe %	Au ppb
	~~17.98~~		~~(Plagioclase Porphyry) Intrusion Bx~~									
0	3.05		Casing ? diopside									
3.05	7.88		Intrusion Breccia - pink + dk grey	145001	3.05	4.85	1.8		0.04	0.10	3.77	65
			matrix - PP. ~~verypfgte~~ fg. secondary bt. 20% Green min 15%	145002	4.85	6.91	2.05		0.07	0.017	3.67	90
			clasts diorite subangular to angular 40-60%	145003	6.91	7.88	0.97		0.05	0.011	3.60	104
very altered			-very fractured. Magnetite common <10% in									
			nodules and fractures. 30% Quartz eyes. fg									
			Vfg cpy - mostly in diorite clasts									
			*augite porph clast? 4cm. magnetic.									
7.88	8.84		Intrusion Breccia (pink)	145004	7.88	8.84	0.96		0.06	0.027	2.20	90
			matrix - PP. fg-mg. good stick core.									
			clasts - vague diorite. higher degree of alteration									
			quartz filled fractures. ~1% magnetite (mt)									
8.84	16.02		Intrusion Breccia - pink + dk grey	145005	8.84	10.50	1.66		0.07	0.016	3.28	120
			Matrix - PP fg->mg. 10% mt <5% cpy (in	145006	10.5	12.03	1.53		0.04	0.013	3.40	59
			fractures and assoc'd w/ diorite - blebs)	145007	12.03	13.76	1.73		0.13	0.023	1.86	184
very altered			clasts - angular to subangular diorite. 1-4cm. 25%	145008	13.76	14.94	1.18		0.18	0.049	2.0	218
			@ 12.81 - clasts are very light colored and ~50%	145009	14.94	16.02	1.08		0.05	0.012	2.94	74
			quartz. Also Kfs alteration									
16.02	16.46		fault gouge zone - within IBx	14010	16.02	16.46	1.44		0.07	0.013	3.55	112

wp60\kristind\imperial\polley\drill.tbl

16.02 - 16.46 fault? gouge

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY:
HOLE NO.: MP-98-1
COMMENCED:
COMPLETED:
OBJECTIVE:

LOCATION:
LOC.:
ELEV.:
CORE SIZE:

CORRECT DIP:
TRUE BRG:
SURVEY AT:
% RECOVERY:
LENGTH:

PAGE: 2/30
LOGGED BY: gmk
DATE: 06/30/98
CORE STORED:
UNUSUAL FEAT.:

From (Foot / m)	To (Foot / m)	Syb	Description	Sample No.	From (Foot / m)	To (Foot / m)	Lgth.	Rec.	Analysis: Total Cu ppm%	Oxide Cu ppm %	Fe %	Au ppb
			* 36.37 bornite?									
16.46	40.73		deep red metallic mineral (covellite)? seen in assoc'n	145011	16.46	17.98	1.52		0.11	0.013	2.72	152
			with cpy in a volcanic clast.	145012	17.98	19.5	1.52		0.27	0.06	2.90	433
			Intrusion Breccia - pink + grey	145013	19.5	21.03	1.53		0.15	0.038	2.86	180
			matrix - PP very altered Blebs of crowded PP	145014	21.03	22.50	1.47		0.18	0.066	2.56	211
			almost unaltered (clasts).	145015	22.5	24.08	1.58		0.22	0.042	3.22	226
			27.03 ≈ 39.00 very blocky and broken core.	145016	24.08	25.50	1.42		0.16	0.036	3.53	229
			otherwise it's good ... chk	145017	25.50	27.0	1.5		0.25	0.071	2.95	372
			15% int. 10% disp'd (mostly in fractures)	145018	27.0	28.5	1.5		0.06	0.017	3.22	100
			↳ blebs and disseminated	145019	28.5	30.0	1.5		0.08	0.017	3.39	130
			≤10% cpy ≤ 5% bornite - usually ass'd w/ cpy	145020	30.0	31.5	1.5		0.07	0.010	3.25	157
			↳ disp'd in clasts ↳ in clasts	145021	DUPLICATE				0.10	0.012	3.45	174
				145022	31.5	32.86	1.36		0.28	0.073	2.78	308
				145023	32.86	34.5	1.64		0.18	0.034	3.17	251
40.73	42.09		Volcanic Tuff - light - medium grey	145024	34.5	36.08	1.58		0.09	0.016	2.60	132
			top sharp contact with Int. Bx. Bottom contact	145025	36.08	37.49	1.41		0.14	0.028	2.83	177
			gradational.	145026	37.49	38.98	1.49		0.15	0.03	2.86	193
			fine grained. faintly bedded	145027	38.98	40.73	1.75		0.14	0.029	2.73	187
			43.13 - 43.21 = ix subangular volcanic clasts.	145028	40.73	42.08	1.35		0.38	0.15	4.23	554
			Calcite matrix. < 3% cpy Minor pot alt'n									
42.08	42.52		Int Breccia	145029	42.08	42.52	0.44		0.44	0.113	2.32	525
			matrix - potassically altered volcanic tuff.									
			clasts - altered + semi altered volcanic tuff									

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY:
HOLE NO.: MP-98-1
COMMENCED:
COMPLETED:
OBJECTIVE:

LOCATION:
LOC.:
ELEV.:
CORE SIZE:

CORRECT DIP:
TRUE BRG:
SURVEY AT:
% RECOVERY:
LENGTH:

PAGE: 3/20
LOGGED BY: JuL
DATE: 06/21/98
CORE STORED:
UNUSUAL FEAT.:

From	To	Syb	Description	Sample No.	From	To	Lgth.	Rec.	Analysis: Total Cu %	Oxide Cu %	Fe %	Au ppb
42.08	42.52 cont'd		≤ 5% cpy. Calcite filled fractures (2-3mm) perpend to CA. 1% mt.									
			gradational contact into Intrusion Breccia w diorite									
	49.16		clasts.									
42.52			Intrusion Breccia (pink + grey)	145030	42.52	43.52	1.0		0.47	0.132	1.85	594
			matrix - f.g. pink. K-alteration moderate to extreme.	145031	43.52	44.66	1.14		0.15	0.026	2.51	151
			clasts - diorite. extreme K-alteration & submounded.	145032	44.66	45.19	0.53		0.25	0.083	2.19	269
			actual clast boundaries have been obliterated.	145033	45.19	46.02	0.83		0.08	0.014	3.16	86
			2% cpy. < cc filled frcts @ ~ 15° to CA (2mm thick)	145034	46.02	47.46	1.44		0.12	0.022	2.95	154
			5% mt (diss'd) nodules.	145035	47.46	49.16	1.70		0.17	0.025	2.59	185
Sub												
44.66	45.19		Qtz Monzonite pink (dyke? or big clast?) (Chloritized)									
			Hydrothermally altered. Some secondary bt (10%)									
			minor mt (≤2%). Qtz - 25%. Plag <5%. Feld 70%.									
			<2% augite. (euhedral)									
			<2% diopside. CC on fracture planes.									
			Cut by qtz (3-8mm, anhedral) filled veins (1-2cm)									
	Sub											
45.19	46.02		Brecciated Qtz Monzonite.									
			-hydrothermal chloritized bt (5-10%)									
			-									

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY: | LOCATION: | CORRECT DIP: | PAGE: 4/20
HOLE NO.: | LOC.: | TRUE BRG: | LOGGED BY:
COMMENCED: | ELEV.: | SURVEY AT: | DATE:
COMPLETED: | CORE SIZE: | % RECOVERY: | CORE STORED:
OBJECTIVE: | | LENGTH: | UNUSUAL FEAT.:

From Feet	To Feet	Syb	Description	Sample No.	From Feet	To Feet	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
49.16	82.40		Plagioclase Porphyry (pink)	145036	49.16	51.16	2.0		0.2	0.105	1.41	197
			-K alteration is pervasive.	145037	51.16	53.13	2.03		0.14	0.066	1.15	143
			-occaisional xenolith (2-10cm), chloritized. Original	145038	53.13	55.12	1.99		0.15	0.064	1.25	203
			lithology difficult to discern.	145039	55.12	57.08	1.96		0.13	0.093	1.27	145
			10-15% mt. in nodules and fractures and dissem'd	145040	57.08	58.16	1.08		0.11	0.089	1.29	191
			- extremly faulted (lots of cemented, slickensided	145041	DUPLICATE				0.13	0.107	1.62	223
			gouge)	145042	58.16	59.52	1.38		0.12	0.073	1.63	165
			- cpy hard to find. Extremly diss'd.	145043	59.52	60.42	0.80		0.09	0.062	2.35	118
			5-10%. Sometimes in 'blebs'.	145044	60.42	62.40	2.02		0.15	0.055	1.35	191
			- chlorite common on slicked fracture planes	145045	62.40	64.4	2.0		0.11	0.073	1.3	105
				145046	64.4	66.4	2.0		0.06	0.043	1.58	52
			49.16 - 51.91									
			- extremly oxidized interval. Not only on fracture	145047	66.4	68.42	2.02		0.06	0.029	1.36	52
			surfaces, but into the rock matrix, too.	145048	68.42	70.42	2.0		0.08	0.017	1.32	85
				145049	70.42	72.42	2.0		0.08	0.018	1.74	91
			51.91 - 53.13	145050	72.42	74.42	2.0		0.08	0.062	1.62	105
			- very low recovery. Fragmented core	145051	74.42	76.4	1.98		0.06	0.028	1.9	58
				145052	76.4	78.33	1.93		0.05	0.016	2.83	55
			59.52 - 60.42	145053	78.33	80.32	1.99		0.04	0.007	2.59	51
			- brecciated.	145054	80.32	82.4	1.92		0.06	0.011	3.66	68
			- clasts are monzonitic, altered.									
			- matrix - plagioclase porphyry									
			- <1% diopside									

* what's the deep red mineral on slick's? ([illegible])

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY:	LOCATION:	CORRECT DIP:	PAGE: 5/20
HOLE NO.: MP-98-1	LOC.:	TRUE BRG:	LOGGED BY:
COMMENCED:	ELEV.:	SURVEY AT:	DATE:
COMPLETED:	CORE SIZE:	% RECOVERY:	CORE STORED:
OBJECTIVE:		LENGTH:	UNUSUAL FEAT.:

From (Feet)	To (Feet)	Syb	Description	Sample No.	From (Feet)	To (Feet)	Lgth.	Rec.	Analysis: Total Cu ppm	Analysis: Oxide Cu ppm	Analysis: Fe %	Analysis: Au ppb
			60.42 - 82.40 Fault Gouge									
			This whole interval (20m!) has intense slicks.									
			The gouge has been cemented so the recovery									
			is good. Often contains magnetite-filled fractures									
			and Fe-oxide (?) on some planes.									
			Chlorite on slick'd planes.									
			5% hydrothermal biotite - mostly in nodules									
			- up to 50cm of un-faulted PP in places									
			@ 73.16 - bit of malachite on fracture sfc.									
82.40	89.49		Augite Porphyry Dyke	145055	82.4	84.46	2.06		0.01	0.006	7.45	6
			augite (1-8mm); euhedral to subhedral	145056	84.46	86.46	2.0		0.01	0.008	7.4	<5
			groundmass is pink-ish (altered? No too	145057	86.46	88.39	1.93		0.02	0.009	7.44	<5
			late. Post-min'n, post-alt'n.) and fine to	145058	88.39	89.49	1.10		0.02	0.01	7.43	6
			medium grained.									
			- calcite filled fractures (1-3mm) at every angle,									
			dominantly ~ 40-50° to CA.									
			* deep red mineral on slick'd fracture planes.									
			- upper and lower contacts are sharp. Top - 30° to									
			CA. Bottom - 25-30° to CA. Chill margin small to									
			absent.									
89.49	106.62		Biotite Breccia - pink	145059	89.49	91.44	1.95		0.07	0.011	4.18	118
			- variably K-altered. From extreme to moderate	145060	91.44	93.44	2.0		0.15	0.018	3.52	158

MP-98-1

From	To	Syb	Description	Sample No.	From	To	Lgth.	Rec.	Analysis			
~~Feet~~ m					~~Feet~~ m				Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			·1-2mm plagioclase round crystals 10-60%	145061	DUPLICATE		2.0		0.15	0.014	3.66	174
			· bt flakes <0.5mm and pockets. Is more	145062	93.44	95.4	1.96		0.04	0.005	4.02	40
			concentrated in diorite? clasts.	145063	95.4	96.62	1.22		0.13	0.011	4.75	162
			· some quartz- rounded 1mm. Looks to	145064	96.62	97.66	1.04		0.03	0.003	3.5	42
			be remnant from clasts	145065	97.66	97.85	0.21		0.03	0.005	4.6	26
			· magnetite ~20% vfg. and in blebs	145066	97.85	98.16	0.31		0.04	0.007	3.24	65
			· calcite filled fractures throughout	145067	98.16	98.77	061		0.05	0.007	6.47	56
				145068	98.77	99.97	1.2		0.29	0.039	3.48	272
			cpy - vfg - assoc'd w/ magnetite blebs	145069	99.77	101.03	1.26		0.07	0.008	4.86	69
			~10-15%	145070	101.03	101.76	0.73		0.05	0.007	6.47	58
			diopside - vfg + in blebs ~20% AND fracture	145071	101.76	103.37	1.61		0.12	0.015	2.93	135
			filling.	145072	103.37	104.92	1.55		0.02	0.004	7.02	<5
		→	97.66 - 97.85 - drill caught ½ bt bx ½ AP dyke	145073	104.92	106.62	1.70		0.09	0.011	4.07	110
98.16	98.77	→	Augite Porphyry Dyke									
			dark grey-green.									
			· augite 35-40% 3-5mm subhedral to									
			euhedral.									
			* - deep red mineral - <2%, 1-3mm anhedral.									
			pretty soft (<5½). no effervescence HEMATITE									
			· magnetic									
			· calcite filled fractures									
			· top contact - sharp, undulatory @30° to CA									
			· btm contact - sharp, " to planar @30° to CA									

MP-98-1

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			101.03 - 101.76 Quartz Monzonite Dyke									
			• med to fine grained									
			• bt. - vfg 5-10% anhedral									
			• diopside (?) - fibrous - dark green. (not chlorite)									
			5-10% fg anhedral									
			• plag - 20% sub to anhedral laths									
			• K feldspathized matrix									
			• magnetite 10% vfg. black subhedral to anhedral									
			top contact - sharp, planar 30° to CA									
			btm " - sharp, planar, sheared. 25° to CA									
			103.37 - 104.92 Augite Porph dyke									
			• same as above. Matrix looks vfg k-feld									
			red mineral present. (<5%)									
			• fractures are slicked									
			Albite									
104.92	106.62		Breccia? Pink, whit, grey									
			• clasts - plag porph. K-altered. diopside in									
			fractures. magnetite in fractures. Little to no									
			cpy, evident									
			looks sheared - slicked fracture surfaces									
106.62	107.13		Basalt dyke?	145074	106.62	107.13	0.51		<0.01	0.002	5.68	9

MP-98-1

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
106.67	107.13		Basalt Dyke? dark grey. sheared.									
			• vfg massive matrix									
			• <2% 2cm blebs of hematite									
			• stringers of diopside present + sheared.									
			top contact ~ 100° to CA ... diffuse planar									
			btm contact. ~30° to CA ... planar									
			gradational (incorps some host rock).									
			No xenoliths									
107.13	109.45		Albite Breccia	145075	107.13	107.64	0.51		0.04	0.007	4.62	79
			matrix - fg K-feldspar									
			clasts - difficult to distinguish - PP?									
			hydrothermal bt + chlorite present									
			ht in fractures cpy ~ 2-5% blebs									
			↳ w/ diopside mt ~ 10% in fractures "smeared"									
			107.64 - 107.84 augite ... dyke	145076	107.64	107.84	0.20		0.01	0.006	6.51	<5
			altered? fg groundmass of dominantly									
			K feld. Pheno's of augite subhedral.									
			epidote? in fractures (minor).									
			107.84 - 108.12 - Basalt dyke	145077	107.84	108.12	0.28		0.02	0.004	5.64	31
			Vfg groundmass. Sheared. Hematite ~ 5%.	145078	108.12	109.45	1.33		0.36	0.04	5.73	448
			euhedral plag laths ~ 1%. 2mm.									

From Feet/m	To	Syb	Description	Sample No.	From	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
109.45	114.13		Intrusive Breccia (pink)	145079	109.45	111.45	2.0		0.39	0.084	3.9	510
			-dominantly monzonite xenoliths. 1% vfg cpy	145080	111.45	113.04	1.59		0.17	0.037	3.99	205
			2% vfg bt 2% diopside vfg.	145081	DUPLICATE		1.59		0.21	0.052	4.07	205
			-matrix - mg kfeld w/ ~5-10% cpy blebs. calcite	145082	113.04	114.13	1.09		0.16	0.022	4.5	154
			blebs too. ~5% mt - along fractures.									
			- ↑ ht content closer to btm contact w/									
			aucg porphyry.									
114.13	119.39		Augite Porphyry	145083	114.13	116.16	2.03		0.02	0.01	7.4	10
			- mg sub to euhedral augite crystals in a	145084	116.16	118.09	1.93		0.02	0.01	7.49	6
			fg groundmass (<1mm plag,	145085	118.09	119.39	1.30		0.02	0.01	7.42	9
			kfeld + bt). Minor ht (on frcts). Chill margin on									
			bottom contact (planar ~30° to CA)									
119.39	121.32		intrusion Bx (pink + grey)	145086	119.39	120.30	0.91		0.2	0.028	7.39	210
			- clasts - diorite. edges still intact, but vague	145087	120.3	121.32	1.02		0.27	0.035	5.83	278
			mt in fractures ~5%. Qtz filled fractures.									
			Cpy ~2-5% mostly in blebs in fractures									
			hydrothermal biotite.									
121.32	144.58		Diorite grey (or InBx?)	145088	121.32	122.32	1.0		0.07	0.011	7.3	86
			variably altered (K-), at times an InBx,	145089	122.32	123.32	1.0		0.1	0.018	6.92	108
			but not often. Mostly see ~2mm alteration	145090	123.32	124.32	1.0		0.53	0.072	5	684

MP-98-1

From Feet	From m	To Feet	To m	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
					Zone surrounding a fracture	145091	124.32	125.32	1.0		0.94	0.12	7.14	782
					Very homogenous interval.	145092	125.32	126.32	1.0		0.08	0.12	6.69	49
					albite(?) low % but persistent ~5%	145093	126.32	127.32	1.0		0.2	0.021	6.46	2322
					cpy 5-10% in blebs along fractures. mt. sparse,	145094	127.32	128.32	1.0		0.08	0.013	7.1	81
					along fractures. ht also along fractures w/	145095	128.32	129.32	1.0		0.11	0.027	6.68	153
					chlorite(?)	145096	129.32	130.18	0.86		0.34	0.061	6.2	446
					→ cpy 5-10% disseminated fg.	145097	130.18	131.18	1.0		0.13	0.025	6.48	151
					looks pretty good - ore wise	145098	131.18	132.18	1.0		0.18	0.054	7.02	254
					• in fresh- looking diorite, pp veins x'ing it are	145099	132.18	133.18	1.0		0.02	0.008	7.0	36
					still K-altered and host both cpy + mt.	145100	133.18	134.18	1.0		0.11	0.017	7.13	180
						145101	134.18	135.18	1.0		0.07	0.014	6.89	89
14458	150.28				Augite Porphyry Dyke	145102	[illegible]	DUPLICATE			0.06	0.015	6.84	87
					20% eu - subhedral 1-3mm augite pheno's	145103	135.18	136.12	0.94		0.16	0.022	5.8	200
					in a dk grn (chloritized?) f.g. matrix.	145104	136.12	137.12	1.0		0.17	0.027	5.61	210
					upper contact - undulatory sharp @30° to CA	145105	137.12	138.12	1.0		0.11	0.017	6.18	125
					lower contact - ~~undulatory~~ planar sharp @30° to CA	145106	13812	139.12	10		0.18	0.028	6.32	169
						145107	139.12	140.12	1.0		0.2	0.037	5.35	173
					145.03 - 147.44 Volcanic Tuff? med grey-green	145108	140.12	141.12	1.0		0.23	0.049	4.71	216
					vfg groundmass.	145109	141.12	142.12	1.0		0.12	0.037	6.59	139
					laminations present at top (fining upwards) and	145110	142.12	143.38	1.26		0.14	0.051	4.87	152
					bottom (coarsens up) ? could be achill	145111	143.38	144.58	1.20		0.11	0.026	5.55	129
					margins on a basalt dyke? No, bc there is									
					a zone of bx - subrounded clasts are volcanic	145112	144.58	145.03	0.61		0.03	0.004	6.15	12

tuff.

MP-98-1

From	To	Syb	Description	Sample No.	From	To	Lgth.	Rec.	Analysis			
~~Feet~~ m					~~Feet~~ m				Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
continued			Sharp top + bottom contact. Planar @	145113	145.03	146.19	1.16		<0.01	0.003	4.82	<5
			~85-90° to CA	145114	146.19	147.44	1.25		<0.01	0.002	5.07	6
				145115	147.44	148.69	1.25		<0.01	<0.001	5.95	<5
			149.25 - 150.28	145116	148.69	149.98	1.29		0.01	<0.001	5.96	<5
			back into augite porph. augite phenos look	145117	149.98	150.28	0.30		0.02	0.005	5.11	26
			chloritized + chlorite on fractures									
	161.69			145118	150.28	151.28	1.0		0.1	0.02	4.12	149
150.28			Intrusive Breccia	145119	151.28	152.28	1.0		0.2	0.047	3.39	215
			dominantly diorite clasts. Hydrothermal bt	145120	152.28	153.31	1.03		0.25	0.058	6.63	245
			- biotite in diorite is chloritized	145121		DUPLICATE			0.16	0.057	6.27	185
			- cpy ~5% diss'd in calcite fractures.	145122	153.31	154.30	0.99		0.19	0.034	6.03	214
			Matrix - mg. plag, K-feld, bt, chlorite	145123	154.3	155.33	1.03		0.15	0.045	3.82	179
			(? grn fibrous) actinolite	145124	155.33	156.36	1.03		0.15	0.039	4.42	182
				145125	156.36	157.36	1.0		0.17	0.031	5.9	208
				145126	157.36	158.4	1.04		0.12	0.035	6.16	141
161.69	164.19		Augite Porphyry Dyke dk green	145127	158.4	159.52	1.12		0.21	0.041	5.42	192
			Phenocrysts - augite - 15-20% sub to euhedral	145128	159.52	160.6	1.08		0.12	0.031	6.32	116
			- magnetite - 5-10% anhedral	145129	160.6	161.69	1.09		0.12	0.023	5.72	122
			- hematite - 5-10% anhedral - some mt									
			crystals are ringed w/ ht	145130	161.69	162.94	1.25		0.01	0.005	7.04	<5
			- quartz 5% anhedral - bluish 2-3mm	145131	162.94	164.19	1.25		0.02	0.006	6.7	7
			↑ in quartz towards bottom.									
			matrix - vfg K feld									

upper contact - planar sharp 30° to CA
lower contact " " 30° to CA

mp-98-1

From (m)	To (m)	Syb	Description	Sample No.	From (m)	To (m)	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
164.19	195.52		Intrusion Breccia - pink and grey clasts- dominantly diorite - with a few ~2% volcanic (?) matrix - med gr. K feldspar, diopside multiple calcite/ht ± cpy fractures cpy - <1-2% - mostly vfg to blebs, in fractures mt - vfg, but rock is definitely magnetic diopside quite pervasive. fg.	145132	164.19	165.69	1.5		0.11	0.024	5.78	123
				145133	165.69	167.19	1.5		0.17	0.041	5.06	197
				145134	167.19	168.69	1.5		0.18	0.03	6.3	267
				145135	168.69	170.23	1.54		0.12	0.023	4.75	207
				145136	170.23	171.73	1.5		0.17	0.028	6.03	226
				145137	171.73	173.23	1.5		0.3	0.035	4.16	387
				145138	173.23	174.19	1.46		0.27	0.036	9.46	217
				145139	174.19	175.14	0.95		0.19	0.022	4.48	168
			175.14 - 177.27 - chloritized In Bx matrix turns extremely dark (green-grey) magnetite content ↑, but still vfg. /diopside present. cpy in fractures - where K-alteration leaves ~1cm envelope. cpy 1-2%	145140	175.14	176.10	0.96		0.12	0.017	10.5	134
				145141	DUPLICATE				0.11	0.014	10.68	126
				145142	176.10	177.27	1.17		0.1	0.017	14.11	168
				145143	177.27	178.8	1.53		0.1	0.015	5.62	127
				145144	178.8	180.16	1.36		0.04	0.007	4.69	57
				145145	180.16	181.78	1.62		0.12	0.016	5.62	156
				145146	181.78	183.3	1.52		0.16	0.027	5.19	188
			178.8 - 180.16 Volcanic Tuff med grained phenos in fine to med grained groundmass <1% cpy assoc'd w/ calc + K-feld ± ht fractures moderate K-alteration	145147	183.3	184.8	1.5		0.08	0.13	3.96	117
				145148	184.8	186.3	1.5		0.1	0.017	4.71	129
				145149	186.3	188.02	1.72		0.1	0.015	9.14	160
				145150	188.02	189.75	1.73		0.13	0.014	7.95	166
				145151	189.75	191.25	1.50		0.27	0.029	4.84	398
			186.30 - 189.75 - Chloritized Zone - grey green still brecciated. Clasts of fg mafic? rock Perhaps the volcanic tuff.	145152	191.25	192.75	1.5		0.16	0.019	6.03	204
				145153	192.75	195.52	1.77		0.12	0.015	8.68	128

MP-98-1

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			3ones of up to 5% cpy! in fractures + altered clasts (should run a good grade). Mt closely assoc'd w/ cpy. Rare epidote? (pea-green) also close to cpy, spatially. • Actinolite radiating out from chlorite? filled fractures									
			189.75 - 193.79 More InBx									
		(last	15-20% hydrothermal bt vfg anhedral									
			2% vfg cpy									
			30-50% fg K-feldspar									
			10% qtz anhedral									
			- chloritization variable, also K-alteration									
			- bt on fractures + calcite + diopside									
			193.79 - 194.06 Augite Monzonite Dyke									
			- chloritized									
			- <1% cpy									
195.52	198.94		Plagioclase Porphyry ± bx Pink	145154	195.52	197.05	1.53		0.13	0.016	5.69	112
			* Gypsum fracture infills!	145155	197.05	197.99	0.94		0.22	0.025	3.01	201
			- extensive K-alteration.	145156	197.99	198.94	0.95		0.29	0.039	3.43	159
			- quite fractured + broken in places									

MP-98-1

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			fractures - ± ht ± calcite ± gypsum ± cpy ± diopside ± mt ± bt									
			• brecciated in places (is this just a huge block? zenolith?)									
198.94	218.04		Intrusive Breccia pink + grey mottled matrix - fine to coarse grained K-feldspar. Criss-crossed w/ fractures	145157	198.94	200.44	1.5		0.14	0.027	7.26	1133
				145158	200.44	201.78	1.34		0.18	0.027	6.48	146
				145159	201.78	203.28	1.5		0.09	0.022	5.98	78
			fractures - calcite ± mt ± cpy ± ht ± diopside ± bt	145160	203.28	204.78	1.5		0.14	0.048	5.58	196
				145161	DUPLICATE		1.5		0.13	0.029	5.85	125
			zenolitho - dominantly diorite (*few PP)	145162	204.78	206.28	1.5		0.19	0.046	7.75	257
			Variably K altered, chloritized. Where chlorite alteration dominates, K-alteration looks secondary (not timewise, but %-wise)	145163	206.28	207.78	1.5		0.07	0.019	9.89	66
				145164	207.78	209.28	1.5		0.11	0.036	6.2	105
				145165	209.28	210.78	1.5		0.2	0.062	6.11	152
			- the magnetite content (esp in fractures) has increased	145166	210.78	212.28	1.5		0.11	0.027	6.44	81
				145167	212.28	213.78	1.5		0.24	0.033	7.99	202
			- some zones look 'blotchy' - like qtz monzodiorite being K'ically altered	145168	213.78	215.22	1.44		0.07	0.014	8.54	72
				145169	215.22	216.89	1.67		0.08	0.022	9.25	86
				145170	216.89	218.04	1.15		0.14	0.035	7.92	189
			206.04 - 206.88									
			- chloritized zone (diopside, too)									
			↑ in hydrothermal bt. Still evidence of K-alteration bt on fractures, w/ calcite									

MP-98-1

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
218.04	249.3		Intrusive Breccia (Pink + grey) clasts - PP- and a mafic (dk grey) fg chloritized rock. matrix - K-altered, diopside fg-mg. magnetite <1-3mm ~ 5-10%. - higher degree of K-alteration than the previous interval. Also in the ↑ content of milky white zones - plag? 20-25%. 221.82 - 222.18 - one large clast? of chloritized mafic rock - vfg-fg. Very magnetic. - 1-2mm fractures w/ K-feldspar, diopside - barren of visible cpy.	145171	218.04	219.54	1.5		0.32	0.083	8.02	474
				145172	219.54	220.98	1.44		0.1	0.026	4.43	103
				145173	220.98	222.5	1.52		0.19	0.052	7.81	313
				145174	222.5	224.0	1.5		0.13	0.021	5.08	103
				145175	224.0	225.5	1.5		0.21	0.034	5.54	150
				145176	225.5	227.0	1.5		0.13	0.24	4.95	145
				145177	227.0	228.5	1.5		0.09	0.016	6.22	99
				145178	228.5	230.0	1.5		0.1	0.019	5.72	142
				145179	230.0	231.5	1.5		0.09	0.03	3.79	107
				145180	231.5	233.0	1.5		0.11	0.026	5.11	95
				145181		DUPLICATE	1.5		0.11	0.025	5.7	95
				145182	233.0	234.5	1.5		0.08	0.014	7.62	94
				145183	234.5	236.0	1.5		0.12	0.025	7.46	250
				145184	236.0	237.5	1.5		0.14	0.021	5.61	119
				145185	237.5	239.0	1.5		0.16	0.028	5.14	204

MP-98-1

From East m	To East m	Syb	Description	Sample No.	From East m	To East m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			227.73 - 228.0 InBx ← andesite flow?	145186	239.0	240.49	1.49		0.14	0.023	4.18	158
			- clasts are vfg mafic (dark grey-green).	145187	240.49	242.0	1.51		0.12	0.024	4.1	125
			matrix - fg K-feldspar, plag?	145188	242.0	243.5	1.5		0.21	0.032	3.89	264
			↳ with soft, light green 2mm phenocrysts (25-30%)	145189	243.5	245.0	1.5		0.22	0.031	5.59	265
			floating in the matrix) — ⬡ 8 sided octagonal	145190	245.0	246.5	1.5		0.11	0.03	4.5	129
			crystal shape.	145191	246.5	248.0	1.5		0.14	0.042	4.38	149
				145192	248.0	249.3	1.3		0.23	0.066	2.42	266
			@ 231.19 - bornite on fracture plane w/ cpy mt and green min (dusty, soft - actnolite?)									
			232.41 - 235.67 InBx									
			- chloritized andesite clasts - dark green to black subrounded to rounded. Magnetic									
			- matrix - mostly fg actinolite / diopside, bt, K-feld, ht, cpy (1-2%)									
			- top 60cm has alt more (30-50%) pink K-Spar matrix with more plag ?.									
			238.06 - 239.53									
			- high degree of potassic alteration									
			- groundmass is pink fgr - mgr K-spar, fg bt (anhedral), plag, diopside									
			- 5-10% mafic (andesite?) clasts - magnetic.									

mp-98-1

From Feet	To Feet	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			• fractures/veins of calcite w/ cpy ≤ 1%.									
			• top 20cm is brecciated by calcite veins. little to no rotation of clasts									
			• this same homogeneous interval can be seen at 247.70 - 249.3m									
			241.86 - 241.99 ??									
			- flow banded black to grey green									
			- bands of lt + black material (? andesite?)									
			- almost porphyritic									
			- andesitic clast?									
			- looks unaltered									
			243.65 - 243.90 ·									
			· 5 - 10 mm thick vein - Slicks present. Actinolite, magnetite. @ 0-5° to CA									
2493	2547		Chloritized Andesite flow	145193	249.3	250.8	1.5		0.05	0.017	9.47	76
			· minor to moderate K-alteration	145194	250.8	252.3	1.5		0.09	0.03	9.21	120
			· matrix - hz, plag, Kspar, lots of chlorite and ?actinolite (dark green)	145195	252.3	253.8	1.5		0.03	0.01	8.69	42
				145196	253.8	255.3	1.5		0.09	0.028	6.74	101
			· fractures with lt, calcite, + K-spar alteration halos 1-3mm 10%									

MOUNT POLLEY PROPERTY

MP-98-1

From (~~Feet~~ m)	To	Syb	Description	Sample No.	From (~~Feet~~ m)	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
254.71	280.0		Intrusive Breccia (pink + grey mottled)	145197	255.3	256.8	1.5		0.1	0.029	6.48	116
			- moderate K-alteration over whole interval	145198	256.8	258.3	1.5		0.1	0.028	5.63	131
			- switch between more mafic (andesitic?) and	145199	258.3	259.8	1.5		0.23	0.047	3.32	276
			monzonite clasts. Monzonite more common	145200	259.8	261.38	1.58		0.57	0.077	4.24	1846
			towards the bottom.	151501	DUPLICATE		1.58		0.47	0.062	4.7	1195
			- medium grained bt (5-7mm) present	151502	261.38	262.8	1.28		0.24	0.039	4.43	322
			(up to 7%) towards bottom (especially in	151503	262.8	264.3	1.5		0.11	0.02	5.04	123
			monzonite intervals)	151504	264.3	266.8	1.5		0.09	0.018	4.66	97
			- fractures host mt, ht, calcite actinolite?	151505	266.8	268.3	1.5		0.16	0.051	5.25	213
			and cpy (up to 3%)	151506	268.3	269.8	1.5		0.16	0.053	5.51	191
				151507	269.8	271.3	1.5		0.24	0.069	6.09	319
			266.84 - 268.27 · Extreme K-alteration	151508	271.3	273.79	1.49		0.23	0.05	5.62	394
			· massive mgr. clasts almost totally	151509	273.79	275.3	1.51		0.34	0.082	4.55	513
			obliterated.	151510	275.3	276.8	1.5		0.21	0.036	5.64	262
			· clasts - andesitic? - 2-5cm.	151511	276.8	278.4	1.6		0.22	0.038	5.74	279
			· cpy disseminated (vfg) and concentrated	151512	278.4	280.0	1.6		0.19	0.034	5.6	219
			in fractures (~2% over whole interval)									
			· plag <1-2mm 20% - 15%.									
			kspar 2-3mm 80-85%.									
			· calcite filled fractures, but low density									
			269.07 - 269.97 - Monzonite Clasts in In Bx									
			· here is where the bt size increases (but									
			still fg. overall) ~10%.									

MP-98-01

From (m)	To	Syb	Description	Sample No.	From (m)	To	Lgth.	Rec.	Analysis Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			• plag - 2mm 20%									
			kspar vfg matrix 30-40%									
			• could it be a monzonite dyke that was									
			subsequently K-altered?									
			- mafic clasts present w/in the interval									
			@ 271.11m → lots (10%) cpy. in matrix									
			and on a fracture plane									
			273.14 - 277.34									
			• biotite increases to 20% 1-3mm									
			• mt seems to decrease in content, but it's still									
			present and vfg									
			• K-spar mostly fg. but increases in grain									
			size (to ≤ 3mm) around veins									
			• cpy shows up in high amounts in									
			fractures (@ 274.56m)									
			277.34 - 280.0 Intrusive Breccia									
			- same as always									
				151513	280.0	282.0	2.0	Ø	0.04	0.009	6.96	119
280.0	289.56		Diorite	151514	282.0	284.0	2.0		0.02	0.004	6.8	14
			contact with InBx 0-40° to CA. sharp,									
			undulatory									

MP-98-1

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
				151515	284.0	286.02	2.02		0.03	0.009	7.12	21
			• no chill margin on either side. Doesn't look faulted	151516	286.02	288.0	1.98		0.02	0.008	7.41	42
			• equigranular - Kspar 30% plag 30% bt 15-20% diopside 5-10%	151517	288.0	289.56	1.56		0.03	0.009	7.18	24
			• fractures host mt (2mm - 3cm); cpy (≤1%, anhedral, <1-2mm); diopside; calcite. Really neat veins - minor K alteration envelope.									
			EOH									

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY: Mount Polley
HOLE NO.: mp-98-02
COMMENCED: June 24/98
COMPLETED: June 28/98
OBJECTIVE: Deep Mineralization

LOCATION: Cariboo SE
LOC.: 3120.54 N, 2410.31 E
ELEV.: 1149.56 m
CORE SIZE: NQ

CORRECT DIP:
TRUE BRG: —
SURVEY AT: 249 m
% RECOVERY:
LENGTH: 249.94m

PAGE: 1/14
LOGGED BY: Janice Letwin
DATE: June 27 - June 30/98
CORE STORED: Mt Polley
UNUSUAL FEAT.:

From Feet	From m	To Feet	To m	Syb	Description	Sample No.	From Feet	From m	To Feet	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Analysis: Oxide Cu ppm	Analysis: Fe %	Analysis: Au ppb
0		6.1			Overburden											
6.1		35.76			Leached Zone (original - InBx)	151518	6.1		7.6		1.5		0.05	0.041	5.18	65
					·grungy + rubbled in places	151519	7.6		9.1		1.5		0.04	0.026	4.72	48
					·chalky white	151520	9.1		10.6		1.5		0.13	0.071	7.49	203
					· high in sx (esp cpy, py), mt,	151521	Duplicate				1.5		0.17	0.086	7.38	221
						151522	10.6		12.1		1.5		0.36	0.131	9.45	401
					6.1 - 9.52m PP protolith still evident - (White)	151523	12.1		13.6		1.5		0.82	0.100	9.59	778
					·clasts of PP present	151524	13.6		15.1		1.5		0.86	0.112	10.21	1519
					·oxidation follows existing fractures - halos	151525	15.1		16.6		1.5		0.81	0.142	10.38	1409
					· weak alteration	151526	16.6		18.1		1.5		0.15	0.029	9.97	151
					· black oxide (manganese?) on fractures · dendritic-	151527	18.1		19.6		1.5		0.19	0.020	9.29	165
					oxidized	151528	19.6		21.1		1.5		0.03	0.004	7.25	46
						151529	21.1		22.6		1.5		0.25	0.019	6.02	282
					9.52 - 35.76m Extremely Leached (Supergene?)	151530	22.6		24.08		1.48		0.32	0.020	6.78	309
					·not oxidation (like the above interval), this zone	151531	24.08		25.6		1.52		0.27	0.014	6.63	199
					is leached.	151532	25.6		27.1		1.5		0.43	0.042	9.02	377
					·clasts ~15%	151533	27.1		28.6		1.5		0.56	0.076	15.16	292
					·mineralization - disseminated + in Vebs. cpy>py,	151534	29.6		30.1		1.5		0.36	0.036	13.79	380
					Chrysocolla	151535	30.1		31.6		1.5		0.26	0.045	12.64	210
					·epidote veins xcutting calcite veins, <2%.	151536	31.6		33.1		1.5		0.60	0.119	10.40	595
					· around 22.5-26.8m, the core gets a very white	151537	33.1		34.6		1.5		0.41	0.045	8.00	300
					(matrix) w/ mild effervescance w/ brown cavities	151538	34.6		35.76		1.16		0.12	0.010	5.55	94

Where clasts of ? used to be

From East m	To East m	Syb	Description	Sample No.	From East m	To East m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			· contact at base is gradational and picked									
			at the lowest point of white leaching.									
35.76	88.12		Intrusion Breccia	151539	35.76	37.5	1.84		0.10	0.009	2.72	64
			· General	151540	37.5	39.1	1.5		0.17	0.013	3.32	108
			· PP w/ variable amounts of K-alteration and	151541	39.1	40.6	1.5		0.19	0.020	3.53	137
			propylitic alteration	151542	39.1	40.6	1.5		0.10	0.044	3.61	71
			· common - calcite veins w/ potassic alt'n halos	151543	40.6	42.11	1.51		0.16	0.073	3.18	90
			· calcite veinlets also x-cut K-spar veinlets. Calcite	151544	42.11	43.6	1.49		0.17	0.107	4.06	126
			veins then cut by wispy calcite ± chlorite ± ht veins	151545	43.6	45.1	1.5		0.141	0.056	4.17	86
			· some oxidation along latest veins (@ 50.12m)	151546	45.1	46.6	1.5		0.11	0.016	4.73	100
			· epidote common but <5%	151547	46.6	48.1	1.5		0.14	0.047	3.28	84
			· actinolite x-cut by calcite veins	151548	48.1	49.6	1.5		0.14	0.039	3.93	150
			· clasts rare (<10%) and usually mafic (andesite)	151549	49.6	51.1	1.5		0.14	0.030	5.38	195
			· weak albitization	151550	51.1	52.6	1.5		0.11	0.015	5.51	148
			· hydrothermal bt throughout interval	151551	52.6	54.1	1.5		0.10	0.018	5.07	139
				151552	54.1	55.6	1.5		0.06	0.014	4.14	63
			71.55 - 73.57m Pink Plagioclase Porphyry	151553	55.6	57.1	1.5		0.10	0.016	4.02	94
			· 35-50% white plag pheno's	151554	57.1	58.6	1.5		0.04	0.015	3.74	38
			· vfg pink Kspar matrix	151555	58.6	60.1	1.5		0.10	0.083	4.03	143
			· ~15% bt - vfg to 3mm, euhedral (hydrothermal)	151556	60.1	61.6	1.5		0.06	0.030	4.48	73
			· blebs of plag w/ mt, epidote 1-2 cm.	151557	61.6	63.1	1.5		0.07	0.044	4.25	81
			· mineralization - pretty dead.	151558	63.1	64.6	1.5		0.09	0.075	4.67	72

mp-98-03

From Feet	From m	To Feet	To m	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
					73.57 - 76.87m Volcanic (andesite) (dk grey)	151559	64.6	66.1	1.5		0.08	0.039	4.25	87
					· high density of fractures	151560	66.1	67.51	1.41		0.02	0.011	4.56	22
					· hydro-bt <2%, 2-3mm	151561	67.51	69.09	1.58		0.03	0.022	4.94	35
					· fg disseminated cpy = mineralization	151562	69.09	70.6	1.51		0.09	0.042	4.32	91
					· epidote = last phase	151563	70.6	72.1	1.5		0.11	0.021	3.36	108
					· mt, 3-6mm in blebs	151564	72.1	73.59	1.49		0.03	0.005	3.32	33
					· veins have 1-8mm K'ic alteration halos	151565	73.59	75.1	1.51		0.18	0021	3.22	137
					· oxidization xcuts K-spar veins	151566	75.1	76.6	1.5		0.22	0.068	3.37	185
						151567	76.6	78.1	1.5		0.13	0.058	2.71	96
					76.87 - 83.80m Intr Plagioclase Porphyry (Pink)	151568	78.1	79.6	1.5		0.17	0.026	2.45	175
					· vfg pink k-spar matrix w/ 1-3mm plag phenocrysts	151569	79.6	81.1	1.5		0.06	0.007	2.14	57
						151570	81.1	82.6	1.5		0.26	0.218	2.65	<9
					· <1% mafic clasts (subrounded)	151571	82.6	84.1	1.5		0.26	0.091	2.58	193
					· hydrothermal bt	151572	84.1	85.1	1.0		0.24	0.107	3.82	123
					· mt.-bearing veins (sometimes oxidized) ie 79.26m	151573	85.1	86.04	0.96		0.22	0.018	3.61	112
					· few to no calcite veins	151574	86.04	87.47	1.43		0.20	0.092	3.20	159
					· mineralization - Chrysocolla	151575	87.47	88.89	1.42		0.14	0.089	3.10	106
					* chrysocolla is all throughout this interval.									
88.72		101.50			Volcanic (Andesite) Dark Grey	151576	88.89	90.4	1.51		0.31	0.025	3.59	297
					· spidery anastamosing bifurcating system of	151577	90.4	91.9	1.5		0.12	0.010	2.95	127
					kspar ± plag veins => to the point of brecciation	151578	91.9	93.4	1.5		0.19	0.017	3.54	123

MOUNT POLLEY PROPERTY

MP-98-02

From (m)	To (m)	Syb	Description	Sample No.	From (m)	To (m)	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			• hydro bt <10%; <1-2mm; sub to euhedral	151579	93.4	94.9	1.5		0.18	0.021	3.50	176
			• cpy associated w/ mt (≤10%) => blebs and	151580	94.9	96.4	1.5		0.16	0.017	3.61	162
			fg in matrix. Not alot of cpy in with Kspar±	151581		Duplicate	1.5		0.23	0.026	3.69	214
			calcite ± plag vein system.	151582	96.4	97.9	1.5		0.18	0.015	3.11	168
				151583	97.9	99.4	1.5		0.18	0.076	3.63	164
				151584	99.4	100.9	1.5		0.26	0.224	5.70	243
				151585	100.9	102.4	1.5		0.56	0.351	7.31	534
101.5	112.92		Intrusion Breccia (Pink)	151586	102.4	103.93	1.53		0.14	0.019	6.97	112
			• moderate K-alteration	151587	103.93	105.4	1.47		0.33	0.052	5.85	326
			• rare propylitic (green) zones	151588	105.4	106.9	1.5		0.20	0.017	5.98	204
			• pp as matrix	151589	106.9	108.4	1.5		0.23	0.024	6.07	194
			• oxidation along fractures	151590	108.4	109.98	1.58		0.22	0.016	6.50	168
			• epidote assoc'd w/ latest plag veins	151591	109.98	111.52	1.54		0.13	0.009	7.90	117
			• hydro bt 10%; 1-3mm; sub to euhedral	151592	111.52	112.92	1.40		0.16	0.013	5.75	128
			• mineralization - vfg in matrix - cpy									
			blebs associated with epidote veins (cpy + py)									
			@ 112.28m Contact between InBx and Andesite									

c:\wp00\data\mapinfo\polley\dh98.tbl

MP-98-02

From Feet	To Feet	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
112.92	118.41		Augite Porphyry	151593	112.92	114.5			0.01	0.004	6.98	7
			· med grained augite and hematite	151594	114.5	116.02			0.01	0.005	7.28	<5
			· matrix vfg black	151595	116.02	117.5			0.02	0.002	7.53	<5
			· contains clasts of PP at top	151596	117.5	119.0			0.06	0.008	6.78	34
			· top contact 85-90° to CA; wavy; sharp; mineralized.									
			· mineralized hematite veins cross cut top contact									
			@ 114.64m => vein system									
			· gypsum in open-space filling textures, xcutting epidote and itself xcut by calcite.									
			· bottom contact - gradational chill margin									
118.41	128.77		Volcanic (Andesite) dark grey.	151597	119.0	120.5	1.5		0.14	0.025	6.60	147
			· diopside xcutting potassic veins/zones	151598	120.5	122.0	1.5		0.16	0.046	5.65	126
			· K-alteration restricted to vein halos:	151599	122.0	123.56	1.56		0.22	0.025	6.36	146
			· hydrothermal bt	151600	123.56	125.1	1.54		0.14	0.023	6.38	89
			· vein timing(?) ① Kspar ② diopside +mt in cpy	151601	Duplicate		1.54		0.17	0.024	6.59	99
			③ calcite	151602	125.1	126.6	1.5		0.18	0.031	6.03	186
			· mineralization - in veins (blebs) and fg disseminated - cpy + py	151603	126.6	128.1	1.5		0.07	0.011	7.36	31

MOUNT POLLEY PROPERTY

MP-98-02

From (m)	To	Syb	Description	Sample No.	From (m)	To	Lgth.	Rec.	Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			120.28 - 120.78m									
			· oxidized zone. broken. powdery.									
			· Fe-oxide on fractures.									
			@ 121.48m.									
			· large vein system like that at 114.64m.									
			· zoning - Kspar (outside) → plag (middle) →									
			gypsum (inside).									
128.77	132.48		Plagioclase Porphyry	151604	128.1	129.6	1.5		0.05	0.007	5.16	37
			· secondary bt - vfg to 2mm; 15%	151605	129.6	131.1	1.5		0.06	0.008	3.10	41
			plag phenos <1-3mm; anhedral to euhedral	151606	131.1	132.48	1.38		0.08	0.014	5.09	52
			laths; 40-60%.									
			· matrix kspa ± diopside									
			· mineralization - cpy + mt in late calcite veins									
			- blebs. Occaisionally there is cpy (vfg) in matrix									
			· light green-yellow mineral on late veins									
			(too yellow for epidote)									

MP-98-02

From Feet	To Feet	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
132.48	159.40		Volcanic (Andesite) dark grey	151607	132.48	134.0	1.52		0.10	0.027	5.91	140
			General	151608	134.0	135.5	1.5		0.02	0.006	5.83	19
			• variably altered. None to Kspar veins - a	151609	135.5	137.0	1.5		0.03	0.006	6.02	28
			little propylitic too.	151610	137.0	138.5	1.5		0.02	0.004	6.08	18
			• mineralization - vfg blebs, dense	151611	138.5	140.0	1.5		0.11	0.017	5.82	70
			fills (1mm) of wispy fractures. Cpy.	151612	140.0	141.5	1.5		0.09	0.010	6.13	76
			• diopside - vfg and fracture filling	151613	141.5	143.0	1.5		0.05	0.008	6.03	28
				151614	143.0	144.5	1.5		0.09	0.013	6.11	79
			145.19 - 145.72m Oxidation of Fe	151615	144.5	146.0	1.5		0.06	0.021	6.12	52
			• zone w/ deep rust red	151616	146.0	147.5	1.5		0.03	0.010	6.11	21
			• some ht on fractures	151617	147.5	149.0	1.5		0.02	0.006	5.92	18
			• red overprints all else	151618	150.5	152.0	1.5		0.12	0.014	4.68	78
				151619	152.0	153.5	1.5		0.17	0.022	5.50	135
			151.98 - 153.21m	151620	153.5	155.0	1.5		0.14	0.019	5.83	102
			• spidery epidote/diopside veinlet zone	151621	Duplicate		1.5		0.12	0.019	5.77	92
			• weak potassic alteration	151622	155.0	156.74	1.74		0.16	0.024	4.87	212
			• hydro - ht present	151623	156.74	158.08	1.34		0.11	0.017	6.25	182
			• epidote overprints K-alteration → veinlets	151624	158.08	159.40	1.32		0.14	0.023	5.54	198
			are zoned Kspar → plag → epidote + cpy	*151634	149.0	150.5	1.5		0.06	0.010	4.61	47
			*see 153.42m (edge)									
			• mineralization - cpy + py fg in matrix and									
			along fractures.									
			@ 153.03m - 1cm wide epidote vein with									

calcite - kspar zoning

MP-98-02.

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis			
									Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
~~153.2~~ 159.40	171.70		Intrusion Breccia	151625	159.4	160.9	1.5		0.11	0.019	4.47	140
				151626	160.9	162.4	1.5		0.18	0.039	4.35	201
			154.28 - 156.74m	151627	162.4	163.9	1.5		0.14	0.017	4.23	158
			· PP matrix	151629	163.9	165.4	1.5		0.09	0.012	4.25	148
			· volcanic? clasts	151629	165.4	166.9	1.5		0.07	0.008	4.45	75
			· hydro bt common (15-20%)	151630	166.9	168.4	1.5		0.21	0.034	4.06	204
			· calcite veins xcut all	151631	168.4	169.9	1.5		0.26	0.037	4.10	242
			· mineralization → cpy - mostly fg in matrix	151632	169.9	171.70	1.80		0.17	0.025	4.47	156
			· Actinolite? - soft dark green veins - almost a "toothpaste" bleb texture.									
			· moderate Potassic alteration w/ moderate albitization									
			* PP is intruding volcanic - Evidence stoping at 132.48m + upper contact at 156.74m									
			156.74 - 159.4m Volcanic									
			· dk grey to black									
			· numerous veins - zoned w/ Kspar + mt → calcite → epidote w/ actinolite?									
			· min'n - cpy in veinlets assoc'd w/ Kspar + later calcite veins and fg. disseminated.									

MP-98-02

From Feet	From m	To Feet	To m	Syb	Description	Sample No.	From Feet	From m	To Feet	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Analysis: Oxide Cu ppm	Analysis: Fe %	Analysis: Au ppb
					159.4 - 171.70 InBx											
					• pink + grey mottled											
					• moderate K- alteration; the alteration more intense around veins											
					• min'n → cpy - fg disseminated - it's everywhere!											
					cpy - 1-2mm blebs											
					cpy - along fractures w/ mt + calcite											
					• diopside in 2 veins that xcut eachother											
					• hydro bt 15-20%											
					• top contact - can see PP "fingered" into volcanics - almost vein-like											
					• bottom contact - 30° to CA. a little more planar											
171.70	249.94				Volcanic - Andesite dark grey	151633	171.7		173.2		1.5		0.04	0.010	5.66	30
					General	151634	* out of order				149.0 - 150.5		0.06	0.010	4.61	47
					• very fine grained	151635	173.2		174.7		1.5		0.05	0.008	6.45	43
					• contains hydro - bt	151636	174.7		176.2		1.5		0.09	0.014	6.38	44
					• most alteration is potassic - and it is	151637	176.2		177.7		1.5		0.10	0.015	5.13	104
					relatively confined to vein + vein envelopes	151638	177.7		179.2		1.5		0.17	0.023	5.05	74
					(5mm - 50mm)	151639	179.2		180.7		1.5		0.16	0.023	5.34	134
					• epidote is common (average ~15%) along	151640	180.7		182.2		1.5		0.21	0.025	4.98	202

MP-98-02

From (Feet / m)	To (Feet / m)	Syb	Description	Sample No.	From (m)	To (m)	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			veins. In proportion to K-spar	151641	~~Duplicate~~ 180.7	182.2	1.5		0.31	0.030	5.12	345
			• both Kspar + epidote are cross-cut by	151642	182.2	183.7	1.5		0.20	0.024	6.67	176
			thin planar calcite veins. often offset is	151643	183.7	185.2	1.5		0.05	0.008	6.03	43
			the only evidence of these late veins (offset	151644	185.2	186.7	1.5		0.12	0.019	5.78	78
			of Kspar and epidote veins)	151645	186.7	188.2	1.5		0.22	0.036	6.25	215
			• some zones (esp in 187.23-206.77m → detail listed)	151646	188.2	189.7	1.5		0.16	0.036	5.99	129
			are very cpy-rich and have 40-90% vein	151647	189.7	191.27	1.57		0.45	0.015	5.54	391
			stockwork. Really neat textures.	151648	191.27	192.8	1.53		0.37	0.066	7.54	423
				151649	192.8	194.3	1.5		0.29	0.039	5.88	395
			@ 180.65m	151650	194.3	195.8	1.5		0.22	0.025	5.30	165
			• vein that widens from 2mm to 2cm									
			• 5~~0~~% int 3mm									
			• 10% bt <1mm									
			• 60% diopside									
			• <5% epidote									
			• py > cpy (8% . 5% respectively)									
			• little bit of Kspar halo									
			187.23 - 206.77m Zebra Texture	151651	195.8	197.3	1.5		0.53	0.091	5.26	833
			• host = volcanic	151652	197.3	198.8	1.5		0.29	0.038	5.62	292
			• it is bxd with Kspar + actinolite. Where	151653	198.8	200.3	1.5		0.21	0.030	6.91	194
			present, volcanic clasts are fresh and only	151654	200.3	201.8	1.5		0.18	0.021	4.82	159
			cut by late calcite veins	151655	201.8	203.3	1.5		0.52	0.048	7.40	451

MP-98-02

From ~~Foot~~ m	To	Syb	Description	Sample No.	From ~~Foot~~ m	To	Lgth.	Rec.	Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			· the top and bottom of this interval was	151656	203.3	204.8	1.5		0.33	0.034	6.65	153
			picked at the highest + lowest occurrence	151657	204.8	206.3	1.5		0.35	0.047	7.41	22
			of one of these veins. the in-between varies	151658	206.3	207.8	1.5		0.09	0.020	6.84	64
			in density of the "zebra" veins (from 20-90%)									
			· veins contain variable amounts of diopside (10-80%)									
			kspar (10-60%) mt (? vfg), bt (5-10%), epidote									
			(<5%) calcite (60-90%)									
			@ 190.79 there is a soft red, metallic mineral -									
			bornite? vfg w/ cpy.									
			· cpy blebs right to the end of the interval									
			196.38 - 199.16m XK									
			extreme potassic alteration									
			· almost no recognition of original rock									
			in the top 45cm. Below this, mafic / and'ic									
			clasts are visible but altered to a pink-grey									
			· ↑ in hydro bt									
			· 5-10% epidote									
			@ 206.18m - a 6cm wide vein of kspar and									
			epidote and cpy blebs. Kspar mostly on									
			edges. No cross-cutting features present									

MP-98-02

From Feet	From m	To Feet	To m	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
					@ 207.23m - volcanic clast w/ epidote/cpy veinlet cutting across. Also: a 3mm wide magnetite vein w/ plag (<2mm) - cut by tiny calcite veins (as usual)	151659	207.8	210.01	2.21		0.23	0.077	7.14	208
					209.22 - 209.35m "Vein" - grungy looking - vesicular - epidote, calcite, kspar, mt, vfg cpy - contacts - top: sheared ~45° to CA, cut by later calcite veins - bottom: gradational ~45° to CA									
					210.66 - 210.83m - - same as above but w/ less calcite + more kspar	151660	210.01	212.0	1.99		0.11	0.037	7.14	96
						151661	210.01 Duplicate	212.0	1.99		0.14	0.046	6.90	106
						151662	212.0	214.0	2.0		0.10	0.027	7.41	66
					221.06 - 221.8m - highly fractured (veined) - epidote content quite high (60%) - brecciation → kspar → epidote → calcite - matrix is green grey (not as dark as usual) - ≤5% hydro bt	151663	214.0	216.0	2.0		0.14	0.029	5.95	137
						151664	216.0	218.0	2.0		0.19	0.027	4.91	133
						151665	218.0	220.0	2.0		0.50	0.112	6.22	1038
						151666	220.0	222.0	2.0		0.12	0.037	5.81	87
						151667	222.0	225.0	3.0		0.19	0.035	6.57	244
						151668	225.0	228.0	3.0		0.23	0.047	5.54	288
						151669	228.0	231.0	3.0		0.16	0.044	5.50	140

MOUNT POLLEY PROPERTY

MP-98-02

From (~~Feet~~ m)	To	Syb	Description	Sample No.	From (~~Feet~~ m)	To	Lgth.	Rec.	Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			226.12 - 249.94m Volcanic									
			· propylitic alteration → epidote									
			w/ varying K alteration									
			· epidote also comes in + out, but remains									
			most constant (some / few									
			<70cm) intervals of veined dk grey volcanic									
			· mineralization - rare and confined to veins									
			@ 224.07m - a 5cm wide 'zebra' vein									
			· mt, cpy (blebs), kspar, actinolite, lighter									
			green (epidote?)									140
			· banding is wavy	151670	231.0	234.0	3.0		0.12	0.026	5.48	~~49~~
			· selvage & vein is wavy too	151671	234.0	237.0	3.0		0.19	0.045	5.18	221
				151672	237.0	240.0	3.0		0.11	0.028	5.54	100
			234.66 - 235.38m									
			· top 34 cm = kspar "vein" - InBx w/ clasts of									
			andesite - matrix supported									
			· "fingers" of the vein x cut more altered									
			andesitic clasts, but this is in turn x cut									
			by an epidote - mt vein									
			· cpy on blebs on kspar veins									

MP-98-02

From Feet / m	To Feet / m	Syb	Description	Sample No.	From Feet / m	To Feet / m	Lgth.	Rec.	Analysis: Total Cu ppm	Analysis: Oxide Cu ppm	Analysis: Fe %	Analysis: Au ppb
			241.84 - 242.04m In Bx	151673	240.0	243.0	3.0		0.11	0.023	8.03	76
			- a 4cm wide "vein"	151674	243.0	245.97	2.97		0.11	0.021	7.61	64
			- clast. (andesite) supported	151675	245.97	249.02	3.05		0.08	0.016	7.57	63
			• matrix - dominantly kspar but in one	151676	249.02	249.94	0.92		0.04	0.012	7.44	18
			area a PP develops									
			• kspar x cuts diopside vein.									
			• both cut by wispy calcite veins									
			• cpy blebs in kspar matrix									
			EOH - 249.94m									

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY: MOUNT POLLEY
HOLE NO.: MP-98-03
COMMENCED: June 28/98
COMPLETED: July 2/98
OBJECTIVE: Pit mineralization

LOCATION: Cariboo Central
LOC.: 3340.14N, 2179.64E
ELEV.: 1150.34
CORE SIZE: NQ

CORRECT DIP:
TRUE BRG:
SURVEY AT:
% RECOVERY:
LENGTH: 252.68m

PAGE: 1/13
LOGGED BY: Janice Letwin
DATE: July 4/98
CORE STORED:
UNUSUAL FEAT.:

From ~~Feet~~ m	To ~~Feet~~ m	Syb	Description	Sample No.	From ~~Feet~~ m	To ~~Feet~~ m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
0	4.27		Overburden - casing	151677	3.68	5.2	1.52		0.17	0.139	5.54	183
				151678	5.2	6.7	1.5		0.19	0.164	3.07	274
4.27	31.95		Intrusion Breccia (pink)	151679	6.7	8.23	1.53		0.39	0.385	6.59	506
			General:	151680	8.23	9.7	1.47		0.24	0.178	5.21	342
			• Fe oxide stains on fractures throughout	151681	Duplicate		1.47		0.31	0.258	5.62	459
			• looks very "grungy" in places due to high mt. content	151682	9.7	11.28	1.58		0.36	0.318	9.19	747
				151683	11.28	12.8	1.42		0.24	0.173	5.92	522
			• clast - edges are K-altered	151684	12.8	14.33	1.53		0.26	0.230	6.78	594
			• alteration varies from extreme to moderate	151685	14.33	16.15	1.82		0.19	0.166	4.00	381
			to 50cm blocks of unaltered rock (diorite)	151686	16.15	17.68	1.53		0.46	0.459	3.86	687
			• mineralization - malachite, azurite, cpy,	151687	17.68	19.2	1.52		0.41	0.345	6.22	756
			chrysocolla	151688	19.2	20.73	1.53		0.50	0.500	3.57	758
			• matrix - PP w/ mt. bt	151689	20.73	22.2	1.47		0.49	0.328	5.28	754
			• overall this zone is oxidized + very broken	151690	22.2	23.72	1.52		0.30	0.247	5.35	378
			with lots of mt ± ht ± Fe-oxide (dendritic	151691	23.72	25.16	1.44		0.14	0.112	4.06	212
			pattern on fractures).	151692	25.16	26.7	1.54		0.13	0.113	2.61	141
				151693	26.7	28.2	1.5		0.16	0.142	3.70	199
				151694	28.2	29.7	1.5		0.19	0.169	6.00	293
			9.58 - 11.28m	151695	29.7	31.95	2.25	Poor	0.25	0.238	5.84	376
			zone of 15% albitization of plag									
31.95	36.29		Augite Porphyry green, pink-green	151696	31.95	33.5	1.55		0.06	0.057		22
			• upper contact: sharp w/ 15cm chill margin (oxidized)	151697	33.5	35.0	1.5		0.05	0.047		21
			• bm contact - undulatory ("stoping") @ 45° to CA	151698	35.0	36.5	1.5		0.06	0.055		76

• pheno's of augite + hematite
• matrix kspar, plag, mt, bt w/ ht on fractures

mp-98-03

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
36.29	38.58		Intrusion Breccia (pink)	151699	36.5	38.0	1.5		0.27	0.254	5.31	429
			• extreme potassic alteration with high degree also of albitization	151700	38.0	39.5	1.5		0.09	0.076	6.90	74
				151701	Duplicate		1.5		0.05	0.045	6.85	33
			• oxidized on fractures and around mt									
			• mt stringers (<1mm thick) common and the youngest									
			• hydrothermal biotite ~15% euhedral fg-2mm									
			• matrix → kspar, plag, albite, biotite, diopside									
			• mineralization - malachite, azurite (can't see much cpy)									
			• core is "pitted"									
38.58	44.47		Augite Porphyry Dyke (green)	151702	39.5	41.0	1.5		0.03	0.027	8.13	6
			• oxidized	151703	41.0	42.48	1.48		0.01	0.012	8.37	5
			• calcite veins - anastamosing and cutting all - low density (~10%)	151704	42.48	44.47	1.99		0.01	0.014	8.35	6
			- hematite on fractures									
			- phenocrysts - ht ± mt ± augite									
			• actinolite? in matrix									
			• upper + lower contacts sharp @ ~30° to CA									

MP-98-03

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
44.47	48.02		Intrusion Breccia pink	151705	44.47	46.5	2.03		0.24	0.233	5.56	262
			• extreme potassic alteration	151706	46.5	48.02	1.52		0.26	0.189	4.56	421
			• clasts - few, most are obliterated									
			• matrix - PP									
			• mineralization - vfg malachite, <cpy									
			• biotite + mt quite common (30% total)									
			• oxidized.									
48.02	52.20		Augite Porphyry Dyke	151707	48.02	50.01	1.99		0.04	0.022	6.88	27
			• same as prev. description	151708	50.01	52.2	1.19		0.03	0.024	6.77	16
			• oxidized + 'pitted' core									
			• mt + augite + bt									
			48.65 - 49.05m Vein breccia									
			• undulatory contact with AP (10-15° to CA)									
			• matrix - calcite, hydro-bt									
			• clasts - PP (w/cpy) - angular to subangular									
			- 2mm-2cm									
			- AP - angular, 2-30mm									
			~~cpy~~									
52.20	161.33		Intrusion Breccia	151709	52.2	53.7	1.5		0.07	0.060	3.33	87
			General:	151710	53.7	55.2	1.5		0.14	0.133	4.26	163
			• zones of extreme "grungyness" - where the	151711	55.2	56.7	1.5		0.15	0.137	4.47	146

• little to no epidote
• diopside/actinolite vfg-matrix - <2%.

MP-98-03

From ~~East~~ m	To ~~East~~ m	Syb	Description	Sample No.	From ~~East~~ m	To ~~East~~ m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			InBx is cut by many wispy (1-4mm)	151712	56.7	58.2	1.5		0.15	0.137	5.43	172
			magnetite veins - some altered to hematite -	151713	58.2	59.7	1.5		0.11	0.095	5.03	117
			and the core is pitted. Also calcite veins	151714	59.7	61.2	1.5		0.10	0.090	2.95	103
			• oxidation is in + out	151715	61.2	62.7	1.5		0.15	0.132	3.64	171
			• hydro-bt common + gets quite large	151716	62.7	64.2	1.5		0.17	0.156	5.48	316
			(up to ## 3cm books - euhedral)	151717	64.2	65.7	1.5		0.19	0.063	3.09	238
			• it's a very pink-homogenous rock. Not	151718	65.7	67.2	1.5		0.14	0.019	4.73	196
			many stories told or questions answered	151719	67.2	68.7	1.5		0.24	0.038	3.98	306
			with this one.	151720	68.7	70.2	1.5		0.32	0.043	3.37	370
			• mineralization - cpy-fg. blebs	151721	Duplicate		1.5		0.31	0.046	3.40	387
			malachite - blebs on fractures.	151722	70.2	71.7	1.5		0.25	0.028	3.68	374
				151723	71.7	73.2	1.5		0.48	0.063	3.43	695
			60.13-61.98m Plagioclase Porphyry	151724	73.2	74.7	1.5		0.18	0.021	3.26	270
			• unaltered (or weak), w/ rare mt veinlets	151725	74.7	76.25	1.55		0.18	0.022	4.94	266
			• phenocrysts of plag and hydro-bt	151726	76.25	77.8	1.55		0.53	0.064	4.72	682
			• rare mafic (andesite) clasts - subangular,	151727	77.8	79.3	1.5		0.13	0.017	5.14	169
			2 cm.	151728	79.3	80.8	1.5		0.22	0.038	5.04	277
			• min'n - "cold" - some malachite on fractures	151729	80.8	82.3	1.5		0.30	0.039	4.74	381
				151730	82.3	83.8	1.5		0.23	0.033	3.38	278
			68.92-69.64m ? Vein Breccia	151731	83.8	85.3	1.5		0.08	0.012	3.03	97
			• clasts - PP altered (grey) PP, AP?	151732	85.3	86.8	1.5		0.13	0.030	3.32	178
			• matrix - ?PP.. or else its a secondary influx	151733	86.8	88.26	1.46		0.07	0.049	3.62	63
			of magma along this same weakness.	151734	88.26	89.8	1.54		0.14	0.031	4.61	160

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From	To	Syb	Description	Sample No.	From	To	Lgth.	Rec.	Analysis			
Feet / m					Feet / m				Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			Whole shot is xcut by calcite veins	151735	89.8	91.3	1.5		0.23	0.054	4.28	284
				151736	91.3	93.08	1.58		0.15	0.018	4.43	251
			· mineralization - cpy, mt	151737	93.08	94.5	1.42		0.30	0.040	5.35	375
				151738	94.5	96.01	1.51		0.18	0.023	3.80	228
			75.22 - 75.37m Augite Porphyry	151739	96.01	97.5	1.49		0.45	0.063	5.27	457
			· sharp contacts	151740	97.5	99.0	1.5		0.15	0.028	4.60	206
			· cut by calcite veins	151741	Duplicate		1.5		0.21	0.033	4.52	239
			· ht on fractures	151742	99.0	100.5	1.5		0.28	0.037	5.51	345
				151743	100.5	102.0	1.5		0.30	0.048	3.85	398
			89.7 - 90.02m Small Dyke - PP	151744	102.0	103.49	1.49		0.18	0.025	4.95	203
			· Kspar alteration in patches, so they look	151745	103.49	105.0	1.51		0.19	0.026	4.72	339
			like large pheno's (5-15mm)	151746	105.0	106.5	1.5		0.21	0.032	6.23	449
			· matrix - vfg f-m grained plag	151747	106.5	108.0	1.5		0.21	0.030	4.19	244
			vfg grey groundmass	151748	108.0	109.5	1.5		0.15	0.024	5.26	154
			· sharp contacts but no chill margins	151749	109.5	110.0	1.5		0.02	0.005	1.33	14
				151750	111.0	112.47	1.47		0.01	0.003	1.34	7
			92.67 - 93.08m Major Magnetite	151751	112.47	114.0	1.53		0.08	0.014	2.44	90
			· original rock is reduced to clasts in a	151752	114.0	115.52	1.52		0.12	0.019	4.67	135
			magnetite matrix	151753	115.52	117.0	1.48		0.09	0.013	3.48	93
			· some (<2%) oxidation to hematite	151754	117.04	118.57	1.53		0.05	0.009	4.57	78
			· cpy-rich	151755	118.57	120.0	1.47		0.25	0.028	5.74	310
				151756	120.0	121.5	1.5		0.08	0.010	5.68	94
				151757	121.5	123.0	1.5		0.11	0.013	5.38	106

MP-98-03

From ~~East~~ m	To	Syb	Description	Sample No.	From ~~East~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			94.41 - 95.2 m Plagioclase Porphyry	151758	123.0	124.5	1.5		0.18	0.021	7.33	212
			· not as much magnetite or brecciation	151759	124.5	126.0	1.5		0.15	0.022	3.49	185
			as surrounding InBx. I chose this	151760	126.0	127.5	1.5		0.06	0.015	2.94	68
			interval to demonstrate the patchiness	151761	Duplicate		1.5		0.06	0.014	2.91	63
			of the magnetite veinlets mentioned	151762	127.5	129.0	1.5		0.18	0.026	4.65	219
			earlier. There are none here!	151763	129.0	130.5	1.5		0.13	0.019	6.36	127
			· hy-biotite ~ 8%. vfg - 1mm subhedral	151764	130.5	132.0	1.5		0.08	0.065	4.47	82
			· the one magnetite vein (some altered to	151765	132.0	133.49	1.49		0.12	0.018	4.52	116
			hematite) has cpy. Otherwise, min'n	151766	133.49	135.0	1.51		0.13	0.020	5.79	148
			looks pretty dry.	151767	135.0	136.5	1.5		0.19	0.027	7.32	197
				151768	136.5	138.0	1.5		0.20	0.028	5.93	201
			103.49 - 109.1 m InBx	151769	138.0	139.5	1.5		0.10	0.015	4.58	124
			- this is Box 19 and the changes in it are all	151770	139.5	141.0	1.5		0.10	0.016	5.07	123
			within the InBx designation, but the	151771	141.0	142.5	1.5		0.09	0.035	4.98	90
			spectrum of textures ... well, I had to	151772	142.5	144.0	1.5		0.10	0.023	3.53	82
			break it down;	151773	144.0	145.5	1.5		0.08	0.013	5.17	74
			first 2m → obvious PP InBx with weak K-alteration	151774	145.5	146.99	1.49		0.09	0.015	4.85	124
			next 1m → as above, but with weak prop, too	151775	146.99	148.5	1.51		0.13	0.018	5.20	180
			next 1m → very pink - rare to no clasts. PP. Decrease	151776	148.5	150.0	1.5		0.07	0.013	4.68	91
			in hydrothermal bt and mt compared to	151777	150.0	151.5	1.5		0.08	0.016	4.26	111
			surrounding rock	151778	151.5	153.0	1.5		0.05	0.010	3.04	61
			last → propylitically altered volcanic clasts,	151779	153.0	154.5	1.5		0.07	0.008	3.19	91
			cross-cut by K-veins and alteration with	151780	154.5	156.0	1.5		0.08	0.009	5.24	77

lots of biotite.

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From Feet / m	To	Syb	Description	Sample No.	From Feet / m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			@ 132.59m	151781	Duplicate 154.5	156.0	1.5		0.07	0.003	5.49	56
			· cpy in late calcite vein, cross-cutting potassic alteration	151782	156.0	157.5	1.5		0.13	0.015	4.65	92
				151783	157.5	159.1	1.6		0.06	0.012	6.00	60
				151784	159.1	160.6	1.5		0.09	0.012	2.26	114
			132.48 - 133.99m PP InBx (pink)	151785	160.6	162.1	1.5		0.07	0.008	5.17	53
			· high degree of albitization (25%)									B
			* the amount of Ab varies, but it is extremely constant throughout the hole, compared to 98-01, 98-02.									
			· lots of hy-bt, mt, actinolite									
			· mineralization - WOW! cpy on fractures, but hard to see in matrix (vfg?)									
			143.12 - 144.98m . PP InBx (pink)									
			· moderate K-alteration									
			· a little more bt than the last PP I described (~30%)									
			· 15% albitization									
			mineralization: cpy in later mt, calcite veins and definitely on fractures - LOTS									
			→ in between the above intervals is classic InBx w/ moderate alteration (extreme, too)									

MOUNT POLLEY PROPERTY

MP-98-03

From (~~Feet~~ m)	To	Syb	Description	Sample No.	From (~~Feet~~ m)	To	Lgth.	Rec.	Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			147.~~9~~8 - 148.09m InBx (grey-pink)									
			· grey-green PP (propylitic) clasts cut by potassic ~~alt~~ alteration									
			· few volcanic clasts, too.									
			· hy-bt 10-50%.									
			155.42 - 159.09m InBx w/volcanic clasts									
			· alteration → moderate potassic w/ 10% Ab.									
			· clasts - volcanic; angular to subangular 15-35%.									
			· matrix - PP - sometimes very grey									
			· alteration - controlled by veins									
			· very magnetic, but not looking mt-rich.									
			· secondary bt; f-mgr; ≤2mm; 10%.									
			· mineralization - cpy - follows veins - not much in matrix									
161.33	165.46		Augite Porphyry Dyke (green, pink-green)	151786	162.1	163.8	1.7		0.02	0.011	6.82	5
			· top contact displays 'stoping' textures. undulatory, sharp @ 40° CA	151787	163.8	165.46	1.66		0.01	0.003	7.49	6
			· vfg dk grey to pink grey (k altered?) matrix									
			· phenocrysts - augite - 2-3mm; sub to euhedral 25% bt; 2-4mm; anhedral; 10%									

mp-98-03

From Feet	From m	To Feet	To m	Syb	Description	Sample No.	From m	To m	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
					• yellow? and red oxidation on fractures									
					• btm contact ~45° to CA, sharp, planar									
165.46	239.56				Intrusion Breccia w/ PP matrix	151788	165.46	167.0	1.54		0.12	0.023	4.67	133
					General:	151789	167.0	168.55	1.55		0.12	0.026	4.53	182
					• PP is light grey; rare andesite clasts	151790	168.55	170.0	14.5		0.19	0.040	5.07	289
					• pot alteration mostly stays to veins + halos.	151791	170.0	171.5	1.5		0.14	0.039	4.80	226
					Sometimes moves into matrix, but no	151792	171.5	173.0	1.5		0.14	0.030	4.77	205
					more than moderate pot on average	151793	173.0	174.5	1.5		0.17	0.032	5.55	146
					• grungy magnetite zones are gone	151794	174.5	176.0	1.5		0.28	0.050	5.09	340
					• hydro-bt 15-20% vfg-2mm	151795	176.0	177.5	1.5		0.08	0.027	4.83	103
					• mt vfg, but rock is definitely magnetic -	151796	177.5	179.0	1.5		0.06	0.012	4.46	73
					some blebs (5%)	151797	179.0	180.55	1.5		0.12	0.018	5.02	154
					• mineralization cpy >> py	151798	180.55	182.0	1.5		0.31	0.043	4.54	318
					cpy - blebs - in calcite veins	151799	182.0	183.5	1.5		0.24	0.035	4.02	201
					- fg in PP matrix w/ bt + mt	151800	183.5	185.0	1.5		0.23	0.034	4.60	227
					- on fractures - a lot!	151801	Duplicate		1.5		0.23	0.037	4.60	268
					• albitization - throughout interval - ranges	151802	185.0	186.5	1.5		0.23	0.049	467	247
					from 2-20%	151803	186.5	188.0	1.5		0.24	0.034	4.75	244
					• rare actinolite / diopside	151804	188.0	189.5	1.5		0.16	0.024	3.98	143
						151805	189.5	191.04	1.5		0.07	0.037	4.19	79
					195.61 - 196.69m albite	151806	191.04	192.5	1.5		0.10	0.012	4.57	102
					• zone with ~20% albite	151807	192.5	194.0	1.5		0.29	0.044	4.69	436

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From	To	Syb	Description	Sample No.	From	To	Lgth.	Rec.	Analysis			
East m					East m				Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			· cpy in late calcite veins	151808	194.0	195.5	1.5		0.13	0.019	4.53	153
			· pot alteration mostly along veins (later	151809	195.5	197.0	1.5		0.13	0.016	4.32	137
			filled w/ calcite)	151810	197.0	198.5	1.5		0.19	0.026	4.74	202
			· bt + mt content looks average	151811	198.5	200.0	1.5		0.21	0.037	4.83	193
			· not much but albite content to distinguish	151812	200.0	201.5	1.5		0.12	0.018	4.79	141
			this interval.	151813	201.5	203.0	1.5		0.09	0.014	4.23	111
				151814	203.0	204.5	1.5		0.10	0.037	4.28	122
			201.59 - 202.47m Breccia	151815	204.5	206.0	1.5		0.10	0.035	3.46	125
			· matrix - dark grey (mt?) veins - too	151816	206.0	207.5	1.5		0.13	0.017	3.42	180
			clay-looking to be magnetite	151817	207.5	209.0	1.5		0.08	0.009	2.94	113
			· clasts - PP - rounded to subrounded	151818	209.0	210.5	1.5		0.10	0.011	4.21	109
			· biotite - 20% - actinolite 5%	151819	210.5	212.0	1.5		0.14	0.022	4.69	149
			· cut by late thin calcite veinlets	151820	212.0	213.5	1.5		0.08	0.034	4.75	109
			· little to no cpy	151821	208.0	Duplicate	1.5		0.08	0.033	4.89	94
				151822	213.5	215.0	1.5		0.15	0.051	5.14	150
			211.02 - 215.2m InBx - PP (pink, grey-green)	151823	215.0	216.5	1.5		0.27	0.238	3.53	378
			· propylitic alteration - weak	151824	216.5	218.0	1.5		0.11	0.039	4.31	133
			potassic alteration - weak	151825	218.0	219.5	1.5		0.28	0.076	4.58	236
			· PP texture very obvious - it's just green-	151826	219.5	221.0	1.5		0.25	0.047	3.87	318
			grey	151827	221.0	222.5	1.5		0.10	0.017	3.72	129
			· bt 20% 2-3mm sub to euhedral	151828	222.5	224.0	1.5		0.15	0.079	3.84	260
			· mt 15% 1-2mm sub to anhedral - mostly	151829	224.0	225.5	1.5		0.16	0.106	4.39	261
			along veins.	151830	225.5	227.0	1.5		0.08	0.060	4.38	150
			· diopside 10% vfg + blebs									

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From Feet	To Feet	Syb	Description	Sample No.	From Feet	To Feet	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
			• some weak oxidation lower down	151831	227.0	228.5	1.5		0.18	0.025	4.00	225
			• mineralization - blebs in K-spar zones	151832	228.5	230.02	1.52		0.23	0.031	4.23	294
				151833	230.02	231.5	1.48		0.46	0.071	4.56	647
			215.2 - 239.56m Int Bx	151834	231.5	233.0	1.5		0.13	0.068	4.56	219
			• moderate to extreme K-alteration	151835	233.0	234.5	1.5		0.25	0.045	4.67	277
			• rare volcanic clasts. Mostly K-altered pp	151836	234.5	236.0	1.5		0.12	0.046	4.41	170
				151837	236.0	237.5	1.5		0.14	0.023	4.13	244
			• mineralization => GREAT cpy >> py.	151838	237.5	239.0	1.5		0.26	0.040	3.72	687
			- some malachite + rare chrysocolla	151839	239.0	240.5	1.5		0.09	0.027	5.96	103
			- cpy : fg in matrix									
			- fracture filling									
			- blebs all over									
			• mt common - blebs + fg									
			• bt 10-15%. <2mm									
			225.79 - 227.4m Volcanic Clast? / Dyke?									
			• sharp top + bottom contact									
			• dark grey to red grey (hematite)									
			• vfg matrix									
			• pheno's of plag and augite									
			• cut by calcite veins - some vein bx present w/ angular volcanic clasts + calcite matrix									
			226.09 - 226.3m => zone of sheared hematite.									

MP-98-03

From ~~Feet~~ m	To	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis: Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
239.56	243.19		PP/Diorite? light grey to salt + pepper	151840	240.5	242.0	1.5		0.11	0.030	5.76	127
			• looks too equigranular to be PP, but	151841	Duplicate		1.5		0.14	0.032	5.38	149
			there are volcanic clasts, and kspar	151842	242.0	243.5	1.5		0.08	0.011	5.56	86
			veins cutting the rock.									
			• calcite veins cross cut kspar									
			• mineralization - ? very little cpy in matrix									
			• albitization of plag ~10%.									
243.19	247.19		Intrusion Breccia	151843	243.5	245.06	1.56		0.10	0.024	4.45	139
			• same old	151844	245.06	246.58	1.52		0.10	0.016	5.00	144
				151845	246.58	247.91	1.33		0.20	0.036	5.01	250
247.19	248.25		Augite Porphyry	151846	247.91	249.94	2.03		<0.01	0.003	4.94	<5
			• dark green									
			• 2mm augite phenocrysts in green vfg matrix									
			• no mineralization									
248.25	251.43		Volcanic (Andesite?) dark grey	151847	249.94	251.34	1.40		<0.01	0.003	4.86	<5
			• very fine grained									
			• no mineralization I can see									
			• calcite veins (5%) 75-90° to CA									

MP-98-03

From Feet	To Feet	Syb	Description	Sample No.	From ~~Feet~~ m	To	Lgth.	Rec.	Analysis Total Cu ppm	Oxide Cu ppm	Fe %	Au ppb
251.43	252.68		Mafic Dyke green	151848	251.34	252.68	1.34		<0.01	<0.001	5.36	<5
	EOH		· very fine grained									
			· chloritized and sheared									
			· phenocrysts of chlorite? (altered augite maybe?)									
			· same calcite veins as those in the above volcanic									
			END OF HOLE									

Appendix 5
Geotechnical Logs

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-01	Logged by: Janice Letwin	Elevation:	Page 1 of 4
Drill Date:	E:	Core Size: NQ	
Log Date:	N:		

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
3.05	5.79	2.74	2.83	103	0.77	28	21			
5.79	8.84	3.05	3.05	100	1.96	64	23			
8.84	11.89	3.05	3.05	100	1.32	43	25			
11.89	14.94	3.05	3.05	100	2.2	72	22			
14.94	17.98	3.04	3.00	99	2.12	70	27			
17.98	19.2	1.22	1.16	95	0.14	11	14			
19.2	21.03	1.83	1.83	100	0.46	25	26			
21.03	24.08	3.05	3.05	100	3.02	99	6			
24.08	27.13	3.05	3.05	100	2.28	75	16			
27.13	28.65	1.52	1.52	100	0.24	16	15			
28.65	30.18	1.53	1.53	100	0.56	37	13			
30.18	31.39	1.21	1.21	100	0.26	21	23			
31.39	33.22	1.83	1.83	100	0.82	45	22			
33.22	34.75	1.53	1.53	100	0.63	41	20			
34.75	36.27	1.52	1.46	96	0.75	49	13			
36.27	37.49	1.22	1.22	100	0.7	57	12			
37.49	39.32	1.83	1.77	97	0.32	17	20			
39.32	42.37	3.05	3.05	100	2.08	68	26			
42.37	45.42	3.05	3.05	100	1.47	48	25			
45.42	46.02	1.4	0.61	44	0	0	15			
46.02	46.63	0.61	0.52	85	0	0	20			
46.63	46.94	0.31	0.18	58	0	0	10			
46.94	48.16	1.22	1.13	93	0.53	43	15			
48.16	49.38	1.22	1.2	98	0.32	26	18			
49.38	50.29	0.91	0.91	100	0	0	14			
50.29	51.51	1.22	1.22	100	0.44	36	18			
51.51	52.73	1.22	1.01	83	0.25	20	10			
52.73	54.56	1.83	1.38	75	0.16	9	18			
54.56	57.3	2.74	2.68	98	0.92	34	20			
57.3	58.83	1.53	1.4	92	0.29	19	12			
58.83	60.06	1.23	1.22	99	0.93	76	6			
60.06	62.79	2.73	2.64	97	1.63	60	10			
62.79	65.84	3.05	3.05	100	2.05	67	7			
65.84	68.88	3.04	3.05	100	2.06	68	11			
68.88	71.93	3.05	2.99	98	2.46	81	8			

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-01

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
71.93	74.07	2.14	1.60	75	0.33	15	8			
74.07	75.59	1.52	1.51	99	0.66	43	8			
75.59	78.33	2.74	2.60	95	1.36	50	11			
78.33	81.38	3.05	3.00	98	2.29	75	6			
81.38	83.21	1.83	1.83	100	1.28	70	9			
83.21	85.04	1.83	1.78	97	0.69	38	7			
85.04	86.56	1.52	1.52	100	0.96	63	8			
86.56	89.61	3.05	3.05	100	2.03	67	13			
89.61	90.83	1.22	1.17	96	0.55	45	6			
90.83	92.96	2.13	2.08	98	0.97	46	12			
92.96	94.49	1.53	1.53	100	0.48	31	10			
94.49	95.40	0.91	0.77	85	0.21	23	7			
95.40	97.23	1.83	1.14	62	0.44	24	7			
97.23	99.36	2.13	2.13	100	1.68	79	8			
99.36	102.11	2.75	2.75	100	0.95	35	13			
102.11	104.24	2.13	2.13	100	1.28	60	9			
104.24	106.38	2.14	2.14	100	1.61	75	10			
106.38	108.51	2.13	2.13	100	1.02	48	14			fault gouge
108.51	111.56	3.05	3.05	100	2.47	81	13			
111.56	112.17	0.61	0.56	92	0.10	16	7			
112.17	113.96	1.52	1.52	100	0.58	38	10			
113.96	115.52	1.83	1.76	96	1.34	73	11			
115.52	118.57	3.05	3.05	100	2.54	83	14			
118.57	121.62	3.05	3.05	100	2.47	81	9			
121.62	124.66	3.04	3.05	100	2.80	92	10			
124.66	126.80	2.14	2.10	98	1.36	64	10			
126.80	129.84	3.04	3.04	100	2.57	85	12			
129.84	132.89	3.05	3.04	100	2.87	94	5			
132.89	135.94	3.05	3.05	100	3.00	98	4			
135.94	138.99	3.05	3.05	100	2.63	86	8			
138.99	142.04	3.05	3.05	100	1.83	60	12			
142.04	143.56	1.52	1.52	100	0.36	24	9			
143.56	146.00	2.44	2.30	94	1.63	67	6			
146.00	149.05	3.05	3.05	100	2.44	80	8			
149.05	150.88	1.83	1.76	96	0.65	36	16			

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-01

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
150.88	151.79	0.91	0.91	100	0.37	41	18			
151.79	153.31	1.52	1.52	100	1.35	89	7			
153.31	156.36	3.05	3.05	100	2.50	82	7			
156.36	158.19	1.83	1.83	100	1.55	85	7			
158.19	161.24	3.05	3.05	100	2.61	86	11			
161.24	162.46	1.22	1.22	100	0.61	50	9			
162.46	164.29	1.83	1.83	100	1.37	75	9			
164.29	167.34	3.05	3.05	100	2.44	80	5			
167.34	170.38	3.04	3.04	100	2.33	77	6			
170.38	173.13	2.75	2.72	99	1.67	61	9			
173.13	176.17	3.04	3.04	100	2.80	92	9			
176.17	179.22	3.05	3.05	100	2.20	72	6			
179.22	182.27	3.05	3.05	100	3.05	100	6			
182.27	185.32	3.05	3.05	100	2.38	78	10			
185.32	188.37	3.05	3.05	100	2.12	70	11			first 16cm look like fault gouge
188.37	191.11	2.74	2.74	100	2.05	75	8			
191.11	192.94	1.83	1.83	100	1.03	56	10			
192.94	194.77	1.83	1.83	100	0.92	50	12			
194.77	196.29	1.52	1.52	100	0.57	38	15			
196.29	197.51	1.22	1.22	100	0.00	0	5			fractures parallel to CA
197.51	199.64	2.13	1.93	91	0.62	29	10			
199.64	201.47	1.83	1.75	96	1.03	56	10			
201.47	201.78	0.31	0.23	74	0.00	0	5			rubble
201.78	203.00	1.22	0.73	60	0.59	48	5			
203.00	203.61	0.61	0.91	149	0.72	118	4			
203.61	205.13	1.52	1.22	80	0.91	60	6			
205.13	206.35	1.22	1.04	85	0.60	49	8			
206.35	207.26	0.91	0.91	100	0.36	40	7			slicks on fractures with hematite and talc?
207.26	207.87	0.61	0.61	100	0.13	21	12			slicks on fractures with hematite and talc?
207.87	210.01	2.14	2.14	100	1.88	88	11			
210.01	212.45	2.44	2.44	100	2.00	82	10			
212.45	215.49	3.04	3.04	100	2.47	81	5			
215.49	218.54	3.05	3.05	100	2.54	83	8			
218.54	220.98	2.44	2.37	97	1.50	61	11			
220.98	222.50	1.52	1.52	100	0.79	52	8			

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-01

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
222.50	224.64	2.14	2.14	100	1.52	71	8			
224.64	226.77	2.13	2.13	100	0.83	39	13			
226.77	227.99	1.22	1.22	100	0.62	51	7			
227.99	229.82	1.83	1.83	100	1.34	73	12			
229.82	231.34	1.52	1.52	100	1.34	88	4			
231.34	234.39	3.05	3.05	100	2.75	90	7			
234.39	237.44	3.05	3.05	100	2.97	97	5			
237.44	240.49	3.05	3.05	100	2.39	78	6			
240.49	243.54	3.05	3.05	100	2.69	88	7			
243.54	246.58	3.04	3.04	100	2.97	98	7			
246.58	249.63	3.05	3.05	100	3.01	99	4			
249.63	252.68	3.05	2.69	88	2.49	82	7			
252.68	255.73	3.05	3.05	100	2.79	91	7			
255.73	258.78	3.05	3.05	100	3.01	99	4			
258.78	261.82	3.04	3.04	100	2.55	84	15			most fractures are @90 and 0 degrees to CA
261.82	264.87	3.05	2.98	98	2.90	95	5			
264.87	267.92	3.05	3.05	100	2.70	89	6			
267.92	270.97	3.05	3.05	100	2.98	98	5			
270.97	273.71	2.74	3.04	111	2.34	85	4			
273.71	276.76	3.05	3.05	100	3.02	99	3			
276.76	279.81	3.05	3.05	100	2.63	86	6			
279.81	282.86	3.05	3.05	100	2.95	97	4			
282.86	285.90	3.04	3.04	100	2.91	96	3			
285.90	288.95	3.05	3.05	100	2.44	80	7			most fractures are healed
288.95	289.56	0.61	0.61	100	0.31	51	2			

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-02	Logged by: Janice Letwin	Elevation: 1150 m	Page 1 of 3
Drill Date:	E: 2410	Core Size: NQ	
Log Date:	N: 3120	TD: 249.94 m	

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
6.10	6.71	0.61	0.61	100	0.00	0	lots	1	4	very broken - <1-3cm blocks. Oxidized.
6.71	7.32	0.61	0.42	69	0.00	0	10	1	4	very broken - <1-5cm blocks. Oxidized.
7.32	8.84	1.52	1.25	82	0.35	23	11	1	4	Very broken at end. Oxidized.
8.84	11.89	3.05	2.98	98	1.54	50	11	1	4	
11.89	14.94	3.05	3.05	100	2.95	97	10	1	4	
14.94	17.98	3.04	3.01	99	2.23	73	13	1	4	oxidized
17.98	19.87	1.89	1.51	80	0.17	9	7	1	4	bottom 30-40cm is <2cm clasts
19.87	22.25	2.38	2.18	92	0.92	39	9	1	5	mush in places
22.25	24.08	1.83	1.83	100	0.67	37	3	1	5	mushy
24.08	26.82	2.74	2.50	91	1.07	39	6	1	5	not very solid, competent rock
26.82	29.87	3.05	3.05	100	2.18	71	7	1	5	
29.87	31.39	1.52	1.10	72	0.37	24	5	1	4	low competence
31.39	33.22	1.83	1.40	77	1.14	62	4	1	4	
33.22	35.66	2.44	2.20	90	1.40	57	7	1	4	
35.66	38.71	3.05	3.05	100	2.49	82	13	3	3	
38.71	40.54	1.83	1.83	100	1.48	81	7	3,2	3,4	crumbly
40.54	42.37	1.83	1.66	91	1.09	60	8	3	3	
42.37	42.98	0.61	0.31	51	0.29	48	4	3	3	
42.98	45.42	2.44	2.43	100	1.70	70	9	3	3	
45.42	48.46	3.04	3.04	100	2.81	92	7	3	3	
48.46	51.51	3.05	3.05	100	3.00	98	7	3	3	
51.51	54.66	3.15	3.02	96	2.84	90	8	4	3	
54.66	57.61	2.95	2.97	101	2.89	98	7	4	3	
57.61	60.66	3.05	3.05	100	2.66	87	9	4	3	
60.66	63.70	3.04	3.04	100	2.75	90	6	3	3	
63.70	66.75	3.05	3.05	100	3.03	99	9	3	3	
66.75	69.80	3.05	3.05	100	2.03	67	10	3	3	
69.80	71.93	2.13	2.13	100	2.00	94	7	3	3	
71.93	72.85	0.92	0.87	95	0.74	80	2	2	3	
72.85	73.46	0.61	0.58	95	0.50	82	4	3	3	
73.46	75.90	2.44	2.44	100	2.04	84	8	4	3	
75.90	77.11	1.21	0.98	81	0.70	58	65	4	3	
77.11	78.94	1.83	1.78	97	1.66	91	4	4	3	
78.94	81.99	3.05	2.89	95	2.81	92	4	4	3	
81.99	85.04	3.05	3.05	100	2.63	86	8	4	3	

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-02

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
85.04	86.56	1.52	1.52	100	1.43	94	6	3	3	
86.56	87.88	1.32	1.32	100	0.73	55	9	2	3	
87.88	89.92	2.04	1.82	89	1.10	54	8	3	3	
89.92	91.14	1.22	1.01	83	0.83	68	4	3	3	
91.14	94.18	3.04	3.04	100	2.78	91	6	3	3	
94.18	97.23	3.05	3.05	100	2.95	97	5	3	3	
97.23	99.67	2.44	2.44	100	2.06	84	9	2	3	
99.67	101.50	1.83	1.50	82	0.82	45	7	2	2,3	fractured and oxidized
101.50	103.33	1.83	1.83	100	1.57	86	5	3	3	
103.33	106.38	3.05	3.05	100	2.87	94	5	3	3	
106.38	109.42	3.04	3.04	100	2.99	98	8	3	3	
109.42	112.47	3.05	3.05	100	3.05	100	7	3	3	
112.47	115.52	3.05	3.05	100	2.89	95	4	3	3	
115.52	118.57	3.05	3.05	100	2.71	89	9	2	3	
118.57	121.62	3.05	3.05	100	2.50	82	10	3	3	
121.62	124.66	3.04	3.04	100	2.68	88	7	3	3	
124.66	127.71	3.05	3.05	100	2.91	95	6	3	3	
127.71	130.76	3.05	3.05	100	2.73	90	11	3	3	
130.76	133.81	3.05	3.05	100	2.96	97	6	3	3	
133.81	136.86	3.05	3.05	100	3.00	98	5	3	3	
136.86	139.90	3.04	3.04	100	3.02	99	4	3	3	
139.90	140.82	0.92	0.89	97	0.80	87	4	3	3	
140.82	142.92	2.10	1.87	89	0.97	46	8	2,3	3	
142.92	146.00	3.08	3.05	99	2.94	95	7	3	3	
146.00	148.13	2.13	2.13	100	2.02	95	5	3	3	
148.13	151.18	3.05	3.05	100	2.90	95	7	3	3	
151.18	154.23	3.05	3.05	100	2.78	91	5	3	3	
154.23	156.67	2.44	2.31	95	1.99	82	7	3	3	
156.67	157.58	0.91	0.91	100	0.73	80	6	3	3	
157.58	160.63	3.05	3.05	100	2.91	95	6	3	3	
160.63	163.68	3.05	3.05	100	2.18	71	10	3	3	
163.68	166.73	3.05	3.05	100	2.52	83	7	3	3	
166.73	169.77	3.04	3.04	100	2.55	84	18	3	3	some fractures are oxidized
169.77	170.69	0.92	0.92	100	0.53	58	4	3	3	
170.69	173.43	2.74	2.75	100	2.46	90	10	3	3	

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-02

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
173.43	176.48	3.05	2.93	96	2.98	98	6	3	3	
176.48	179.53	3.05	2.91	95	2.67	88	7	3	3	
179.53	182.58	3.05	3.05	100	2.81	92	6	3	3	
182.58	185.62	3.04	3.05	100	2.91	96	5	3	3	
185.62	188.67	3.05	3.05	100	2.88	94	8	3	3	
188.67	191.72	3.05	3.05	100	3.03	99	7	3	3	
191.72	194.77	3.05	3.05	100	2.70	89	9	3	3	
194.77	197.82	3.05	3.05	100	2.59	85	15	2	3	fractures parallel to CA
197.82	200.86	3.04	3.05	100	2.71	89	8	3	3	
200.86	203.61	2.75	3.05	111	2.56	93	10	3	3	
203.61	206.96	3.35	3.05	91	2.81	84	10	3	3	
206.96	210.01	3.05	3.05	100	2.85	93	6	3	3	
210.01	213.06	3.05	3.05	100	2.91	95	7	3	3	
213.06	216.10	3.04	3.04	100	2.87	94	7	3	3	
216.10	217.63	1.53	1.53	100	1.34	88	4	3	3	
217.63	220.68	3.05	2.95	97	2.95	97	5	4	3	
220.68	222.20	1.52	1.47	97	1.45	95	6	3	3	
222.20	225.25	3.05	3.05	100	2.71	89	8	3	3	
225.25	228.30	3.05	3.05	100	3.05	100	7	3	3	
228.30	230.43	2.13	2.13	100	1.78	84	11	3	3	
230.43	233.48	3.05	2.98	98	2.80	92	8	3	3	
233.48	236.52	3.04	3.05	100	2.42	80	10	3	3	
236.52	238.66	2.14	2.14	100	1.71	80	9	3	3	
238.66	239.88	1.22	1.15	94	1.00	82	4	4	3	
239.88	242.93	3.05	3.05	100	2.62	86	4	3	3	
242.93	245.97	3.04	3.04	100	2.76	91	6	3	3	
245.97	249.02	3.05	2.97	97	2.83	93	5	3	3	
249.02	249.94	0.92	1.29	honest!	1.29	140	2	3	3	I checked the lengths a few times, and they are true.

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-03	Logged by: Janice Letwin	Elevation: 1150 m	Page 1 of 4
Drill Date:	E: 2180	Core Size: NQ	
Log Date:	N: 3340	TD:252.68 m	

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
3.68	4.27	0.59	0.44	75	0.12	20	3	2	3	
4.27	5.49	1.22	1.22	100	0.59	48	7	2	2	
5.49	6.40	0.91	0.81	89	0.25	27	4	3	3	
6.40	7.62	1.22	1.22	100	0.59	48	7	3	3	
7.62	8.23	0.61	0.81	133	0.54	89	4	3	3	
8.23	9.14	0.91	0.85	93	0.31	34	4	2	4	bottom is all broken
9.14	10.06	0.92	0.92	100	0.58	63	9	3	3	
10.06	11.28	1.22	1.22	100	0.80	66	8	3	3	
11.28	12.80	1.52	1.48	97	0.89	59	9	3	3	
12.80	14.33	1.53	1.53	100	0.97	63	7	0-1	3	
14.33	14.95	0.62	0.30	48	0.00	0	2	1	4	rubble
14.95	16.15	1.20	0.90	75	0.00	0	??	0	5	nothing but grunge and pebbles
16.15	17.68	1.53	1.53	100	0.50	33	16	1	4	
17.68	20.73	3.05	2.80	92	2.17	71	8	2	4	
20.73	22.80	2.07	2.07	100	1.57	76	10	2	3	
22.80	24.08	1.28	1.28	100	1.01	79	4	3	3	
24.08	26.82	2.74	2.75	100	1.38	50	13	2	3-4	
26.82	29.26	2.44	2.44	100	1.07	44	15	3	3	
29.26	30.48	1.22	1.05	86	0.27	22	12	1	3	
30.48	31.70	1.22	0.35	29	0.00	0	??	2	3	rubble
31.70	32.61	0.91	0.87	96	0.00	0	12	2	3	rubble
32.61	33.22	0.61	0.62	102	0.00	0	4	2	3	rubble
33.22	34.14	0.92	0.92	100	0.37	40	9	3	3	
34.14	36.27	2.13	2.00	94	1.26	59	9	3	3	
36.27	38.40	2.13	2.13	100	1.20	56	10	3	3	
38.40	40.23	1.83	1.83	100	1.14	62	8	2	3	
40.23	42.37	2.14	1.98	93	1.52	71	6	2	3	
42.37	44.81	2.44	2.28	93	1.68	69	9	3	3	
44.81	46.94	2.13	2.13	100	1.43	67	12	3	3	
46.94	49.99	3.05	3.05	100	2.49	82	9	3	3	
49.99	51.51	1.52	1.42	93	1.08	71	9	3	3	
51.51	54.56	3.05	3.05	100	2.38	78	10	3	3	
54.56	55.78	1.22	0.97	80	0.48	39	7	3	2	
55.78	56.39	0.61	0.61	100	0.00	0	6	2	2	rubble
56.39	57.91	1.52	1.52	100	0.99	65	10	3	2	rubble

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-03

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
57.91	60.05	2.14	2.05	96	0.63	29	9	2	4	rubble
60.05	62.18	2.13	2.13	100	0.20	9	10	3	4	rubble
62.18	63.70	1.52	1.52	100	0.84	55	6	3	4	rubble
63.70	65.84	2.14	2.01	94	1.00	47	9	2-3	3	
65.84	68.88	3.04	3.04	100	2.81	92	4	3	3	
68.88	71.93	3.05	2.87	94	2.37	78	4	3	3	
71.93	74.98	3.05	3.05	100	2.76	90	4	3	3	
74.98	75.29	0.31	0.31	100	0.31	100	1	3	3	
75.29	78.33	3.04	3.04	100	2.98	98	5	3	3	
78.33	81.38	3.05	3.05	100	2.86	94	6	3	3	
81.38	83.52	2.14	2.14	100	1.71	80	4	3	3	
83.52	85.04	1.52	1.52	100	1.45	95	5	3	3	
85.04	88.09	3.05	3.05	100	3.03	99	3	3	3	
88.09	89.92	1.83	1.83	100	0.72	39	7	3	3	
89.92	92.96	3.04	3.04	100	2.34	77	6	2-3	3	hematite on veins
92.96	96.01	3.05	3.05	100	2.88	94	6	2-3	3	hematite on veins
96.01	97.23	1.22	1.22	100	1.16	95	6	3-4	3	
97.23	100.28	3.05	3.05	100	2.63	86	6	3	3	
100.28	103.33	3.05	3.05	100	2.92	96	8	3	3	
103.33	106.33	3.00	3.05	102	2.65	88	5	3	3	
106.33	109.42	3.09	3.05	99	2.53	82	6	3	3	
109.42	111.86	2.44	2.43	100	1.98	81	5	2	3	
111.86	112.47	0.61	0.61	100	0.00	0	9	3	3	
112.47	115.52	3.05	3.05	100	1.95	64	13	3	3	
115.52	117.04	1.52	1.52	100	1.04	68	9	2	3	
117.04	118.57	1.53	1.53	100	1.40	92	6	3	3	
118.57	121.62	3.05	3.05	100	2.97	97	6	4	3	
121.62	123.75	2.13	2.09	98	1.15	54	6	4	3	
123.75	125.27	1.52	1.52	100	1.33	88	7	4	3	
125.27	127.71	2.44	2.44	100	2.34	96	4	3	3	
127.71	130.15	2.44	2.40	98	2.20	90	4	3	3	
130.15	132.28	2.13	1.98	93	1.77	83	7	4	3	
132.28	133.81	1.53	1.53	100	1.53	100	2	4	3	
133.81	136.86	3.05	3.05	100	2.94	96	3	4	3	
136.86	139.90	3.04	3.05	100	2.49	82	6	4	3	

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-03

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
139.90	142.34	2.44	2.44	100	2.12	87	6	3	3	
142.34	144.78	2.44	2.44	100	1.71	70	8	3	3	
144.78	147.52	2.74	2.74	100	2.55	93	5	3	3	
147.52	149.05	1.53	1.42	93	1.40	92	3	4	3	
149.05	152.10	3.05	3.05	100	2.98	98	5	4	3	
152.10	152.70	0.60	0.46	77	0.28	47	1	3	3	
152.70	154.23	1.53	1.53	100	1.35	88	5	3	3	
154.23	155.14	0.91	0.61	67	0.48	53	5	3	3	
155.14	158.19	3.05	3.05	100	2.43	80	7	4	3	
158.19	159.41	1.22	1.22	100	1.04	85	5	4	3	
159.41	161.24	1.83	1.83	100	1.63	89	4	3	3	
161.24	163.37	2.13	2.13	100	1.87	88	8	4	3	
163.37	166.42	3.05	3.05	100	283.00	9279	7	4	3	
166.42	168.55	2.13	2.13	100	2.06	97	5	3	3	
168.55	170.38	1.83	1.77	97	1.77	97	4	4	3	
170.38	173.43	3.05	3.05	100	2.90	95	6	3	3	
173.43	176.48	3.05	3.05	100	3.01	99	7	4	3	
176.48	179.53	3.05	3.05	100	2.97	97	3	4	3	
179.53	182.58	3.05	3.05	100	3.02	99	5	4	3	
182.58	185.62	3.04	3.04	100	2.61	86	10	4	3	
185.62	187.15	1.53	1.42	93	1.15	75	3	4	3	
187.15	188.67	1.52	1.52	100	1.52	100	2	4	3	
188.67	190.20	1.53	1.53	100	0.94	61	6	3	3	
190.20	192.02	1.82	1.75	96	1.59	87	4	4	3	
192.02	194.77	2.75	2.75	100	2.69	98	5	4	3	
194.77	197.82	3.05	3.05	100	2.70	89	6	4	3	
197.82	200.86	3.04	3.04	100	2.73	90	6	4	3	
200.86	203.91	3.05	3.05	100	2.78	91	5	4	3	
203.91	206.96	3.05	3.05	100	2.88	94	6	4	3	
206.96	210.01	3.05	3.05	100	3.01	99	4	4	3	
210.01	213.06	3.05	3.05	100	2.58	85	4	4	3	
213.06	216.10	3.04	3.04	100	2.74	90	7	3	3	
216.10	219.15	3.05	3.05	100	2.74	90	5	4	3	
219.15	222.20	3.05	3.05	100	2.68	88	4	4	3	
222.20	225.25	3.05	3.05	100	2.56	84	7	4	3	

Mount Polley Mine - Geotechnical Logging

Hole: MP-98-03

From (m)	To (m)	Length (m)	Recovery (m)	Percent (%)	RQD (m)	Percent (%)	Fractures (per run)	Strength	Alteration	Comments
225.25	227.69	2.44	2.44	100	2.04	84	6	3-4	3	
227.69	230.73	3.04	3.04	100	2.96	97	6	5	3	
230.73	233.78	3.05	3.05	100	2.36	77	9	4-5	3	some oxidation
233.78	236.83	3.05	3.05	100	2.62	86	6	5	3	
236.83	239.88	3.05	3.05	100	2.62	86	5	4-5	3	
239.88	240.18	0.30	0.40	133	0.40	133	0	4-5	3	
240.18	243.23	3.05	3.05	100	2.66	87	7	4-5	3	
243.23	245.06	1.83	1.83	100	1.16	63	8	0,3	3	bottom 40cm are very broken
245.06	246.58	1.52	1.53	101	1.02	67	6	3-4	3	
246.58	248.11	1.53	1.46	95	1.17	76	6	1,5	3	
248.11	249.95	1.84	1.83	99	1.04	57	21	1,3	3	
249.95	250.55	0.60	0.61	102	0.43	72	3	2	3	top 53cm - healed fault gouge
250.55	252.68	2.13	2.13	100	0.91	43	5	2	3	

Appendix 6
Analytical Data

MP-98-01 (1)

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"URGENT & CONFIDENTIAL"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #1
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-00995.0 Status : COMPLETE Total number of samples: 49

Element	Method	Totl
Au30	30g Fire Assay - AA	49
Fe	ATOMIC ABSORPTION	49
Cu	ATOMIC ABSORPTION	49
CuSL	ATOMIC ABSORPTION	49

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
RUSH/SPLIT & PULV.	49	DRILL CORE	49	-150	49	
OVERWEIGHT/KG	40					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

LIENT: MOUNT POLLEY MINES
REPORT: V98-00995.0 (COMPLETE)

DATE RECEIVED: 29-JUN-98

PROJECT: PIT DRILLING
DATE PRINTED: 7-JUL-98

AMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
2 145001		65	0.04	0.010	3.77
2 145002		90	0.07	0.017	3.67
D2 145003		104	0.05	0.011	3.60
145004		90	0.06	0.027	2.20
145005		120	0.07	0.016	3.28
2 145006		59	0.04	0.013	3.40
145007		184	0.13	0.023	1.86
2 145008		218	0.18	0.049	2.00
2 145009		74	0.05	0.012	2.94
145010		112	0.07	0.013	3.55
2 145011		152	0.11	0.013	2.72
145012		433	0.27	0.060	2.90
145013		180	0.15	0.038	2.86
145014		211	0.18	0.066	2.56
145015		226	0.22	0.042	3.22
145016		229	0.16	0.036	3.53
145017		372	0.25	0.071	2.95
145018		100	0.06	0.017	3.22
145019		130	0.08	0.017	3.39
145020		157	0.07	0.010	3.25
45021		174	0.10	0.012	3.45
145022		308	0.28	0.073	2.78
145023		251	0.18	0.034	3.17
45024		132	0.09	0.016	2.60
45025		177	0.14	0.028	2.83
145026		193	0.15	0.030	2.86
45027		187	0.14	0.029	2.73
145028		554	0.38	0.150	4.23
145029		525	0.44	0.113	2.32
15030		594	0.47	0.132	1.85
145031		151	0.15	0.026	2.51
45032		269	0.25	0.083	2.19
5033		86	0.09	0.014	3.16
45034		154	0.12	0.022	2.95
45035		185	0.17	0.025	2.59
5036		197	0.20	0.105	1.41
45037		143	0.14	0.066	1.15
5038		203	0.15	0.064	1.25
5039		145	0.13	0.093	1.27
45040		191	0.11	0.089	1.29

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
D2 145041		223	0.13	0.107	1.62
D2 145042		165	0.12	0.073	1.63
D2 145043		118	0.09	0.062	2.35
D2 145044		191	0.15	0.055	1.35
D2 145045		105	0.11	0.073	1.30
D2 145046		52	0.06	0.043	1.58
D2 145047		52	0.06	0.029	1.36
D2 145048		85	0.08	0.017	1.32
D2 145049		91	0.08	0.018	1.74

MP-98-01 ②

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"U R G E N T & C O N F I D E N T I A L"

To: MOBIT POLLEY MINES — Our Fax No: (604) 985-1071

Attention :
Your Fax No: 1-250-790-2268

Reference : SHIPMENT #1
Number of Pages : 2 including this page.

Submitter : C. WILDE

Report : V98-01000.0 Status : COMPLETE Total number of samples: 59

Element	Method	Totl	Element	Method	Totl	Element	Method	Totl
Au30	30g Fire Assay - AA	59	Cu	ATOMIC ABSORPTION	59	CuSL	ATOMIC ABSORPTION	59
Fe	ATOMIC ABSORPTION	59						

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	59	DRILL CORE	59	-150	59	
OVERWEIGHT/KG	37					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES — PROJECT: PIT DRILLING

REPORT: V98-01000.0 (COMPLETE) — DATE RECEIVED: 28-JUN-98 — DATE PRINTED: 7-JUL-98 — PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
2 145050		105	0.08	0.062	1.62	D2 145090		684	0.53	0.072	5.00
D2 145051		58	0.06	0.028	1.90	D2 145091		782	0.94	0.120	7.14
D2 145052		55	0.05	0.016	2.83	D2 145092		49	0.08	0.012	6.69
2 145053		51	0.04	0.007	2.59	D2 145093		2322	0.20	0.021	6.46
2 145054		68	0.06	0.011	3.66	D2 145094		81	0.08	0.013	7.10
2 145055		6	0.01	0.006	7.45	D2 145095		153	0.11	0.027	6.68
2 145056		<5	0.01	0.008	7.40	D2 145096		446	0.34	0.061	6.20
D2 145057		<5	0.02	0.009	7.44	D2 145097		151	0.13	0.025	6.48
D2 145058		6	0.02	0.010	7.43	D2 145098		254	0.18	0.054	7.02
2 145059		118	0.07	0.011	4.18	D2 145099		36	0.02	0.008	7.00
D2 145060		158	0.15	0.018	3.52	D2 145100		180	0.11	0.017	7.13
2 145061		174	0.15	0.014	3.66	D2 145101		89	0.07	0.014	6.89
2 145062		40	0.04	0.005	4.02	D2 145102		87	0.06	0.015	6.84
D2 145063		162	0.13	0.011	4.75	D2 145103		200	0.16	0.022	5.80
D2 145064		42	0.03	0.003	3.50	D2 145104		210	0.17	0.027	5.61
D2 145065		26	0.03	0.005	4.60	D2 145105		125	0.11	0.017	6.18
D2 145066		65	0.04	0.007	3.24	D2 145106		169	0.18	0.028	6.32
2 145067		56	0.05	0.007	6.47	D2 145107		173	0.20	0.037	5.35
2 145068		272	0.29	0.039	3.48	D2 145108		216	0.23	0.049	4.71
D2 145069		69	0.07	0.008	4.86						
2 145070		58	0.05	0.007	6.47						
D2 145071		134	0.12	0.015	2.93						
D2 145072		<5	0.02	0.004	7.02						
2 145073		110	0.09	0.011	4.07						
2 145074		9	<0.01	0.002	5.68						
2 145075		79	0.04	0.007	4.62						
2 145076		<5	0.01	0.006	6.51						
D2 145077		31	0.02	0.004	5.64						
D2 145078		448	0.36	0.040	5.73						
2 145079		510	0.39	0.084	3.90						
D2 145080		205	0.17	0.037	3.99						
2 145081		205	0.21	0.052	4.07						
2 145082		154	0.16	0.022	4.50						
D2 145083		10	0.02	0.010	7.40						
D2 145084		6	0.02	0.010	7.49						
D2 145085		9	0.02	0.010	7.42						
D2 145086		210	0.20	0.028	7.39						
2 145087		278	0.27	0.035	5.83						
2 145088		86	0.07	0.011	7.30						
D2 145089		108	0.10	0.018	6.92						

MP-98-01 (3)

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"U R G E N T & C O N F I D E N T I A L"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #1
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01001.0 Status : COMPLETE Total number of samples: 48

Element	Method	Totl	Element	Method	Totl	Element	Method	Totl
Au30	30g Fire Assay - AA	48	Cu	ATOMIC ABSORPTION	48	CuSL	ATOMIC ABSORPTION	48
Fe	ATOMIC ABSORPTION	48						

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	48	DRILL CORE	48	-150	48	

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
PROJECT: PIT DRILLING
REPORT: V98-01001.0 (COMPLETE)
DATE RECEIVED: 28-JUN-98
DATE PRINTED: 8-JUL-98

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
2 145109		139	0.12	0.037	6.59	D2 145149		160	0.10	0.015	9.14
D2 145110		152	0.14	0.051	4.87	D2 145150		166	0.13	0.014	7.95
2 145111		129	0.11	0.026	5.55	D2 145151		398	0.27	0.029	4.84
2 145112		12	0.03	0.004	6.15	D2 145152		204	0.16	0.019	6.03
D2 145113		<5	<0.01	0.003	4.82	D2 145153		128	0.12	0.015	8.68
2 145114		6	<0.01	0.002	5.07	D2 145154		112	0.13	0.016	5.69
2 145115		<5	<0.01	<0.001	5.95	D2 145155		201	0.22	0.025	3.01
D2 145116		<5	0.01	<0.001	5.96	D2 145156		259	0.29	0.039	3.43
2 145117		26	0.02	0.005	5.11						
2 145118		149	0.10	0.020	4.12						
D2 145119		215	0.20	0.047	3.39						
2 145120		245	0.25	0.058	6.63						
D2 145121		185	0.16	0.057	6.27						
D2 145122		214	0.19	0.034	6.03						
2 145123		179	0.15	0.045	3.82						
D2 145124		182	0.15	0.039	4.42						
2 145125		208	0.17	0.031	5.90						
2 145126		141	0.12	0.035	6.16						
D2 145127		192	0.21	0.041	5.42						
D2 145128		116	0.12	0.031	6.32						
D2 145129		122	0.12	0.023	5.72						
D2 145130		<5	0.01	0.005	7.04						
2 145131		7	0.02	0.006	6.70						
2 145132		123	0.11	0.024	5.70						
D2 145133		197	0.17	0.041	5.06						
2 145134		267	0.19	0.030	6.30						
2 145135		207	0.12	0.023	4.75						
D2 145136		226	0.17	0.028	6.03						
D2 145137		307	0.30	0.035	4.16						
2 145138		217	0.27	0.036	9.46						
D2 145139		168	0.19	0.022	4.48						
2 145140		134	0.12	0.017	10.50						
2 145141		126	0.11	0.014	10.68						
D2 145142		168	0.10	0.017	14.11						
D2 145143		127	0.10	0.015	5.62						
D2 145144		57	0.04	0.007	4.69						
D2 145145		156	0.12	0.016	5.62						
2 145146		188	0.16	0.027	5.19						
2 145147		117	0.08	0.013	3.96						
D2 145148		129	0.10	0.017	4.71						

MP-98-01 (4)

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"U R G E N T & C O N F I D E N T I A L"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #1
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01003.0 Status : COMPLETE Total number of samples: 44

Element	Method	Totl
Au30	30g Fire Assay - AA	44
Fe	ATOMIC ABSORPTION	44
Cu	ATOMIC ABSORPTION	44
CuSL	ATOMIC ABSORPTION	44

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	44	DRILL CORE	44	-150	44	

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
REPORT: V98-01003.0 (COMPLETE)

PROJECT: PIT DRILLING
DATE RECEIVED: 28-JUN-98
DATE PRINTED: 8-JUL-98

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
2 145157		1133	0.14	0.027	7.26	D2 145197		116	0.10	0.029	6.48
D2 145158		146	0.18	0.027	6.48	D2 145198		131	0.10	0.028	5.63
D2 145159		78	0.09	0.022	5.98	D2 145199		276	0.23	0.047	3.32
2 145160		196	0.14	0.048	5.58	D2 145200		1846	0.57	0.077	4.24
2 145161		125	0.13	0.029	5.85						
2 145162		257	0.19	0.046	7.75						
2 145163		66	0.07	0.019	9.89						
D2 145164		105	0.11	0.036	6.20						
D2 145165		152	0.20	0.062	6.11						
2 145166		81	0.11	0.027	6.44						
D2 145167		202	0.24	0.033	7.99						
2 145168		72	0.07	0.014	8.54						
2 145169		86	0.08	0.022	9.25						
D2 145170		189	0.14	0.035	7.92						
D2 145171		474	0.32	0.083	8.02						
D2 145172		103	0.10	0.026	4.43						
D2 145173		313	0.19	0.052	7.81						
2 145174		103	0.13	0.021	5.08						
2 145175		150	0.21	0.034	5.54						
D2 145176		145	0.13	0.024	4.55						
2 145177		99	0.09	0.016	6.22						
D2 145178		142	0.10	0.019	5.72						
D2 145179		107	0.09	0.030	3.79						
2 145180		95	0.11	0.026	5.11						
2 145181		95	0.11	0.025	5.70						
2 145182		94	0.08	0.014	7.62						
2 145183		250	0.12	0.025	7.46						
D2 145184		119	0.14	0.021	5.61						
D2 145185		204	0.16	0.028	5.14						
2 145186		158	0.14	0.023	4.18						
D2 145187		125	0.12	0.024	4.10						
2 145188		264	0.21	0.032	3.89						
2 145189		265	0.22	0.031	5.59						
D2 145190		129	0.11	0.030	4.50						
D2 145191		149	0.14	0.042	4.38						
D2 145192		266	0.23	0.066	2.42						
D2 145193		76	0.05	0.017	9.47						
2 145194		120	0.09	0.030	9.21						
2 145195		42	0.03	0.010	8.69						
D2 145196		101	0.09	0.028	6.74						

MP-98-01 (5)

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"U R G E N T & C O N F I D E N T I A L"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #1
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01019.0 Status : COMPLETE Total number of samples: 17

Element	Method	Totl
Au30	30g Fire Assay - AA	17
Fe	ATOMIC ABSORPTION	17
Cu	ATOMIC ABSORPTION	17
CuSL	ATOMIC ABSORPTION	17

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	17	DRILL CORE	17	-150	17	

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
REPORT: V98-01019.0 (COMPLETE)

DATE RECEIVED: 26-JUN-98

PROJECT: PIT DRILLING
DATE PRINTED: 8-JUL-98

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
? 151501		1195	0.47	0.062	4.70
D2 151502		322	0.24	0.039	4.43
D2 151503		123	0.11	0.020	5.04
? 151504		97	0.09	0.018	4.66
D2 151505		213	0.16	0.051	5.25
? 151506		191	0.16	0.053	5.51
? 151507		319	0.24	0.069	6.09
D2 151508		394	0.23	0.050	5.62
D2 151509		513	0.34	0.082	4.55
? 151510		262	0.21	0.036	5.64
D2 151511		279	0.22	0.038	5.74
? 151512		219	0.19	0.034	5.60
? 151513		119	0.04	0.009	6.96
D2 151514		14	0.02	0.004	6.80
? 151515		21	0.03	0.009	7.12
D2 151516		42	0.02	0.008	7.41
D2 151517		24	0.03	0.009	7.18

MP-98-02 (1)

ITS Intertek Testing Services Bondar Clegg

Vancouver, B.C. Canada

"URGENT & CONFIDENTIAL"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #2
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01062.0 Status : COMPLETE Total number of samples: 80

Element	Method	Totl	Element	Method	Totl	Element	Method	Totl
Au30	30g Fire Assay - AA	80	Cu	ATOMIC ABSORPTION	80	CuSL	ATOMIC ABSORPTION	80
Fe	ATOMIC ABSORPTION	80						

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	80	DRILL CORE	80	-150	80	
OVERWEIGHT/KG	87					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

ITS Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
REPORT: V98-01062.0 (COMPLETE)

PROJECT: PIT DRILLING
DATE RECEIVED: 03-JUL-98
DATE PRINTED: 13-JUL-98

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
2 151518		65	0.05	0.041	5.18	D2 151558		72	0.09	0.075	4.67
D2 151519		48	0.04	0.026	4.72	D2 151559		87	0.08	0.039	4.25
D2 151520		203	0.13	0.071	7.49	D2 151560		22	0.02	0.011	4.56
2 151521		221	0.17	0.086	7.38	D2 151561		35	0.03	0.022	4.94
2 151522		401	0.36	0.131	9.45	D2 151562		91	0.09	0.042	4.32
2 151523		778	0.82	0.100	9.59	D2 151563		108	0.11	0.021	3.36
2 151524		1519	0.86	0.112	10.21	D2 151564		33	0.03	0.005	3.32
D2 151525		1409	0.81	0.142	10.38	D2 151565		137	0.18	0.021	3.22
D2 151526		151	0.15	0.029	9.97	D2 151566		185	0.22	0.062	3.37
2 151527		165	0.19	0.020	9.29	D2 151567		96	0.13	0.058	2.71
D2 151528		46	0.03	0.004	7.25	D2 151568		175	0.17	0.026	2.45
2 151529		282	0.25	0.019	6.02	D2 151569		57	0.06	0.007	2.14
2 151530		309	0.32	0.020	6.78	D2 151570		237	0.26	0.218	2.65
D2 151531		199	0.27	0.014	6.63	D2 151571		193	0.26	0.091	2.58
D2 151532		377	0.43	0.042	9.02	D2 151572		123	0.24	0.107	3.82
D2 151533		292	0.56	0.076	15.16	D2 151573		112	0.22	0.018	3.61
D2 151534		380	0.36	0.036	13.79	D2 151574		159	0.20	0.092	3.20
2 151535		210	0.26	0.045	12.64	D2 151575		106	0.14	0.089	3.10
2 151536		595	0.60	0.119	10.40	D2 151576		297	0.31	0.025	3.59
D2 151537		300	0.41	0.045	8.00	D2 151577		127	0.12	0.010	2.95
2 151538		94	0.12	0.010	5.55	D2 151578		123	0.19	0.017	3.54
D2 151539		64	0.10	0.009	2.72	D2 151579		176	0.18	0.021	3.50
D2 151540		108	0.17	0.013	3.32	D2 151580		162	0.16	0.017	3.61
2 151541		137	0.19	0.020	3.53	D2 151581		214	0.23	0.026	3.69
2 151542		71	0.10	0.044	3.61	D2 151582		168	0.18	0.015	3.11
2 151543		90	0.16	0.073	3.18	D2 151583		164	0.18	0.076	3.63
2 151544		126	0.17	0.107	4.06	D2 151584		243	0.26	0.224	5.70
D2 151545		86	0.11	0.056	4.17	D2 151585		534	0.56	0.351	7.31
D2 151546		100	0.11	0.016	4.73	D2 151586		112	0.14	0.019	6.97
2 151547		84	0.11	0.047	3.28	D2 151587		326	0.33	0.052	5.85
D2 151548		150	0.11	0.039	3.93	D2 151588		204	0.20	0.017	5.98
2 151549		195	0.14	0.030	5.38	D2 151589		194	0.23	0.024	6.07
2 151550		148	0.11	0.015	5.51	D2 151590		168	0.22	0.016	6.50
D2 151551		139	0.10	0.018	5.07	D2 151591		117	0.13	0.009	7.90
D2 151552		63	0.06	0.014	4.14	D2 151592		128	0.16	0.013	5.75
D2 151553		94	0.10	0.016	4.02	D2 151593		7	0.01	0.004	6.98
D2 151554		38	0.04	0.015	3.74	D2 151594		<5	0.01	0.005	7.28
151555		143	0.10	0.083	4.03	D2 151595		<5	0.02	0.002	7.53
151556		73	0.06	0.030	4.48	D2 151596		34	0.06	0.008	6.78
D2 151557		81	0.07	0.044	4.25	D2 151597		147	0.14	0.025	6.60

MP-98-02 (2)

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"URGENT & CONFIDENTIAL"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #2
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01063.0 Status : COMPLETE Total number of samples: 79

Element	Method	Totl
Au30	30g Fire Assay - AA	79
Fe	ATOMIC ABSORPTION	79
Cu	ATOMIC ABSORPTION	79
CuSL	ATOMIC ABSORPTION	79

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	79	DRILL CORE	79	-150	79	
OVERWEIGHT/KG	69					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
REPORT: V98-01063.0 (COMPLETE)

PROJECT: PIT DRILLING
DATE RECEIVED: 03-JUL-98
DATE PRINTED: 14-JUL-98

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
D2 151598		126	0.16	0.046	5.65
D2 151599		146	0.22	0.025	6.36
D2 151600		89	0.14	0.023	6.38
D2 151601		99	0.17	0.024	6.59
D2 151602		186	0.18	0.031	6.03
D2 151603		31	0.07	0.011	7.36
D2 151604		37	0.05	0.007	5.16
D2 151605		41	0.06	0.008	3.10
D2 151606		52	0.08	0.014	5.09
D2 151607		140	0.10	0.027	5.91
D2 151608		19	0.02	0.006	5.83
D2 151609		28	0.03	0.006	6.02
D2 151610		18	0.02	0.004	6.08
D2 151611		70	0.11	0.017	5.82
D2 151612		76	0.09	0.010	6.13
D2 151613		28	0.05	0.008	6.03
D2 151614		79	0.09	0.013	6.11
D2 151615		52	0.06	0.021	6.12
D2 151616		21	0.03	0.010	6.11
D2 151617		18	0.02	0.006	5.92
D2 151618		78	0.12	0.014	4.68
D2 151619		135	0.17	0.022	5.50
D2 151620		102	0.14	0.019	5.83
D2 151621		92	0.12	0.019	5.77
D2 151622		212	0.16	0.024	4.87
D2 151623		182	0.11	0.017	6.25
D2 151624		198	0.14	0.023	5.54
D2 151625		140	0.11	0.019	4.47
D2 151626		201	0.18	0.039	4.35
D2 151627		158	0.14	0.017	4.23
D2 151628		148	0.09	0.012	4.25
D2 151629		75	0.07	0.008	4.45
D2 151630		204	0.21	0.034	4.06
D2 151631		242	0.26	0.037	4.10
D2 151632		156	0.17	0.025	4.47
D2 151633		30	0.04	0.010	5.66
D2 151634		47	0.06	0.010	4.61
D2 151635		43	0.05	0.008	6.45
D2 151636		44	0.09	0.014	6.38
D2 151637		104	0.10	0.015	5.13
D2 151638		74	0.17	0.023	5.05
D2 151639		134	0.16	0.023	5.34
D2 151640		202	0.21	0.025	4.98
D2 151641		345	0.31	0.030	5.12
D2 151642		176	0.20	0.024	6.67
D2 151643		43	0.05	0.008	6.03
D2 151644		78	0.12	0.019	5.78
D2 151645		215	0.22	0.036	6.25
D2 151646		129	0.16	0.036	5.99
D2 151647		391	0.45	0.155	5.54
D2 151648		423	0.37	0.066	7.54
D2 151649		395	0.29	0.039	5.88
D2 151650		165	0.22	0.025	5.30
D2 151651		833	0.53	0.091	5.26
D2 151652		292	0.29	0.038	5.62
D2 151653		194	0.21	0.030	6.91
D2 151654		159	0.18	0.021	4.82
D2 151655		457	0.52	0.048	7.40
D2 151656		153	0.33	0.034	6.65
D2 151657		225	0.35	0.047	7.41
D2 151658		64	0.09	0.020	6.84
D2 151659		208	0.23	0.077	7.14
D2 151660		96	0.11	0.037	7.14
D2 151661		106	0.14	0.046	6.90
D2 151662		66	0.10	0.027	7.41
D2 151663		137	0.14	0.029	5.95
D2 151664		133	0.19	0.027	4.91
D2 151665		1038	0.50	0.112	6.22
D2 151666		87	0.12	0.037	5.81
D2 151667		244	0.19	0.035	6.57
D2 151668		288	0.23	0.047	5.54
D2 151669		140	0.16	0.044	5.50
D2 151670		140	0.12	0.026	5.48
D2 151671		221	0.19	0.045	5.18
D2 151672		100	0.11	0.028	5.54
D2 151673		76	0.11	0.023	8.03
D2 151674		64	0.11	0.021	7.61
D2 151675		63	0.08	0.016	7.57
D2 151676		18	0.04	0.012	7.44

MP-98-03 (1)

Geochemical Lab Report

Vancouver, B.C. Canada

"U R G E N T & C O N F I D E N T I A L"

To: MOUNT POLLEY MINES Our Fax No: (604) 985-1071
Attention :
Reference : SHIPMENT #3 Your Fax No: 1-250-790-2268
Submitter : C. WILDE Number of Pages : 2 including this page.

Report : V98-01111.0 Status : COMPLETE Total number of samples: 49

Element	Method	Totl	Element	Method	Totl	Element	Method	Totl
Au30	30g Fire Assay - AA	49	Cu	ATOMIC ABSORPTION	49	CuSL	ATOMIC ABSORPTION	49
Fe	ATOMIC ABSORPTION	49						

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	48	DRILL CORE	49	-150	49	
OVERWEIGHT/KG	49					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Geochemical Lab Report

CLIENT: MOUNT POLLEY MINES
REPORT: V98-01111.0 (COMPLETE)
PROJECT: PIT DRILLING
DATE RECEIVED: 07-JUL-98
DATE PRINTED: 15-JUL-98
PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
D2 151677		183	0.17	0.139	5.54	D2 151717		238	0.19	0.063	3.09
D2 151678		274	0.19	0.164	3.07	D2 151718		196	0.14	0.019	4.73
D2 151679		506	0.39	0.385	6.59	D2 151719		306	0.24	0.038	3.98
D2 151680		342	0.24	0.178	5.21	D2 151720		370	0.32	0.043	3.37
D2 151681		459	0.31	0.258	5.62	D2 151721		387	0.31	0.046	3.40
D2 151682		747	0.36	0.318	9.19	D2 151722		374	0.25	0.028	3.68
D2 151683		522	0.24	0.173	5.92	D2 151723		695	0.48	0.063	3.43
D2 151684		594	0.26	0.230	6.78	D2 151724		270	0.18	0.021	3.26
D2 151685		381	0.19	0.166	4.00	D2 151725		266	0.18	0.022	4.94
D2 151686		687	0.46	0.459	3.86						
D2 151687		756	0.41	0.345	6.22						
D2 151688		758	0.50	0.500	3.57						
D2 151689		754	0.49	0.328	5.28						
D2 151690		378	0.30	0.247	5.35						
D2 151691		212	0.14	0.112	4.06						
D2 151692		141	0.13	0.113	2.61						
D2 151693		199	0.16	0.142	3.78						
D2 151694		293	0.19	0.169	6.00						
D2 151695		376	0.25	0.238	5.84						
D2 151696		22	0.06	0.057	7.33						
D2 151697		21	0.05	0.047	7.12						
D2 151698		76	0.06	0.055	7.02						
D2 151699		429	0.27	0.254	5.31						
D2 151700		74	0.09	0.076	6.90						
D2 151701		33	0.05	0.045	6.85						
D2 151702		6	0.03	0.027	8.13						
D2 151703		<5	0.01	0.012	8.37						
D2 151704		6	0.01	0.014	8.35						
D2 151705		262	0.24	0.233	5.56						
D2 151706		421	0.26	0.189	4.56						
D2 151707		27	0.04	0.022	6.88						
D2 151708		16	0.03	0.024	6.77						
D2 151709		87	0.07	0.060	3.33						
D2 151710		163	0.14	0.133	4.26						
D2 151711		146	0.15	0.137	4.47						
D2 151712		172	0.15	0.137	5.43						
D2 151713		117	0.11	0.095	5.03						
D2 151714		103	0.10	0.090	2.95						
D2 151715		171	0.15	0.132	3.64						
D2 151716		316	0.17	0.156	5.48						

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

MP-98-03 (2)

ITS Intertek Testing Services Bondar Clegg

Vancouver, B.C. Canada

"URGENT & CONFIDENTIAL"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #3
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01114.0 Status : COMPLETE Total number of samples: 61

Element	Method	Totl	Element	Method	Totl	Element	Method	Totl
Au30	30g Fire Assay - AA	61	Cu	ATOMIC ABSORPTION	61	CuSL	ATOMIC ABSORPTION	61
Fe	ATOMIC ABSORPTION	61						

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	48	DRILL CORE	61	-150	61	
OVERWEIGHT/KG	71					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
REPORT: V98-01114.0 (COMPLETE)

PROJECT: PIT DRILLING
DATE RECEIVED: 08-JUL-98
DATE PRINTED: 16-JUL-98

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
? 151726		682	0.53	0.064	4.72	D2 151766		148	0.13	0.020	5.79
D2 151727		169	0.13	0.017	5.14	D2 151767		197	0.19	0.027	7.32
D2 151728		277	0.22	0.038	5.04	D2 151768		201	0.20	0.028	5.93
? 151729		381	0.30	0.039	4.74	D2 151769		124	0.10	0.015	4.58
? 151730		278	0.23	0.033	3.38	D2 151770		123	0.10	0.016	5.07
? 151731		97	0.08	0.012	3.03	D2 151771		90	0.09	0.035	4.98
? 151732		178	0.13	0.030	3.32	D2 151772		82	0.10	0.023	3.53
D2 151733		63	0.07	0.049	3.62	D2 151773		74	0.08	0.013	5.17
D2 151734		160	0.14	0.031	4.61	D2 151774		124	0.09	0.015	4.85
? 151735		284	0.23	0.054	4.28	D2 151775		180	0.13	0.018	5.20
D2 151736		251	0.15	0.018	4.43	D2 151776		91	0.07	0.013	4.68
? 151737		375	0.30	0.040	5.35	D2 151777		111	0.08	0.016	4.26
? 151738		228	0.18	0.023	3.80	D2 151778		61	0.05	0.010	3.04
D2 151739		457	0.45	0.063	5.27	D2 151779		91	0.07	0.008	3.19
D2 151740		206	0.15	0.028	4.60	D2 151780		77	0.08	0.009	5.24
D2 151741		239	0.21	0.033	4.52	D2 151781		56	0.07	0.008	5.49
D2 151742		345	0.28	0.037	5.51	D2 151782		92	0.13	0.015	4.65
? 151743		397	0.30	0.048	3.85	D2 151783		60	0.06	0.012	6.00
? 151744		203	0.18	0.025	4.95	D2 151784		114	0.09	0.012	2.26
D2 151745		339	0.19	0.026	4.72	D2 151785		53	0.07	0.008	5.17
? 151746		449	0.21	0.032	6.23	D2 151786		<5	0.02	0.011	6.82
D2 151747		244	0.21	0.030	4.19						
D2 151748		154	0.15	0.024	5.26						
? 151749		14	0.02	0.005	1.33						
? 151750		7	0.01	0.003	1.34						
? 151751		90	0.08	0.014	2.44						
? 151752		135	0.12	0.019	4.67						
D2 151753		93	0.09	0.013	3.48						
D2 151754		78	0.05	0.009	4.57						
? 151755		310	0.25	0.028	5.74						
D2 151756		94	0.08	0.010	5.68						
? 151757		106	0.11	0.013	5.38						
? 151758		212	0.18	0.021	7.33						
D2 151759		185	0.15	0.022	3.49						
D2 151760		68	0.06	0.015	2.94						
D2 151761		63	0.06	0.014	2.91						
D2 151762		219	0.18	0.026	4.65						
? 151763		127	0.13	0.019	6.36						
? 151764		82	0.08	0.065	4.47						
D2 151765		116	0.12	0.018	4.52						

MP-98-03 (3)

Intertek Testing Services
Bondar Clegg

Vancouver, B.C. Canada

"U R G E N T & C O N F I D E N T I A L"

To: MOUNT POLLEY MINES
Attention :
Reference : SHIPMENT #3
Submitter : C. WILDE

Our Fax No: (604) 985-1071
Your Fax No: 1-250-790-2268
Number of Pages : 2 including this page.

Report : V98-01115.0 Status : COMPLETE Total number of samples: 62

Element	Method	Totl	Element	Method	Totl	Element	Method	Totl
Au30	30g Fire Assay - AA	62	Cu	ATOMIC ABSORPTION	62	CuSL	ATOMIC ABSORPTION	62
Fe	ATOMIC ABSORPTION	62						

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	62	DRILL CORE	62	-150	62	
OVERWEIGHT/KG	73					

Notes:

If you do not receive the entire transmission in legible form, please call us at (604) 985-0681.

Intertek Testing Services
Bondar Clegg

CLIENT: MOUNT POLLEY MINES
PROJECT: PIT DRILLING
REPORT: V98-01115.0 (COMPLETE)
DATE RECEIVED: 08-JUL-98
DATE PRINTED: 17-JUL-98
PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PCT	CuSL PCT	Fe PCT
? 151787		6	0.01	0.003	7.49	D2 151827		129	0.10	0.017	3.72
D2 151788		133	0.12	0.023	4.67	D2 151828		260	0.15	0.079	3.84
D2 151789		182	0.12	0.026	4.53	D2 151829		261	0.16	0.106	4.39
? 151790		289	0.19	0.040	5.07	D2 151830		150	0.08	0.060	4.38
? 151791		226	0.14	0.039	4.80	D2 151831		225	0.18	0.025	4.00
? 151792		205	0.14	0.030	4.77	D2 151832		294	0.23	0.031	4.23
? 151793		146	0.17	0.032	5.55	D2 151833		647	0.46	0.071	4.56
D2 151794		340	0.28	0.050	5.09	D2 151834		219	0.13	0.068	4.56
D2 151795		103	0.08	0.027	4.83	D2 151835		277	0.25	0.045	4.67
? 151796		73	0.06	0.012	4.46	D2 151836		170	0.12	0.046	4.41
D2 151797		154	0.12	0.018	5.02	D2 151837		244	0.14	0.023	4.13
? 151798		318	0.31	0.043	4.54	D2 151838		687	0.26	0.040	3.72
? 151799		201	0.24	0.035	4.02	D2 151839		103	0.09	0.027	5.96
D2 151800		227	0.23	0.034	4.60	D2 151840		127	0.11	0.030	5.76
D2 151801		268	0.23	0.037	4.60	D2 151841		149	0.14	0.032	5.38
D2 151802		247	0.23	0.049	4.67	D2 151842		86	0.08	0.011	5.56
D2 151803		244	0.24	0.034	4.75	D2 151843		139	0.10	0.024	4.45
? 151804		143	0.16	0.024	3.98	D2 151844		144	0.10	0.016	5.00
? 151805		79	0.07	0.037	4.19	D2 151845		250	0.20	0.036	5.01
D2 151806		102	0.10	0.012	4.57	D2 151846		<5	<0.01	0.003	4.94
? 151807		436	0.29	0.044	4.69	D2 151847		<5	<0.01	0.003	4.86
D2 151808		153	0.13	0.019	4.53	D2 151848		<5	<0.01	<0.001	5.36
D2 151809		137	0.13	0.016	4.32						
? 151810		202	0.19	0.026	4.74						
? 151811		193	0.21	0.037	4.83						
? 151812		141	0.12	0.018	4.79						
? 151813		111	0.09	0.014	4.23						
D2 151814		122	0.10	0.037	4.28						
D2 151815		125	0.10	0.035	3.46						
? 151816		180	0.13	0.017	3.42						
D2 151817		113	0.08	0.009	2.94						
? 151818		109	0.10	0.011	4.21						
? 151819		149	0.14	0.022	4.69						
D2 151820		109	0.08	0.034	4.75						
D2 151821		94	0.08	0.033	4.89						
D2 151822		150	0.15	0.051	5.14						
D2 151823		378	0.27	0.238	3.53						
? 151824		133	0.11	0.039	4.31						
? 151825		236	0.28	0.076	4.58						
D2 151826		318	0.25	0.047	3.87						

MP-98-01

TCu (%)	Au (gpt)	Rock
.248	.260	10.
.212	.230	10.
.191	.220	10.
.217	.230	10.
.274	.370	10.
.153	1.930	10.
.188	.320	10.
.150	.230	10.
.139	.230	10.

0.21% TCu, 0.28 gpt Au, 25.4% oxide

0.35 % TCu, 0.43 gpt Au, 30.9 % oxide

Sheared

0.28% TCu, 0.35 gpt Au, 17.8% oxide

0.23% TCu, 0.24 gpt Au, 14.8% oxide

0.29% TCu, 0.55 gpt Au, 15.6% oxide

0.17 % TCu, 0.28 gpt Au, 16.4 % oxide

0.16 % TCu, 0.19 gpt Au, 20.1 % oxide

0.23% TCu, 0.38 gpt Au, 15.1% oxide

Cariboo Pit Fault (inferred)

Augite Porphyry Dykes

Diorite

Intrusion Breccia + Plagioclase Porphyry

Rock

10 - Breccia

21 - Diorite

MP-133 MP-056 MP-024 S-238 MP-195 PS-004 MP-98-01

map scale

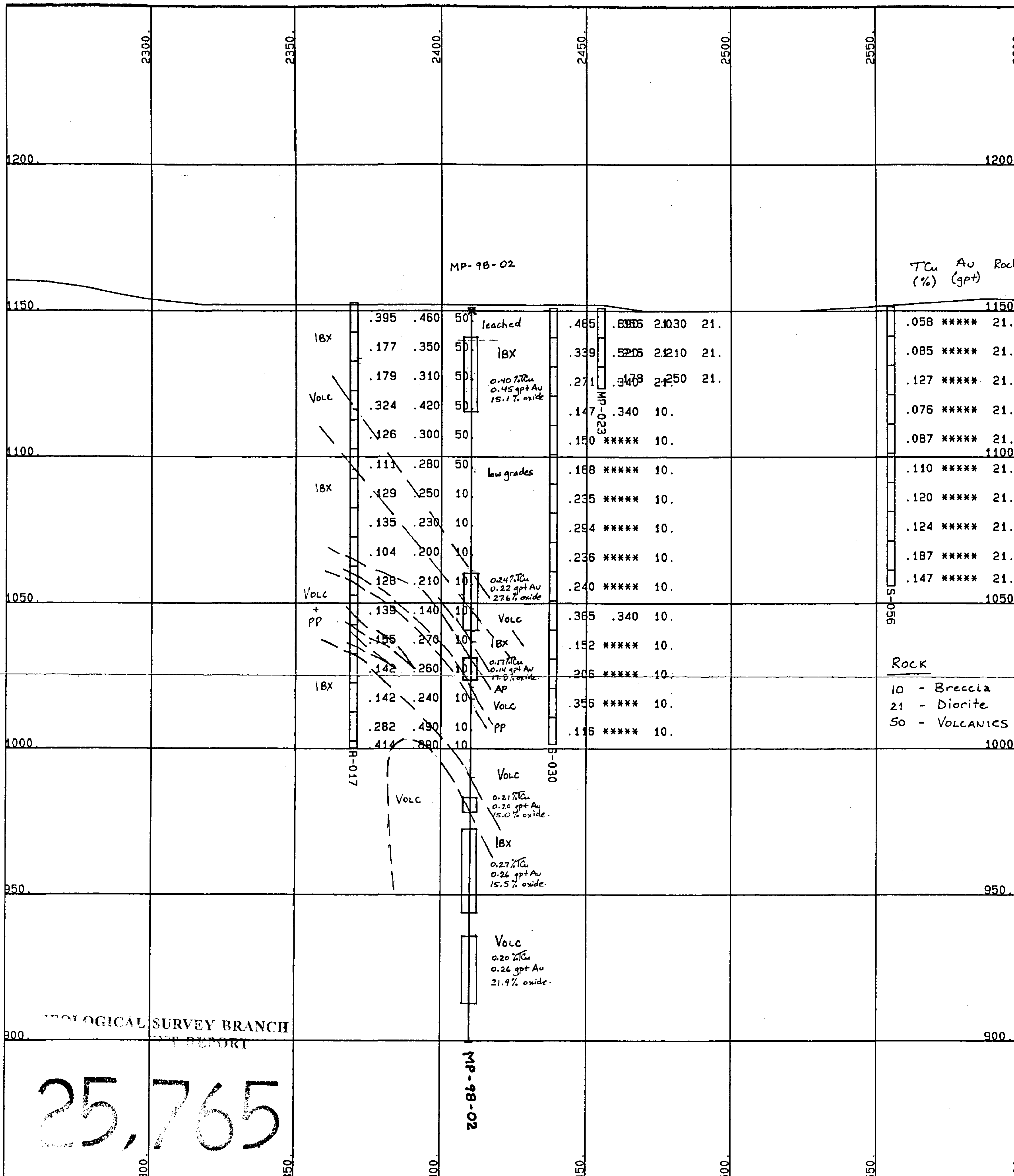
0 10 20 30 40 50 60 70

REVISIONS	No	DATE	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
09-11-98	CJW		

Mt Polley Mine: Cariboo Pit Section 3750

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:1000.M	Figure 5



map scale

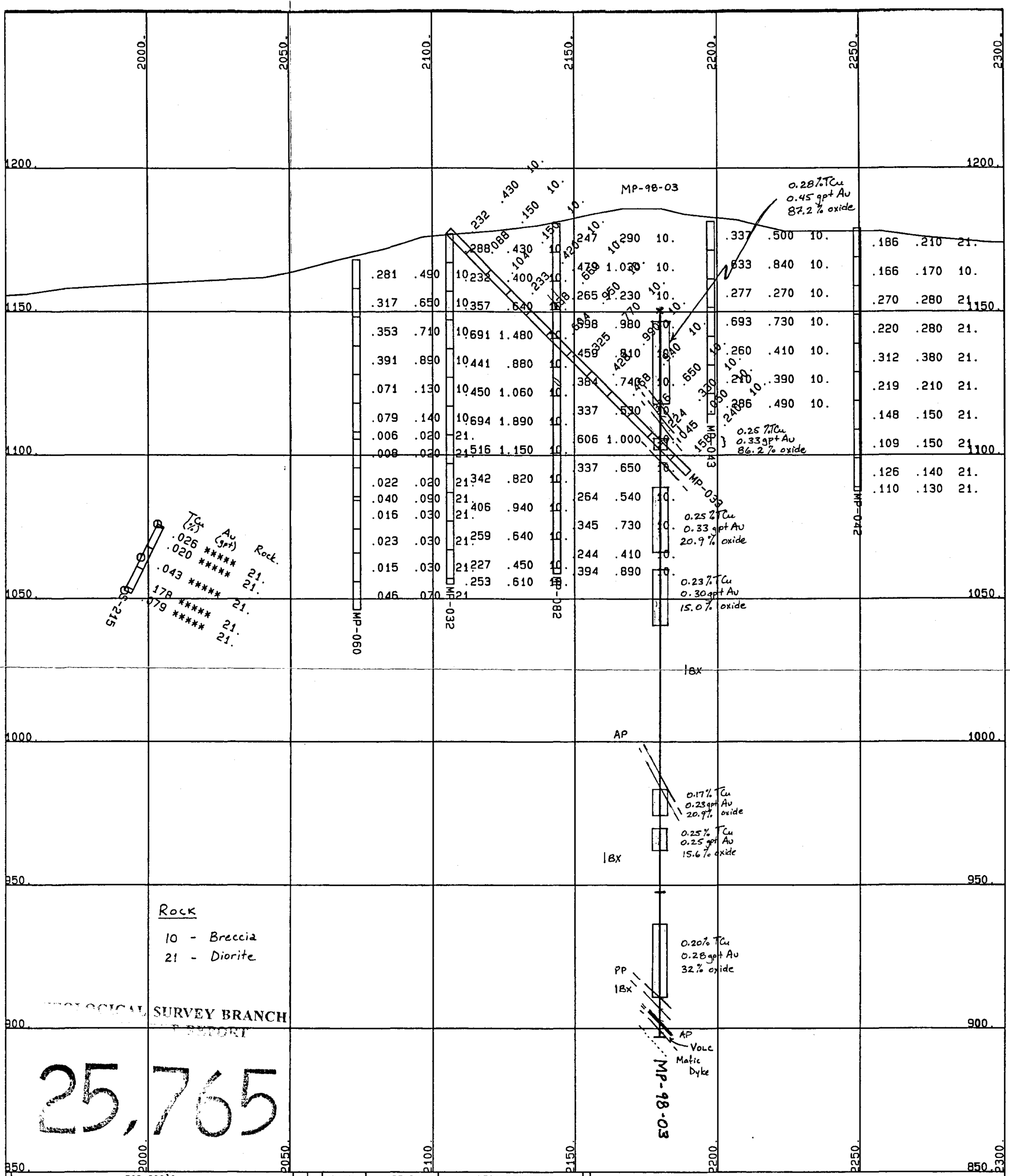
0 10 20 30 40 50 60 70

REVISIONS No	DATE	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
09-11-98	CJW		

Mt Polley Mine: Cariboo Pit
Section 3120

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 1000.M	Figure 6



Rock

10 - Breccia

21 - Diorite

map scale

0 10 20 30 40 50 60 70

REVISIONS	No	DATE	MADE BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
09-11-98	CJW		

Mt Polley Mine: Cariboo Pit
Section 3340

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1:1000.M	Figure 7