Assessment Report

on

2001
Percussion and Diamond Drilling

at

Mount Polley Mine

Cariboo Mining Division

N.T.S. 93A/12E
Latitude 52^0 33' N
Longitude 121^0 38' W

Owner:
Mount Polley Mining Corporation
Box 12
Likely, B.C.
V0L 1N0

Volume 2 – Drill Logs and Assay Certificates
Core Holes MP-01-*

Vivian F. Park, P. Geo.
Mine Geologist

29 July 2001

DRILL LOGS

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-37

Zone	C Pit - east SHG	Easting	2308.7	Drilled By	F. Boisvenu Drilling
Length (m)	71.9	Northing	3196.0	Logged By	V. Park
		Elevation	1079.8	Comments	

Depth	Az	Dip	Survey Type
0.0	160	-65	Head Set

Lithology

From	To	LITH	Description
0.0	11.0	CA	Casing; no recovery.
11.0	17.4	BX	Breccia; mottled pink and grey; volcanic and monzonite/diorite clasts in monzonitic to dioritic matrix; strong igneous and breccia textures; intensely broken due to blasting (=sub-grade for 1070 bench) and also due to what look like small (dm-scale) fault/fault breccias. Potassic alteration in patches and around veinlets and semi-pervasive throughout; abundant secondary biotite; sericitic, bleached envelopes <1cm around hairline quartz veinlets (best seen in volcanic (aphanitic to plagioclase porphyry) clasts. Quartz and calcite as veinlets, swirls, cement. Intensely magnetitic - disseminated and in clots, cement in micro breccia bands, stringers, clots, wisps etc. - it's everywhere! Abundant chalcopyrite, disseminated to massive in same occurrences as and intergrown with magnetite; usually fresh but occasionally partially oxidized; easily evident in all core fragments. Gorgeous rock!! From 15.4 m: more competent; less mineralized; very similar to breccia below 46.3 m.
17.4	23.4	BX	Breccia; mostly pink (with orange) equigranular monzonite to plagioclase porphyry (PPp) with clasts and matrix of similar composition; distinctly different than 11.0 - 17.4 m; minor heterolithology; intensely fractured and broken - related to blast (?) and ground. Strongly oxidized with many limonitic fractures and some associated limonitic and hematitic staining of groundmass, decreasing slightly to lower contact. Strong K-alteration, pervasive to selective depending; abundant secondary biotite. Intensely magnetitic locally, but some magnetite is oxidized; disseminated throughout but also as wisps, stringers, veinlets and cement - hairline stockwork locally. Most fractures show chrysocolla or malachite and some chalcopyrite is intergrown with magnetite. Funny oxidized interval - fault?

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
11.0	13.0	73126	0.787	0.054	1.72	12.90
13.0	14.0	73127	1.394	0.064	1.18	11.40
14.0	15.4	73128	0.959	0.035	0.82	13.60
15.4	17.4	73129	0.317	0.030	0.20	3.11
17.4	19.0	73130	0.309	0.264	0.31	5.25
19.0	20.2	73131	0.549	0.375	0.92	8.94
20.2	21.5	73132	0.677	0.234	0.96	8.02
21.5	23.4	73133	0.207	0.146	0.24	6.71
23.4	24.9	73134	0.042	0.021	0.06	4.46
24.9	26.5	73135	0.062	0.025	0.03	4.85
26.5	28.3	73136	0.061	0.030	0.03	4.74
28.3	30.9	73137	0.070	0.007	0.06	4.98
30.9	31.5	73139	0.040	0.014	0.01	20.00
31.5	32.3	73140	0.015	0.008	0.01	13.80
32.3	33.3	73141	0.421	0.017	0.71	8.29
33.3	35.8	73142	0.297	0.019	0.64	7.61
35.8	37.6	73143	0.160	0.010	0.23	6.08
37.6	38.8	73144	0.271	0.015	0.47	7.23
38.8	40.8	73145	0.080	0.006	0.13	3.94
40.8	42.8	73146	0.090	0.004	0.10	4.78
42.8	44.5	73147	0.073	0.003	0.09	5.03
44.5	46.3	73148	0.108	0.005	0.13	4.61
46.3	47.3	73149	0.205	0.013	0.16	3.52
47.3	48.7	72601	0.204	0.047	0.23	5.96
48.7	50.4	72602	0.170	0.035	0.34	3.84
50.4	51.8	72603	0.263	0.042	0.44	4.98
51.8	52.9	72604	0.198	0.026	0.27	3.32
52.9	53.8	72605	0.172	0.015	0.24	3.59
53.8	56.1	72606	0.177	0.032	0.20	6.06
56.1	57.6	72607	0.234	0.059	0.30	7.00
57.6	58.9	72608	0.421	0.330	0.99	5.42
58.9	59.9	72609	0.349	0.067	0.77	6.07

Lithology

From	To	LITH	Description
23.4	30.9	BX	Breccia - barely; pink-grey, grey-green, then all grey equigranular monzonite to diorite intrusive with cm to mm-scale angular volcanic xenoliths/clasts and rare monzonite and/or dioritic clasts; strong dark and light mottling due to varying lithology and alteration; abundant splotchy concentrations of secondary biotite; intensely fractures, with main adulatory fracture orientation sub-parallel to core axis. Chlorite>weak K-alteration with ubiquitous sericitization; several oxidized fractures. Disseminated magnetite and rare magnetite veinlets. No visible sulfides. Blech. Sharply into:
30.9	32.3	FAULT	Fault; salmon-pink and black; breaks with dm-spaced regularity; intensely potassic monzonite clasts in a magnetite-quartz matrix; slightly softer and more incompetent than adjacent units. >50% magnetite in every possible occurrence. Chalcopyrite intergrown with magnetite and not super obvious.
32.3	35.8	MZ	Monzonite to diorite; equigranular, medium grained (1-2mm); pink-grey with strong black speckling due mostly to abundant disseminated biotite + magnetite and minor hornblende and amphibole; occasional angular xenoliths (mafic intrusive and volcanic) <1-2cm; sharp contacts. Moderate semi-pervasive to selective K-alteration; chlorite and calcite in fractures; occasional oxidation. Disseminated magnetite throughout. No visible sulfides. (Ho hum!)
35.8	37.6	BX	Breccia; pink-grey equigranular monzonite (as 32.3 - 35.8 m) with large (>10cm sometimes)) irregular PPp clasts with intense salmon-pink K-alteration and several angular, very fine-grained black volcanic clasts; sharp contacts; good igneous and breccia textures. Potassic alteration dominates - pervasive to semi-pervasive in matrix, intense in PPp clasts and moderate to intense as sub-cm alteration envelopes around sub-mm quartz veinlets; abundant biotite. Strongly magnetitic - disseminated and also as hairline stringers and veinlets (often with quartz) and as mm-scale clots. Hairline quartz veinlets, usually parallel at sub-dm spacing; host magnetite and chalcopyrite occasionally; potassic alteration envelopes. Chalcopyrite seen in quartz-magnetite <2-3mm - obvious but not abundant; also seen, in minor amounts, in magnetite clots.
37.6	38.8	BX	Pink-grey equigranular monzonite to diorite (as 32.3 - 35.8 m) with dm-size clasts/xenoliths of fine-grained, equigranular to subtle plagioclase porphyry volcanic; barely considered a breccia. Moderate to strong, sub-pervasive K-alteration; abundant biotite. Disseminated magnetite and rare magnetite wisps/stringers. Bleh; transitional into:

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
59.9	60.4	72610	1.986	0.105	4.42	13.70
60.4	61.6	72611	1.568	0.094	2.82	8.71
61.6	63.8	72613	0.328	0.028	0.50	5.87
63.8	64.7	72614	0.226	0.040	0.32	4.60
64.7	65.9	72615	0.217	0.150	0.29	4.64
65.9	66.9	72616	0.126	0.025	0.16	3.96
66.9	68.5	72617	0.220	0.025	0.29	5.78
68.5	69.9	72618	0.122	0.008	0.11	5.42
69.9	71.9	72619	0.185	0.011	0.28	5.03

Lithology

From	To	LITH	Description
32.9	46.3	MZ	Monzonite to diorite; medium greenish-grey with weak pink patches; equigranular medium-grained (102mm); abundant biotite; occasional sub-cm, sub-angular volcanic xenoliths; competent core with dm to m-spaced fractures. Chlorite (+epidote) after mafic minerals as dominant alteration; potassic alteration is weak, very selective and localized; rare fractures are limonitic. Strong disseminated magnetite and occasional hairline to sub-cm magnetite veinlets in widely spaced but regular parallel alignment. Occasional milky quartz veinlets rotated from magnetite veinlets. No visible sulfides. From 46.0 m: increased xenoliths, rare potassic monzonitic clasts, increased magnetite veining and larger milky quartz veinlets with sub-mm magnetite selvages.
46.3	57.6	BX	Breccia; highly variable from sample to sample; shades of black, pink, green, green-grey and grey depending on rock and alteration types; in general, breccia consists of large clasts of black, aphanitic to plagioclase phyric volcanic, clasts of grey crowded porphyry, variably fresh to potassic monzonite/diorite, equigranular to plagioclase phyric (PPp) clasts in a speckled black, pink and grey monzonitic equigranular matrix (as 32.3 - 35.8 m). Magnetitic throughout - usually disseminated, but also as stringers, veinlets etc. K-alteration ranges from pervasive to selective to restricted to mm-scale alteration envelopes around hairline quartz veinlets/stringers (best seen where dominant lithology is intrusive); greenish and bleached-looking sub-cm alteration envelopes around numerous irregular hairline to mm-scale quartz veinlets (best seen in sections where volcanic clasts dominate). Definitely different-looking than breccia that is usually mineralized - more heterolithic and much more colourful - but similar to 11.0 - 17.4 m, but not as visibly mineralized. Visible chalcopyrite is rare and is associated with magnetite. 46.3 - 47.3 m: clast-supported - mostly large grey polka-dotted (sericitic feldspar phenocrysts <1-2mm) volcanic. 47.3 - 51.8 m: equal volcanic clasts and intrusive (clasts and groundmas) composition; very colourful. 51.8 - 53.8 m: as 46.3 - 47.3 m: rubble at 52.9 m. 53.8 - 56.1 m: strong black and pink mottling; increased k-spar and secondary biotite in monzonite matrix; decreasing volcanic fragments; significantly increased magnetite; magnetite veinlets <1mm to 1cm, usually parallel (cm to dm spacing) and rare localized stockwork; undulatory quartz veinlets <6mm with magnetitic selvages; significantly increased (I can't estimate amount) chalcopyrite intergrown with magnetite, especially in larger magnetite veinlets and in magnetitic selvages of quartz veining; nice-looking interval. 56.1 - 57.6 m: as 53.8 - 56.1 m, but with much stronger potassic alteration and a more brecciated/tectonized appearance.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
57.6	60.4	FAULT	Fault breccia; varying shades of light green, grey, black and pink; clasts of dark grey to black, aphanitic, angular volcanic clasts <1dm, rounded and irregular monzonitic clasts in a monzonitic (+mt +/- qz) matrix; contacts are somewhat arbitrary, but interval stands out due to its different alteration; very tectonized and crappy-looking - especially where faulting is most evident. Green epidotic alteration is most evident as semi-pervasive clots - decreases to end of interval, especially after 58.9 m: streaky oxidation with associated staining in fractures to 58.9 m; pink K-alteration is very weak and very localized to 58.9 m, then shows as intense alteration in some clasts, then as fracture-related envelopes and steadily increasing to end of interval; possible albitization; definite strong silicification and silica as matrix/cement. Intensely magnetitic - occurs in all clast types, as clots in matrix and as intra and interclast blebs, wisps, lenses, squiggles etc. - usually forms a dense spidery stockwork; some magnetitic breccia bands >1.5 cm; associated with secondary quartz and host sulfides. Obvious copper mineralization; where oxidized, green malachite and blue-green chrysocolla occur as mm-scale clots in magnetitic areas and fractures; shiny unoxidized chalcopyrite is seen in magnetitic fractures/stringers/clots and disseminated with and intergrown with magnetite in groundmass of some clasts; chalcopyrite is ubiquitous and often intense; NICE LOOKING interval! 57.6 - 58.9 m: strong green; very tectonized but mostly healed; oxidation (limonite) as stringers and fractures <1mm to >1.5cm, interclast - envelopes of orange-brown staining; silicified; strongly magnetitic squiggly hairline stockwork; obvious and abundant (5-10% locally) mm-scale malachite>chrysocolla in magnetitic concentrations and in silicified sections, usually peripheral to magnetite; broken and rubbly at 58.1 m. 58.9 - 59.9 m: healed multi-lithic breccia with equally mixed k-spar and epidote; subtle weak to moderate sub-mm quartz stockwork; fine disseminated magnetite and some sub-mm stringers; magnetite also as localized, disseminated but concentrated, clots in equigranular monzonitic clasts - intergrown with fresh chalcopyrite; other obvious chalcopyrite also as 1-2mm veinlets with quartz and magnetite; still a decent-looking interval. 59.9 - 60.4 m: as 57.6 - 58.9 m and 58.9 - 59.9 m, but extremely tectonized; cement/matrix is mostly magnetite>quartz, and rock crumbles along clast and stockwork boundaries; K-alteration>epidote; intensely magnetitic; 10-20% chalcopyrite locally, occurs with magnetite (+/- qz) in clots and veinlets to 1cm and in numerous wisps, stringers, fractures etc,; very crumbly; YUM!

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
60.4	68.5	BX	Breccia; variable appearance from sample to sample; localized faulting; generally consists of aphanitic volcanic (usually angular and <1cm to 1dm) and/or pink or grey monzonite in a similar equigranular to plagioclase phyric matrix. Variable potassic alteration - localized in clasts , as envelopes around some veinlets/fractures and sometimes pervasive; localized silicification; minor albite, epidote and chlorite. Intensely magnetitic - as clots, disseminations, wisps, veinlets etc. Ubiquitous moderate to locally strong clear to milky quartz stockwork. Localized oxidation. Disseminated and stringy chalcopyrite - minor visible quantities - always associated with magnetite +/- quartz; nice-looking locally. 60.4 - 61.1 m: much as 58.9 - 59.9 m. 61.1 - 61.6 m: fault?; increased K-alteration; mm to cm-spaced, parallel and conjugate sets of magnetitic veinlets - strong structures; some magnetitic veinlets >1cm and interclast clots >1cm; 10-20 fresh chalcopyrite intergrown with magnetite in all occurrences; crumbly and fractures; minor oxidation on broken surfaces; yummy. 61.6 - 63.8 m: mostly grey; abundant volcanic clasts in greyish dioritic matrix; localized K-alteration; ubiquitous but not dense quartz veinlets with sericitic bleached selvages; magnetitic; very rare visible sulfides; dull-looking. 63.8 - 64.7 m: as 61.6 - 63.8 m, but with decreasing clasts and greyish diorite (to monzonite) matrix with selective K-alteration dominates; not fractured. 64.7 - 65.9 m: and 63.8 - n64.7 m, but with ubiquitous greenish hue due to chlorite, sericite>epidote; strong silicification locally; K-aletration as mm-scale alteration envelopes and as larger clasts/clumps of salmon-pink PPp; ubiquitous strong magnetite; clay+limonte+hematite in most fractures plus cm-scale staining (after magnetite). 65.9 - 68.5 m: as 63.8 - 64.7 m; volcanic clasts usually sub-cm; intense K-alteration locally, within intrusive clasts and in monzonitic matrix; spotty chlorite, epidote; ubiquitous sericite; quartz and magnetite staining throughout - often in regular conjugate sets; strong pink and grey mottling; locally silicified; chalcopyrite is difficult to see and is always associated with magnetite and quartz. 68.3- 68.5 m: broken with clay>>limonite in fractures
68.5	71.9	BX	Breccia; mostly grey/green-grey dioritic, mostly equigranular intrusive with clasts (or xenoliths) of sub-cm, angular volcanics; barely brecciated - could possibly be just a screwy intrusive unit; disseminated magnetite and biotite everywhere!; ubiquitous and locally dense parallel and conjugate quartz+/-magnetite veinlets (often with green epidote) <1-2mm with sub-cm k-spar alteration envelopes; rare visible chalcopyrite with magnetite; boring-looking.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
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Drillhole Report

MP-01-38

Zone	C Pit - east SHG	**Easting**	2332.1	**Drilled By**	F. Boisvenu Drilling
Length (m)	65.8	**Northing**	3201.2	**Logged By**	V. Park
		Elevation	1079.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	*160*	*-65*	*Head Set*
68.9	160	-61	Acid Test

Lithology

From	To	LITH	Description
0.0	12.2	CA	Casing; no recovery.
12.2	47.4	BX	Not Logged; probably breccia.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
12.2	14.0	73522	0.648	0.030	0.63	5.40
14.0	14.8	73523	0.223	0.012	0.29	3.99
14.8	15.8	73524	1.507	0.059	2.58	11.90
15.8	17.5	73525	0.387	0.032	0.39	5.90
17.5	18.5	73526	0.302	0.027	0.34	5.77
18.5	20.1	73527	0.328	0.063	0.52	5.06
20.1	22.0	73528	0.112	0.009	0.22	4.23
22.0	24.0	73529	0.159	0.010	0.28	5.21
24.0	25.5	73530	0.227	0.073	0.32	4.39
25.5	26.3	73531	0.388	0.287	0.38	4.22
26.3	26.9	73533	1.520	0.138	1.58	7.48
26.9	28.1	73534	0.432	0.228	0.61	4.86
28.1	29.6	73535	0.095	0.037	0.08	4.65
29.6	30.8	73536	0.202	0.142	0.16	4.51
30.8	32.1	73537	0.189	0.110	0.15	4.75
32.1	33.6	73538	0.180	0.015	0.16	4.45
33.6	34.4	73539	0.224	0.032	0.26	4.72
34.4	35.8	73540	0.141	0.008	0.17	4.37
35.8	37.1	73541	0.075	0.006	0.03	3.71
37.1	39.1	73542	0.178	0.010	0.23	4.05
39.1	40.9	73543	0.106	0.010	0.09	4.47
40.9	42.7	73545	0.166	0.025	0.11	4.43
42.7	43.9	73546	0.091	0.040	0.06	4.28
43.9	45.3	73547	0.177	0.110	0.12	3.26
45.3	46.5	73548	0.106	0.046	0.08	2.77
46.5	47.4	73549	0.136	0.032	0.08	3.61
47.4	49.2	73550	0.146	0.020	0.19	3.47
49.2	50.6	73551	0.113	0.017	0.12	2.42
50.6	51.7	73552	0.156	0.038	0.32	3.37
51.7	52.3	73553	0.221	0.059	0.49	3.51
52.3	53.7	73555	0.129	0.046	0.15	3.91

Lithology

From	To	LITH	Description
47.4	65.8	MZ	Monzonite to monzodiorite; dominantly medium-grained (1-3mm) equigranular; variable colouration, but generally greyish with varying shades of pink and green; contains <1% angular clasts (xenoliths) of fine-grained equigranular volcanic <1mm to rarely >10cm. K-alteration is dominant - occurs as mm to cm scale envelopes around quartz veinlets, more pervasive where quartz veining is strongest, as >1mm intervals of weak to moderate pervasive alteration; abundant biotite - some primary, some secondary; sericitization is moderate to strong, to create bleached mottling; also in close association with veining; locally biotite (and other mafics) altered to chlorite; minor epidote>chlorite in some fractures; occasional limonitic veinlets. Ubiquitous mm-scale quartz veinlets, occasionally clustered - often host magnetite and minor chalcopyrite. Moderately to locally strongly magnetitic - fine crystals disseminated like biotite. <1% visible chalcopyrite - widespread, associated with magnetite and quartz and often too small to see; mm-scale chalcopyrite blebs occur in quartz clots and veinlets - very subtle; rare malachite in some oxidized fractures. 47.4 - 49.2 m: darker grey; strong sericite; non-phyric; cm to dm-spaced quartz veinlets (conjugate sets) with mm-scale potassic envelopes; abundant secondary biotite outside of the pink; clear quartz veinlets often host some magnetite and chalcopyrite along selvages; cm-scale limonitic staining adjacent to quartz veinlets to 48.0 m in a section where quartz veining is most dense; strongly magnetitic; immediately proximal to breccia above. 49.2 - 50.6 m: as 47.4 - 49.2 m, but lighter grey with slightly reduced secondary biotite; faint greenish hue due to chlorite and sericite and a generally paler and bleached-looking appearance due to sericitization (and some possible albite?); salmon-pink/orange in irregular cm-scale alteration envelopes adjacent to veinlets; potassic alteration is also locally more pervasive, occurring in dm-scale sections and also outlined with secondary biotite bands <1cm - increasing to end of interval. 50.6 - 55.2 m: moderate pervasive K-alteration; increased quartz veining (cm-spacing) 51.7 - 52.3 m; increased quantity of sub-cm xenoliths. 55.2 - 56.7 m: as 50.6 - 55.2 m but with chlorite and sericite alteration envelopes around veinlets in moderately potassic rock; abundant biotite; magnetitic; rare visible disseminated sulfides. 56.7 - 61.3 m: pale pink and grey speckling (epidote and k-spar) with stronger K-alteration in envelopes <1cm around widely spaced (sub-m) mm-scale quartz veinlets; ubiquitous sericite; propylitization increases to end of interval; trace malachite in occasional fractures with minor limonite and manganese oxide. 61.3 - 62.6 m: as above, but with some fractures and quartz-filled fractures with limonite and malachite and magnetite; overall faint limonitic staining in sub-cm envelopes around fractures; abundant sericite; increased secondary biotite; magnetitic. 62.6 - 65.8 m: as above; increased obvious volcanic xenoliths and rare pink potassic quartz monzonite clasts/xenoliths <5cm; pale pink (k-spar) and green (chlorite+epidote+sericite mottling; stronger potassic alteration around quartz veinlets and irregular stringers; magnetitic and biotitic; blob of salmon-pink magnetitic and chloritic monzonite at 65.6 - 65.8 m; rare disseminated sulfides.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
53.7	55.2	73556	0.092	0.017	0.12	3.55
55.2	56.7	73557	0.065	0.010	0.08	3.50
56.7	58.7	73558	0.043	0.015	0.04	4.04
58.7	60.6	73559	0.052	0.014	0.07	3.75
60.6	61.3	73560	0.037	0.004	0.04	2.98
61.3	62.6	73561	0.069	0.031	0.07	3.28
62.6	64.2	73562	0.036	0.005	0.07	3.27
64.2	65.8	73563	0.063	0.005	0.11	3.01

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Mount Polley Mine

Drillhole Report

MP-01-39

Zone	C Pit - east SHG	Easting	2317.8	Drilled By	F. Boisvenu Drilling
Length (m)	41.5	Northing	3205.4	Logged By	V. Park
		Elevation	1080.1	Comments	

Depth	Az	Dip	Survey Type
0.0	0	-90	Head Set

Lithology

From	To	LITH	Description
0.0	12.9	CA	Casing; no recovery; broken muck for 1070 bench.
12.9	17.2	BX	Breccia; variable, as described below; in general, intensely potassic, monzonitic (PPp), intensely magnetitic (<550%) and with abundant chalcopyrite; very yummy. 12.9 - 13.9 m: dark pink, intensely K-altered PPp with 50% black magnetite as stringers, veinlets, interclast and interstitial blebs and clots; minor localized silicification; rare sub-mm quartz-calcite veinlets; magnetite as most common matrix mineral. >5% chalcopyrite (>>py) as concentrations intergrown with magnetite and also as mm to cm-scale irregular clots and stringers. Crumbly and decomposed, especially where magnetite breccia is strongest. First 1/2 m is rubble. 13.9 - 17.2 m: as 12.9 - 13.9 m, but more cohesive and with volcanic/PPg clasts <10cm, quartz-calcite-chlorite as cement; can contain >60% magnetite and 20% chalcopyrite (together) over 20 cm interval; m-scale sections of alternating pink magnetitic breccia with heterolithic breccia with quartz and significantly less magnetite and chalcopyrite. 13.9 - 14.3 m: heterolithic breccia 14.3 - 14.9 m: dark pink monzonitic breccia with abundant magnetite-chalcopyrite and quartz veinlets. 14.9 - 15.1 m: >70% magnetite and <20% chalcopyrite 15.1 - 15.4 m: boring heterolithic breccia 15.4 - 16.0 m: as 14.3 - 14.9 m; increased white quartz cement 16.0 - 16.4 m: heterolithic breccia 16.4 - 17.2 m: as 12.9 - 13.9 m; pink breccia with increased quartz and intense magnetite Sharply into:

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
12.9	13.9	73501	0.708	0.035	0.99	12.60
13.9	15.4	73502	1.907	0.066	2.22	12.30
15.4	17.2	73503	1.246	0.062	1.14	19.00
17.2	19.7	73504	0.362	0.013	0.29	4.72
19.7	21.6	73505	0.198	0.012	0.17	3.61
21.6	22.6	73506	1.986	0.423	2.54	7.19
22.6	23.8	73507	0.879	0.045	0.91	5.12
23.8	25.6	73508	0.385	0.019	0.44	3.85
25.6	26.5	73509	0.396	0.019	0.40	5.37
26.5	28.6	73510	0.439	0.033	0.65	6.18
28.6	29.8	73512	0.692	0.031	1.12	14.60
29.8	31.4	73513	0.375	0.011	1.07	5.41
31.4	32.4	73514	2.420	0.200	10.60	14.70
32.4	34.7	73515	0.560	0.042	1.18	11.30
34.7	35.4	73516	0.451	0.024	1.07	9.10
35.4	36.9	73517	0.086	0.014	0.12	9.36
36.9	38.4	73518	0.054	0.015	0.07	4.95
38.4	40.6	73519	0.079	0.039	0.09	5.45
40.6	41.5	73521	0.107	0.047	0.12	4.42

Lithology

From	To	LITH	Description
17.2	19.7	BX	Breccia; alternating pink and grey; dark grey/black aphanitic (to weakly plagioclase phyric) volcanic clasts <10cm within a moderately to strongly K-altered pink and white monzonitic plagioclase porphyry matrix; local sections with breccia pervaded with and intensified by white and clear quartz-carbonate that hosts chlorite, epidote and magnetite and chalcopyrite; secondary quartz has abundant voids space; numerous powdery white hairline veinlets and fractures. Magnetitic throughout, as fine disseminations and as fine stringers, in veinlets with quartz, and as clots in quartz; highest magnetite is always associated with secondary quartz. <1% chalcopyrite as disseminated mm-scale clots, usually with magnetite and almost always with secondary quartz. 19.4 - 19.7 m: carbonates weathered out of white quartz; increased oxidation in veinlets, fractures - not seen up hole. Sharply into:
19.7	21.6	PPg	Plagioclase porphyry dyke; sharp planar contacts; medium-dark grey aphanitic groundmass with rounded white (to greenish white) plagioclase phenocrysts 1-3mm (subhedral to anhedral); incorporated an irregular dark salmon-pink, intensely pervasively K-altered plagioclase porphyry monzonite (PPp) that lacks strong original textures at center of interval - mineralized-looking, so possibly a clast; smaller greyish (black and white) dioritic intrusions along veinlets in sub-cm proportions; dark pink monzonitic intrusions in similar occurrences - less abundant. Sericite and chlorite as irregular cm-scale alteration envelopes around micro veinlets/fractures - creates pale green-grey bleached appearance. K-alteration occurs only in intrusive blob at 20.5 - 20.9 m and as sub-cm alteration around very rare quartz veinlets. Fractures and hairline clear quartz veinlets, in random orientations as conjugate sets, are abundant - cm-spacing. Intensely magnetitic groundmass; magnetite also as mm-scale blebs and swirls in veinlets/fractures - irregular. No visible mineralization. 20.5 - 20.9 m: K-altered intrusive blob with magnetitic gashes and clots, numerous hairline quartz-filled fractures and occasional sub-planar mm-scale white quartz (+/-carbonate) veinlets; likely a clast or raft of adjacent mineralized breccia material; might run.
21.6	22.0	BX	Breccia; intensely K-altered, dark salmon-pink monzonitic plagioclase porphyry (PPp) shattered into cm to mm-size pieces and healed with magnetitic cement; strong pink and black speckling; clast size decreases to faulted lower contact; this interval is tectonized zone adjacent to a small sheared fault. K-alteration in clasts dominates with strong silicification (whitish) locally; minor chloritization. Intensely magnetitic - >30% magnetite, increasing to lower contact, fills all available open space, fills hairline stringers and is disseminated within clasts; increasingly massive. Chalcopyrite (quantity impossible to identify) as fine crystals intergrown with magnetite and as irregular sub-cm clots (also associated with magnetite) within matrix, open space and often closely associated with secondary quartz. Gorgeous interval.
22.0	22.2	FAULT	Fault; grey and orange; hosted within monzonitic intrusive (as adjacent units) but original textures are rarely only barely discernible. Sharp, sub-parallel, planar, broken contacts. Intensely tectonized, but with a strong planar fabric (parallel to contacts) intensified by sub-cm spaced fractures that contain abundant limonite, manganese oxide, hematite and some chlorite and clay; limonitic staining of groundmass around fractures is dominant; internal fractures are often broken and incompetent. No visible mineralization.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
22.0	22.6	BX	Breccia; dark salmon-pink, intensely K-altered PPp with abundant magnetite clots and strong tectonization; as 21.6 - 22.0 m, but clasts are larger and quantity of magnetite and chalcopyrite are decreased; gradually into:
22.6	28.6	BX	Breccia; intrusive breccia with some variability throughout, as described below; overall colouration is shades of pink and grey with strong magnetite and ubiquitous moderate to strong potassic alteration. 22.6 - 23.8 m: breccia; somewhat similar to PPg at 19.7 - 21.6 m; composed of equal amounts of greyish, polka dotted plagioclase porphyry (PPg) with green-grey bleaching adjacent to numerous hairline quartz veinlets and dark salmon-pink, intensely K-altered monzonitic intrusive with crackle texture due to numerous quartz veinlets (some hairline and clear) and others sub-cm void space filled with magnetite, chalcopyrite and chlorite; at times both rock types seem to be clast or matrix - i.e. at times monzonitic breccia seems to invade PPg and in other places PPg is caught as clasts within pink breccia. Pink monzonitic breccia is intensely K-altered and contains >25% magnetite (+ chalcopyrite) in voids in secondary quartz, in numerous sub-mm veinlets; clast-supported - more crackly; matrix = magnetite + chalcopyrite + quartz and sections with abundant dark green chlorite-actinolite; yummy. PPg is magnetitic but appears unmineralized. Transitional into: 23.8 - 25.6 m: breccia; mostly greyish equigranular to weakly plagioclase phyric diorite to monzonite; crosscut by numerous sub-mm quartz veinlets, along which bleaching and strong K-alteration are common; silicified; chlorite in quartz too; sub-cm angular PPg clast caught within, especially toward lower contact; magnetitic - disseminated and in veinlets, stringers - everywhere! Chalcopyrite, associated with magnetite within mm to hairline veinlets - more abundant in better stockworked areas. 25.6 - 26.5 m: mostly medium-dark grey aphanitic, weakly plagioclase phyric rock (as 19.7 - 21.6 m) that is frequently invaded by greyish, equigranular monzonite to diorite (occasionally porphyritic) in irregular shapes with persistence and also in sub-cm veinlets/fractures; rarely cm-scale 'clasts' are caught within; abundant sericitic bleaching adjacent to sub-mm veinlets; transitional contacts. 26.5 - 28.6 m: as 23.8 - 25.6 m; mostly monzonitic intrusive with strong medium pink hue due to semi-pervasive potassic alteration; 'crackle' texture dominates and heterolithic clasts and xenoliths are very rare. Crosscut by numerous hairline veinlets that contain quartz, magnetite, chlorite and chalcopyrite - highly variable; larger open space filled with magnetite and greenish minerals (chlorite, actinolite, sericite) and occasional epidote. (I can imagine that I see fairly sharp contacts...)
28.6	29.8	BX	Breccia; mostly black with green and white intrusive clasts as speckling; composed almost entirely of magnetite as angular clasts within greenish dioritic intrusion buy also as cement between clasts of intrusive; secondary quartz is strong locally; chlorite as dominant lithology. Intensely magnetitic throughout. Saturated with chalcopyrite, usually associated with magnetite but also disseminated in intrusive rock. Sharp contacts. Gorgeous!!

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
29.8	31.4	BX	Breccia; mostly massive salt and pepper dioritic, equigranular intrusive but with occasional sub-dm PPg xenoliths/clasts and a localized crackle breccia texture; where brecciated, groundmass = magnetite + silica + actinolite/chlorite and minor chalcopyrite. Potassic alteration is selective and weak with only some sections strongly altered; bleaching (sericitization etc.) is strongest where brecciation and stockwork occur. Broken near lower contact. 29.8 - 30.3 m: strong crackle breccia with magnetite, silica, bleaching and minor chlorite - best-looking part of interval. 30.3 - 31.0 m: fairly massive diorite with patchy K-alteration and occasional PPg xenoliths/clasts; strongly biotitic and magnetitic; salt and pepper. 31.0 - 31.4 m: strongly potassic, magnetitic, breccia rubble - much as rock described in fault below.
31.4	32.4	FAULT	Fault in breccia; breccia = cm to sub-dm, irregular clasts of intensely K-altered monzonitic intrusive with interclast and interstitial massive magnetite and chalcopyrite with some pyrite; magnetite and sulfides comprise >50% of rock mass; some 10-20 cm pieces, but most of rock is broken/decomposed into gouge-like magnetite and chalcopyrite, especially near contacts; minor clay and carbonate; sub-mm spaced magnetite fractures; contacts are broken, but appear planar. This fault might correlate well with southern bounding fault in Cariboo Pit - terminus of SHG? Looks very yummy!!!
32.4	34.7	BX	Breccia; mottled pink and grey; variably competent with dm-spaced fractures; mostly plagioclase porphyry (PPp and PPg) and equigranular monzonite forming clasts and matrix; cm-scale black aphanitic volcanic-like clasts also within intrusive; white quartz and carbonate also as cement - often with chlorite and actinolite and void space and pockets filled with magnetite and chalcopyrite. K-alteration dominates but is highly variable and selective - occurs mostly within clasts and strongest around fractures; greyish PPg usually shows pervasive to semi-pervasive potassic alteration; quartz-carbonate also as dominant replacements; ubiquitous but minor chlorite, usually in fractures or associated with quartz-calcite; minor selective clay alteration of phyric feldspar. Numerous 10-20 cm sections of intensely potassic, very, very fractured (yet quartz-healed) and quartz-flooded intrusive breccia; where most densely fractures, interclast, intergrain and fractures are filled/saturated with magnetite>chalcopyrite, as fine disseminations to cm-scale clots and blobs. Intensely magnetitic - clots, clusters, veinlets, matrix, as described above. Chalcopyrite, intimately associated and intergrown with magnetite - occasionally too finely disseminated to see, but also as numerous mm-scale (sub-cm) irregular clots; chalcopyrite also occurs independently as clots within vuggy white ca-qz masses. Nice-looking interval! Sharply into: Unbroken contact - sharp but undulatory.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
34.7	35.4	BX	Breccia; dominantly grey plagioclase porphyry (PPg) with bleached, siliceous appearance; more 'crackle'-like with numerous (countless) hairline magnetite (and quartz?) wisps, stringers and gashes, occasionally forming sub-cm conjugate network; pale greenish-grey alteration adjacent to magnetite veinlets appears albitic; textures are more due to alteration than to tectonism; seems more like later-stage event. Albite and quartz as dominant alterations; moderate chlorite locally; not potassic. Intensely magnetitic - in hairline wisps, stringers, gashes, as sub-dm clots (with chalcopyrite) with white qz-ca blobs and as mm-scale blebs and clots throughout - it's everywhere! - at least 50% of entire rock mass. Chalcopyrite (>5% throughout) is intergrown with magnetite and has all similar occurrences and can form <50% of such concentrations; cp also as mm-scale clots and blebs within secondary quartz; some magnetitic fractures have iridescence that might be associated with bornite, especially near lower contact. Gorgeous rock. Sharp planar contacts - possibly parallel - marked by 2-5 cm white ca-qz veinlets.
35.4	40.6	MZ	Monzonite to plagioclase porphyry monzonite (PPp->PPg) with faint brecciation locally; dominantly pink with abundant black speckling and some creamy patches; mostly equigranular (1-3mm) but with minor phyric plagioclase <1-2mm locally; contains occasional angular volcanic xenoliths - also dioritic; very rare xenoliths/clasts <5cm in breccia-like sections; upper contact marked by 4 cm of magnetitic, numerous parallel hairline bands. *Black speckling due to fine biotite, hornblende, pyroxene and super-abundant magnetite - occasionally chloritic;* creamy speckles are feldspar crystals. Regular sub-m spaced fractures with carbonate, chlorite, manganese oxide and some limonite; occasional cm-scale qz-ca-chl-mt micro breccia bands.\ Moderate semi-pervasive potassic alteration imparts medium pink hue throughout;; mafics altered to chlorite; ubiquitous sericitization; possible localized albitization; oxidation in fractures. Very, very strongly magnetitic - fine disseminated crystals, hairline wisps and stringers, mm-scale veinlets and very, very rare blebs. No visible chalcopyrite, but minor speckles of malachite in fractures below 40 m. 35.4 - 36.8 m: strongest K-aletration, decreases; mt in mm-scale fractures, rarely oxidized; minor localized dm-scale sections with limonitic fractures and minor staining. 36.8 - 37.5 m: breccia-like; sub-dm clasts of silicified looking plagioclase porphyry (PPg = volc?) with qz-chl and K-altered monzonite as groundmass; more mottled; no sharp contacts. 37.5 - 40.0 m: decreased K-aletration; more greyish. 40.0 - 40.6 m: sub-dm limonitic fractures with malachite and manganese oxide. Gradually into:
40.6	41.5	PPg	Dioritic, greyish intrusive, as above, but with faint plagioclase phyric textures; several sub-cm angular volcanic xenoliths; bleaching (sericite or albite?) and some plagioclase alignment creates definite planar fabric; 10-20 cm spaced limonitic fractures with carbonate and very, very rare malachite; center of interval with 30 cm of dark orange-brown limonitic staining of groundmass adjacent to fractures. Not very interesting.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-40

Zone	Springer	Easting	1518.5	Drilled By	F. Boisvenu Drilling
Length (m)	151.2	Northing	3750.6	Logged By	V. Park
		Elevation	1178.5	Comments	

Depth	Az	Dip	Survey Type
0.0	0	-90	Head Set
151.2	0	-89	Acid Test

Lithology

From	To	LITH	Description
0.0	6.1	CA	Casing; no recovery.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
6.1	7.6	73565	1.118	0.827	3.46	3.91
7.6	9.1	73566	0.887	0.663	3.38	3.94
9.1	11.0	73567	0.683	0.552	1.67	3.34
11.0	13.0	73568	0.124	0.107	0.19	2.69
13.0	14.1	73569	0.419	0.349	0.71	3.19
14.1	16.7	73570	0.231	0.183	0.33	2.68
16.7	17.9	73571	0.535	0.498	0.32	4.42
17.9	18.9	73572	0.454	0.422	0.32	4.97
18.9	20.8	73574	0.347	0.257	0.44	3.69
20.8	22.1	73575	0.331	0.269	0.19	3.73
22.1	23.4	73576	0.445	0.422	0.39	6.35
23.4	25.4	73577	0.445	0.370	0.28	3.29
25.4	26.8	73578	0.307	0.281	0.32	3.67
26.8	27.7	73579	0.317	0.280	0.27	3.38
27.7	28.9	73580	0.562	0.452	0.48	5.51
28.9	30.5	73581	0.499	0.396	0.67	4.65
30.5	32.1	73582	0.529	0.474	0.83	4.36
32.1	33.2	73583	0.296	0.068	0.42	5.15
33.2	34.0	73584	1.043	0.604	1.84	4.45
34.0	36.0	73586	0.282	0.149	0.54	4.93
36.0	38.0	73587	0.278	0.072	0.56	5.08
38.0	40.3	73588	0.571	0.122	0.78	5.88
40.3	43.0	73589	0.625	0.115	2.02	5.35
43.0	44.7	73590	1.119	0.252	5.36	5.36
44.7	46.8	73591	0.514	0.090	1.78	6.49
46.8	49.0	73592	0.995	0.175	5.46	5.43
49.0	50.9	73593	1.207	0.103	7.40	5.59
50.9	53.5	73594	1.520	0.095	9.66	5.06
53.5	54.5	73595	1.642	0.119	8.60	5.26
54.5	56.9	73597	0.658	0.060	3.74	4.94
56.9	58.4	73598	0.771	0.110	4.38	3.28

Lithology

From	To	LITH	Description
6.1	32.1	BX	Breccia; dark pink to salmon-pink; plagioclase porphyry monzonite (PPp) with numerous mm-scale veinlets (ca+qz+/-mt) = 'crackle' breccia; occasional irregular cm to mm-scale, angular, black, aphanitic volcanic clasts/xenoliths; homolithic texture (PPg groundmass and PPp/MZ clasts) is better developed near bottom of interval; phyric textures are well-developed locally (white plagioclase phenocrysts <1-2mm) and totally destroyed elsewhere. Intense pervasive potassic alteration, combined with some oxide staining, creates intense hue and obliterates some original textures; ultra fine secondary biotitic throughout, with some clast-like concentrations. Ubiquitous and occasionally strong sericite - creates yellowish, shimmery patina on most cut surfaces. Clay, carbonate, manganese oxide, hematite/limonite and copper oxides in most fractures; fractures, often broken, are frequently in parallel and conjugate sets, occur with cm to dm regularity; some fractures with slickensides. Numerous spidery, more stockwork-like stringers and veinlets in concentrations. Three dominant fracture/veining orientation; 1) -looking, often broken fractures at dm-spacing with manganese oxide and minor oxidation; 2) fractures at steep to parallel (to CA) with undulatory surfaces - host carbonate, quartz, magnetite, manganese oxide, strong limonite and varying amounts of malachite, azurite and (egad) chrysocolla - copper oxide is more obvious with depth; 3) as 2, but rotated clockwise; note: core is not easy to get good relative structural relationships. Generally, Cu oxides (malachite>azurite are viewed in fractures and veinlets throughout. Disseminated and stringy magnetite throughout - usually strong but decreased locally. 6.1 - 7.6 m: pervasive silicification and several hairline clear quartz veinlets; dm-spaced fractures, sub-perpendicular to CA with earthy limonite/hematite and mm-scale malachite specks. Green malachite, blue-green chrysocolla and very minor azurite strongly evident in quartz veinlets at steep CA; subtle malachite also as fine specks disseminated. Intense K-alteration; yellow sericite; oxidation throughout. 7.6 - 9.1 m: increased sub-mm magnetite fractures, veinlets, breccia bands in cm- to dm-spaced clusters at steep CA; hairline spidery magnetite tracings everywhere else; disseminated magnetite. Ubiquitous malachite>chrysocolla>azurite in ca-qz veinlets, in limonitic, earthy fractures with manganese oxide and less commonly as fine disseminated specks. Intrusive breccia textures moderately well developed. 9.1 - 11.0 m: better PPp texture with white, sub-rounded plagioclase phenocryts <1-2mm - often crowded; intense K-alteration with sericite; occasional feldspar laths <1cm; breccia clasts are increasingly developed. Numerous magnetite +/- quartz +/- calcite veinlets/stringers, as above; limonite and manganese oxide with chrysocolla and malachite; malachite +/- chrysocolla also as sub-mm disseminated flecks - quite concentrated locally; Cu minerals increase to end of interval. 11.0 - 13.0 m: as 9.1 - 11.0 m, but contrast between white phenocrysts and groundmass is less pronounced; decreased concentrations of magnetite veinlets/stringers although a prevalent, subtle stockwork remains; calcite veinlets (conjugate set) at cm to dm spacing are strongly evident; oxidation in fractures persists. Decreased copper minerals - trace malachite specks in very rare fractures. 13.0 - 14.1 m; strong yet subtle breccia texture; PPp clasts within PPp-mt-bi matrix; clast-supported - mm to sub dm clasts; dark pink and grey due to intense potassic alteration (K-spar and secondary biotite) and magnetite; clasts are aligned with major dm-spaced fracture orientation; rock is busted up; fractures contain all oxide minerals = limonite, manganese oxide, clay and copper minerals - occasionally slickensided. Cu - malachite > chrysocolla - in most fractures and less commonly disseminated. Nice-looking interval. 14.1 - 16.7 m: good PPp texture, as 9.1 - 11.0 m; decent but subtle breccia textures - homolithic; increased secondary biotite between clasts; numerous and increasing parallel cm-spaced calcite veinlets sub-perpendicular to CA and magnetitic veinlets and stringers, often as stockwork, at stepper angle to CA; some stringers run parallel, sub-parallel to CA; drier-looking fractures sub-perpendicular to CA and often with carbonate are slickensided and

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
58.4	61.3	73599	0.278	0.034	0.66	3.09
61.3	63.3	73600	0.345	0.037	0.58	3.04
63.3	65.3	73601	0.364	0.049	0.62	3.34
65.3	66.6	73602	0.354	0.035	1.10	2.61
66.6	68.5	73603	0.762	0.101	2.16	3.97
68.5	71.2	73605	0.891	0.080	2.70	4.53
71.2	72.4	73606	0.986	0.086	2.59	4.06
72.4	74.0	73607	0.693	0.089	1.80	4.53
74.0	75.7	73608	1.193	0.110	2.72	4.64
75.7	77.8	73609	0.608	0.066	1.26	3.75
77.8	80.4	73610	0.895	0.097	1.88	5.07
80.4	82.4	73611	0.807	0.070	1.68	4.67
82.4	84.1	73612	0.826	0.085	1.90	4.70
84.1	85.5	73613	0.929	0.079	1.50	4.81
85.5	86.0	73614	1.047	0.113	2.06	4.99
86.0	87.5	73615	0.479	0.041	0.75	4.98
87.5	88.0	73617	0.836	0.105	1.92	5.55
88.0	89.5	73618	0.538	0.063	1.08	5.77
89.5	91.7	73619	0.556	0.062	0.92	5.32
91.7	93.3	73620	0.785	0.081	1.16	5.17
93.3	94.5	73621	0.789	0.074	1.43	4.85
94.5	95.3	73622	0.849	0.071	1.24	5.28
95.3	97.2	73623	0.835	0.082	1.57	4.86
97.2	99.3	73624	0.674	0.055	0.84	4.56
99.3	100.8	73626	0.679	0.062	0.77	5.49
100.8	102.6	73627	0.546	0.062	0.53	5.32
102.6	104.6	73628	0.327	0.053	0.22	5.16
104.6	106.6	73629	0.367	0.052	0.21	4.90
106.6	107.9	73630	0.401	0.054	0.21	5.36
107.9	108.9	73631	0.533	0.061	0.31	6.11
108.9	110.4	73632	0.516	0.061	0.20	5.71
110.4	111.8	73633	0.346	0.042	0.23	5.22
111.8	112.9	73634	0.822	0.094	0.53	5.91
112.9	113.8	73635	0.528	0.071	0.24	6.21
113.8	115.1	73636	0.734	0.095	0.46	7.75
115.1	115.9	73637	0.473	0.074	0.26	5.88
115.9	118.0	73638	0.565	0.053	0.19	5.64
118.0	119.8	73640	0.676	0.065	0.21	6.19
119.8	121.8	73641	0.547	0.071	0.19	5.22
121.8	123.1	73642	0.400	0.041	0.15	5.21
123.1	124.4	73643	0.330	0.041	0.15	4.93
124.4	125.6	73644	0.331	0.040	0.13	5.23

Lithology

From	To	LITH	Description
			are often more oxidized. Most fractures are oxidized (limonite and hematite and manganese oxide) but less so than above. Ubiquitous but minor green malachite and blue-green chrysocolla in fractures. 16.7 - 17.9 m: much as 6.1 - 7.6 m; intense potassic alteration destroys textures and the rock is tightly stockworked with mm to cm spaced quartz and magnetite veinlets, stringers, wisps etc - typically at very steep angle to CA and cut by later dry fractures (dm spacing) sub-perpendicular to core axis and frequently slickensided. Chrysocolla > malachite on any broken surface - associated with magnetitic squiggles. 22.1 - 23.4 m: very strongly brecciated/tectonized with strong sheared texture; PPp clasts healed with magnetitic quartz veinlets at steep angle to core axis and undulatory surfaces - definitely a strongly deformed section; minor pervasive silicification. Most fractures with manganese oxide, white powder, variable limonite and hematite and minor but ubiquitous copper oxide. Mm-scale malachite>chrysocolla specks on fractures. 23.4 - 27.7 m: as 22.1 - 23.4 m near top but amount of veining, tectonization decreases to center of interval; some good PPp textures; two strong fractures/veining orientations developed as center of interval (steep CA, similar dip, one rotated 90 from other). Most fractures with oxidation minerals, including minor mm-specks of chrysocolla and malachite. 27.7 - 30.5 m: much as 22.1 - 23.4 m; highly stockworked and tectonized with numerous mm-scale and hairline veinlets (mt, qz, ca etc.) and with exceltent heterolithic breccia texture with grey dioritic clasts <5-10 cm within an intensely potassic PPg matrix (destroyed textures); intensely potassic, textureless irregular clasts within a potassic PPg matrix with better igneous textures; definite locus of deformation/mineralization. Intense K-alteration; ubiquitous sericite; secondary biotite in varying concentrations; manganese oxide and hematite and limonite in most fractures; clay/calcite in fractures. Weakly to moderately magnetitic - some disseminated, but usually in stringers/veinlets. Ubiquitous and fairly abundant chrysocolla > malachite >> azurite in fractures and within clots and along selvages of secondary quartz; copper minerals can be seen in any piece selected; copper oxide also as sub-mm disseminated flecks; no visible chalcopyrite. 28.1 - 28.4 m: oxidized rubble = fault? 30.3 - 30.5 m: increased calcite veinlets and clay. 30.5 - 32.1 m: as 27.7 - 30.5 m, but with more strongly pronounced heterolithic texture with rounded sub-dm equigranular monzonite to diorite clasts within a strongly potassic PPp matrix; also increased cm-size angular volcanic clasts; numerous magnetitic veinlets with quartz in conjugate set at steep angle to CA; most fractures with limonite, hematite and manganese oxide. Malachite and chrysocolla on fractures is very common. Sharp Lower contact.
32.1	33.2	BX	Breccia; distinctly different than adjacent units; sharp planar contacts; mottled grey and salmon-pink/orange with some black, cream and green; intensely potassic PPg sub-rounded and irregular clasts within grey equigranular to weakly plagioclase phyric monzodioritic matrix that displays selective K-alteration; possible dates other breccia. K-alteration in clasts, selectively in matrix and as sub-cm envelopes around mm-scale quartz veinlets at steep angle to CA and sub-mm, randomly oriented wisps. Very strongly magnetitic - disseminated crystals and numerous sub-mm veinlets, often associated with secondary quartz. Fractures are only rarely oxidized. No visible copper minerals although very fine chalcopyrite might exist with magnetite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
125.6	126.7	73645	0.254	0.048	0.12	5.98
126.7	128.3	73646	0.291	0.055	0.26	4.91
128.3	129.9	73647	0.233	0.051	0.11	5.39
129.9	131.6	73648	0.211	0.062	0.09	6.34
131.6	133.0	73649	0.138	0.026	0.06	6.47
133.0	134.7	73650	0.193	0.033	0.08	6.06
134.7	135.9	73652	0.167	0.030	0.10	5.82
135.9	137.4	73653	0.402	0.079	0.49	6.03
137.4	139.1	72410	0.174	0.030	0.13	4.16
139.1	141.5	72411	0.182	0.036	0.12	3.28
141.5	142.2	72412	0.106	0.019	0.05	6.00
142.2	144.7	72413	0.127	0.028	0.05	5.90
144.7	146.6	72414	0.191	0.036	0.12	7.98
146.6	148.1	72415	0.285	0.046	0.37	6.29
148.1	149.7	72416	0.263	0.038	0.19	6.31
149.7	151.2	72417	0.253	0.061	0.09	6.74

Lithology

From	To	LITH	Description
33.2	34.0	BX	Breccia; dark salmon-pink plagioclase porphyry monzonite as 6.1 - 32.1 m; subtle breccia texture with occasional xenoliths/clasts <1cm; most original igneous textures destroyed; less tectonized than above; several dm to cm spaced fractures with magnetite, manganese oxide, limonite and hematite. Strong chrysocolla and malachite in fractures and as disseminated sub-cm clots throughout; best-looking (except for unfortunate oxide problem) - copper-wise, interval so far. Sharp contacts.
34.0	54.5	BX	Breccia?; breccia textures are very subtle and often appear absent on cm scale; dominantly grey to pink-grey with splotchy pink mottling; mostly greyish dioritic to monzonitic plagioclase porphyry (PPg) with some non-phyric sections; occasional cm-scale angular volcanic xenoliths/clasts; igneous textures are usually very well preserved with white plagioclase crystals <1-2 mm in stark contrast to grey or pink groundmass; often resembles unmineralized intrusive; abundant biotite. K-aletration dominates but is widely variable - occurs as widespread weak to pervasive, as alteration envelopes around veinlets and is occasionally confined to clasts; generally, quantity of potassic rock increases to end of hole. Ubiquitous sericitization; selective clay altered plagioclase phenocrysts; fractures with clayey composition; occasional fractures with weak limonite; chloritic fractures increasingly common. Numerous white sub-mm to sub-cm calcite and quartz-calcite veinlets in parallel clusters at steep angle to CA - constant throughout. Black mm to hairline, planar to spidery, oriented to random, often densely stockworked magnetitic veinlets/stringers; rare intervals appear strongly tectonized. Strongly magnetitic - disseminated throughout and also in gashes,veinlets, stringers as indicated above. Minor malachite +/- chrysocolla in rare fractures and not visible common elsewhere; rare chalcopyrite as mm-scale clots in larger magnetite clots - also increasingly disseminated but usually associated with magnetite (and quartz) stringers, gashes, veinlets etc. 34.0 - 36.0 m: grey intrusive groundmass extensively stockworked with sub-mm potassic fractures; many weakly limonitic fractures with trace malachite. 36.0 - 44.7 m: moderate pervasive K-alteration, still with numerous hairline quartz stringers/veinlets with potassic selvages although contrast is not as extreme; strongly magnetitic with micro stockwork; some magnetitic fractures are hematitic and slickensided; malachite and chrysocolla occupy many fractures, along with minor limonite/hematite and manganese oxide; minor chalcopyrite in mm-size clots in larger magnetite clots. 44.7 - 46.8 m: as 34.0 - 36.0 m; grey PPg with numerous potassic stringers/veinlets/alteration envelopes; occasional limonitic fractures; excellent igneous textures; rare copper oxide; no visible chalcopyrite, but it's probably in there with abundant magnetite. 76.8 - 47.9 m: strongly tectonized; strongly potassic, especially along stockwork stringers; increased oxide and clay; increased chlorite; numerous quartz veinlets with vugs; green malachite and chrysocolla along quartz veinlet selvages; definitely locus of deformation - decreases to end of sample at 49.0 m. 49.0 - 54.5 m: good igneous textures, equigranular to phyric; speckled grey, black, cream and pink with increasing secondary biotite and potassic composition with depth; strongly stockworked with mm to hairline quartz and magnetite stockwork - locally intense. Most fractures (= veinlets) are magnetitic and chloritic; clear to white quartz +/- calcite veinlets 1mm to <1cm. Ubiquitous chalcopyrite, in sub-mm to mm-scale blebs and clots, always associated with magnetite (+/1qz) stringers, veinlets etc. Pseudo contact? - kinda transitional into:

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
54.5	56.9	BX	Breccia; mottled pink and grey; greyish PPg with numerous quartz (+/- calcite_ veinlets with mm scale potassic envelopes; 50% rock is potassically altered and much more strongly altered than above. Numerous cm spaced, parallel sub-cm quartz veinlets with mm magnetitic selvages and crosscut by set of sub-mm magnetitic veinlets rotated 180 and at slightly steeped angle to CA. Really screwed-up looking. Strongly magnetitic. Chalcopyrite with magnetite - often difficult to see. Sharp contacts (?); breccia texture strongly developed by end of interval. 55.8 - 56.0 m: intensely silicified and stockworked.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
56.9	100.8	BX	Breccia; mostly pink (to salmon-pink locally) with splotchy grey; plagioclase porphyry monzonite (PPp) with clasts and unaltered sections of greyish plagioclase porphyry (PPg); homolithic - clasts and matrix are similarly composed and are often differentiated by alteration only; original igneous textures are variably well preserved - mostly phyric but equigranular grains are also easily seen except where alterations are intense; breccia textures are usually strongly evident, although it's sometimes hard to tell clasts from groundmass. K-alteration, strong and usually pervasive, is dominant; even where alteration is not widespread it occurs as envelopes and aureoles around veinlets, within clasts with greyish unaltered matrix and in irregular patterns throughout; secondary biotite occurs with k-spar in varying but usually minor quantities. Strongly magnetitic; fine magnetite in sub-mm and hairline veinlets and as often dense, spidery irregular stockwork - ubiquitous but locally increased concentrations; magnetite also as sub-cm irregular blebs, with quartz, as interclast matrix; fine mt also disseminated throughout. White opaque quartz, calcite-quartz veinlets, usually in regular conjugate sets - not abundant but often locally concentrated; veinlets are more spidery and abundant in obviously tectonized rock. White ca-qz as mm to cm scale invasion and irregular swirls post-date thinner qz, ca, and ca-qz veinlets; sparry crystals in void space; minor chlorite. Also numerous hairline fractures or veinlets (to small to see what's in 'em) are best seen due to pink k-spar envelopes <1mm - often densely packed at mm spacing in regular parallel and often conjugate associations; k-spar also outlines more spidery and networked structures. Minor chlorite in fractures, usually with calcite, quartz-calcite. Chalcopyrite is ubiquitous in minor quantities (visible, could be much more microscopically) - occurs as sub-mm disseminated crystals and within quartz veinlets with magnetite and in magnetitic wisps, veinlets, clots etc.; chalcopyrite is always associated with magnetite; no oxidized copper minerals; quantity of chalcopyrite is impossible to estimate. Some basic generalizations as follows: 56.9 - 68.5 m: intensely potassic; white clay altered plagioclase phenocrysts <1-2mm are strongly contrasted to pink groundmass; magnetitic stockwork is strongly evident throughout; white sub-mm ca, qz-ca, qz veinlets are common. 66.6 - 68.5 m: increased magnetite and decreased clast size (to mm-scale) in magnetitic groundmass; veinlets (all types) are more wispy and spidery and white quartz-calcite occurs in wisps and gashes; near end of interval all veinlets become more orderly and parallel in two dominant orientations with similar dip and a slightly rotated strike; increased xenoliths <1-2cm. Grades into: 68.5 - 100.8 m: strong pink and grey mottling due to variation and location of potassic alteration; igneous textures are discernible but more equigranular than phyric, except locally; generally homolithic - monzonite with some dioritic clasts; qz, ca and mt in occurrences as described above. 85.5 - 86.0 m: strong qz-ca veining; sub-cm spacing; sub-mm to >1cm vuggy veinlets; strongly evident tectonism/deformation. 87.5 - 88.0 m: micro clasts in mt-qz cement; numerous magnetite veinlets and strong subtle and fine quartz stockwork; minor hematite along magnetite veinlet selvages/fractures; chalcopyrite with magnetite. 91.7 - 97.2 m: aphanitic grey dioritic clasts in strong contrast to plagioclase porphyry monzonite groundmass (?). 97.2 - 99.3 m: strongly aligned veining, especially top half indicates strong deformation/tectonism; core of interval intensely potassic with last 40 cm showing aligned quartz veining but K-alteration only as mm-scale stripes. 99.3 - 100.8 m: as 91.7 - 97.2 m. Grades into:

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
100.8	107.9	BX	Breccia, barely; dominantly grey, equigranular, medium grained (1-2 mm) dioritic intrusive with mm-scale pyroxene crystals and cm-scale, sub-angular grey PPg clasts; distinctive due to innumerable mm-scale veinlets marked by pink K-alteration - commonly in a strong and dense parallel alignment but also as fine stockwork; K-alteration is pervasive where stockwork is strongest; strongly magnetitic - magnetite is fine and disseminated but also more obviously as sub-mm and hairline wisps, veinlets, stringers etc, often associated with quartz, to create locally strong stockwork. Minor visible chalcopyrite associated with magnetite and secondary quartz.
107.9	120.7	BX	Breccia; variably pink and grey depending on occurrence and intensity of potassic alteration; rock is equigranular to phyric dioritic intrusive; strong breccia textures locally; magnetitic; chalcopyrite in minor visible quantities associated with magnetite and quartz. 107.9 - 110.4 m: much as striped breccia at 100.8 - 107.9 m, but with intense pervasive K-alteration and numerous sub-parallel and conjugate sets of magnetite, quartz (+/-_ calcite and qz-mt. 110.4 - 111.8 m: strong breccia texture; greyish/black angular clasts <5cm healed with strong K-alteration along stockwork and patchy interclast; numerous hairline magnetite stockwork; minor visible chalcopyrite with magnetite. 111.8 - 112.9 m: intense pervasive K-alteration - dark pink; very strong mt-qz stockwork as well as numerous mm to cm spaced hairline qz-ca veinlets with magnetite; strong pervasive silicification locally; chloritic; slickensided fractures; minor visible chalcopyrite associated with quartz and magnetite. 112.9 - 113.8 m: as 110.4 - 111.8 m; strong magnetite and silicification; very rare visible sulfides. 113.8 - 115.1 m: bleached to yellowish pink, pinkish grey; numerous fractures, tension gashes, wispy magnetite interclast shapes - looks like strongly deformed/tectonized rock healed with magnetite and quartz; intense K-alteration locally; strongly silicified; trace visible sulfides associated with magnetite and quartz. 115.1 - 115.9 m: intense potassic alteration; strong breccia texture; sub-angular greyish PPg clasts in a sea of intensely potassic PPp/MZ with strong irregular qz-mt stringers/veinlets and pervasively silicified locally; rare visible chalcopyrite with magnetite. 115.9 - 119.8 m: as 110.4 - 1118.m with larger dioritic and PPg clast in a potassic (often intense) matrix. 118.2 - 118.5 m: rubble; some hematitic fractures.
120.7	124.4	BX	Breccia, barely; grey intrusive with strong pink potassic striping, as 100.8 - 107.9 m; all structure (potassic fracrures and magnetite veinlets) are arallel and mm spaced and occasionally crosscut by conjugate quartz veinlets and late stage qz-mt veinlets <4mm; barely a brecca; boring-looking.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
124.4	146.6	BX	Mottle pink and grey breccia; similar to all others described; grey to pink dioritic and PPg clasts within a varaibly potassic MZ/PPp matrix; igneous and breccia textures are always strongly evident; strong variations from sample to sample; magnetitic. 124.4 - 126.7 m: strong pink and grey mottling; K-alteration is still most closely associated with fractures; weak quartz stockwork; bath. 16.7 - 128.3 m: large irregular splotches (clasts/alteration) of salt-and-pepper equigranular diorite and intensly K-altered monzonite and PPp (with white rounded phenocrysts); white quartz-magnetite veinlets and interclast concentrations of qz-mt with chlorite. 128.3 - 129.9 m: increased secondary quartz as irregular white qz+mt+chhl veinlets <1 cm and pervasive silicification; magnetite with quartz in veinlets, stringers and between clasts. 134.5 - 134.7 m: very broken. 136.9 - 137.1 m: clay and rubble = fault? 139.1 - 141.5 m: intense pervasive K-alteration - salmon-pink to light pink (albite?); PPp; numerous rounded chloritic voids <5cm; clay, calcite, and chlorite in fractures; strong breccia texture; very different than adjacent units; occasional dm spaced calcite veinlets; minor magnetite; no visible sulfides; sharp 'contacts'. 144.7 - 146.6 m: increased K-alteration - pervasive; increased chlorite and actinolite; similar to 139.1 - 141.5 m.
146.6	149.7	BX	Boring grey breccia with weak spotty K-alteration and potassic stringers and numerous 1 cm, parallel bands of white feldspar with quzrtz and calcite; ubiquitous magnetite; rare visible sulfides.
149.7	151.2	BX	Breccia; intensely potassic pink with green and black mottlers; as sub-intervals 139.1 - 141.5 m and 144.7 - 146.6 m; numerous rounded, irregular voids with magnetite and actinolite and abundant magnetit; trace chalcopyrite; chloritic fractures; lotsa quartz-calcite (with chlorite and magnetite) veining; broken at bottom.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
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Drillhole Report

MP-01-41

Zone	Springer	Easting	1518.1	Drilled By	F. Boisvenu Drilling
Length (m)	151.2	Northing	3750.8	Logged By	G. Gillstrom
		Elevation	1178.5	Comments	

Depth	Az	Dip	Survey Type
0.0	350	-50	Head Set
151.2	350	-48	Acid Test

Lithology

From	To	LITH	Description
0.0	1.8	CA	Casing; no recovery.
1.8	151.8	BX	Pink k-spar breccia; very little PP texture left; green oxide on most faces; rare white/grey sections (<1 m) with calcite veining; magnetite blebs throughout. 46.0 52.7 m: abundant magnetite (blebs/veinlets). No dykes to 87.7 m.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
87.8	90.0	73696	0.531	0.057	0.16	4.66
90.0	92.0	73697	0.527	0.071	0.17	4.95
11.0	12.6	72419	0.387	0.304	0.43	5.25
12.6	14.8	72420	0.707	0.448	1.21	4.94
14.8	16.4	72421	1.108	0.476	2.80	4.49
16.4	18.1	72422	0.602	0.202	1.03	4.88
18.1	20.1	72423	0.324	0.128	0.26	4.05
20.1	22.0	72424	0.358	0.020	0.22	3.90
22.0	24.1	72425	0.523	0.072	0.33	4.35
24.1	26.2	73654	0.372	0.156	0.33	4.06
26.2	27.7	73655	0.265	0.072	0.32	3.49
27.7	29.3	73657	0.254	0.116	0.26	3.88
29.3	30.7	73658	0.675	0.498	0.57	5.39
30.7	32.5	73659	0.617	0.197	0.48	4.47
32.5	35.0	73660	0.564	0.240	0.45	4.21
35.0	37.0	73661	0.539	0.339	0.77	4.58
37.0	39.0	73662	0.537	0.304	0.64	4.30
39.0	41.0	73663	0.543	0.308	0.63	4.08
41.0	42.2	73664	0.887	0.134	0.97	4.41
42.2	43.2	73665	0.420	0.145	0.39	5.19
43.2	44.4	73666	0.773	0.525	0.77	4.49
44.4	46.4	73667	0.814	0.410	0.86	4.82
46.4	47.5	73669	0.698	0.104	0.74	4.76
47.5	48.4	73670	0.445	0.084	0.50	13.40
48.4	50.5	73671	0.576	0.058	0.48	3.63
50.5	52.7	73672	0.768	0.309	0.73	5.13
52.7	54.7	73673	0.686	0.314	0.58	5.76
54.7	56.7	73674	0.721	0.155	0.58	4.81
56.7	58.7	73675	0.694	0.143	0.69	4.50
58.7	60.7	73676	0.951	0.128	1.41	4.41
60.7	62.7	73677	1.153	0.150	2.09	4.77

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
62.7	64.7	73678	0.565	0.164	0.48	5.51
64.7	65.8	73679	0.467	0.433	0.38	5.24
65.8	67.1	73681	0.426	0.208	0.42	4.62
92.0	94.0	73698	0.473	0.088	0.15	5.00
67.1	68.6	73682	0.407	0.089	0.35	4.31
68.6	69.8	73683	0.374	0.304	0.33	5.14
69.8	71.7	73684	0.568	0.369	0.97	4.74
71.7	72.7	73685	0.327	0.103	0.17	5.05
72.7	73.3	73686	0.646	0.270	0.56	4.52
73.3	75.3	73687	0.726	0.078	0.52	5.04
75.3	77.2	73688	0.822	0.128	0.50	4.88
77.2	78.2	73689	0.595	0.079	0.41	4.83
78.2	80.7	73690	0.335	0.041	0.28	4.39
80.7	82.2	73691	0.732	0.083	0.55	4.73
82.2	84.1	73692	0.395	0.039	0.18	5.00
84.1	86.1	73694	0.707	0.087	0.37	5.14
86.1	87.8	73695	0.601	0.047	0.27	4.49
94.0	96.0	73699	0.412	0.079	0.16	5.11
96.0	98.0	73700	0.312	0.061	0.12	4.79
98.0	100.0	73701	0.282	0.086	0.09	5.56
100.0	102.0	73702	0.210	0.135	0.09	5.33
102.0	104.0	73703	0.318	0.081	0.10	6.18
104.0	106.0	73704	0.411	0.077	0.40	6.94
106.0	108.0	73705	0.943	0.122	0.69	7.29
108.0	110.0	73706	0.337	0.045	0.19	7.24
110.0	112.0	73707	0.201	0.031	0.15	5.86
112.0	114.0	73708	0.208	0.033	0.12	6.71
114.0	116.0	73709	0.101	0.013	0.12	5.86
116.0	118.0	73711	0.100	0.016	0.09	6.85
118.0	120.0	73712	0.097	0.025	0.12	7.25
120.0	122.0	73713	0.149	0.031	0.13	7.53
122.0	124.0	73714	0.099	0.010	0.08	6.86
124.0	126.0	73715	0.039	0.005	0.04	5.73
126.0	127.8	73716	0.063	0.007	0.05	5.96
127.8	130.0	73717	0.176	0.033	0.12	5.03
130.0	132.0	73718	0.165	0.021	0.15	4.79
132.0	134.0	73719	0.253	0.046	0.22	4.72
134.0	136.0	73720	0.146	0.021	0.12	3.91
136.0	138.0	73721	0.235	0.050	0.17	5.00
138.0	140.1	73723	0.518	0.091	0.91	5.88
140.1	142.5	73724	0.172	0.029	0.22	7.16
142.5	143.9	73725	0.361	0.083	0.64	7.37

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
143.9	145.7	73726	0.200	0.047	0.22	4.95
145.7	148.2	73727	0.300	0.071	0.48	5.71
148.2	149.1	73728	0.274	0.057	0.45	5.86
149.1	151.2	73729	0.142	0.031	0.57	6.07

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-42

Zone	Springer	Easting	1518.9	Drilled By	F. Boisvenu Drilling
Length (m)	269.4	Northing	3750.4	Logged By	G. Gillstrom
		Elevation	1178.5	Comments	

Depth	Az	Dip	Survey Type
0.0	165	-50	Head Set
96.3	165	-47	Acid Test
269.4	165	-49	Acid Test

Lithology

From	To	LITH	Description
0.0	7.9	CA	Casing; no recovery.
7.9	41.7	BX	Pink, k-spar breccia; abundant green copper oxide on all fractures to 41.7 m; magnetite in veinlets and blebs throughout. No dykes or major faults. Chrysocolla staining and blebs on many surfaces. Minor calcite veining.
41.7	71.2	BX	Unoxidized breccia; grey/pink to mottled (grey/pink/black); blebbed/veined magnetite. No chrysocolla. No dykes or faults. Rare visible chalcopyrite.
71.2	84.1	BX	Grey/brown mottled breccia; remnant porphyry texture. Increase in magnetite blebs/contorted veinlets. Very little visible chalcopyrite. No daykes; no faults.
84.1	103.4	BX	Pink k-spar breccia; no oxide. Abundant magnetite veining/blebs. Calcite veins. No dykes. No faults. No visible chalcopyrite. Increase in grey/pink sections at 93.0 m.
103.4	110.6	BX	Black/pink controted breccia. Abundant black magnetite and calcite veining.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
208.0	210.0	73845	0.472	0.019	0.35	5.67
7.9	9.0	73730	0.628	0.573	0.92	4.66
9.0	11.0	73741	0.581	0.541	1.10	4.41
11.0	13.0	73742	0.586	0.493	0.94	4.44
13.0	15.0	73743	0.539	0.436	0.86	5.20
15.0	17.0	73744	0.547	0.344	1.00	5.51
17.0	18.5	73745	0.391	0.345	0.59	5.55
18.5	20.0	73746	0.400	0.355	0.23	6.65
20.0	21.8	73747	0.980	0.901	1.45	3.75
21.8	23.5	73748	0.515	0.487	0.68	3.90
23.5	25.0	73749	1.166	1.024	1.73	4.05
25.0	27.0	73731	0.642	0.620	1.72	3.23
27.0	29.0	73732	0.691	0.612	1.37	3.84
29.0	31.0	73733	0.825	0.076	0.68	5.02
31.0	32.0	73734	1.204	0.292	0.86	4.82
32.0	34.0	73735	1.127	0.997	0.53	5.52
34.0	36.0	73736	0.628	0.304	0.49	5.40
36.0	37.8	73737	0.833	0.276	2.34	4.47
37.8	39.9	73738	1.035	0.168	2.33	4.67
39.9	41.7	73739	1.502	0.537	1.49	3.98
41.7	43.1	73740	1.426	0.088	1.35	3.76
43.1	45.0	73752	1.559	0.090	1.49	5.38
45.0	46.8	73753	0.537	0.135	0.82	5.77
46.8	49.0	73754	0.340	0.112	0.63	4.97
49.0	51.2	73755	0.220	0.048	0.31	5.48
51.2	52.3	73756	0.352	0.082	0.47	8.03
52.3	53.7	73757	0.462	0.253	0.64	6.89
53.7	55.2	73758	0.291	0.228	0.26	6.82
55.2	56.9	73759	0.380	0.046	0.31	6.39
56.9	58.9	73760	0.435	0.315	0.57	8.61

Lithology

From	To	LITH	Description
110.6	134.0	BX	Pink breccia as above with 0.0 - 1 m section of more intense potassic alteration. No dykes. 132.0 - 134.0 m: solid pink breccia with oxidized fractures. 132.0 - 133.5 m: minor fault.
134.0	245.5	BX	Grey/black/pink breccia; solid runs; minor calcite veining; abundant magnetite (blebs/veins); visible chalcopyrite; sections of (1-2 m) of solid pink k-spar breccia. 188.0 - 192.0 m: fault; no gouge; fractured; no green oxides; fractured at both ends (no measurable angles). 199.0 - 200.0 m: small brown/grey mottled brecciated intrusive dyke; abundant visible chalcopyrite; no k-spar. 223.0 m: small fault; 10 cm; crushed. 231.0 m: small fault; 0.5 m 242.0 - 245.5 m: well-healed contorted breccia with fine magnetite veinlets, 2-4 cm angular pink clasts; tonnes of magnetite in blobs/veinlets; visible chalcopyrite. 245.0 - 245.5 m: small fault; no gough; 48 CA.
245.5	276.2	BX	Grey breccia, with pink veinlets/clots; increase in calcite veinlets; less magnetite - still abundant but less veinlets and blebs; chalcopyrite very fine and on rare fractures. 267.0 - 269.5 m: long solid pink section with visible chalcopyrite and on fractures.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
58.9	60.0	73762	0.298	0.077	0.27	5.73
60.0	61.8	73763	0.834	0.055	0.66	6.61
61.8	63.8	73764	0.458	0.026	0.53	6.04
63.8	65.8	73765	0.548	0.035	0.59	6.40
65.8	67.8	73766	0.419	0.027	0.25	7.51
67.8	69.8	73767	0.269	0.009	0.14	6.17
69.8	71.2	73768	0.330	0.015	0.14	6.73
71.2	72.0	73769	0.248	0.013	0.09	5.86
72.0	74.0	73770	0.319	0.025	0.13	5.43
74.0	76.0	73771	0.954	0.081	0.29	5.25
76.0	78.0	73772	0.472	0.058	0.19	5.09
78.0	80.0	73774	0.335	0.034	0.15	4.90
80.0	82.0	73775	0.360	0.019	0.20	4.57
82.0	84.1	73776	0.198	0.044	0.07	4.98
84.1	86.0	73777	0.306	0.052	0.24	5.63
86.0	88.0	73778	0.348	0.015	0.26	4.23
88.0	90.0	73779	0.143	0.011	0.04	4.55
90.0	92.0	73780	0.070	0.025	0.01	4.92
92.0	94.0	73781	0.190	0.009	0.06	7.67
94.0	96.0	73782	0.084	0.006	0.03	6.75
96.0	98.0	73783	0.077	0.005	0.03	5.80
98.0	100.0	73784	0.089	0.006	0.02	4.49
100.0	102.0	73786	0.109	0.023	0.04	4.53
102.0	104.0	73787	0.090	0.014	0.05	6.11
104.0	106.0	73788	0.063	0.011	0.03	7.42
106.0	108.0	73789	0.035	0.005	0.01	5.05
108.0	110.0	73790	0.041	0.008	0.02	6.47
110.0	112.0	73791	0.075	0.049	0.03	6.17
112.0	114.0	73792	0.063	0.025	0.03	5.89
114.0	116.0	73793	0.032	0.001	0.01	6.46
116.0	118.0	73794	0.019	0.007	0.02	5.79
118.0	120.0	73795	0.028	0.004	0.02	4.94
120.0	122.0	73796	0.044	0.015	0.02	5.75
122.0	124.0	73797	0.045	0.003	0.02	4.30
124.0	126.0	73800	0.036	0.008	0.02	4.88
126.0	128.0	73801	0.033	0.019	0.02	3.99
128.0	130.0	73802	0.099	0.082	0.03	4.75
130.0	132.0	73803	0.164	0.087	0.05	4.76
132.0	134.0	73804	0.426	0.128	0.34	1.57
134.0	136.0	73799	0.182	0.028	0.04	5.33
136.0	138.0	73805	0.071	0.006	0.01	5.41
138.0	140.0	73806	0.204	0.017	0.07	5.06

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
140.0	142.0	73807	0.102	0.024	0.04	5.62
142.0	144.0	73808	0.099	0.014	0.02	5.47
144.0	146.0	73809	0.125	0.003	0.03	5.38
146.0	148.0	73811	0.245	0.008	0.05	5.62
148.0	150.0	73812	0.172	0.004	0.06	4.98
150.0	152.0	73813	0.289	0.007	0.08	4.68
152.0	154.0	73814	0.133	0.005	0.05	3.82
154.0	156.0	73815	0.266	0.008	0.09	6.60
156.0	158.0	73816	0.271	0.009	0.06	5.64
158.0	160.0	73818	0.202	0.017	0.08	6.57
160.0	162.0	73819	0.277	0.019	0.09	5.44
162.0	164.0	73820	0.355	0.020	0.12	5.10
210.0	212.0	73846	0.497	0.022	0.49	5.07
212.0	213.7	73847	0.734	0.032	0.74	5.19
213.7	215.2	73848	1.002	0.067	1.25	6.01
215.2	217.9	73850	0.531	0.021	0.52	4.97
217.9	219.0	73851	0.394	0.015	0.52	3.00
164.0	166.0	73821	0.555	0.033	0.20	5.01
166.0	168.0	73822	0.557	0.037	0.19	5.98
168.0	170.0	73823	0.355	0.026	0.13	5.80
170.0	172.0	73825	0.591	0.039	0.18	6.70
172.0	174.0	73826	0.569	0.026	0.24	5.77
174.0	176.0	73827	0.626	0.022	0.30	5.74
176.0	178.0	73828	0.603	0.017	0.23	5.42
178.0	180.0	73829	0.603	0.030	0.19	6.03
180.0	182.0	73830	0.352	0.021	0.12	5.18
182.0	184.0	73831	0.571	0.028	0.16	5.08
184.0	186.0	73832	0.535	0.032	0.17	4.51
186.0	188.0	73833	0.594	0.044	0.21	5.50
188.0	190.0	73834	0.508	0.041	0.28	5.37
190.0	192.0	73835	0.601	0.067	0.34	7.17
192.0	194.0	73837	0.474	0.022	0.22	6.12
194.0	196.0	73838	0.514	0.021	0.25	5.45
196.0	198.0	73839	0.731	0.026	0.34	6.10
198.0	200.0	73840	0.198	0.009	0.08	5.13
200.0	202.0	73841	0.374	0.013	0.16	5.82
202.0	204.0	73842	0.865	0.028	0.51	5.24
204.0	206.0	73843	0.817	0.032	0.46	5.38
206.0	208.0	73844	0.560	0.022	0.35	5.98
219.0	221.0	73852	0.624	0.028	1.12	4.78
221.0	223.2	73853	0.674	0.050	1.03	5.39
223.2	224.9	73854	0.768	0.078	0.86	4.99

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
224.9	226.1	73855	0.549	0.050	0.59	4.88
226.1	227.4	73856	0.477	0.014	0.44	4.21
227.4	230.1	73857	0.764	0.047	0.89	4.55
230.1	232.4	73858	0.699	0.253	0.75	5.54
232.4	235.0	73859	0.799	0.040	0.78	4.61
235.0	237.0	73861	0.914	0.031	0.83	4.45
237.0	239.0	73862	0.521	0.019	0.66	4.75
239.0	240.6	73863	0.667	0.028	0.87	4.74
240.6	241.6	73864	0.516	0.020	0.68	4.14
241.6	242.7	73865	0.594	0.020	0.75	4.48
242.7	245.5	73866	0.373	0.034	0.31	6.38
245.5	247.0	73867	0.067	0.005	0.04	5.57
247.0	249.0	73868	0.081	0.007	0.05	5.70
249.0	251.0	73869	0.098	0.008	0.05	5.65
251.0	253.0	73870	0.185	0.013	0.12	5.83
253.0	254.8	73871	0.196	0.014	0.16	6.73
254.8	257.0	73872	0.238	0.028	0.12	6.16
257.0	259.0	73874	0.086	0.003	0.05	5.17
259.0	261.0	73875	0.101	0.004	0.08	5.39
261.0	263.0	73876	0.111	0.005	0.05	6.44
263.0	265.0	73877	0.114	0.006	0.05	6.08
265.0	267.0	73878	0.151	0.007	0.03	5.66
267.0	269.0	73879	0.269	0.013	0.09	4.23
269.0	271.0	73880	0.242	0.024	0.10	4.70
271.0	273.0	73881	0.336	0.018	0.14	5.91
273.0	274.5	73882	0.312	0.014	0.14	6.03
274.5	276.2	73883	0.168	0.008	0.09	5.13

Mount Polley Mining Corporation
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Drillhole Report

MP-01-43

Zone	Springer	Easting	1551.8	Drilled By	F. Boisvenu Drilling
Length (m)	203.0	Northing	3679.4	Logged By	G. Gillstrom
		Elevation	1202.6	Comments	

Depth	Az	Dip	Survey Type
0.0	160	-50	Head Set
90.2	160	-50	Acid Test
169.5	160	-49	Acid Test

Lithology

From	To	LITH	Description
0.0	3.4	CA	Casing; no recovery.
3.4	7.2	BX	Pink breccia (solid k-spar matrix); remnant white spotted porphyry texture; green copper oxides on fractures.
7.2	12.8	BX	Black contorted breccia; fine magnetite veinlets; minor visible chalcopyrite.
12.8	17.0	BX	Same pink breccia as 3.4 m with porphyry texture.
17.0	47.9	BX	Alternating sections of pink and grey/black breccia; pink sections do not have remnant porphyry texture; abundant calcite veining; green copper oxides on fracture; rare chrysocolla with the oxides. 20.0 - 23.2 m: fault zone; shattered; no gouge; well oxidized 26.9 - 29.5 m: fault zone; shattered; no gouge; well oxidized 32.5 - 34.0 m: fault zone; shattered; no gouge; well oxidized. 43.0 - 44.0 m: fractured; milled to gravel; ".4 m of gouge washed out" - driller's note.
47.9	53.9	BX	Pink, mildly brecciated porphyry; white round feldspar phenocrysts; minor magnetite veining; rare magnetite pods; zone ends in fault.
53.9	99.4	BX	Pink breccia; abundant calcite veinlets; magnetite blebs; oxidized and moderately fractures along calcite veinlets through to 98.0 m. 53.9 - 56.2 m: fault; black, highly fractured breccia; no gouge. 72.3 - 73.9 m: small black, very hard, siliceous dyke. 86.5 - 86.8 m: small fault; minor gouge. 95.0 - 99.0 m: large fault; totally fractures; milled to gravel; 10% gouge; green copper oxides on most fractures.
99.4	203.0	BX	Pink/brown breccia; abundant magnetite; copper oxide on most fractures; minor chrysocolla on some fractures and in rare blebs; minor chalcopyrite visible in rare sections. 114.0 - 125.0 m: big fault zone; highly milled; mostly 'hockey pucks'; 25% gravel; 10% gouge. 157.2 - 165.0 m: big fault; as above; mostly 'hockey pucks'; 40% gravel; 5% gouge. 170. - 176.0 m: big fault; as above 157.2 m. From 176.0 m: alternating pink, with grey/black breccia to end of hole; all moderately fractured; visible chalcopyrite on rare fractures; abundant magnetite through hole.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.4	5.2	73885	0.789	0.762	0.66	5.99
5.2	7.2	73886	0.333	0.293	0.24	5.57
7.2	8.5	73887	0.158	0.109	0.07	5.85
8.5	10.8	73888	0.212	0.130	0.09	6.68
10.8	12.8	73889	0.379	0.205	0.13	6.04
12.8	15.0	73890	0.311	0.285	0.18	5.54
15.0	17.0	73891	0.403	0.359	0.25	5.56
17.0	19.2	73892	0.231	0.170	0.12	5.52
19.2	21.6	73893	0.244	0.203	0.18	6.26
21.6	23.2	73894	0.107	0.071	0.06	5.61
23.2	23.7	73896	0.182	0.117	0.12	5.64
23.7	26.0	73897	0.235	0.198	0.30	8.11
26.0	26.9	73898	0.232	0.209	0.28	6.65
26.9	27.7	73899	0.315	0.214	0.32	6.18
27.7	30.1	73900	0.193	0.153	0.20	8.96
30.1	32.3	73901	0.195	0.138	0.22	7.43
32.3	34.7	73902	0.214	0.161	0.15	7.22
34.7	36.3	73903	0.178	0.156	0.14	7.31
36.3	38.1	73904	0.229	0.208	0.21	7.29
38.1	39.8	73905	0.086	0.075	0.08	2.59
39.8	41.3	73907	0.236	0.181	0.14	7.34
41.3	42.2	73908	0.087	0.061	0.07	6.17
42.2	44.4	73909	0.190	0.143	0.07	6.83
44.4	46.2	73910	0.150	0.079	0.05	6.47
46.2	47.9	73911	0.116	0.072	0.07	6.44
47.9	49.2	73912	0.118	0.081	0.07	6.99
49.2	50.4	73913	0.087	0.065	0.05	6.09
50.4	51.4	73914	0.136	0.109	0.06	7.32
51.4	53.9	73915	0.111	0.083	0.07	4.64
53.9	56.2	73916	0.053	0.030	0.02	6.15

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
56.2	58.2	73918	0.060	0.037	0.04	5.22
58.2	59.5	73919	0.054	0.027	0.02	5.61
59.5	61.5	73920	0.110	0.082	0.04	5.01
61.5	62.6	73921	0.099	0.069	0.03	4.56
62.6	64.4	73922	0.134	0.064	0.04	5.35
64.4	66.2	73923	0.079	0.037	0.03	4.46
66.2	68.7	73924	0.088	0.036	0.03	3.32
68.7	69.6	73925	0.044	0.014	0.02	5.06
69.6	71.0	73926	0.085	0.038	0.05	4.27
71.0	72.3	73927	0.038	0.022	0.03	4.54
72.3	73.9	73929	0.055	0.038	0.04	3.97
73.9	75.6	73930	0.043	0.017	0.03	4.34
75.6	78.3	73931	0.049	0.018	0.03	5.41
78.3	79.6	73932	0.057	0.018	0.05	3.78
79.6	81.6	73933	0.094	0.039	0.09	5.30
81.6	83.1	73934	0.037	0.012	0.02	5.67
83.1	84.4	73935	0.076	0.037	0.05	4.58
84.4	86.9	73936	0.075	0.023	0.04	6.28
86.9	88.0	73937	0.072	0.023	0.06	4.95
88.0	90.5	73938	0.063	0.030	0.06	2.91
90.5	92.0	73940	0.066	0.031	0.05	6.17
92.0	92.8	73941	0.090	0.070	0.17	2.88
92.8	94.5	73942	0.161	0.110	0.22	8.39
94.5	96.5	73943	0.218	0.165	0.15	4.36
96.5	98.0	73944	0.400	0.360	0.25	5.31
98.0	99.4	73945	0.569	0.498	0.15	5.90
99.4	101.2	73946	0.487	0.457	0.05	6.37
101.2	104.0	73947	0.533	0.407	0.15	4.52
104.0	106.4	73948	0.285	0.110	0.14	5.46
106.4	108.5	73949	0.525	0.426	0.21	5.91
108.5	110.1	73951	0.370	0.317	0.18	6.00
110.1	112.0	73952	0.355	0.278	0.12	5.00
112.0	113.2	73953	0.506	0.124	0.20	5.02
113.2	114.7	73954	0.319	0.241	0.17	5.69
114.7	116.2	73955	0.288	0.170	0.14	5.61
116.2	117.2	73956	0.288	0.170	0.14	5.61
117.2	119.8	73957	0.221	0.157	0.08	5.07
119.8	121.9	73958	0.466	0.402	0.14	6.01
121.9	125.2	73959	0.495	0.439	0.20	5.40
125.2	126.8	73960	0.510	0.261	0.18	5.22
126.8	127.9	73962	0.501	0.446	0.19	4.75
127.9	129.7	73963	0.383	0.338	0.19	4.94

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
129.7	130.7	73964	0.309	0.229	0.08	10.70
130.7	132.7	73965	0.357	0.309	0.15	5.77
132.7	134.9	73966	0.451	0.372	0.19	6.35
134.9	136.4	73967	0.397	0.313	0.09	6.80
136.4	138.6	73968	0.282	0.111	0.09	4.65
138.6	139.8	73969	0.493	0.302	0.20	6.76
139.8	141.9	73970	0.786	0.475	0.27	6.11
141.9	143.1	73971	0.490	0.396	0.26	6.12
143.1	145.4	73973	0.674	0.510	0.14	5.42
145.4	146.3	73974	0.408	0.335	0.13	6.33
146.3	147.1	73975	0.307	0.262	0.10	6.24
147.1	149.0	73976	0.306	0.162	0.11	6.08
149.0	151.3	73977	0.796	0.632	0.33	6.20
151.3	152.8	73978	0.506	0.430	0.20	6.19
152.8	154.4	73979	0.237	0.146	0.07	5.88
154.4	155.9	73980	0.359	0.319	0.09	6.07
155.9	158.6	73981	0.422	0.402	0.11	7.05
158.6	160.4	73982	0.219	0.150	0.07	3.98
160.4	161.9	73984	0.079	0.031	0.05	5.54
161.9	163.6	73985	0.089	0.039	0.03	5.11
163.6	164.9	73986	0.085	0.042	0.03	6.55
164.9	165.5	73987	0.370	0.345	0.05	6.25
165.5	166.9	73988	0.156	0.128	0.04	6.31
166.9	167.9	73989	0.104	0.056	0.04	5.93
167.9	169.4	73990	0.068	0.035	0.02	4.30
169.4	171.2	73991	0.102	0.073	0.03	5.98
171.2	173.0	73992	0.056	0.046	0.01	5.63
173.0	175.5	73993	0.071	0.059	0.01	6.31
175.5	176.9	73995	0.062	0.021	0.01	4.45
176.9	178.8	73996	0.085	0.040	0.01	5.05
178.8	180.1	73997	0.072	0.010	0.01	6.69
180.1	181.5	73998	0.055	0.024	0.01	5.56
181.5	183.3	73999	0.051	0.006	0.01	5.66
183.3	185.0	74000	0.064	0.011	0.01	5.78
185.0	186.6	74148	0.066	0.004	0.01	4.61
186.6	188.0	74149	0.129	0.022	0.09	3.89
188.0	189.4	74150	0.031	0.005	0.01	5.47
189.4	191.1	74151	0.035	0.005	0.01	5.22
191.1	192.4	74153	0.042	0.007	0.01	5.79
192.4	194.7	74154	0.096	0.008	0.02	4.85
194.7	196.8	74155	0.137	0.015	0.06	4.87
196.8	197.8	74156	0.068	0.010	0.01	5.17

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
197.8	200.5	74157	0.061	0.009	0.01	4.84
200.5	202.2	74158	0.031	0.003	0.01	5.58
202.2	203.0	74159	0.054	0.027	0.02	4.89

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-44

Zone	Springer	**Easting**	1630.8	**Drilled By**	F. Boisvenu Drilling
Length (m)	206.0	**Northing**	3615.9	**Logged By**	G. Gillstrom
		Elevation	1207.4	**Comments**	

Depth	Az	Dip	Survey Type
123.9	268	-50	Acid Test
0.0	268	-50	Head Set
114.6	268	-45	Acid Test

Lithology

From	To	LITH	Description
0.0	0.6	CA	Casing; no recovery.
0.6	5.0	BX	Pink/grey contorted breccia with minor monzonite dyking; magnetite/chalcopyrite visible. 5.0 - 6.0 m: small high angle fault (70 CA).
5.0	11.0	MZ	White salt-and-pepper monzonite dyke; fractures; disseminated magnetite; minor calcite veining; some pink breccia mixed in.
11.0	53.0	BX	Pink, intense k-spar breccia, similar to central Cariboo; abundant magnetite disseminations and veins; visible chalcopyrite; green/yellow oxides on most surfaces; highly fractured through zone; abundant calcite veining.
53.0	63.5	BX	Grey/pink breccia; loss of intense k-spar; abundant green oxide on fractures.
63.5	68.0	BX	Pink intense breccia as 1.0 - 53.0 m.
68.0	105.5	BX	Grey pink as 53.0 - 63.5 m with calcite in large blebs and veins. 78.5 - 81.5 m: fault; highly fractured; 30% milled to gravel; no gouge; no measurable contacts. 93.0 - 97.8 m: fault zone; highly fractured; 50% milled to coarse gravel; no gouge.
105.5	108.0	BX	Black, solid breccia; silicified; fine pink k-spar veining; green oxides on fractures.
108.0	118.5	BX	Pink/grey breccia as 53.0 m. 111.6 - 115.0 m: fault; totally shattered; 20% milled to gravel; no gouge.
118.5	119.4	DYKE	Small green augite porphyry dyke; Cariboo type.
119.4	123.8	BX	Breccia, as 108.0 - 118.5 m.
123.8	133.5	BX	Pink intense k-spar breccia as 11.0 - 53.0 m, with abundant coarse magnetite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
0.6	3.3	73335	0.070	0.047	0.03	5.33
3.3	5.0	73336	0.056	0.029	0.03	5.00
5.0	5.9	73337	0.153	0.101	0.05	5.44
5.9	6.7	73338	0.060	0.024	0.04	4.63
6.7	8.1	73339	0.080	0.050	0.03	6.51
8.1	9.6	73340	0.288	0.222	0.13	7.01
9.6	11.1	73341	0.109	0.068	0.04	6.40
11.1	13.5	73342	0.077	0.043	0.02	4.57
13.5	14.9	73343	0.098	0.073	0.03	3.10
14.9	16.4	73344	0.195	0.151	0.07	3.91
16.4	18.0	73346	0.124	0.097	0.04	5.42
18.0	20.0	73347	0.180	0.156	0.07	4.18
20.0	22.0	73348	0.134	0.105	0.05	3.56
22.0	24.0	73349	0.117	0.085	0.03	4.17
24.0	26.0	73350	0.130	0.102	0.03	3.64
26.0	28.0	73351	0.075	0.049	0.02	5.71
28.0	30.0	73352	0.061	0.047	0.01	3.62
30.0	32.0	73353	0.065	0.034	0.02	4.78
32.0	34.0	73354	0.079	0.050	0.01	4.59
34.0	36.0	73355	0.054	0.025	0.02	4.16
36.0	38.0	73357	0.083	0.051	0.02	5.43
38.0	40.0	73358	0.146	0.097	0.04	5.15
40.0	42.0	73359	0.110	0.044	0.03	4.33
42.0	44.0	73360	0.096	0.051	0.02	4.87
44.0	46.0	73361	0.131	0.076	0.03	4.73
46.0	48.0	73362	0.243	0.198	0.30	4.72
48.0	50.0	73363	0.322	0.258	0.21	4.14
50.0	52.0	73364	0.328	0.250	0.09	4.99
52.0	54.0	73365	0.435	0.313	0.12	5.51
54.0	56.0	73366	0.481	0.072	0.14	4.35

Lithology

From	To	LITH	Description
133.5	191.6	BX	Alternating pink with grey-pink breccia to 191.6 m (2-4 m sections of each type); visible chalcopyrite in many sections; green oxides rare. 159.0 - 160.3 m: small fault; milled to gravel.
191.6	206.0	FAULT	Large fault zone in breccia. 192.5 - 193.5 m: totally milled to gravel and mush. 192.5 - 200.8 m: healed with calcite veins; altered to clay. 200.8 - 203.0 m: solid grey breccia. 203.0 - 206.1: totally milled to clay altered mush and gravel size chunks with 20% gouge.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
56.0	58.0	73368	0.374	0.180	0.09	4.67
58.0	60.0	73369	0.613	0.441	0.15	4.95
60.0	62.0	73370	0.593	0.460	0.15	5.41
62.0	63.9	73371	0.355	0.316	0.10	5.14
63.9	65.9	73372	0.155	0.093	0.05	3.48
65.9	68.2	73373	0.214	0.153	0.13	5.61
68.2	69.3	73374	0.160	0.123	0.06	3.93
69.3	71.0	73375	0.133	0.089	0.05	5.64
71.0	73.0	73376	0.111	0.047	0.04	7.13
73.0	74.6	73377	0.077	0.030	0.03	5.39
74.6	77.0	73379	0.141	0.081	0.07	4.71
77.0	79.0	73380	0.181	0.075	0.08	5.32
79.0	81.0	73381	0.211	0.126	0.07	5.69
81.0	83.0	73382	0.321	0.225	0.54	5.36
83.0	85.0	73383	0.198	0.088	0.07	6.15
85.0	87.0	73384	0.116	0.037	0.05	5.24
87.0	87.9	73385	0.055	0.016	0.04	5.36
87.9	89.6	73386	0.127	0.087	0.05	3.78
89.6	90.8	73387	0.136	0.049	0.07	4.20
90.8	93.0	73388	0.282	0.183	0.17	3.31
93.0	95.0	73390	0.498	0.360	0.21	5.09
95.0	96.3	73391	0.446	0.256	0.28	6.74
96.3	97.8	73392	0.395	0.250	0.22	5.49
97.8	99.9	73393	0.467	0.260	0.25	6.20
99.9	101.8	73394	0.321	0.165	0.18	6.38
101.8	103.9	73395	0.417	0.245	0.16	4.92
103.9	105.5	73396	0.353	0.177	0.11	3.23
105.5	107.1	73397	0.226	0.095	0.05	5.32
107.1	108.3	73398	0.419	0.099	0.08	5.34
108.3	110.1	73399	0.629	0.127	0.15	3.88
110.1	112.3	73401	0.293	0.062	0.07	5.10
112.3	114.0	73402	0.265	0.066	0.11	5.10
114.0	115.8	73403	0.377	0.178	0.13	4.66
115.8	118.5	73404	0.253	0.163	0.10	5.86
118.5	119.4	73405	0.053	0.031	0.01	5.78
119.4	121.4	73406	0.089	0.037	0.02	4.88
121.4	123.8	73407	0.100	0.039	0.03	5.49
123.8	126.0	73408	0.151	0.092	0.05	4.30
126.0	128.0	73409	0.204	0.101	0.06	4.64
128.0	130.0	73410	0.123	0.082	0.03	3.65
130.0	132.0	73412	0.175	0.122	0.09	5.73
132.0	133.5	73413	0.200	0.137	0.04	6.17

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
133.5	134.9	73414	0.207	0.114	0.09	5.55
134.9	136.0	73415	0.006	0.002	0.01	4.06
136.0	138.0	73416	0.022	0.005	0.01	3.94
138.0	139.6	73417	0.009	0.002	0.01	3.99
139.6	142.0	73418	0.911	0.049	0.47	6.62
142.0	143.5	73419	0.267	0.161	0.12	5.04
143.5	144.5	73420	0.151	0.103	0.08	5.84
144.5	146.1	73421	0.183	0.093	0.09	5.60
146.1	148.0	73423	0.298	0.205	0.24	5.20
148.0	149.6	73424	0.253	0.149	0.19	6.03
149.6	151.3	73425	0.290	0.166	0.12	5.81
151.3	152.8	73426	0.224	0.107	0.14	4.66
152.8	154.3	73427	0.294	0.183	0.17	5.09
154.3	157.0	73428	0.339	0.059	0.35	6.06
157.0	159.0	73429	0.359	0.053	0.32	4.72
159.0	161.0	73430	0.246	0.170	0.11	3.82
161.0	163.0	73431	0.138	0.087	0.07	3.52
163.0	165.0	73432	0.163	0.094	0.09	3.86
165.0	167.0	73434	0.083	0.020	0.05	3.22
167.0	169.0	73435	0.129	0.064	0.20	4.04
169.0	171.1	73436	0.135	0.094	0.16	4.41
171.1	172.9	73437	0.242	0.176	0.18	5.61
172.9	174.5	73438	0.317	0.141	0.24	5.32
174.5	177.0	73439	0.240	0.107	0.24	4.67
177.0	178.7	73440	0.221	0.098	0.17	6.76
178.7	179.7	73441	0.101	0.055	0.07	4.57
179.7	182.3	73442	0.196	0.104	0.30	6.03
182.3	184.0	73443	0.115	0.072	0.15	3.54
184.0	186.0	73445	0.126	0.086	0.11	3.19
186.0	188.0	73446	0.139	0.093	0.15	3.19
188.0	190.0	73447	0.145	0.074	0.14	4.06
190.0	191.6	73448	0.216	0.055	0.17	3.97
191.6	194.0	73449	0.085	0.062	0.13	4.88
194.0	196.0	73450	0.073	0.042	0.06	4.69
196.0	198.0	73451	0.198	0.145	0.16	6.14
198.0	199.8	73452	0.129	0.088	0.07	4.51
199.8	200.8	73453	0.152	0.039	0.14	4.13
200.8	203.0	73454	0.096	0.039	0.05	4.90
203.0	204.5	73456	0.109	0.018	0.10	4.26
204.5	206.0	73457	0.097	0.017	0.05	5.02

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-44

Zone	Springer	**Easting**	1630.8	**Drilled By**	F. Boisvenu Drilling
Length (m)	206.0	**Northing**	3615.9	**Logged By**	G. Gillstrom
		Elevation	1207.4	**Comments**	

Depth	Az	Dip	Survey Type
123.9	268	-50	Acid Test
0.0	268	-50	Head Set
114.6	268	-45	Acid Test

Lithology

From	To	LITH	Description
0.0	0.6	CA	Casing; no recovery.
0.6	5.0	BX	Pink/grey contorted breccia with minor monzonite dyking; magnetite/chalcopyrite visible. 5.0 - 6.0 m: small high angle fault (70 CA).
5.0	11.0	MZ	White salt-and-pepper monzonite dyke; fractures; disseminated magnetite; minor calcite veining; some pink breccia mixed in.
11.0	53.0	BX	Pink, intense k-spar breccia, similar to central Cariboo; abundant magnetite disseminations and veins; visible chalcopyrite; green/yellow oxides on most surfaces; highly fractured through zone; abundant calcite veining.
53.0	63.5	BX	Grey/pink breccia; loss of intense k-spar; abundant green oxide on fractures.
63.5	68.0	BX	Pink intense breccia as 1.0 - 53.0 m.
68.0	105.5	BX	Grey pink as 53.0 - 63.5 m with calcite in large blebs and veins. 78.5 - 81.5 m: fault; highly fractured; 30% milled to gravel; no gouge; no measurable contacts. 93.0 - 97.8 m: fault zone; highly fractured; 50% milled to coarse gravel; no gouge.
105.5	108.0	BX	Black, solid breccia; silicified; fine pink k-spar veining; green oxides on fractures.
108.0	118.5	BX	Pink/grey breccia as 53.0 m. 111.6 - 115.0 m: fault; totally shattered; 20% milled to gravel; no gouge.
118.5	119.4	DYKE	Small green augite porphyry dyke; Cariboo type.
119.4	123.8	BX	Breccia, as 108.0 - 118.5 m.
123.8	133.5	BX	Pink intense k-spar breccia as 11.0 - 53.0 m, with abundant coarse magnetite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
0.6	3.3	73335	0.070	0.047	0.03	5.33
3.3	5.0	73336	0.056	0.029	0.03	5.00
5.0	5.9	73337	0.153	0.101	0.05	5.44
5.9	6.7	73338	0.060	0.024	0.04	4.63
6.7	8.1	73339	0.080	0.050	0.03	6.51
8.1	9.6	73340	0.288	0.222	0.13	7.01
9.6	11.1	73341	0.109	0.068	0.04	6.40
11.1	13.5	73342	0.077	0.043	0.02	4.57
13.5	14.9	73343	0.098	0.073	0.03	3.10
14.9	16.4	73344	0.195	0.151	0.07	3.91
16.4	18.0	73346	0.124	0.097	0.04	5.42
18.0	20.0	73347	0.180	0.156	0.07	4.18
20.0	22.0	73348	0.134	0.105	0.05	3.56
22.0	24.0	73349	0.117	0.085	0.03	4.17
24.0	26.0	73350	0.130	0.102	0.03	3.64
26.0	28.0	73351	0.075	0.049	0.02	5.71
28.0	30.0	73352	0.061	0.047	0.01	3.62
30.0	32.0	73353	0.065	0.034	0.02	4.78
32.0	34.0	73354	0.079	0.050	0.01	4.59
34.0	36.0	73355	0.054	0.025	0.02	4.16
36.0	38.0	73357	0.083	0.051	0.02	5.43
38.0	40.0	73358	0.146	0.097	0.04	5.15
40.0	42.0	73359	0.110	0.044	0.03	4.33
42.0	44.0	73360	0.096	0.051	0.02	4.87
44.0	46.0	73361	0.131	0.076	0.03	4.73
46.0	48.0	73362	0.243	0.198	0.30	4.72
48.0	50.0	73363	0.322	0.258	0.21	4.14
50.0	52.0	73364	0.328	0.250	0.09	4.99
52.0	54.0	73365	0.435	0.313	0.12	5.51
54.0	56.0	73366	0.481	0.072	0.14	4.35

Lithology

From	To	LITH	Description
133.5	191.6	BX	Alternating pink with grey-pink breccia to 191.6 m (2-4 m sections of each type); visible chalcopyrite in many sections; green oxides rare. 159.0 - 160.3 m: small fault; milled to gravel.
191.6	206.0	FAULT	Large fault zone in breccia. 192.5 - 193.5 m: totally milled to gravel and mush. 192.5 - 200.8 m: healed with calcite veins; altered to clay. 200.8 - 203.0 m: solid grey breccia. *203.0 - 206.1: totally milled to clay altered mush and gravel size chunks with 20% gouge.*

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
56.0	58.0	73368	0.374	0.180	0.09	4.67
58.0	60.0	73369	0.613	0.441	0.15	4.95
60.0	62.0	73370	0.593	0.460	0.15	5.41
62.0	63.9	73371	0.355	0.316	0.10	5.14
63.9	65.9	73372	0.155	0.093	0.05	3.48
65.9	68.2	73373	0.214	0.153	0.13	5.61
68.2	69.3	73374	0.160	0.123	0.06	3.93
69.3	71.0	73375	0.133	0.089	0.05	5.64
71.0	73.0	73376	0.111	0.047	0.04	7.13
73.0	74.6	73377	0.077	0.030	0.03	5.39
74.6	77.0	73379	0.141	0.081	0.07	4.71
77.0	79.0	73380	0.181	0.075	0.08	5.32
79.0	81.0	73381	0.211	0.126	0.07	5.69
81.0	83.0	73382	0.321	0.225	0.54	5.36
83.0	85.0	73383	0.198	0.088	0.07	6.15
85.0	87.0	73384	0.116	0.037	0.05	5.24
87.0	87.9	73385	0.055	0.016	0.04	5.36
87.9	89.6	73386	0.127	0.087	0.05	3.78
89.6	90.8	73387	0.136	0.049	0.07	4.20
90.8	93.0	73388	0.282	0.183	0.17	3.31
93.0	95.0	73390	0.498	0.360	0.21	5.09
95.0	96.3	73391	0.446	0.256	0.28	6.74
96.3	97.8	73392	0.395	0.250	0.22	5.49
97.8	99.9	73393	0.467	0.260	0.25	6.20
99.9	101.8	73394	0.321	0.165	0.18	6.38
101.8	103.9	73395	0.417	0.245	0.16	4.92
103.9	105.5	73396	0.353	0.177	0.11	3.23
105.5	107.1	73397	0.226	0.095	0.05	5.32
107.1	108.3	73398	0.419	0.099	0.08	5.34
108.3	110.1	73399	0.629	0.127	0.15	3.88
110.1	112.3	73401	0.293	0.062	0.07	5.10
112.3	114.0	73402	0.265	0.066	0.11	5.10
114.0	115.8	73403	0.377	0.178	0.13	4.66
115.8	118.5	73404	0.253	0.163	0.10	5.86
118.5	119.4	73405	0.053	0.031	0.01	5.78
119.4	121.4	73406	0.089	0.037	0.02	4.88
121.4	123.8	73407	0.100	0.039	0.03	5.49
123.8	126.0	73408	0.151	0.092	0.05	4.30
126.0	128.0	73409	0.204	0.101	0.06	4.64
128.0	130.0	73410	0.123	0.082	0.03	3.65
130.0	132.0	73412	0.175	0.122	0.09	5.73
132.0	133.5	73413	0.200	0.137	0.04	6.17

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
133.5	134.9	73414	0.207	0.114	0.09	5.55
134.9	136.0	73415	0.006	0.002	0.01	4.06
136.0	138.0	73416	0.022	0.005	0.01	3.94
138.0	139.6	73417	0.009	0.002	0.01	3.99
139.6	142.0	73418	0.911	0.049	0.47	6.62
142.0	143.5	73419	0.267	0.161	0.12	5.04
143.5	144.5	73420	0.151	0.103	0.08	5.84
144.5	146.1	73421	0.183	0.093	0.09	5.60
146.1	148.0	73423	0.298	0.205	0.24	5.20
148.0	149.6	73424	0.253	0.149	0.19	6.03
149.6	151.3	73425	0.290	0.166	0.12	5.81
151.3	152.8	73426	0.224	0.107	0.14	4.66
152.8	154.3	73427	0.294	0.183	0.17	5.09
154.3	157.0	73428	0.339	0.059	0.35	6.06
157.0	159.0	73429	0.359	0.053	0.32	4.72
159.0	161.0	73430	0.246	0.170	0.11	3.82
161.0	163.0	73431	0.138	0.087	0.07	3.52
163.0	165.0	73432	0.163	0.094	0.09	3.86
165.0	167.0	73434	0.083	0.020	0.05	3.22
167.0	169.0	73435	0.129	0.064	0.20	4.04
169.0	171.1	73436	0.135	0.094	0.16	4.41
171.1	172.9	73437	0.242	0.176	0.18	5.61
172.9	174.5	73438	0.317	0.141	0.24	5.32
174.5	177.0	73439	0.240	0.107	0.24	4.67
177.0	178.7	73440	0.221	0.098	0.17	6.76
178.7	179.7	73441	0.101	0.055	0.07	4.57
179.7	182.3	73442	0.196	0.104	0.30	6.03
182.3	184.0	73443	0.115	0.072	0.15	3.54
184.0	186.0	73445	0.126	0.086	0.11	3.19
186.0	188.0	73446	0.139	0.093	0.15	3.19
188.0	190.0	73447	0.145	0.074	0.14	4.06
190.0	191.6	73448	0.216	0.055	0.17	3.97
191.6	194.0	73449	0.085	0.062	0.13	4.88
194.0	196.0	73450	0.073	0.042	0.06	4.69
196.0	198.0	73451	0.198	0.145	0.16	6.14
198.0	199.8	73452	0.129	0.088	0.07	4.51
199.8	200.8	73453	0.152	0.039	0.14	4.13
200.8	203.0	73454	0.096	0.039	0.05	4.90
203.0	204.5	73456	0.109	0.018	0.10	4.26
204.5	206.0	73457	0.097	0.017	0.05	5.02

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-45

Zone	Springer	**Easting**	1843.2	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3222.0	**Logged By**	V. Park
		Elevation	1128.7	**Comments**	

Depth	Az	Dip	Survey Type
0.0	330	-45	Head Set
200.0	330	-42.5	Acid Test

Lithology

From	To	LITH	Description
0.0	6.8	CA	Casing; no recovery.
6.8	14.1	PPg	Plagioclase porphyry dyke; medium to dark grey, fine grained to aphanitic groundmass with white, usually very subtle plagioclase phenocrysts <1-2 mm; colour index increases and grain size decreases to lower contact, where potassic breccia clasts <1-2 cm are included; sharp but broken lower contact; regular conjugate sets of fractures at dm spacing. All fractures and broken surfaces are limonitic. Lighter grey, bleached-looking and sericitized to 11.2 m; numerous wispy white quartz veinlets, grossly parallel and in conjugate sets but becoming more wispy, irregular and stockworked toward lower contact - from 10.6 m. Numerous sub-mm, melanic (biotite and magnetite) stringers (203 orientations, all rotated relative to each other), occasionally oxidized to 10.6 m where quartz veining begins. Strong planar fabric locally, especially near lower contact - sub-parallel to CA. Strongly pyritic - all broken surfaces coated with yellow-bronze euhedral pyrite; no visible chalcopyrite.
14.1	17.3	BX	Breccia; pink to salmon-pink with grey mottling; composed of greyish equigranular dioritic clasts <2cm in an intensely potassic plagioclase porphyry (PPp) monzonite in which crowded white plagioclase laths <1-2 mm show a distinct trachytic texture/alignment, especially near end of interval; excellent breccia and igneous textures; two dominant fracture orientation (conjugate) as cm to dm spacing. 15.2 - 15.6 m: shattered. 16.3 - 17.2 m: shattered. Intense K-alteration; ubiquitous and often very strong sericite, especially near upper contact; weak to strong selective clay alteration of plagioclase phenocrysts, especially in shattered intervals Strong oxidation and some localized limonitic staining in all fractures and other broken surfaces locally. Fine milky to clear quartz stockwork throughout. Fine magnetite stockwork, especially near upper contact. Rare, trace visible chalcopyrite in magnetitic areas.
17.3	18.2	FAULT	Fault? In pink monzonitic breccia as 14.1 - 17.3 m; much stronger sericite and clay alteration; decreased competence; very fractures; strongly magnetitic locally; sharp contacts. 17.3 - 17.5 m: very strong silicification due to numerous clear and milky , sub-mm to cm parallel quartz veinlets parallel to contact; abundant magnetite encased in quartz and as independent veinlets. Chalcopyrite in magnetitic veinlets - north easily seen where clay alteration is strongest. End of significant oxidation.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
108.8	110.8	74226	0.114	0.004	0.06	5.27
110.8	112.8	74228	0.194	0.008	0.12	5.79
112.8	114.8	74229	0.179	0.007	0.08	5.72
114.8	116.8	74230	0.130	0.005	0.07	5.34
116.8	118.8	74231	0.155	0.007	0.08	5.37
118.8	120.5	74232	0.129	0.005	0.06	5.35
120.5	121.7	74233	0.203	0.008	0.41	5.26
121.7	123.2	74234	0.321	0.014	0.21	9.59
126.3	127.2	74239	0.405	0.025	0.16	7.79
127.2	129.2	74240	0.250	0.059	0.16	6.76
129.2	131.2	74241	0.278	0.023	0.18	5.79
131.2	132.9	74242	0.296	0.076	0.23	5.63
132.9	134.6	74243	0.287	0.085	0.26	6.40
134.6	136.5	74244	0.707	0.142	0.28	7.68
136.5	137.7	74245	0.006	0.001	0.01	5.18
137.7	140.3	74246	0.431	0.135	0.33	7.21
140.3	143.3	74247	0.082	0.032	0.07	5.83
6.8	9.4	74160	0.035	0.004	0.08	6.15
9.4	11.5	74161	0.029	0.002	0.08	6.32
11.5	14.1	74162	0.038	0.002	0.02	6.46
14.1	15.3	74163	0.132	0.010	0.21	3.72
15.3	17.3	74164	0.106	0.007	0.08	4.43
17.3	19.0	74165	0.111	0.005	0.18	5.43
19.0	20.7	74166	0.024	0.001	0.01	5.48
20.7	22.1	74167	0.030	0.002	0.03	5.88
22.1	24.1	74168	0.113	0.005	0.15	5.49
24.1	26.2	74169	0.156	0.006	0.20	5.83
26.2	27.6	74171	0.051	0.002	0.05	5.77
27.6	28.8	74172	0.077	0.007	0.09	4.40
28.8	31.0	74173	0.108	0.010	0.15	5.07
31.0	33.0	74174	0.112	0.007	0.11	5.05

Lithology

From	To	LITH	Description
18.2	18.7	PPg	Plagioclase porphyry dyke as 7.8 14.1 m; intensely tectonized at contacts; good phyric texture with sericitized plagioclase crystals <1-2mm; sharp planar contacts. White quartz (+calcite) in veinlets, gashes, stringers; fine magnetite in tension gashes (especially near lower contact) and in fine wisps and stringers throughout; magnetite also in planar multiphase quartz veinlets <1cm. Gashes are also chloritic; hematite after magnetite in fractures. No visible chalcopyrite; minor pyrite. Rare limonitic fractures.
18.7	19.0	BX	Breccia, as 17.3 - 18.2 m and 14.1 - 17.3 m; excellent igneous and breccia textures; clay altered plagioclase; hairline quartz stockwork - with chlorite and/or biotite; cloud be large clast/xenolith. Fine euhedral pyrite in most fractures; rare visible chalcopyrite.
19.0	22.1	PPg	Grey plagioclase porphyry dyke as, 6.8 - 14.1 m; intensely fractured with increased clay alteration at center of interval; plagioclase phenocrysts sericitized and blurred; numerous quartz, calcite and qz-ca veinlets, often with chlorite; dominant alignment of veinlets, strongest near to and parallel to lower contact; 10 cm aphanitic chill margin at lower contact. Fractures host hematite after magnetite, but otherwise, oxidation has gone. Ubiquitous pyrite - can be seen on any broken surfaces.
22.1	26.2	BX	Breccia; pink with grey mottling; almost exactly as 14.1 - 17.3 m; regular dm spaced fractures with some fractures parallel to core axis; plagioclase phyric textures strongest at center of interval. 22.1 - 24.1 m: intense pervasive K-alteration; strong quartz stockwork, with variably oriented, often parallel quartz veining (hairline to 2 cm) with magnetite within and along selvages. Very strong fine magnetite (and yellowish sulfides) stockwork. Masses of yellowish sulfide associated with quartz and magnetite - looks more like pyrite than chalcopyrite. Minor epidote, chlorite and hematite. 24.1 - 24.9 m: looks like PPp dyke; breccia textures are very subtle and plagioclase phenocrysts are strongly evident; fine magnetite stockwork with very minor quartz; pyrite and chalcopyrite in veinlets with magnetite. 24.9 - 26.2 m: stronger mottling; K-alteration in clast-like shapes or between greyish, dioritic clast-like shapes - affects 50% rock; strong magnetite veining and as fine concentrations; ubiquitous but weak hairline quartz stockwork. Abundant fine sulfides intergrown with magnetite more resembles pyrite than chalcopyrite. Broken contacts.
26.2	27.6	PPg	Plagioclase porphyry dyke, as 6.8 - 14.1 m and 19.0 - 22.1 m; dm chill margins with chloritic gashes; plagioclase crystals <1-2mm are sericitized and often very subtle; breccia clasts <1 mm to >10 cm at center of interval; competent. Ubiquitous disseminated and fracture-controlled pyrite - very, very fine (<<1mm).
27.6	38.2	BX	Breccia; medium pink with light grey mottling; clasts and matrix are variably monzonitic to dioritic, equigranular to plagioclase phyric; as all other breccias described above; some PPg clasts <10 cm and fingers 30-40 cm. Ubiquitous and often strong quartz, magnetite and qz-mt stockwork - intensity varies widely. Abundant and ubiquitous fine sulfides intergrown with magnetite more resembles pyrite than chalcopyrite. 27.6 - 28.8 m: intense magnetite stockwork. 29.5 - 29.7 m: intense magnetite stockwork. K-alteration decreases and becomes more selective to end of interval.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
33.0	35.0	74175	0.091	0.005	0.13	4.18
35.0	37.0	74176	0.186	0.008	0.24	4.98
37.0	38.2	74177	0.129	0.009	0.05	5.93
38.2	39.8	74178	0.185	0.008	0.20	5.17
39.8	41.8	74179	0.287	0.029	0.26	5.68
41.8	43.1	74180	0.139	0.016	0.10	6.40
43.1	45.7	74182	0.250	0.008	0.19	6.17
45.7	47.6	74183	0.241	0.007	0.18	6.15
47.6	49.6	74184	0.226	0.007	0.29	5.71
49.6	50.8	74185	0.193	0.004	0.16	5.62
50.8	52.1	74186	0.123	0.006	0.16	6.01
52.1	53.3	74187	0.081	0.006	0.06	5.01
53.3	54.7	74188	0.083	0.003	0.04	5.67
54.7	55.5	74189	0.010	0.000	0.01	5.46
55.5	57.4	74190	0.070	0.007	0.04	5.39
57.4	58.7	74191	0.090	0.006	0.03	3.77
58.7	61.4	74193	0.098	0.001	0.06	3.54
61.4	62.4	74194	0.027	0.001	0.01	5.98
62.4	64.0	74195	0.132	0.005	0.11	4.11
64.0	65.5	74196	0.187	0.008	0.12	4.90
65.5	66.7	74197	0.074	0.001	0.07	5.40
66.7	67.7	74206	0.155	0.012	0.15	4.66
67.7	69.5	74198	-2.000	-2.000	-2.00	-2.00
69.5	71.3	74199	0.107	0.001	0.08	4.06
71.3	74.0	74200	0.171	0.005	0.13	4.39
74.0	76.8	74201	0.093	0.003	0.05	3.99
76.8	77.9	74202	0.025	0.001	0.02	4.00
77.9	79.6	74204	0.021	0.001	0.03	4.14
79.6	81.2	74205	0.232	0.006	0.22	5.75
81.2	82.5	74207	0.302	0.008	0.18	3.47
82.5	84.0	74209	0.144	0.009	0.14	5.58
84.0	86.1	74210	0.109	0.012	0.13	6.60
86.1	88.0	74211	0.196	0.008	0.17	5.56
88.0	89.8	74212	0.124	0.004	0.11	5.02
89.8	91.6	74213	0.084	0.004	0.06	5.08
91.6	92.5	74214	0.025	0.003	0.01	5.62
92.5	94.0	74215	0.110	0.012	0.08	3.90
94.0	96.0	74217	0.138	0.005	0.07	4.47
96.0	97.4	74218	0.172	0.003	0.13	4.93
97.4	98.4	74219	0.144	0.006	0.11	7.02
98.4	99.5	74220	0.267	0.008	0.14	5.67
99.5	101.6	74221	0.255	0.011	0.16	6.42

Lithology

From	To	LITH	Description
38.2	39.8	FAULT	Fault?; intensely potassic and magnetitic breccia is intensely clay altered and gougy locally; some dm size intervals are clayey microbreccia with magnetite cement; intense breccia textures and strongly tectonized; strong qz-ca stockwork, also powdery; sharp contacts; chloritic fractures, often slickensided; no visible fresh sulfides, although I suspect this is mineralized.
39.8	42.8	BX	Breccia, as 27.6 - 38.2 m, but very strongly fractured due to proximity to fault; spidery magnetite, quartz, qz-mt stockwork - often very strong and yummy-looking; chloritic fractures; salmon-pink with grey mottling. 42.0 - 42.8 m: gorgeous alteration; deep salmon pink and black with magnetitic stockwork and silicification; very, very fractured; abundant yellowish sulfide intergrown with magnetite - looks more like pyrite than chalcopyrite.
42.8	43.1	DYKE	Dark green-grey augite porphyry dyke with sharp planar contacts; dark green augite phenocrysts <1-3 mm; magnetitic; hematitic fractures; strong fracturing, often parallel to core axis; chloritic; not mineralized.
43.1	45.7	BX	Breccia, as all above; mottled pink and grey; regular dm spaced fractures; strong to intense fine magnetite and quartz stockwork; sulfides intergrown with magnetite; clay, calcite and chlorite in fractures. 43.1 - 44.8 m: intense magnetite and silicification, as sub-interval 42.0 - 42.8 m, on mirror side of AP dyke.
45.7	47.6	FAULT	Fault; breccia as 43.1 - 45.7 m but with increased clay and chlorite and entirely destroyed - rare pieces exceeded 5 cm, usually on cm scale; not gouge or obviously fault-like other than extremely poor rock quality.
47.6	49.6	BX	Breccia, as 43.1 - 45.7 m (and all others) but increasingly fractured; strongest magnetitic stockwork near top of interval; transitional into.
49.6	50.8	FAULT	Fault?; as 45.7 - 47.6 m; rubble.
50.8	52.1	BX	Breccia, as 47.6 - 49.7 m etc.; pink and grey mottling; quite competent; strong magnetitic stockwork with abundant intergrown yellowish sulfide (pyrite, NOT chalcopyrite) .
52.1	53.3	BX	Breccia; different than all others; composed of sub-angular, cm scale plagioclase porphyry monzonite clasts within a black, to grey to pink, very fine grained, often weakly plagioclase phyric matrix; Loaded with fine disseminated magnetite and magnetite veinlets; magnetite dominates locally. Semi-pervasive K-alteration of matrix locally; also very, very chloritic locally; some sub-cm boudinage-like quartz veinlets. Minor sulfides with magnetite. Weird unit.
53.3	54.7	BX	Breccia, as 50.8 - 52.1 m etc.; very strongly fractured; some locally intense clay alteration; quartz and magnetite veining/stockwork, magnetite near upper contact; intensely K-altered locally - variable elsewhere; so shattered locally that I might be inclined to call this a fault; hematite and chlorite on fractures; minor chalcopyrite intergrown with magnetite.
54.7	55.5	DYKE	Augite porphyry dyke/fault; softer green-grey with dark green-black augite crystals <1-3mm; chloritic; sharp broken contacts; strongly fractured to gouge; several slickensides. Hematite in fractures; not mineralized. 55.3 - 55.5 m: green incompetent fault gouge.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
101.6	102.8	74222	0.010	0.001	0.01	6.15
102.8	104.8	74223	0.048	0.001	0.03	7.27
104.8	106.8	74224	0.349	0.014	0.18	7.10
106.8	108.8	74225	0.195	0.009	0.10	5.30
123.2	124.2	74235	0.249	0.009	0.11	7.15
124.2	125.3	74236	0.246	0.012	0.15	4.32
125.3	126.3	74237	0.798	0.098	0.42	7.52
143.3	145.2	74248	0.233	0.081	0.25	6.52
145.2	146.4	74250	0.158	0.049	0.08	6.85
146.4	148.4	73301	1.173	0.154	1.30	5.82
148.4	150.4	73302	1.105	0.317	1.96	5.01
150.4	152.1	73303	0.847	0.199	1.50	3.76
152.1	154.0	73304	0.745	0.049	0.92	5.35
154.0	156.4	73305	0.441	0.112	0.65	6.24
156.4	158.7	73306	0.615	0.290	0.92	4.48
158.7	160.4	73307	0.419	0.197	0.61	4.57
160.4	161.4	73308	0.227	0.034	0.28	5.77
161.4	163.0	73309	0.285	0.027	0.30	6.00
163.0	164.3	73310	0.180	0.025	0.23	6.02
164.3	165.9	73312	0.171	0.026	0.49	5.83
165.9	167.9	73313	0.146	0.029	0.15	6.12
167.9	168.8	73314	0.150	0.049	0.14	6.75
168.8	169.5	73315	0.654	0.193	0.72	7.99
169.5	171.4	73316	0.010	0.002	0.02	4.70
171.4	174.5	73317	0.467	0.046	0.68	6.69
174.5	175.5	73318	0.192	0.016	0.08	5.10
175.5	177.2	73319	0.249	0.019	0.11	5.71
177.2	179.0	73320	0.017	0.001	0.01	5.06
179.0	181.0	73321	0.008	0.001	0.01	5.08
181.0	183.3	73323	0.006	0.001	0.01	4.32
183.3	184.6	73324	0.484	0.058	0.39	6.56
184.6	186.5	73325	0.458	0.044	0.44	5.92
186.5	187.9	73326	0.448	0.033	0.44	5.83
187.9	190.6	73327	0.317	0.022	0.29	6.18
190.6	192.3	73328	0.543	0.026	0.49	6.43
192.3	193.6	73329	0.450	0.032	0.43	6.11
193.6	195.0	73330	0.465	0.030	0.44	7.32
195.0	196.9	73331	0.418	0.023	0.46	6.44
196.9	199.1	73332	0.376	0.016	0.39	7.35
199.1	200.0	73334	0.615	0.044	0.56	5.75

Lithology

From	To	LITH	Description
55.5	57.0	BX	Breccia; mottled light pink, grey-green with some salmon-pink and black; 'crackled' monzonitic to dioritic plagioclase porphyry (although often equigranular) coarser-grained than usually seen. Numerous mm-scale milky quartz veinlets in variable orientations occurring with sub-mm magnetite veinlets; locally, quartz forms cement in microbreccia; quartz is often sparry with excellent crystals in void space. Chlorite common after biotite and in most fractures with hematite. Rare visible sulfides.
57.0	57.4	FAULT	Healed fault breccia with last 10 cm as chloritic gouge; intense chlorite and magnetite and quartz, but otherwise as 55.5 - 57.0 m; soft; some visible sulfides with magnetite.
57.4	58.7	PPp	Plagioclase porphyry dyke; tends toward subtle crackle-type breccia; sharp upper contact, but somewhat arbitrary lower contact; sub-cm angular volcanic like xenoliths. Intense salmon-pink with crowded pale pink plagioclase laths, aligned locally, <1-4 mm; strong igneous texture; regular vuggy quartz veinlets <1/2 cm at sub-mm spacing. Black (magnetite and biotite) wisps, stringers, veinlets, often with quartz; strongest quartz at upper contact. Ultra fine disseminated sulfides, with magnetite. Rather transitional into:
58.7	61.4	BX	Breccia; begins as PPg as 57.4 - 58.7 m but with increasing breccia texture; intense dark salmon-pink with black speckling, streaking, mottling; by end of interval cm scale angular PPp clasts are healed/broken apart by quartz magnetite. K-alteration, already intense and pervasive intensifies more (with added secondary biotite) to completely obliterate original texture. Strong ubiquitous magnetite is increasingly prevalent as fine stockwork, cement etc. Intensely sulfidic (looks more like pyrite than chalcopyrite) where magnetite is densest; yummy. Very sharp lower contact.
61.4	62.4	BX	Black to faintly pink plagioclase porphyry dyke; aphanitic, darker chill margins; sericitic plagioclase crystals are rare and even then are difficult to see; quartz and calcite veining; magnetitic with minor hematite in fractures; shattered at center.
62.4	62.6	PPg	Pink, crowded plagioclase porphyry as 57.4 - 58.7 m.
62.6	62.9	PPp	Breccia; plagioclase porphyry with pink clasts, as 52.1 - 53.3 m.
62.9	65.2	BX	Breccia; intensely potassic, magnetitic, deep salmon-pink breccia as 58.7 - 62.4 m; very sharp contacts. Intense magnetite (stockwork, disseminations, cement, micro breccia etc), K-alteration and silicification; strong breccia texture with quartz and magnetite between clasts. Loaded with yellowish sulfides intergrown with magnetite in all occurrences. YUM.
65.2	65.5	DYKE	Augite porphyry dyke; sharp parallel planar contacts; magnetitic; very strongly biotitic with crowded sericitized plagioclase crystals <1-2mm and black augite phenocrysts <1-2mm; heavy and competent.
65.5	66.7	BX	Breccia; intensely potassic breccia as 62.9 - 65.2 m and 58.7 - 62.4 m.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
66.7	71.3	BX	Breccia; intense salmon-pink; mostly plagioclase porphyry monzonite (PPp) but with greyish dioritic rock as clasts, but usually as filling/inclusions forming a crackly texture - creates grey mottling. 66.7 - 67.7 m: intense pink; decent igneous textures; weak breccia; magnetite and quartz in gashes and stringers. 67.7 - 68.1 m: salmon-pink clasts in grey biotitic diorite groundmass; intensely magnetitic and chalcopyritic. 68.1 - 69.5 m: as 68.1 - 69.5 m but with strongly magnetitic gashes, stringers, veinlets; dioritic rock still as matrix; strong fine disseminated sulfides intergrown with magnetite. Very nice-looking interval!!
71.3	79.9	PP	Plagioclase porphyry dyke; ranges from grey to pink-grey to pale pink; hard and competent with regular dm spaced fractures; plagioclase phenocrysts <1-2mm are usually sericitized and are often hard to see. Variable and selective (to locally pervasive) K-alteration; very strongly potassic envelopes around some fractures; calcite veinlets are common. Disseminated magnetite and some sub-mm veinlets. Some pyrite in fractures.
79.6	81.2	BX	Breccia; intense deep salmon-pink plagioclase porphyry with stronger pervasive K-alteration and decreased magnetite stockwork than 77.9 - 79.6 m; very hard and competent; sulfides are more difficult to see, but still OK-looking.
79.9	79.6	PP	Breccia; deep salmon-pink intensely potassic breccia as 65.5 - 66.7 m, 62.9 - 65.5 m and 58.7 - 62.2 m; increased quartz; hard and competent. Chalcopyrite occasionally in 1-2 mm clots intergrown with magnetite. Gorgeous!!
81.2	82.5	BX	Breccia; as 77.9 - 79.6 m etc.; intensely fractures; strong spidery magnetite stockwork; clay and chlorite in fractures; could be fault.
82.5	91.6	BX	Breccia; deep salmon-pink, intensely potassic and magnetitic breccia, as most others described so far. 82.5 - 84.0 m: igneous textures destroyed due to intense potassic alteration; spidery magnetite stockwork and magnetitic concentrations; ubiquitous sulfides (pyrite) with magnetite; trace visible chalcopyrite; pyrite with magnetite - also less plentiful. 84.0 - 86.1 m: increased colour index (magnetite and biotite). 86.1 - 91.6 m: breccia texture is less developed; dominant lithology is intensely K-altered plagioclase porphyry monzonite (PPp) with sericitized plagioclase phenocrysts <1-2mm; abundant disseminated biotite and magnetite; weak hairline veining after 87.5 m; strongly magnetitic above 87.5 m. From 87.3 m: greyish (salt+pepper) diorite clasts in potassic groundmass. From 89.8 m: several 1-2 mm, planar to strained quartz/qz-mt veinlets; several hematitic fractures.
91.6	92.5	PP	Dyke; mottled dark grey/salmon-pink and black; seems like breccia due to grey/grey-green dioritic 'clasts' that are just localized alteration; faint plagioclase phyric textures; very sharp planar contacts with black, aphanitic, sub-dm chill margins; very hard and competent. Semi-pervasive K-alteration; chlorite in patches; some hematitic staining; a few irregular white quartz veinlets <1-3 mm. Trace disseminated pyrite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
92.5	97.4	BX	Breccia; pink to salmon-pink plagioclase porphyry monzonite (PPp) with grey mottling due to greyish salt+pepper dioritic clasts and non-potassic rock - much as al other breccias described so far; ubiquitous magnetitic stringers and stockwork, decreasing to lower contact; localized quartz veining; rubbly caving at 96.3 m. Rare visible sulfides. Intensely potassic. At 93.4 m; hematitic shear 1 cm.
97.4	98.4	PPg	Plagioclase porphyry dyke; medium grey to pinkish grey; sub-rounded, sericized plagioclase crystals <3mm; sharp contacts; hard and competent. Moderate quartz veining (planar but wavy) and fine, subtle quartz stockwork locally. Magnetitic; hematite in fractures. Minor intrusion of magnetitic rock. Strong shearing and breakage at center of interval. Trace disseminated pyrite; no chalcopyrite.
98.4	101.6	BX	Breccia; intensely potassic pink plagioclase porphyry (PPp) with dioritic clots and dm scale PPp dykelets that include weird potassic-epidotic monzonite clasts; more heterolithic and texturally diverse interval so far. Often very broken; fractures with clay and chlorite. Strong sub-mm quartz stockwork; strong magnetite as disseminations and stringers/stockwork and locally strong; some hematitic fractures. Abundant euhedral pyrite (and rare, rare visible chalcopyrite) intergrown with magnetite.
101.6	104.8	PPg	Plagioclase porphyry dyke; medium grey to pink-grey; larger (1-5 mm) sub-round plagioclase crystals; voids after biotite?; very strong milky and clear quartz veining - often as stockwork; larger (<1/2cm) qz-ca veinlets in parallel sets; hard and competent; sharp planar contacts. Weak localized potassic alteration; magnetitic; rare pyrite. 102.8 - 103.3 m: breccia with hugely variable alterations (k-spar, chlorite etc.
104.8	121.7	BX	Breccia; standard salmon-pink, intensely potassic PPp breccia with greyish dioritic clasts; magnetitic, but veining and stockwork are weak to rare; occasional clasts of black aphanitic to plagioclase porphyry dyke-type material; generally very competetnt. Sulfides, althoughnot common, usually with magnetite in fractures; fractures often hematitic. 109.4 - 109.8 m: PPg dykelet with black planar aphanitic chill margins 110.8 - 112.8 m: strong quartz veining in regular conjugate arrangements and some cm-scale crystalline veinlets with chlorite, magnetite and the ONLY chalcopyrite I've seen so far! From 112.8 m: pretty uniform and boring.
121.7	123.2	BX	Breccia; distinctly different than usual pink breccia described before; strong mottling of grey-green, pink and black - all colourations due to alteration that creates pseudoclasts; green = chlorite and actinolite(?); salmon-pink = k-spar and hematite; black = magnetite clots and stockwork; quartz veinlets contain chlorite and magnetite. Abundant chalcopyrite !) intergrown with magnetite and can be plainly seen on all surfaces. This weird unit is the best copper mineralization so far. Sharp planar contacts.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
123.2	126.3	BX	Breccia; usual pink breccia but with increased magnetite locally and large splotchy green-grey mottles; hard and competent. Abundant disseminated pyrite and rare chalcopyrite only where magnetite is strongest; chalcopyrite in blebs 1-2 mm in magnetite clots and veinlets locally. Sharp contacts.
126.3	127.2	BX	Breccia, as 121.7 - 132.2 m; very ugly and strong salmon-pink, green, black and cream mottling; intensely magnetitic; pyrite >> chalcopyrite intergrown with magnetite.
127.2	129.2	BX	Breccia; as 121.7 - 123.2; strong pink and green mottling with biotite and magnetite speckles and numerous hairline and quartz stringers; definitely NOT as magnetitic as 126.3 - 127.3 m: faint bleaching and strong fractures one cm gougy shear = fault! Pyrite with magnetite; no visible chalcopyrite - drat.
129.2	131.2	BX	Breccia, as 126.3 - 127.2 m: intensely magnetitic with green and orange and black mottles; dominantly blackish. Abundant very fine pyrite intergrown with magnetite.
131.2	136.5	BX	Breccia, as 127.2 - 129.2 m; strong mottling - mostly pink with green and black; contains sections with increased magnetite, as 129.2 - 131.2 m; ubiquitous quartz and magnetite veining; increased chlorite and slightly soft; pyrite with magnetite. 136.2 - 136.5 m: chloritic shears and strong quartz veining in offset splays; increased tectonization to fault.
136.5	137.7	DYKE	Augite porphyry dyke/fault; dark chlorite green with black/greeen augite crystals <1-2mm; entirely gougy; soft and incompetent; sharp contacts.
137.7	140.7	BX	Breccia; typical (as near top of hole) pink monzonitic (PPp) breccia with greyish mottling and balck speckles; good igneous and breccia textures; slightly increased clay; strong quartz and monzonite stockwork; minor chlorite in veinlets; strongly to locally intense K-alteration; chlorite confined to veinlets and fractures, not as clots like 121.7 - 136.5 m; minor visible pyrite; not chalcopyrite.
140.7	143.3	PPg	Plaghioclase pophyry dyke; sharp planar contacts; medium grey with sub-rounded, ghosty sericitized plagioclase phenocrysts; ubiquitous quartz and calcite veinlets; occasional oxidized fractures; magnetitic; not mineralized.
143.3	144.0	BX	Breccia; pink, as 137.7 - 140.7 m; intense K-alteration; strong breccia texture; silicified from 141.8 m; trace malachite in fractures; no other mineralization.
144.0	144.5	PPg	Plagioclase porphyry dyke, as 140.7 - 143.3 m.
144.5	145.2	BX	Dark pink breccia, as 143.3 - 144.0 m.
145.2	146.4	PPg	Plagioclase pophyry dyke, as 140.2 - 143.3 m and 144.0 - 144.5 m; black 2 cm chill margins.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
146.4	161.4	BX	Breccia; strong dark pink to salmon-pink, much as most breccia in this hole; off-white mottling due to cm-scale unaltered and clast-like diorite; ubiquitous quartz and magnetite veining - variable intenseity; strong breccia texture; rare visible sulfides; pyrite > chalcopyrite. 148.4 - 149.4 m: extrememly fractured and strong vuggy white cm-scale quartz veining. 151.7 - 152.1 m: breccia dyke with sharp parallel planar contacts between intensely potassic PPp; mostly greyish diorite with intensely potassic clasts or alteration clots; stands out strongly agonist rest of rock. 156.4 - 156.7 m: Fault?;; 10 cm gouge and then intensely potassic PPp clasts and white angular clasts in a quartz and hematite/magnetite cement; sharp parallel planar contacts; very cool breccia; different than regular pink; looks more like regular intrusive.
161.4	164.3	BX	Greyish dioritic intrusive, usually equigranular, medium grained with numerous dm spaced white quartz veinlets with intensely potassic alteration envelopes; abundant secondary biotite; lotsa magnetite and some magnetite vugs. Chalcopyrite in magnetite veinlets - funny how ugliest rock is the best.
164.3	167.7	MZ	Monzonite; medium pink-grey; medium grained equigranular with occasional white plagioclase phenocrysts <4mm; excellent igneous textures; occasional aphanitic, dark grey, volcanic-like xenoliths; regular mm-scale quartz-calcite +/- magnetite veinlets in parallel dm-spaced - often with dark salmon-pink potassic alteration envelope; sub-mm/hairline quartz veinlets in cm-spaced (or less) conjugate sets (rotated from other veinlets). Magnetitic - disseminations and in veinlets, often with quartz and occasionally with mm-scale clumps. Sulfides aren't common; trace ubiquitous disseminated pyrite and pyrite+chalcopyrite in magnetite. Broken, hematitic lower contact.
167.7	167.9	BX	Breccia; sharp contacts; deep salmon-pink with lighter pink/pink-grey mottling; strong hairline quartz and magnetite stockwork; chlorite and calcite in fractures. Trace malachite in oxidized fractures; no visible sulfides.
167.9	171.4	DYKE	Augite porphyry dyke; dark green-grey feldspar-rich groundmass with numerous black-green augite phenocrysts <1-4mm, usually 2 mm; much softer and more clayey than adjacent units; regular dm spaced fractures; sharp parallel contacts. Weakly magnetitic. No visible mineralization.
171.4	174.5	BX	Breccia; typical salmon-pink with cream and light pink mottling; mostly monzonitic clasts and cement; intensely tectonized; excellent igneous textures; sharp contacts; highly fractured locally, often parallel to core axis. Intense quartz, qz-ca, qz-mt and mt stockwork; several hematitic fractures; calcite and chlorite also common; numerous slickensides. Intense K-aletration; some albite; silicified where stockworked. Intensely magnetitic - clots. Veinlets, interclast cement.
174.5	175.0	PPg	Plagioclase pophyry dyke; dark pink-grey; moderate dark pink pervasive K-alteration; strong silcification and hairline stockwork; hard and brittle; sharp contacts; strongly chloritic fractures. Strongly magnetitic. Not visibly mineralized.
175.0	175.5	DYKE	Augite porphyry dyke, as 169.5 - 171.4 m; sharp planar contacts; soft and fractures; gougy near lower contact.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
175.5	176.0	BX	Breccia; mottled pink with moderate quartz-magnetite veining; sharp contacts.
176.0	177.2	PPg	Plagioclase porphyry dyke, as 174.5 - 175.0 m; variable pervasive potassic alteration; strongly fractured; magnetitic; strong hairline quartz stockwork; numerous chlorite and hematitic fractures, often slickensided; rare fine disseminated pyrite; no chalcopyrite. *Shattered and sheared at lower contact.*
177.2	183.3	DYKE	Augite porphyry dyke within fault; numerous shears, several rubbly sections, numerous slickensides; high clay content; strongly chloritic; numerous calcite and quartz-calcite veinlets; chlorite and occasional hematite in fractures; moderately magnetitic. 177.2 - 177.5 m: gougy clay 178.3 - 179.2 m: rubble and clay 179.6 - 180.6 m: rubble and clay 181.3 - 181.5 m: rubble Sharp unshared but broken lower contact.
183.3	200.0	BX	Breccia; pink breccia, much as seen throughout majority of hole; strongly magnetitic; hard and competent. Visible sulfides are rare. 183.3 - 186.5 m: intense pervasive K-aletration and often with hairline magnetite stringers and gashes and increased hairline quartz stockwork. 186.1 - 186.4 m: shattered and hematitic rubble. 186.5 m: sub-cm gougy shear. 186.5 - 196.9 m: increased pink and grey mottling; abundant secondary quartz as irregular cm-scale veinlets and intrusions, often froming cement for micro breccia - with magnetite and chlorite. 190.6 - 193.3 m: increased potassic alteration and magnetite veinlets, stringers, gashes etc. 196.9 - 199.1 m: strong K-alteration and magnetyite; decreased large quartz veinlets. 199.1 - 200.0 m: strong pink and grey contrast, with intensely potassic PPp monzonite as clasts in dioritic cement.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-46

Zone	C Pit - south	Easting	2184.1	Drilled By	F. Boisvenu Drillling
Length (m)	50.6	Northing	3129.7	Logged By	V. Park
		Elevation	1071.3	Comments	

Depth	Az	Dip	Survey Type
0.0	91	-45	Head Set

Lithology

From	To	LITH	Description
0.0	3.1	CA	Casing; no recovery.
3.1	7.2	BX	Breccia; pink to salmon-pink with grey mottling and black streaks and blobs; clasts and matrix are monzonite (equigranular and phyric) with some dioritic clasts; intensely broken, mostly due to 1070 blast sub-grade, but rock is also strongly tectonized. Intense potassic alteration - nearly pervasive, but some clasts are less or unaffected. Ubiquitous calcite fractures, often with chlorite. Strong but subtle, sub-mm to hairline, clear to milky quartz stockwork - strongly aligned with dominant fractures, but also in conjugate set sand as a more random stockwork; these veinlets are also often magnetitic. Very strongly magnetitic - fine disseminated crystals plus fine, wispy, spidery stockwork, often associated with quartz, and as blob-like concentrations; magnetite also in veinlets to 2 cm with quartz, chlorite and chalcopyrite. Fine but subtle chalcopyrite intergrown with magnetite in all occurrences. *7.0 - 7.2 m: abundant secondary quartz; increased stockwork; large gougy mt-chl veinlet parallel to lower contact.*
7.2	7.7	PPg	Medium grey dioritic intrusive with very subtle whitish plagioclase phenocrysts <1-2 mm; sharp, planar sub-parallel contacts; dm spaced fractures, parallel, with 180 degree rotation from contacts. Intensely magnetitic - finely disseminated but concentrating in cm scale blobs. Faint green hue and obvious bleaching, especially around quartz veinlets is sericite >>chlorite. Strong yet subtle hairline qz-mt stockwork; sericitic envelope; most veinlets host chalcopyrite. Ubiquitous chalcopyrite, usually in qz-mt veinlets, but also with disseminated magnetite. Nice-looking interval.
7.7	8.9	PPg	Plagioclase porphyry dyke; dark grey, fine grained equigranular with very, very subtle, barely phyric plagioclase crystals <1mm; hard; regular 10-15 cm spaced fractures - parallel and conjugate sets - parallel to upper contact; black aphanitic chill margins; weakly chloritic; plagioclase phenocrysts aligned parallel to lowered contact, near lower contact. Strongly magnetitic throughout; rare sub-mm magnetite veinlets. Not mineralized. Uniform and boring.
8.9	9.7	BX	Breccia; mottled pink and grey/grey; dioritic plagioclase porphyry (PPg) with salmon-pink (PPp) clasts (with volcanic xenoliths); sharp magnetitic contacts. Strong disseminated magnetite; magnetite also as mm-scale veinlets parallel to and near contacts. Quartz-calcite veining near contacts - minor chlorite. Rare visible chalcopyrite, with magnetite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.1	5.0	74081	0.200	0.007	0.44	5.90
5.0	7.2	74082	0.634	0.075	1.65	13.80
7.2	7.7	74083	0.198	0.027	0.38	11.20
7.7	8.9	74084	0.007	0.001	0.03	4.33
8.9	9.7	74085	0.176	0.017	0.34	4.85
9.7	11.5	74086	0.021	0.003	0.01	5.41
11.5	13.3	74087	0.017	0.003	0.02	5.26
13.3	15.1	74088	0.350	0.030	0.58	5.22
15.1	16.1	74089	0.453	0.024	0.73	5.15
16.1	17.2	74090	0.575	0.054	0.91	3.87
17.2	18.5	74092	0.199	0.016	0.22	4.66
18.5	19.5	74093	0.240	0.011	0.37	3.59
19.5	21.2	74094	0.200	0.014	0.35	2.57
21.2	22.7	74095	0.178	0.015	0.39	3.48
22.7	25.3	74096	0.155	0.020	0.37	3.30
25.3	26.7	74097	0.083	0.011	0.18	4.63
26.7	29.1	74098	0.083	0.011	0.18	4.63
29.1	31.2	74099	0.023	0.004	0.01	4.48
31.2	33.3	74100	0.126	0.009	0.37	5.49
33.3	35.3	74101	0.081	0.006	0.20	8.37
35.3	37.3	74103	0.203	0.026	0.55	7.93
37.3	39.3	74104	0.183	0.015	0.41	5.58
39.3	41.4	74105	0.130	0.018	0.28	6.67
41.4	43.1	74106	0.099	0.010	0.16	11.20
43.1	44.0	74107	0.446	0.010	0.77	9.31
44.0	46.0	74108	0.124	0.013	0.26	10.40
46.0	47.9	74109	0.244	0.025	0.56	10.20
47.9	49.3	74111	0.543	0.038	1.02	7.12
49.3	50.6	74112	0.247	0.021	0.34	8.49

Lithology

From	To	LITH	Description
9.7	13.3	DYKE	Augite porphyry dyke medium-dark grey with numerous green-black augite phenocrysts <1-4 mm; calcitic and quartz-calcite fractures with chlorite, often broken - two orientations, rotated; broken fractures, occasionally with calcite at 10 - 50 cm spacing; sharp contacts. Strongly magnetitic. No visible mineralization. 13.0 - 13.3 m: moderately pervasively K-altered chill margin with veining and secondary biotite concentrations parallel to lower contact.
13.3	26.7	BX	Breccia; dark pink to salmon-pink with grey mottling; clasts and matrix = monzonite to diorite, equigranular to strongly phyric; plagioclase porphyry (PPp) increasingly common to lower contact; excellent igneous and breccia textures; sharp unbroken lower contact; regular cm to (usually) dm-spaced fractures. Intense, sub-pervasive K-aletration - only some dioritic clasts remain unaffected; secondary biotite, associated with k-spar locally stronger. Strong quartz (+/- calcite) veining, white to cloudy (rarely rusty) veinlets <1mm to >1 cm in conjugate sets; sub-mm clearer, more subtle veinlets in similar orientations crosscut larger veinlets to create stockwork; fine calcite (+/- chlorite) at cm.spacing are everywhere. Magnetite as fine disseminations throughout; locally as hairline wisps, stringers and splays, often with quartz - increased in areas that are more silicified; magnetite also locally in veinlets <2mm; magnetite fills interclast voids where breccia/tectonism is strongest. Chalcopyrite can be very difficult to see - most obvious as sub-mm blebs in the more silicified areas along centers of veinlets and as inclusions in quartz swirls; possibly also disseminated, but not visible; still a very nice-looking interval. 13.3 - 15.1 m: intensely potassic; magnetite with quartz in irregular blobs. 15.1 - 16.1 m: more grey; more dioritic. 16.1 - 17.2 m: strongly silicifed; several white cm-scale veinlets and numerous qz-mt veinlets <1/2 cm with chalcopyrite along center; where quartz forms cement in micro breccia, often with magnetite - chalcopyrite in mm scale clots. 17.2 - 18.5 m: dark pinkish grey intrusive with abundant secondary biotite, faint weak pervasive K-alteration and numerous hairline quartz veinlets with salmon-pink potassic envelopes <1 cm and several magnetite veinlets <3mm in conjugate orientations; easily broken and more fractured; rare visible chalcopyrite. 18.5 - 19.5 m: much as 17.2 - 18.5 m, but with increased brecciation and magnetite; strongly fractured. 19.5 - 21.2 m: abundant quartz veining, as 16.1 - 17.2 m. 21.2 - 22.7 m: as 19.5 - 21.2 m, but with smaller quartz veinlets with decreased frequency. 22.7 - 25.3 m: increased potassic alteration; good plagioclase phyric texture; decreased large and medium quartz veining. 25.3 - 26.7 m: intense K-alteration; PPp; occasional cm scale dykelets; numerous hairline magnetite gashes and strigners; weak quartz veining.
26.7	31.2	DYKE	Augite porphyry dyke; medium grey to green-grey fine-grained groundmass with numerous green to black augite phenocrysts 1-4 mm; dm to 1/2 m fracture spacing; ubiquitous mm scale calcite veinlets. Sharp planar contacts; magnetitic; chloritic; sericitization causes bleaching; magnetitic; not minerlaized. 26.7 - 27.1 m: pink-grey-K-aleter chill margin. 30.6 - 31.2 m: K-altered chill margin with white sub cm quartz veinlets parallel to lower contact.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
31.2	50.6	BX	Breccia; pink with grey mottling, as 13.3 - 26.7 m; intense K-alteration; strongly and increasingly magnetitic, especially after 41.4 m; ubiquitous quartz veining, but less obvious than higher breccia; fractures at dm to sub-m spacing. From 41.4 m: numerous magnetite stringers, veinlets, clots, gashes, wisps etc - often with obvious chalcopyrite in cores and interclast voids; stronger brecciation - best-looking part of hole. 43.1 - 43.3 m: *FAULT; clay-altered breccia gouge; crumbly, magnetitic; totally incompetent;* strong rock adjacent; broken contacts - not measureable. Nice-looking hole.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-47

Zone	C Pit - south	**Easting**	2213.7	**Drilled By**	F. Boisvenu Drillling
Length (m)	50.6	**Northing**	3143.3	**Logged By**	V. Park
		Elevation	1073.0	**Comments**	

Depth	Az	Dip	Survey Type
0.0	122	-45	Head Set
50.6	122	-42.5	Acid Test

Lithology

From	To	LITH	Description
0.0	3.1	CA	Casing; no recovery.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.1	5.0	74113	0.095	0.006	0.15	4.10
5.0	6.5	74114	0.061	0.004	0.10	6.34
6.5	6.9	74115	0.270	0.033	0.69	14.30
6.9	7.8	74116	1.249	0.105	4.40	8.21
7.8	9.8	74117	0.261	0.018	0.64	5.40
9.8	12.1	74118	0.132	0.012	0.27	5.18
12.1	13.3	74119	0.237	0.056	0.52	8.69
13.3	15.0	74121	0.483	0.064	0.96	9.11
15.0	15.7	74122	0.318	0.154	0.65	7.03
15.7	17.3	74123	1.129	0.066	1.85	7.00
17.3	18.4	74124	0.730	0.079	1.47	6.12
18.4	20.1	74125	0.458	0.069	1.34	15.50
20.1	21.0	74126	0.092	0.004	0.21	7.60
21.0	22.6	74127	0.153	0.007	0.22	8.77
22.6	23.2	74129	0.098	0.012	0.11	14.50
23.2	25.7	74130	0.284	0.017	0.56	12.10
25.7	27.0	74131	0.128	0.004	0.21	6.36
27.0	27.9	74132	0.111	0.008	0.21	17.60
27.9	30.2	74133	0.071	0.003	0.13	4.88
30.2	31.8	74134	0.091	0.011	0.12	6.90
31.8	32.3	74135	0.705	0.071	1.67	14.10
32.3	32.8	74136	0.140	0.007	0.13	4.52
32.8	35.1	74137	0.443	0.071	0.90	17.30
35.1	36.7	74138	0.200	0.031	0.27	6.11
36.7	37.6	74140	0.266	0.019	0.50	5.59
37.6	39.6	74141	0.116	0.040	0.31	7.12
39.6	41.6	74142	0.169	0.024	0.33	7.36
41.6	43.6	74143	0.083	0.008	0.16	4.81
43.6	45.6	74144	0.123	0.006	0.26	5.03
45.6	48.0	74145	0.115	0.007	0.87	6.44
48.0	50.6	74146	0.101	0.006	0.16	5.76

Lithology

From	To	LITH	Description
3.1	27.9	BX	Breccia; dark salmon-pink with grey mottling and black streaks, clumps, blobs etc.; mostly monzonite and diorite clasts in a monzonitic (PPp) matrix; strong breccia and igneous textures. Intense pervasive K-alteration throughout, except for occasioant intervals where dioritic clasts are less altered; secondary biotite associated with k-spar. Intensely magnetitic - disseminated, veins, stringers, clots, breccia cemenet (with some chlorite/actinolite), swirls, gashes etc. - completetly infuses some sections with >50-75% magnetite; frorms dense hairline stockwork; absolutely incredible! Fine (mm to hairline) clear to milky stockwork also - associated with magnetite; ubiquitous thin calcite veinlets. Strong chalcopyrite, always associated with magnetite and quartz, in fine disseminated (and intergrown) crystals to larger clots and in veinlets to 1 cm and in most fractures and veinlets; generally decreases to end of interval, but locally, gorgeous!! 3.1 - 6.5 m: rubble; mostly due to 1070 bench blast sub-grade 6.5 - 6.9 m: FAULT; gougy breccia - salmon-pink, angular, intensely K-altered clasts <2 cm in gougy magnetite-actinolite-chlorite-chalcopyrite matrix - soft and decomposed; alsoi more busted up due to balsted sub-grade. 6.9 - 7.8 m: intensely tectonized/brecciated PPp (deep salmon-pink) with intense magnetite stockwork/breccia cement with abundant chalcopyrite in stringers, between clasts in magnetite (-chl-act) matrix; gorgeous!; - still part of 6.5 - 6.9 m fault; regular dm spaced conjugate fractures. 7.8 - 12.1 m: mottled pink and grey; excellent igneous textures; strongly magnetitic, but distinctly less so than adjacent units; magnetite also in mm-scale veinlets, often with quartz, and as mm-scale clots; chalcopyrite found in fractures and clots with magnetite; regular fractures 10-50 cm. From 11.6 m: >50% magnetite in potassic breccia with sharp planar contacts = structure; dense spidery magnetite and quartz stockwork plus mt-qz cement in breccia; looks tectonized but rock is fairly competent; oxidized fractures right at center of intervals (12.6 - 12.8 m); chalcopyrite intergrown with magnetite. 13.3 - 15.7 m: as 7.8 - 12.1 m with locally intense magnetite and abundant secondary biotite; rubble from 15.0 m. 15.7 - 17.3 m: deep salmon-pink; intensely potassic; fine disseminated magnetite and magnetite veinlets, stringers, clots; quartz as veinlets, gashes, cement, stockwork - sub mm to 1 cm; strongly visible chalcopyrite as cm-scale (and less) bands, veinlets, etc., usually associated with secondary quartz and magnetite; nice-looking. 17.3 - 18.4 m: deep salmon-pink and black mottling; abundant secondary biotite and magnetite; fine but subtle stockwork - not as impressive as in adjacent units; very competent; ubiquitous and often significant chalcopyrite disseminated with magnetite throughout. 18.4 - 20.1 m: as 17.3 - 18.4 m, but with intense magnetite (as 12.1 - 13.3 m) as spidery stockwork, as cm-scale irregular veinlets and bands, with most intense concentrations at contacts (seem sharp, like this is a structure); strong chalcopyrite disseminated in magnetite but also as mm-scale blebs, usually in magnetite veinlets - gorgeous. 20.1 - 22.6 m: potassic, magnetitic breccia as 15.7 - 17.3 m etc. 22.6 - 23.2 m: intensely magnetitic (stockworked) potassic breccia as 18.4 - 20.1 m, with large white oxidized vuggy quartz veinlet <4 cm; strong breccia texture at lower contact cemented/crosscut with magnetite. 23.2 - 27.9 m: intensely magnetitic (stockworked/brecciated) potassic breccia as 18.4 - 20.1 m and 22.6 - 23.2 m; fairly competent with regular dm spaced fractures; sharp contacts; strongly magnetite breccia; strong and ubiquitous chalcopyrite with magnetite.
27.9	30.2	PPg	Grey plagioclase porphyry monzonite to diorite with numerous sub parallel sub-mm magnetitic quartz fractures with sub-cm potassic envelopes and strong sub-pervasive K-alteration near and locally with upper contact; strong disseminated magnetite; trace chalcopyrite in magnetite veinlets.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
30.2	50.0	BX	Breccia; intensely potassic and magnetitic, as above 27.7 m. 30.2 - 31.8 m: deep salmon-pink; good igneous and feldspar phyric texture; weak quartz and magnetite veining. 31.8 - 32.3 m: Fault?; intense brecciation with >25% magnetite as stockwork and cement; strong secondary quartz too; sharp contacts, so definitely a structure; competent; abundant chalcopyrite, especially in densely magnetitic sections. 32.3 - 32.8 m: as 30.2 - 31.8 m. 32.8 - 35.1 m: intensely magnetitic (50-75%) as 6.9 - 7.8 m and with magnetite in massive bands to 10 cm and as cement, stockwork, veins etc. - crumbly where magnetite is strongest; abundant chalcopyrite intergrown with magnetite - gorgeous!! 35.1 - 35.4 m: PPg finger as 27.9 - 30.2 m. 35.4 - 37.6 m: grey and pink breccia; greenish diorite to monzonite clots in intensely potassic matrix; strong breccia texture and looks distinctly less magnetitic and screwed up than higher up hole; ubiquitous magnetite and chalcopyrite. 37.6 - 39.6 m: Fault?; as 35.4 - 37.6 m but with strong planar fabric (clasts aligned and elongate with magnetitic veinlets in dm size concentrations; broken magnetitic veining at 38.4 m; strong chalcopyrite in magnetite. 39.6 - 50.0 m: boring-looking breccia as 35.4 - 37.6 m; greyish intrusive clasts with excellent igneous textures in intensely K-altered matrix; ubiquitous quartz and magnetite veining with chalcopyrite; regular fractures with 10-50 cm spacing; relatively competent.
50.0	50.6	PPg	Plagioclase porphyry dyke; as 27.9 - 30.2 m; grey with K-altered envelopes around quartz stringers; looks brecciated right at bottom; magnetitic with some chalcopyrite in magnetite clots.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-48

Zone	C Pit - south	Easting	2232.9	Drilled By	F. Boisvenu Drilling
Length (m)	50.6	Northing	3151.6	Logged By	V. Park
		Elevation	1075.8	Comments	

Depth	Az	Dip	Survey Type
0.0	155	-45	Head Set
50.6	155	-43	Acid Test

Lithology

From	To	LITH	Description
0.0	6.1	CA	Casing; no recovery; note: extra 8' casing added later = 28' total.
6.1	9.0	BX	Breccia; pink breccia with grey mottling; some pieces and one 30-40 cm interval of medium green-grey weakly plagioclase phyric (rare phenocrysts <4mm, usually <2mm) monzonite; rubble; rare pieces exceed 5 cm; poor rock quality due mostly to blasted sub-grade of 1070 bench - might also be partially faulted. Strong breccia texture; variable but typically very strong to intense potassic alteration; some sections with dense spidery magnetite stockwork; minor chalcopyrite with magnetite - not easily seen in the more potassic rock.
9.0	9.5	FAULT	Fault in breccia (as above); deep salmon-pink, intensely K-altered intrusive clasts with magnetite and mt-chl-act as cement and magnetite as veinlets, clots, stringers etc.; really screwed up and resembles faults at 30 m in MP-01-37 and -39; quartz-calcite also fill void interclast spaces. Chalcopyrite in blebs to 1mm, intergrown with magnetite; juicy-looking. Broken lower contact.
9.5	12.6	PPg	Medium-dark green-grey plagioclase porphyry dyke; monzonite to diorite - more plagioclase than k-spar; equigranular to plagioclase phyric (anhedral sericitized crystals 1-2 mm to rarely larger); aphanitic from 11.8 m; excellent igneous textures; sharp broken contacts; <50% of breccia crumbles at 9.8 m; regular dm spaced calcite fractures in two dominant orientations. Chlorite and secondary biotite and sericite are strongest alterations; chloritization increases. Strong disseminated magnetite and rare veinlets. Minor chalcopyrite>pyrite as mm-scale blebs common on broken (in fractured) surfaces throughout. From 11.8 m: dark green; strongly chloritic; increased magnetite; several calcite veinlets <1mm; slightly increased chalcopyrite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
6.1	7.9	74024	0.177	0.006	0.35	5.49
7.9	9.5	74025	0.609	0.017	1.09	8.86
9.5	11.8	74026	0.128	0.005	0.18	5.94
11.8	12.6	74027	0.108	0.005	0.22	7.22
12.6	14.0	74028	0.139	0.007	0.22	5.53
14.0	16.0	74029	0.197	0.006	0.36	6.73
16.0	18.0	74030	0.163	0.010	0.36	7.50
18.0	20.2	74031	0.094	0.006	0.13	5.54
20.2	21.8	74032	0.098	0.006	0.16	4.20
21.8	23.8	74033	0.122	0.004	0.39	8.08
23.8	24.8	74035	0.033	0.004	0.06	5.84
24.8	26.0	74036	0.036	0.002	0.04	5.65
26.0	27.2	74037	0.032	0.002	0.04	7.77
27.2	29.4	74038	0.080	0.006	0.12	4.16
29.4	30.9	74039	0.077	0.005	0.12	6.59
30.9	32.9	74040	0.129	0.006	0.26	9.20
32.9	34.5	74041	0.051	0.003	0.07	7.46
34.5	35.4	74042	0.080	0.004	0.12	9.04
35.4	37.0	74043	0.185	0.005	0.27	6.51
37.0	38.0	74044	0.273	0.012	0.45	4.28
38.0	40.0	74046	0.132	0.012	0.20	5.57
40.0	42.0	74047	0.176	0.016	0.35	5.20
42.0	43.2	74048	0.137	0.012	0.25	5.13
43.2	44.8	74049	0.294	0.021	0.53	6.67
44.8	46.1	74050	0.223	0.011	0.35	4.21
46.1	47.7	74051	0.162	0.012	0.24	5.09
47.7	49.1	74052	0.135	0.010	0.29	5.17
49.1	50.6	74053	0.294	0.017	0.61	6.05

Lithology

From	To	LITH	Description
12.6	23.8	BX	Breccia; generally mottled pink, grey and black with dominant colouration locally; consists mostly of dioritic and monzonitic clasts in monzonitic and plagioclase porphyry monzonite matrix; breccia and igneous textures are usually excellently preserved throughout; cement between clasts is also often strongly magnetitic and may contain white quartz and calcite locally. K-alteration (k-spar and secondary biotite) dominates - selective to pervasive, sometimes in clasts only, matrix only or as alteration envelopes around micro veinlets; ubiquitous sericite; locally chloritic; qz and qz-ca veining (<1mm) throughout, locally as strong subtle stockwork. Intensely magnetitic - disseminated everywhere as veinlets, blebs, clots etc, and often forms dense micro stockwork and forms cement in micro breccia. Fine chalcopyrite throughout - always associated with and intergrown with magnetite - in very high (>25%) concentrations locally; nice-looking breccia. 16.3 - 17.0 m: magnetitic micro breccia with strong chalcopyrite; healed. 17.0 - 17.4 m: void space filled with quartz.
23.8	24.8	PPg	Medium green-grey plagioclase porphyry dyke; much as 9.5 - 12.6 m; sharp unbroken contacts; sericitized; magnetitic - disseminated and some discrete sub-mm veinlets, with quartz that may have bleached cm-scale envelopes; splotchy K-alteration near lower contact; not visibly mineralized.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
24.8	50.6	BX	Breccia, as 12.6 - 23.8 m; mottled pink and grey; magnetitic; ubiquitous chalcopyrite. 24.8 - 26.2 m: equal pink and grey; strong magnetite stockwork locally; trace visible chalcopyrite. 26.2 - 27.2 m: strong to intense K-alteration; excellent breccia texture; some dioritic clasts lack potassic alteration. 27.2 - 29.4 m: mostly grey/green with pink mottling; void space filled with magnetite and some chlorite-actinolite; hairline fractures with mm-scale k-spar envelopes; chalcopyrite with magnetite in fractures and quartz veinlets. 29.4 - 32.9 m: strong pink>grey mottling; abundant magnetite as obvious lenses, clots, veinlets, swirls, disseminations etc.; chalcopyrite intergrown with magnetite - visible in sub-mm blebs locally - fine disseminated elsewhere. 32.9 - 34.5 m: more grey intrusive; strongly brecciated, but less screwed-up looking than 29.4 - 32.9 m; dominate fracture is sub-parallel to core axis and undulatory. 34.5 - 35.4 m: very strong K-alteration; good breccia texture; magnetitic veinlets and clots with minor visible chalcopyrite. 35.4 - 37.0 m: mostly greyish PPp (sericitic phenocrysts) with one long quartz veinlet <1 cm with magnetite along selvages and cm k-spar envelopes - sub-parallel to core axis; numerous qz and qz-ca mm scale splays; K-alteration increases; minor visible chalcopyrite with magnetite along selvages; veinlets also contain chlorite. 37.0 - 38.0 m: as 35.4 - 37.0 m, but with intense pervasive K-alteration; quartz-magnetite +/- chalcopyrite +/- chlorite parallel to sub-parallel; numerous magnetitic splays. 38.0 - 44.8 m: grey and pink; breccia textures more subtle; good equigranular and plagioclase porphyry textures locally; K-alteration dominates but is most often seen as mm scale alteration envelopes around numerous (mm to cm spaced), often parallel fractures and veinlets (qz +/- mt); magnetitic, as elsewhere; minor chalcopyrite intergrown with magnetite. 43.2 - 44.8 m: sub-cm clots of interstitial chalcopyrite, with magnetite; increased hairline magnetite veining and stockwork; significant chalcopyrite is also seen on every broken surface - fractures and man-made breaks; nice-looking interval. 44.8 - 46.1 m: intense pervasive K-alteration; deep salmon-pink; increased actinolite and chlorite in gashes, veinlets; abundant magnetite; chalcopyrite with magnetite in many clots, veinlets, fractures etc. 46.1 - 47.7 m: salmon-pink and grey; intense disseminated magnetite and quartz+magnetite stockwork; microbreccia locally healed with magnetite-quartz; chalcopyrite, intergrown with magnetite can be difficult to see. 47.7 - 49.9 m: as 38.0 - 44.8 m; phenocrysts in PPg clasts are larger and occasionally euhedral; intense pervasive K-alteration with some chlorite-actinolite veinlets decreases to envelopes around veinlets; intensely magnetitic in all previously described occurrences. 48.8 - 48.9 m: 10 cm breccia = fault? 49.9 - 50.6 m: mostly grey with strong magnetite, patchy K-alteration; more PPg composition; ubiquitous to locally strong chalcopyrite - with magnetite, in fractures and magnetite veinlets. IN general, a very nice-looking breccia.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-49

Zone	C Pit - south	Easting	2223.0	Drilled By	F. Boisvenu Drilling
Length (m)	50.6	Northing	3172.3	Logged By	V. Park
		Elevation	1075.2	Comments	

Depth	Az	Dip	Survey Type
0.0	155	-45	Head Set

Lithology

From	To	LITH	Description
0.0	12.2	CA	Casing; no recovery.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
12.2	14.0	74001	0.370	0.006	0.81	9.04
14.0	15.5	74002	0.413	0.020	0.84	7.79
15.5	17.4	74003	0.308	0.011	0.52	6.06
17.4	18.8	74004	0.258	0.009	0.52	4.09
18.8	20.2	74005	0.175	0.008	0.28	4.54
20.2	21.9	74006	0.222	0.014	0.68	5.05
21.9	23.4	74007	0.157	0.008	0.26	4.79
23.4	25.2	74008	0.282	0.008	0.46	4.72
25.2	27.7	74009	0.256	0.010	0.45	7.55
27.7	29.9	74010	0.259	0.008	0.54	6.01
29.9	31.1	74012	0.210	0.014	0.56	5.52
31.1	33.3	74013	0.135	0.011	0.19	6.31
33.3	34.8	74014	0.132	0.011	0.19	4.52
34.8	36.9	74015	0.345	0.022	0.70	5.09
36.9	38.9	74016	0.136	0.012	0.22	5.64
38.9	40.7	74017	0.188	0.011	0.31	5.40
40.7	43.0	74018	0.008	0.001	0.01	6.00
43.0	45.0	74019	0.005	0.001	0.01	6.12
45.0	47.0	74020	0.005	0.001	0.01	6.13
47.0	49.0	74021	0.005	0.001	0.01	5.81
49.0	50.6	74023	0.005	0.001	0.02	5.44

Lithology

From	To	LITH	Description
12.2	40.7	BX	Breccia; generally mottled salmon-pink, grey and black - with sections that are dominantly one colour; strongly to intensely magnetitic - disseminated, wisps, veinlets, swirls, clots etc. - it's everywhere!; K-alteration dominates - always intense where present; ubiquitous sericite; minor local chlorite; numerous sub-mm quartz (+/- calcite) stringers/veinlets - forms fine stockwork locally - often with potassic alteration envelopes and occasionally adjacent to local quartz flooding; quartz veinlets frequently host magnetite and chalcopyrite; ubiquitous chalcopyrite; very *strong locally, as sub-mm to cm-size concentrations/blobs in quartz/qz-mt veinlets of all orientations, and also as* fine disseminated crystals and mm-scale clots - always associated with magnetite and clasts are usually monzonite to diorite, equigranular to phyric; minor aphanitic volcanic - 1 dm clasts. 12.2 - 14.0 m: pink and grey rubble; calcite veinlets; totally decomposed - in part due to 1070 bench blast sub-grade, but also due to apparent dm-scale faults = magnetitic, chalcopyritic gouge with calcite and chlorite; chalcopyrite in fractures and quartz veinlets; strong breccia texture in rare pieces >5 cm. 14.0 - 21.9 m: mostly deep salmon-pink with grey mottling; igneous textures (equigranular to weak plagioclase porphyry monzonite/diorite) often well preserved; good breccia texture also; K-alteration is often so strong that all textures are overprinted; intensely potassic envelopes around subtle hairline quartz veinlets - in regular and irregular sets; intensely magnetitic - along with biotite invades groundmass and also occurs as breccia cement and is present in wisps, stringers, veinlets, gashes, clots etc. - intense and ubiquitous!; chalcopyrite is everywhere (impossible to estimate quartz) and always associated with qz, mt and qz-mt - as fine disseminations but also as mm-scale disseminated blebs and obvious concentrations in larger qz-mt veinlets and in magnetitic voids; chalcopyrite is more difficult to see in most potassic sections; cp+mt in most fractures. 21.9 - 31.1 m: breccia; mostly grey with lesser salmon-pink mottling; dominant lithology = medium-dark grey, very strongly magnetitic plagioclase porphyry (diorite) with white, blurred (sericitic) crowded phenocrysts <1-2mm that seem to form dm to sub-m clasts; cut by random cm-scale magnetite-quartz veinlets and interclast cement that is a micro breccia, is intensely potassic (within and along selvages); some irregular cm-size veinlets contain excellent qz+mt crystals (like teeth perpendicular to selvages = cool!) with flaky biotite-like crystals too; dm-scale sections are completely infused with fine magnetite; locally silicified - associated with magnetite; fine but subtle, locally strong hairline quartz (+/- calcite) stockwork; quartz also as cm-size veinlets with magnetite and chalcopyrite - almost always with intensely potassic alteration envelopes. Ubiquitous chalcopyrite, as fine disseminated crystals and blebs <1mm, occurring with and intergrown with abundant magnetitic fractures and as obvious clots in irregular quartz veinlets and within irregular quartz swirls, blebs etc.; some mm-scale intervals with decreased alteration, veining etc., with greenish hue due to sericite and limonite. 31.1 - 33.3 m: mostly pink with grey mottling, as 14.0 - 21.9 m; excellent breccia and igneous textures; abundant squiggly hairline magnetite wisps, stringers, lenses, clots etc.; chalcopyrite with magnetite in all occurrences, including disseminated; strong hairline quartz stockwork. 33.3 - 34.0 m: PPg; plagioclase porphyry dyke with sharp, parallel, unbroken contacts; greenish grey with crowded, sericitized and rounded phenocrysts <1-2 mm; weak semi-pervasive to selective K-alteration; strongly magnetitic - fine disseminations and also some clots and stringers - marks lower contact; chalcopyrite (and pyrite) disseminated throughout; this might be a large clast rather than an apophasis. 34.0 - 40.7 m: intensely potassic breccia, as 14.0 - 21.9 m and 31.3 - 33.3 m; strong breccia textures with excellent equigranular to definitely plagioclase phyric textures; intensely magnetitic - disseminations, veinlets, fractures, stringers, wisps, gashes, clots and saturations - forms fine stockwork with quartz locally; numerous but not dense qz and qz-ca veining - white, in parallel and conjugate sets; clear quartz (+/- mt) veinlets make stockwork; *ubiquitous chalcopyrite - disseminated crystals, blebs and stringers - viewed in all fractures and on any* broken or cut surface - always associated with magnetite - stronger concentrations locally - all sulfides. 34.0 - 34.6 m: planar fabric in breccia clasts and veining parallel to contact at 34.0 m; strong quartz stockwork; some chloritic quartz veinlets. 35.4 - 36.9 m: intensely potassic; all pink with quartz and magnetite stockwork and very strong breccia textures -

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
			well developed clasts; broken and rubbly with strong fracture (calcitic) orientation parallel to core axis. At 40.7 m: very sharp, planar broken contact.
40.7	50.6	DYKE	Augite porphyry dyke; dark grey to black with greenish hue; aphanitic, magnetitic and biotitic groundmass (very sparkly) with green to black augite phenocrysts, often crowded, <1-2 mm - subtle porphyry; slightly softer than breccia, but not really soft like dykes often are either; calcite and chlorite on some fractures; breaks with dm spacing - often parallel to core axis; not mineralized.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Drillhole Report

MP-01-50

Zone	C Pit - south	**Easting**	2248.0	***Drilled By***	F. Boisvenu Drilling
Length (m)	50.6	**Northing**	3177.8	**Logged By**	V. Park
		Elevation	1077.8	**Comments**	

Depth	*Az*	*Dip*	*Survey Type*
0.0	155	-45	Head Set
50.6	155	-43	Acid Test

Lithology

From	To	LITH	Description
0.0	10.4	CA	Casing; no recovery,
10.4	11.0	DYKE	Augite porphyry dyke; green-grey aphanitic to fine grained groundmass with green and black augite crystals <1-2 mm; magnetitic; not visibly mineralized; rubble = 1070 bench blast sub-grade; broken contacts.
11.0	13.4	BX	Breccia; mottled pink and grey; monzonite to PPp; strong semi-pervasive potassic alteration; strongly magnetitic - very, very poor rock quality - blast sub-grade still; trace visible chalcopyrite on broken surfaces; calcitic fractures; broken contacts.
13.4	19.5	DYKE	Augite porphyry dyke; dominantly grey/green-grey; very fine grained equigranular groundmass with black and green augite crystals1-3 mm; aphanitic chill margins from 19.3 m; contains minor dm-scale PPg clasts; dm-scale patches with pink-brown colour due to oxidation and staining from abundant modal magnetite; sub-cm fracture density; some pink staining also due to moderate K-alteration; numerous white calcite veinlets/fractures and hairline gashes and veinlets; chlorite and sericite throughout - weak; not mineralized; sharp unbroken lower contact.
19.5	22.3	BX	Breccia; pink with grey mottling; intrusive fragments (MX, PPp, PPg) in monzonitic to plagioclase porphyry groundmass; abundant secondary biotite associated with strong to locally intense, semi-pervasive K-alteration; parallel dm spaced fractures; several hairline calcite fractures; strong disseminated and occasionally stringy magnetite; rare visible chalcopyrite is intergrown with magnetite disseminations and veinlets; sharp non-parallel contacts.
22.3	23.8	DYKE	Augite porphyry dyke; as 13.4 - 19.5 m; greenish bleaching around micro quartz veinlets; weak to moderate pervasive K-aletration near sharp, planar, unbroken contacts; magnetitic; not mineralized; competent and hard.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
10.4	11.0	74054	0.060	0.001	0.09	5.74
11.0	13.4	74055	0.309	0.013	0.53	6.46
13.4	15.0	74056	0.015	0.001	0.01	5.74
15.0	16.2	74057	0.060	0.002	0.10	4.21
16.2	17.7	74058	0.034	0.001	0.04	5.66
17.7	19.5	74059	0.007	0.001	0.01	4.75
19.5	21.0	74060	0.251	0.007	0.48	4.60
21.0	22.3	74062	0.110	0.005	0.21	4.30
22.3	23.8	74063	0.029	0.001	0.04	5.23
23.8	24.7	74064	0.113	0.002	0.15	4.60
24.7	26.0	74065	0.183	0.011	0.42	5.36
26.0	28.0	74066	0.160	0.013	0.43	5.46
28.0	30.0	74067	0.158	0.009	0.36	4.90
30.0	32.0	74068	0.064	0.006	0.14	5.52
32.0	34.0	74069	0.075	0.006	0.16	5.94
34.0	36.2	74070	0.153	0.046	0.33	5.67
36.2	37.7	74071	0.190	0.144	0.42	6.31
37.7	39.3	74072	0.217	0.156	0.51	5.93
39.3	40.2	74074	0.249	0.191	0.51	5.50
40.2	42.2	74080	0.182	0.069	0.34	5.48
42.2	43.5	74075	0.119	0.014	0.21	3.41
43.5	45.5	74076	0.154	0.011	0.25	4.78
45.5	47.5	74077	0.134	0.007	0.13	4.18
47.5	49.6	74078	0.205	0.011	0.24	4.89
49.6	50.6	74079	0.136	0.065	0.21	5.13

Lithology

From	To	LITH	Description
23.8	36.2	BX	Breccia; as 19.5 - 23.2 m; mostly pink to salmon-pink with grey and black mottling; good breccia textures; variable igneous textures; regular parallel sub dm-spaced fractures - also in conjugate sets; more tectonized to lower contact. Intensely K-altered - pervasive to very localized; ubiquitous sericite. Intensely magnetitic - disseminated veinlets, stockwork with magnetite, interclast voids etc - locally forms dense stockwork. Ubiquitous and often dense hairline quartz veinlets and stockwork, often with magnetite and very frequently with mm-scale potassic envelopes; calcite veinlets everywhere - often with chlorite. Chalcopyrite, usually very difficult to see, intergrown with magnetite; very, very, very rare fractures with malachite and calcite. Nice alteration, so even though I don't see much mineralization I expect good numbers. *Transitional into:*
36.2	40.2	BX	Breccia with fault; as 23.8 - 36.2 m but with much more intense brecciation, veining etc - distinctly more deformed-looking; often rubbly. Intense pervasive K-alteration; oxidized fractures (with limonite, hematite and some minor malachite) with earthy carbonate and manganese oxide; intense pervasive oxidation at 37.5 - 37.7 m = fault. Strong magnetite with some dominant veining parallel to core axis. Chalcopyrite, with magnetite and best seen in fractures. 37.5 - 37.7 m: rusty gouge; structure not preserved. Main contacts somewhat arbitrary and based on degrees of veining and tectonism.
40.2	49.6	BX	Breccia; poor breccia texture; mostly greyish monzonitic intrusive (equigranular to PPg) with sub-cm angular volcanic xenoliths and numerous hairline fractures, veinlets with potassic envelopes - often as dense stockwork; somewhat chloritic (and sericite) after modal mafics: Magnetite veinlets (etc) are present but not as dense as elsewhere; fine disseminated magnetite. Rare visible chalcopyrite with magnetite. 40.2 - 42.2 m: oxidized fractures. 42.2 - 45.5 m: irregular (boudin-like) quartz-actinolite, qz-magnetite veinlets <1 cm with mm to cm scale potassic envelopes - run parallel to core axis; crosscut by another dominant fracture set (as elsewhere in hole); chalcopyrite easily seen in larger veinlets.
49.6	50.6	BX	Breccia; deep salmon-pink; much as 36.2 - 10.2 m; dm spaced fractures; strong breccia texture; oxidation in several fractures; calcite and chlorite fractures common; crappy, cruddy rock; no visible mineralization, but I suspect that it's there.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-51

Zone	Springer	**Easting**	1767.1	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3194.5	**Logged By**	V. Park
		Elevation	1122.5	**Comments**	

Depth	Az	Dip	Survey Type
0.0	0	-50	Head Set
59.7	0	-48	Acid Test
200.0	0	-45.5	Acid Test

Lithology

From	To	LITH	Description
0.0	12.8	CA	Casing; no recovery.
12.8	17.1	BX	Grey/pink breccia; large grey clasts of monzonite/diorite; minor magnetite; remnant porphyry texture in matrix; no visible chalcopyrite.
17.1	20.2	FAULT	Fault zone; South Boundary Fault; milled to gravel though whole zone; 10% gouge; ends in soft clay-altered augite porphyry dyke.
20.2	93.5	BX	Breccia; grey with pink k-spar blotches; pyrite/chalcopyrite noted through zone, in disseminations, not veined; magnetite in disseminations, blebs, veins. 47.5 - 53.6 m: Fault; highly fractures to 50.6 m; 5% gouge. 53.0 - 53.6 m: totally fractures graphite slickensides at 80 CA. Grey breccia continued, as 20.2 on, as long solid runs. 63.0 - 68.8 m: Fault; totally fractured 20% to gravel and 5% gouge; many sections (2-5 m) with porphyritic texture (white feldspar phenocrysts). 88.5 - 88.9 m: DYKE; small, soft, clay-altered dyke; green-grey flat matrix.
93.5	99.0	DYKE	Fault; filled with grey clay-altered dyke - highly altered version of augite porphyry dyke see in Cariboo.
99.0	100.4	BX	Breccia, as 20.2 - 63.5 m.
100.4	103.3	DYKE	Dyke; green, moderately clay-altered augite porphyry dyke (Cariboo type).
103.3	200.0	BX	Breccia, as 20.2 - 93.5 m; alternating sections (1-3m) of intense pink breccia, grey/pink breccia, brown/pink/grey breccia with remnant porphyry texture. Green copper oxide on some fractures; minor chalcopyrite noted with usual abundant magnetite. 124.2 - 127.8 m: Green augite porphyry dyke; highly clay altered; very soft. 131.2 - 135.0 m: moderately fractured; 25% milled to gravel; 5% gouge. Breccia continued; mostly intense pink type; loss of rmmnant porphyry terxture (btown/grey breccia); 20% pink/grey breccia. 193.9 - 198.0 m: Fault; highly fractured breccia; 60% gravel size; green copper oxides on all fractures.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
12.8	14.0	73458	0.129	0.007	0.10	5.75
14.0	16.0	73459	0.125	0.007	0.07	5.25
16.0	18.0	73460	0.128	0.015	0.09	5.70
18.0	20.2	73461	0.103	0.004	0.08	5.00
20.2	21.1	73462	0.015	0.001	0.01	6.56
21.1	23.0	73463	0.288	0.006	0.35	6.98
23.0	25.0	73464	0.249	0.004	0.22	7.87
25.0	27.0	73465	0.199	0.003	0.44	6.56
27.0	29.0	73466	0.179	0.015	0.14	6.60
29.0	31.0	73467	0.167	0.021	0.07	6.78
31.0	33.0	73469	0.190	0.024	0.08	7.43
33.0	35.0	73470	0.172	0.021	0.08	6.92
35.0	37.0	73471	0.177	0.007	0.12	5.71
37.0	39.0	73472	0.108	0.003	0.07	5.03
39.0	41.0	73473	0.204	0.006	0.13	6.76
41.0	43.0	73474	0.218	0.005	0.17	6.34
43.0	45.0	73475	0.185	0.007	0.09	6.25
45.0	47.0	74351	0.183	0.005	0.09	6.53
47.0	49.0	74352	0.292	0.008	0.20	6.00
49.0	51.0	74353	0.536	0.013	0.94	6.81
51.0	53.0	74355	0.201	0.005	0.25	5.97
53.0	55.0	74356	0.255	0.009	0.20	7.29
55.0	57.0	74357	0.240	0.007	0.06	7.21
57.0	59.0	74358	0.170	0.007	0.04	6.51
59.0	61.0	74359	0.170	0.005	0.11	5.98
61.0	63.0	74360	0.099	0.004	0.06	5.82
63.0	65.0	74361	0.117	0.006	0.08	4.87
65.0	67.0	74362	0.094	0.003	0.06	2.70
67.0	68.8	74363	0.101	0.004	0.14	3.16
68.8	71.0	74364	0.096	0.003	0.09	5.36

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
71.0	72.9	74366	0.082	0.003	0.09	5.80
72.9	75.6	74367	0.106	0.004	0.12	5.93
75.6	77.9	74368	0.094	0.004	0.10	5.96
77.9	79.8	74369	0.030	0.001	0.01	4.38
79.8	82.1	74370	0.027	0.001	0.02	4.13
82.1	84.0	74371	0.034	0.001	0.02	4.99
84.0	86.0	74372	0.042	0.003	0.03	4.19
86.0	88.5	74373	0.066	0.003	0.04	4.77
88.5	88.9	74374	0.028	0.003	0.03	3.74
88.9	91.0	74375	0.167	0.022	0.26	4.52
91.0	92.5	74377	0.076	0.007	0.18	4.16
92.5	93.5	74378	0.170	0.011	0.20	4.06
93.5	95.0	74379	0.170	0.006	0.16	4.93
95.0	97.3	74380	0.393	0.025	0.23	5.89
97.3	99.0	74381	0.383	0.012	0.29	3.28
99.0	100.4	74382	0.315	0.015	0.46	5.39
100.4	103.3	74383	0.035	0.005	0.01	3.85
103.3	105.3	74384	0.295	0.076	0.18	5.98
105.3	106.6	74385	0.205	0.061	0.12	8.41
106.6	108.6	74386	0.338	0.238	0.24	6.90
108.6	110.1	74388	0.311	0.110	0.17	8.16
110.1	111.1	74389	0.238	0.077	0.17	4.48
111.1	113.2	74390	0.310	0.047	0.23	6.37
113.2	114.7	74391	0.289	0.054	0.19	5.86
114.7	116.8	74392	0.211	0.033	0.25	6.78
116.8	119.1	74393	0.324	0.104	0.26	6.42
119.1	121.1	74394	0.416	0.106	0.44	4.82
121.1	122.4	74395	0.263	0.180	0.28	2.67
122.4	124.2	74396	0.409	0.330	0.31	3.38
124.2	126.0	74397	0.215	0.112	0.15	4.68
126.0	127.8	74399	0.147	0.060	0.06	4.40
127.8	129.5	74400	0.893	0.727	1.16	4.81
129.5	131.2	74401	1.784	1.409	0.57	5.68
131.2	133.4	74402	0.874	0.705	0.70	4.60
133.4	135.5	74403	0.788	0.602	0.79	4.62
135.5	138.0	74404	0.460	0.359	0.47	5.92
138.0	139.0	74405	0.417	0.313	0.35	5.33
139.0	141.4	74406	0.629	0.462	0.38	5.49
141.4	144.0	74407	0.768	0.164	0.47	5.80
144.0	146.1	74408	0.696	0.482	0.38	4.76
146.1	148.0	74410	0.652	0.340	0.42	5.76
148.0	150.0	74411	0.545	0.105	0.38	6.40

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
150.0	152.0	74412	0.475	0.060	0.39	6.14
152.0	154.0	74413	0.790	0.114	0.52	5.55
154.0	156.0	74414	0.747	0.090	0.48	5.05
156.0	158.0	74415	0.430	0.062	0.53	5.72
158.0	160.0	74416	0.677	0.055	0.54	6.00
160.0	162.2	74417	0.476	0.041	0.34	5.85
162.2	164.9	74418	0.895	0.042	0.68	5.65
164.9	165.9	74419	0.663	0.041	0.54	5.22
165.9	167.9	74421	0.433	0.053	0.38	6.37
167.9	169.1	74422	0.441	0.032	0.38	5.61
169.1	170.8	74423	0.713	0.052	0.49	4.80
170.8	172.7	74424	0.598	0.048	0.43	5.99
172.7	174.4	74425	0.407	0.036	0.26	4.89
174.4	176.1	74451	0.471	0.024	0.37	5.26
176.1	178.8	74452	0.475	0.050	0.36	5.97
178.8	180.1	74453	0.735	0.086	0.56	6.23
180.1	182.0	74454	0.421	0.048	0.25	6.18
182.0	184.0	74455	0.380	0.030	0.20	6.18
184.0	186.1	74457	0.426	0.035	0.25	6.72
186.1	187.4	74458	0.331	0.033	0.22	6.69
187.4	189.0	74459	0.257	0.028	0.17	4.46
189.0	191.0	74460	1.036	0.117	0.79	4.45
191.0	193.0	74461	0.497	0.078	0.32	7.09
193.0	193.9	74462	0.560	0.079	0.51	8.07
193.9	196.0	74463	0.334	0.238	0.28	6.03
196.0	198.0	74464	0.362	0.048	0.21	4.64
198.0	200.0	74465	0.448	0.079	0.36	5.96

Drillhole Report

MP-01-52

Zone	Springer	**Easting**	1511.0	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3785.3	**Logged By**	V. Park
		Elevation	1170.9	**Comments**	

Depth	Az	Dip	Survey Type
93.3	0	-88	Acid Test
0.0	0	-90	Head Set
200.0	0	-89	Acid Test

Lithology

From	To	LITH	Description
0.0	5.5	CA	Casing; no recovery.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
5.5	8.0	74466	0.527	0.480	0.21	4.03
8.0	10.0	74467	0.378	0.275	0.24	4.01
10.0	12.0	74468	0.285	0.204	0.30	2.91
12.0	14.0	74469	0.372	0.107	0.35	4.28
14.0	16.0	74470	0.347	0.066	0.30	0.37
16.0	18.0	74471	0.267	0.025	0.30	3.71
18.0	20.0	74472	0.472	0.023	0.57	4.56
20.0	22.0	74473	0.559	0.050	0.67	4.13
22.0	24.0	74474	0.203	0.025	0.13	3.15
24.0	26.0	74475	0.078	0.022	0.07	3.07
26.0	28.0	72627	1.190	0.086	1.94	2.87
28.0	30.0	72628	5.340	0.091	0.77	3.44
30.0	32.3	72629	0.549	0.089	0.70	2.85
32.3	33.4	72630	0.910	0.676	0.88	3.78
33.4	35.5	72631	0.736	0.119	1.04	3.72
35.5	37.0	72632	0.737	0.099	0.82	3.97
37.0	39.0	72633	0.632	0.042	0.70	2.75
39.0	41.2	72634	0.428	0.205	0.78	3.76
41.2	43.0	72635	0.750	0.319	1.31	5.23
43.0	44.5	72636	0.457	0.236	0.82	4.33
44.5	45.7	72638	0.413	0.331	0.65	4.32
45.7	48.4	72639	0.522	0.091	0.74	5.06
48.4	49.9	72640	0.582	0.073	1.02	5.12
49.9	52.0	72641	0.526	0.064	0.50	5.32
52.0	54.0	72642	0.679	0.038	0.59	4.98
54.0	55.7	72643	0.410	0.032	0.30	4.63
55.7	58.5	72644	0.384	0.044	0.36	5.32
58.5	60.7	72645	0.378	0.052	0.32	4.29
60.7	61.9	72646	0.342	0.026	0.23	3.77
61.9	63.9	72647	0.524	0.049	0.44	4.75

Lithology

From	To	LITH	Description
5.5	149.1	BX	Breccia; tense pink breccia; fractured to 12.0 m, with green oxide on surfaces; alternating sections of pink with grey/pink breccia, with minor chrysocolla noted on sevral surfaces; minor visib;le chalcopyrite through zone; usual abundant magnetite. 44.5 - 45.7 m: Fault; totally milled to gravel; no gouge. 55.7 - 60.0 m: intense breccia with abundant magneite veining/bleb. (End G. Gillstrom logging) 70.2 - 72.6 m: intensely tectonized ; numerous, often parallel but frequently stockworked magnetite; sevral powdery, mily calcite and qaurzt-calcite veinlets - also as cement in local micro breccia; rust in some fractures; chlorite in most fractures/veinlets; disseminated sulfides in magnetite - difficult to see. 74.6 - 78.6 m: competent, uniform but with strong pervasive K-alteration. 78.6 - 86.9 m: pink and grey mottling; occasional white calcite and quartz (sparry) veinlets <1 cm and ubiquitous but not dense qz-ca-chl veinlets/stringers; fine magnetite stockwork and veining, locally very dense; sevral slickensided hematitic fractures; visible sulfides are very rare. 86.9 - 90.1 m: uniform pink with selective clay alteration of plagioclase phenocrysts <1-2 mm and several chloritic spots <1mm to >1cm; ubiquitous but with calcite/quatz-calcite veining; competent; poor breccia texture but excellent igneous textures; fine disseminated magnetite and occasional hairline magnetite stringers/veinlets. 90.1 - 92.2 m: dominantly grey with pink potassic stripes <1mm and larger pink k-spar and quartz blobs = local breccia cement - aslo includes magnetite; minor visible chalcopyrite and pyrite intergrown withmagnetite. 92.2 - 94.0 m: as 86.9 - 90.1 m; strong potassic alteration with albitic sections, severai chlorite (+ca+qz) splotches, clots, fractures; ubiquitous sub-mm calcite veinlets; some fine disseminated magnetite and occasioanl magnetite veinlets <1mm; some off-white dioritic clots. 94.0 - 107.9 m: mottled pink and grey as 78.6 - 86.9 m; increasing chlorite and secondary quartz; significantly increased magnetite as stringers, lenses, clots, disseminations etc.; chlorite and magnetite increase to end of interval. 107.9 - 111.2 m: mostly grey with numerous sub-dm sections with smaller breccia clasts, usually chloritic, within milky quartz-calcite cement; K-alteration is present only in a few clasts and as rare envelopes around veinlets; ubiquitous magnetite as mm scale/hairline stringers and blebs - disseminated through clasts and also as mm scale inclusions within secondary quartz. 111.2 - 122.7 m: mostly grey with pink mottling; much as 94.0 - 107.9 m. 122.7 - 128.5 m: significantly increased K-alteration and stronger magnetite stockwork and veining; numerous mm-scale calcite-chlorite-magnetite veinlets; abundant chlorite as clots; more tectonized than adjacent units. 128.5 - 134.8 m: usually mottled pink and grey. 134.8 - 134.8 m: as 128.5 - 134.8 m but with steadily increasing quartz, calcite, magnetite, chlorite stockwork; gougy micro breccia at 135.2 - 135.5 mm with slickensided broken contacts. 136.0 - 149.1 m: dark pink/salmon-pink; intense magnetite stockwork locally and abundant magnetite (all occurrences) to end of interval; sulfides, intergrown with magnetite are still very difficult to see. From 148.0 m: increased breccia texture and quartz as stringers and some cement.
149.1	150.1	PPg	Plagioclase porphyry dyke; grey with very subtle sericitized plagioclase phenocrysts; strong sub-mm calcite veining and hairline quartz veining (occasionally with potassic envelopes); magnetitic; sharp but subtle contacts.
150.1	157.5	BX	Breccia; dark pink/salmon-pink; intense pervasive K-aletration; numerous quartz and calcite veinlets; intensely magnetitic (stockwork and veinlets) locally; significantly increased tectonism with quartz and quartz veining (deformed/boudin-like) to lower contact; sulfides are very difficult to see.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
63.9	65.9	72649	0.515	0.048	0.44	4.71
65.9	68.0	72650	0.615	0.088	0.75	4.97
68.0	70.2	72651	0.495	0.051	0.69	4.42
70.2	72.6	72652	0.379	0.071	0.22	6.02
72.6	74.6	72653	0.270	0.063	0.18	6.09
74.6	76.6	72654	0.324	0.143	0.36	5.78
76.6	78.6	72655	0.351	0.096	0.31	3.17
78.6	80.6	72656	0.279	0.133	0.24	4.62
80.6	82.6	72657	0.208	0.055	0.06	4.77
82.6	84.6	72658	0.196	0.075	0.09	3.96
84.6	86.9	72660	0.136	0.019	0.04	5.19
86.9	88.9	72661	0.508	0.084	0.23	6.56
88.9	90.1	72662	0.387	0.080	0.11	6.96
90.1	92.2	72663	0.343	0.057	0.11	5.41
92.2	94.0	72664	0.300	0.085	0.11	5.49
94.0	96.0	72665	0.338	0.064	0.22	5.75
96.0	98.0	72666	0.301	0.073	0.24	5.94
98.0	100.0	72667	0.221	0.052	0.09	7.00
100.0	102.0	72668	0.193	0.042	0.07	7.18
102.0	104.0	72669	0.388	0.073	0.33	6.50
104.0	106.0	72671	1.130	0.241	1.18	6.41
106.0	107.9	72672	0.244	0.076	0.19	6.40
107.9	109.4	72673	0.232	0.047	0.13	7.19
109.4	111.2	72674	0.163	0.035	0.09	6.71
111.2	113.0	72675	0.322	0.040	0.41	5.77
113.0	115.0	72676	0.156	0.028	0.15	5.40
115.0	117.0	72677	0.188	0.025	0.10	6.78
117.0	119.0	72678	0.222	0.028	0.15	4.78
119.0	121.0	72679	0.216	0.023	0.11	5.70
121.0	122.7	72680	0.100	0.007	0.06	6.32
122.7	124.5	72682	0.112	0.012	0.07	5.98
124.5	126.5	72683	0.164	0.018	0.14	6.08
126.5	128.5	72684	0.365	0.046	0.33	6.46
128.5	130.5	72685	0.264	0.032	0.18	6.58
130.5	132.5	72686	0.381	0.037	0.28	7.23
132.5	134.8	72687	0.636	0.047	0.51	7.19
134.8	136.0	72688	0.533	0.058	0.44	6.98
136.0	138.0	72689	0.297	0.026	0.28	5.32
138.0	140.0	72690	0.369	0.094	0.34	3.75
140.0	142.0	72691	0.241	0.028	0.19	4.87
142.0	144.0	72693	0.287	0.036	0.29	5.85
144.0	146.0	72694	0.200	0.118	0.22	6.14

Lithology

From	To	LITH	Description
157.5	160.3	BX	Breccia; deep pink as 150.1 - 157.5 m but with stronger breccia textures; grey mottling due to increased secondary biotite and significantly increased magnetite; spidery magnetite network is locally intense; some slickensided fractures; increased chlorite; sulfides are too fine to see.
160.3	167.9	BX	Intensely potassic breccia as 150.1 - 157.5 m; increasing grey mottling; numerous chloritic fractures/veinlets with calcite; ubiquitous dissemiated magnetite and common but not abundant magnetite veining; no visible chalcopyrite. 160.3 - 161.0 m: intense secondary quartz; very fractures; intense tectonism = fault?.
167.9	169.2	DYKE	Augite porphtyy dyke; dark green magnetitic, chlotitic fine grained equigranular groundmass with black to dark green augite phenocrysts <3mm; dm spaced quartz veining < 1cm; hematitic fractures; sharp contacts; not mineralized. 168.7 - 168.8 m: dark purple hematite-quartz-clcite shear.
169.2	170.2	BX	Dark pink breccia with grey mottles; as 160.3 - 167.9 m; sharp contacts.
170.2	172.9	DYKE -aplite	Aplite dyke; cream to light pink (albite?); fine grained equigranular with 2 sets of evenly spaced clear/grey quartz veinlets <1mm; no visible sulfides; sharp contacts; entirely feldspathic. **I have NEVER seen this rock type here before.
172.9	180.8	BX	Pink breccia with grey mottles, as 169.2 - 170.2 m; ubiquitous calcite veinlets; strong chlorite and magnetite stockwork locally; intense pervasive K-alteration.
180.8	195.9	BX	Breccia; strong pink and grey; significantly increased magnetite as dense spidery networks; m-size intervals with feldspathic interclast inclusions and increased chlorite and magnetite; highly variable throughout; sulfides are STILL difficult to see.
195.9	200.0	BX	Intensely potassic breccia as 150.1 - 157.5 m; chloritic clots, veinlets, stringers etc; ubiquitous sub-mm calcite veinlets; strong magnetite stockwork locally; no visible chalcopyrite. From 199.2 m: increased grey mottling and decreased pervasive K-spar alteration; chloritic fractures.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
146.0	148.0	72695	0.281	0.028	0.24	5.92
148.0	150.1	72696	0.317	0.044	0.17	7.30
150.1	152.0	72697	0.206	0.017	0.20	3.77
152.0	154.0	72698	0.238	0.034	0.17	1.40
154.0	156.0	72699	0.373	0.042	0.30	1.31
156.0	157.5	72700	0.230	0.025	0.23	1.35
157.5	158.8	73026	0.263	0.038	0.16	4.56
158.8	160.3	73027	0.235	0.042	0.21	3.91
160.3	161.0	73029	0.323	0.232	0.25	3.46
161.0	163.0	73030	0.264	0.066	0.14	3.06
163.0	165.0	73031	0.554	0.090	0.34	3.60
165.0	166.5	73032	0.397	0.057	0.30	4.08
166.5	167.9	73033	0.213	0.039	0.16	2.16
167.9	169.2	73034	0.015	0.004	0.01	5.51
169.2	170.2	73035	0.141	0.026	0.10	4.35
170.2	172.9	73036	0.029	0.007	0.03	1.69
172.9	173.7	73037	0.438	0.086	0.58	4.34
173.7	175.6	73038	0.211	0.036	0.17	2.04
175.6	178.4	73040	0.225	0.033	0.20	4.57
178.4	180.0	73041	0.296	0.043	0.23	2.17
180.0	180.8	73042	0.318	0.049	0.31	8.52
180.8	182.1	73043	0.287	0.049	0.33	12.00
182.1	183.4	73044	0.229	0.043	0.30	11.50
183.4	185.0	73045	0.483	0.091	0.68	11.00
185.0	187.0	73046	0.248	0.042	0.68	7.84
187.0	188.3	73047	0.271	0.059	0.31	11.90
188.3	190.8	73048	0.268	0.047	0.30	10.60
190.8	191.8	73049	0.553	0.079	0.58	6.00
191.8	193.8	72620	0.167	0.033	0.13	7.66
193.8	195.9	72621	0.266	0.051	0.38	10.20
195.9	197.5	72622	0.193	0.034	0.07	1.99
197.5	199.2	72623	0.234	0.038	0.15	3.51
199.2	200.0	72624	0.113	0.017	0.07	5.90

```
MEDS-612V1  10=cpbh10.DAT  15=cpbh15.DAT  3=RPT612.OR2
 * COMPUTE  CUREC and AUREC  and store in model - level

USR =

PAR04 =  0.0592 / - TCu-Cu Factor
PAR05 =  0.9562 / - OxRat-Cu Factor
PAR06 =  0.9348 / - Cu Intercept Constant
PAR07 =  0.94 / - Maximum Cu recovery
PAR08 =  0.1 / - Minimum Cu recovery
PAR09 =  0.985 / - Cu recovery cut factor
PAR10 =  0.1032 / - TCu-Au factor
PAR11 =  0.3139 / - OxRat-Au Factor
PAR12 =  0.0886 / - Augm Factor
PAR13 =  0.7701 / - Au Intercept Constant
PAR14 =  0.925 / - Maximum Au recovery
PAR15 =  0.1 / - Minimum Au recovery
PAR16 =  1. / - Au recovery cut factor
PAR18 =  1     / - Lower code level
PAR19 =  13    / - Upper code level

IOP2 = 1 / 0=OMIT DATA RETRIEVAL,1=RETRIEVE DATA FROM FILE
IOP3 = 2 / 0=CALL BY ROW,1=CALL BY ROW, BENCH,2=CALL BY ROW,BENCH,END OF RUN
IOP4 = 0 /-1=ACCESS USR612 BUT DO NOT STORE,0=ACCESS AND STORE
IOP5  =  1 115 / Column limits
IOP7 = 1 0 / FIRST AND LAST ROW TO ACCESS
IOP9 = 0 / 0=NO SEQ FILE,1=SEQ OUTPUT FILE,2=SEQ INPUT FILE
IOP10= 0 /0=NO SYMBOL MAP,1= PRINT SYMBOL MAP OF USR612 GENERATED DATA

UPD15 = tcu ratio augm rcu raugm code1
I-O = 0

END
1 38
```

Drillhole Report

MP-01-53

Zone	Springer	**Easting**	1909.3	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3307.1	**Logged By**	C. Wild
		Elevation	1145.8	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-50	Head Set
101.8	270	-46.5	Acid Test
200.0	270	-47	Acid Test

Lithology

From	To	LITH	Description
0.0	4.3	CA	Casing; no recovery.
4.3	23.2	BX	Mottled pink and purple breccia with large purple clasts of plagioclase porphyry ((50%) in 'matrix' of bright pink, Kf-flooded breccia (50%). PP is purplish fine grained porphyry with 30% 1-2 mm phenocrysts of white to bleached grey, sausseritized plagioclase. PP blocks are typically 5-20 cm in size. Pink breccia appears to flood between blocks, is also plagioclase porphyritic though much less obviously so. Interval is moderately fractured. Alteration is weak in PP but strong to intense in pink breccia. Breccia hosts discontinuous veinlets and patches of magnetite, often associated with pale, off-white albite (??). Minor fine grained chalcopyrite is associated with magnetite. Weakly limonitic on fractures. 7.0 - 23.2 m: Pink mottled breccia as described above. Albite is the major alteration mineral. Interval is strongly oxidized with occasional splashy malachite (9.0 m, 16.1 m). Moderately fractured, occasional shear planes at 45 CA. Minor (0.2%) chalcopyrite in magnetite, rare flecks of native copper, possible chalcocite. Minor greenish chlorite-sericite; calcite on fractures, not strong, and white gypsum stringers.
23.2	37.4	PPg	Medium grey to purplish with occasional pink KF flooding into fractures. Occasional tabular KF phenocrysts. Porphyry is the same as above and relatively uniform throughout. Fractures are 45 and 60CA. Minor rubbly zones, increasing down section. Only minor limonite on fractures - low sulfide (grade) section. 23.2 - 34.1 m: Weakly fractured; moderate, uniform magnetism. Calcite more common in veinlets associated with KF. Increasing sericite at 32.4 m. 34.1 - 35.0 m: Increased fracturing, local 'poker chips' at 60 CA, much more calcite and sericite; pale grey. 35.0 - 37.4 m: Moderately fractured, medium grey. Occasional dark grey to glassy porphyry (PP) inclusions.
37.4	38.0	DYKE -and	Sharp planar dyke contact at 60 CA, no apparent chilling in host or dyke. Dyke is fine-grained, uniform, olive-green, competent though soft with chlorite (sericite) and calcite in veinlets and groundmass. 2% biotite (chlorite) phenocryst in middle of dyke.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
4.3	5.0	72625	0.271	0.226	0.60	5.69
5.0	7.0	74276	0.169	0.132	0.24	4.19
7.0	9.0	74277	0.193	0.150	0.16	4.72
9.0	11.0	74278	0.328	0.290	0.29	3.72
11.0	13.0	74279	0.180	0.140	0.10	6.12
13.0	15.0	74280	0.425	0.344	0.26	6.41
15.0	17.0	74281	0.459	0.379	0.38	6.43
17.0	19.0	74282	0.236	0.153	0.17	6.11
19.0	21.0	74283	0.256	0.159	0.29	4.84
21.0	23.2	74284	0.519	0.395	0.96	6.55
23.2	25.0	74286	0.048	0.036	0.03	3.12
25.0	27.0	74287	0.034	0.024	0.01	2.71
27.0	29.0	74288	0.049	0.037	0.00	3.69
29.0	30.8	74289	0.031	0.023	0.01	3.62
30.8	32.3	74290	0.060	0.038	0.01	4.01
32.3	33.8	74291	0.061	0.041	0.01	3.63
33.8	35.0	74292	0.032	0.015	0.01	3.08
35.0	37.4	74293	0.030	0.020	0.01	3.17
37.4	38.0	74294	0.005	0.004	0.01	4.65
38.0	40.0	72563	0.029	0.010	0.01	3.10
40.0	42.0	74295	0.039	0.026	0.02	3.05
42.0	44.1	74297	0.085	0.046	0.01	3.10
44.1	46.0	74298	0.113	0.071	0.03	3.41
46.0	47.5	74299	0.220	0.159	0.03	3.23
47.5	49.5	74300	0.037	0.024	0.01	2.82
49.5	51.2	73151	0.082	0.056	0.01	3.14
51.2	53.5	73152	0.017	0.012	0.01	2.60
53.5	55.1	73153	0.002	0.001	0.01	4.91
55.1	56.7	73154	0.027	0.011	0.01	3.49
56.7	58.2	73155	0.009	0.006	0.01	3.93

Lithology

From	To	LITH	Description
38.0	53.5	PPg	As above; weakly pinkish-purple. 38.8 - 39.1 m: Rubbly. 43.5 - 44.1 m: Kf-sericite rubble. 45.8 - 47.5 m: Moderately-strongly fractured; limonite, sericite/hematite locally rubble. Pale grey. Green-grey on fractures. Glassy to bluish quartz veinlet parallel to CA at 46.5 m. 47.5 - 49.5 m: Competent, purplish section; less fractured. 49.5 - 49.8 m: Rubbly; clay and sericite. 49.8 - 51.2 m: As 47.5 - 49.5 m. 51.2 - 53.5 m: Rubbly; not much clay or sericite.
53.5	54.2	DYKE - and	Rubbly upper contact with 10 cm of sheared clay-sericite. Fine grained, weakly porphyritic, olive-green as before.
54.2	54.7	DYKE -Maf	Dyke intrudes AND at 70 CA, very sharp planar contact. Dark grey, almost black with 3 • 1 cm bands of dispersed, irregular white sausseritized plagioclase phenocrysts parallel to upper contact. Sharp lower contact, fractures. Moderately magnetic - slightly more so than AND.
54.7	55.1	DYKE - and	Uniform dyke, as above. Lower contact at 60 CA, displaced 0.5 cm along a fracture 35 CA.
55.1	59.9	PPg	Grey porphyry, as above. Uniform and competent interval with strongly limonitic fractures (57.3 - 57.9 m) at 30 and 60 CA. Tabular KF phenocrysts are somewhat more common. Inclusion of pink PP, 1 * 3 cm (58.8 m).
59.9	62.6	DYKE -Maf	As above. Upper contact at 55 CA, very sharp, marked by calcite veinlets. Dyke is uniform, cut by white calcite veinlets at 20, 35, 55 CA. Lower contact is marked by 1-2 cm clay and 2-3 cm of calcite veinlets at 55-60 CA.
62.6	84.2	PPg	Pinkish grey porphyry, as above dyke, moderate to weak fracturing with occasional limonite-sericite and calcite veining. Inclusions of pink PP (post KF) and black to dark grey volcanics relatively more common (<<1%). Uniform, very hard, competent interval.
84.2	88.6	PPp	Relatively sharp contact with a much pinker plagioclase porphyry. Texturally unchanged, KF not pervasive leaving roundish areas of grey PP from 1-6 cm across - resemble xenoliths but plagioclase phenocrysts cross KF boundaries. Abrupt increase in fine grained chalcopyrite throughout, associated with increased magnetite. Also, pale albite veinlets. Locally, irregular coarse, vuggy calcite veinlets, associated with albite?
88.6	92.8	DYKE - ap	Dark to medium green, strong augite phenocrysts, 1-2 mm, 10-20% of unit. Groundmass is weakly 'pinked'. Phenocrysts are chloritized, pyrite (?) altered to hematite, minor epidote and calcite; moderately magnetitic. Sharp chilled upper contact at 40CA, chill margin 2-3 cm. Sharp, sheared lower contact at 40 CA; rubbly over bottom 10 cm. Weakly fractured, competent unit.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
58.2	59.9	73156	0.041	0.008	0.02	3.78
59.9	62.6	73158	0.004	0.001	0.00	5.95
62.6	64.0	73159	0.010	0.006	0.02	3.18
64.0	66.0	73160	0.018	0.011	0.01	3.27
66.0	68.0	73161	0.013	0.006	0.01	3.45
68.0	70.0	73162	0.048	0.008	0.02	4.73
70.0	72.0	73163	0.021	0.002	0.01	3.35
72.0	74.0	73164	0.007	0.001	0.01	3.22
74.0	76.0	73165	0.098	0.028	0.01	4.40
76.0	77.7	73166	0.009	0.003	0.01	4.12
77.7	79.1	73167	0.014	0.002	0.01	3.45
79.1	80.7	73169	0.019	0.004	0.01	3.76
80.7	82.4	73170	0.006	0.001	0.01	2.93
82.4	84.2	73171	0.027	0.001	0.02	3.49
84.2	85.9	73172	0.249	0.009	0.17	6.77
85.9	88.6	73173	0.480	0.014	0.16	8.47
88.6	90.6	73174	0.016	0.001	0.01	5.22
90.6	92.8	73175	0.015	0.002	0.01	5.60
92.8	94.0	72551	0.703	0.013	0.48	10.00
94.0	96.0	72552	0.641	0.022	0.48	10.90
96.0	97.8	72553	0.043	0.002	0.02	5.64
97.8	99.4	72555	0.293	0.015	0.13	5.84
99.4	101.1	72556	0.169	0.004	0.09	4.14
101.1	102.6	72557	0.222	0.007	0.05	6.06
102.6	104.1	72558	0.155	0.006	0.05	5.21
104.1	106.0	72559	0.014	0.001	0.01	5.41
106.0	108.0	72560	0.016	0.002	0.01	4.62
108.0	108.8	72561	0.025	0.001	0.01	5.65
108.8	110.4	72564	0.234	0.027	0.12	4.89
110.4	112.0	72565	0.211	0.015	0.12	5.37
112.0	114.0	72566	0.577	0.046	0.37	8.08
114.0	116.0	72568	0.239	0.051	0.19	5.85
116.0	117.9	72569	0.336	0.039	0.30	4.99
117.9	118.6	72570	0.030	0.002	0.03	5.33
118.6	120.1	72571	0.079	0.021	0.06	4.67
120.1	122.0	72572	0.176	0.010	0.19	5.46
122.0	123.5	72573	0.147	0.008	0.12	4.13
123.5	125.1	72574	0.233	0.018	0.30	4.40
125.1	126.3	72575	0.364	0.028	0.22	6.00
126.3	127.3	72826	0.372	0.107	0.26	5.19
127.3	129.8	72827	0.354	0.095	0.21	4.47
129.8	132.0	72830	0.012	0.003	0.02	5.46

Lithology

From	To	LITH	Description
92.8	96.2	BX	92.8 - 93.9 m: Brecciated pink PP, retains strong porphyritic texture as noted above dyke. Matrix of hydrothermal breccia id pink Kf and pale, almost greenish albite. Strongly magnetic but magnetite is not obvious. Blebby and fine chalcopyrite in matrix and with fine magnetite. Fleck of native copper. 93.9 - 95.9 m: Strong Kf flooding has largely obliterated porphyry. Black magnetite more obvious, vuggy albite. Late calcite veinlets common at 60 CA. Blebby and stringer chalcopyrite, also finely disseminated associated with magnetite. 95.9 - 96.2 m: "Contact' zone with AP dyke. Less Kf, cp.
96.2	98.8	DYKE	Dyke very similar to above except well-fractures often along calcite veinlets. Upper contact is irregular, 1-2 cm chill margin and at 40 CA. Locally rubbly, sheared clay-chlorite at 60 CA. Lower contact marked by 10 cm chill margin, fine grained with hematite on fractures.
98.8	99.1	BX	Rubbly pink sheared breccia with 5 cm of massive chalcopyrite - magnetite-chalcocite flooding at 60 CA. Rest is not well mineralized.
99.1	99.4	FAULT	Fine crumbly gouge with small pieces of Kf-altered breccia.
99.4	101.0	PPp	Uniform pink, weakly porphryritic. Continuing well fractured. Minor finer grained chalcopyrite associated with magnetite, often on fractures.
101.0	104.1	BX	Dark pink and grey breccia. Not strongly Kf-flooded but well veined with albite and calcite. Well fractured, locally rubbly. Portions are fine brownish PP. Weak fine grained chalcopyrite associated with splashes of Kf and magnetite.
104.1	108.8	DYKE	Well fractured at upper contact, 5 cm chill margin steep to CA. Dyke is same as 88.6 - 92.8 m, gradually becoming more competent toward lower contact. 106.8 - 106.9 m: Dark green chl-ep-ca shear at 65 CA. Sharp lower contact at 62 CA. No evidence of chill margin.
108.8	117.9	BX	Sections of pink Kf-flooded PP and mottled magnetite-rich breccia. 108.8 - 109.3 m: Mottled pick and grey with blebby magnetite and associated fine-grained chalcopyrite. 109.3 - 110.4 m: Strong pink PP; less magnetite - less chalcopyrite; minor flecks of native copper. 110.4 - 112.5 m: Darker pink and grey breccia, as 101.0 - 104.1 m. Weaker cp, magnetite. 112.5 - 114.0 m: Strongly mottled magnetite-rich with very obvious breccia textures. Continues weak to moderate chalcopyrite. Increased fracturing begins at 113.3 m. 114.0 - 114.8 m: Pink PP, as before. Weak cp. 114.8 - 115.3 m: Mottled pink-grey breccia. Minor chalcopyrite and native copper. 115.3 - 117.9 m: Pink PP, as above. Increased blebby and finely disseminated (with magnetite) chalcopyrite.
117.9	18.6	LAMP	Dark greenish grey, fine-grained porphyritic lamprophyre dyke. Chlorite and epidote, chloritized biotite phenocrysts. Sharp and irregular sheared upper contact at 40 CA. Rubbly lower contact.
118.6	119.0	PPp	Short interval of fine porphyry, as above dyke. Weak cp.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
132.0	135.0	72831	0.008	0.001	0.01	4.93
135.0	138.0	72832	0.012	0.003	0.01	5.13
138.0	140.4	72833	0.436	0.026	0.41	7.45
140.4	143.0	72834	0.025	0.010	0.02	3.88
143.0	143.6	72835	0.031	0.014	0.01	3.97
143.6	145.3	72836	0.076	0.038	0.03	3.59
145.3	147.0	72837	0.440	0.195	0.39	6.87
147.0	148.5	72838	0.511	0.211	0.42	6.14
148.5	150.0	72839	0.424	0.029	0.60	7.49
150.0	152.0	72840	0.292	0.025	0.45	5.75
152.0	152.8	72842	0.023	0.004	0.01	5.92
152.8	154.3	72843	0.440	0.096	0.63	6.63
154.3	155.8	72844	0.842	0.161	0.95	8.12
155.8	157.3	72845	0.480	0.115	0.45	8.75
157.3	158.8	72846	0.415	0.081	0.47	6.91
158.8	160.3	72847	1.055	0.040	1.48	7.39
160.3	161.8	72848	0.361	0.061	0.34	7.63
161.8	163.3	72849	0.394	0.088	0.34	7.25
163.3	164.8	72850	0.510	0.049	0.33	5.94
164.8	165.5	72851	0.475	0.129	0.39	5.87
165.5	167.0	72852	0.707	0.116	0.55	7.67
167.0	168.5	72853	0.803	0.095	0.67	7.81
168.5	170.0	72854	0.434	0.045	0.34	7.18
170.0	171.5	72855	0.493	0.138	0.34	5.17
171.5	173.0	72856	0.491	0.034	0.40	6.41
173.0	174.5	72857	0.513	0.047	0.51	6.03
174.5	176.0	72858	0.611	0.048	0.58	6.30
176.0	177.5	72859	0.414	0.085	0.39	7.39
177.5	179.0	72860	0.624	0.032	0.53	9.14
179.0	180.6	72862	0.646	0.048	0.78	8.02
180.6	181.6	72863	0.120	0.017	0.04	5.84
181.6	182.6	72864	0.219	0.031	0.05	6.90
182.6	184.3	72865	0.044	0.015	0.02	5.85
184.3	186.0	72866	0.037	0.009	0.03	5.70
186.0	187.8	72867	0.025	0.012	0.02	5.97
187.8	189.3	72868	0.445	0.135	0.50	5.74
189.3	190.8	72869	0.435	0.200	0.57	6.39
190.8	192.3	72870	0.426	0.206	0.67	6.28
192.3	193.8	72871	0.344	0.152	0.58	6.66
193.8	195.3	72872	0.384	0.218	0.46	6.58
195.3	196.8	72873	0.415	0.180	0.57	5.91
196.8	198.3	72874	0.388	0.087	0.39	5.66

Lithology

From	To	LITH	Description
119.0	119.4	LAMP	Well sheared, hematitic and chloritic. Upper contact at 60 CA. Rubble lower contact appears to be 30-40 CA.
119.4	119.9	PPp	As above, slightly less pink.
119.9	120.1	LAMP	As above, strongly sheared. Hematitic slickensides on lower contact at 60 CA.
120.1	125.0	PPp	As above. Weakly fractured, very competent. Uniform pink Kf-flooding. Locally calcite-rich. Moderate magnetite, generally weak chalcopyrite with fine to blebby cp increasing to lower contact.
125.0	129.8	BX	Contact marked by 10 cm irregular, dark, fine-grained dyke at 30-60 CA. Breccia is very rubbly to 126.3 m, but is mottled pink. 125.2 - 126.4 m: Clay-sericite rich rubble likely a FAULT. Appears to host only minor fie cp. 126.4 - 129.8 m: Strongly mottled orange-pink with pink plagioclase porphyritic blocks 2-20 cm in size. Weak cp, occasional fine native copper both associated with blebby and stringer magnetite. 126.7 - 127.3 m: Rubble, not clay-sericite rich.
129.8	138.0	DYKE - ap	As before (104.1 - 108.8 m). Well fractured, especially upper half. Upper contact is hematitic shear at %0 CA. Calcite and chlorite on most fractures, shearing throughout. 134.4 - 134.9 m: Minor fault, upper slip at 57 CA, planar with hematite slickensides. Lower slip at 50 CA. Lower contact is 0.5 cm of soft, wet gouge at 60 CA.
138.0	140.4	BX	Mottled breccia, same as above dyke. Strong Kf, magnetite blebs and veinlets, possible patchy albite. Cp is blebby with fine fracture and veinlet control.
140.4	145.3	PPp	Moderate pink, fine to medium grained plagioclase porphyry. Stronger Kf over top 30 cm adjacent to breccia. Only minor Kf and magnetite veinlets, minor fine cp. Note 1-2 cm inclusions, fine-grained black volcanic and grey diorite? Moderately fractured.
145.3	152.0	BX	Strongly mottled orange-pink, black and pale grey, coarse breccia. Strongly potassic - Kf, mag, albite and increasing actinolite. Fine flecks of native copper and cp associated with mag blebs and veinlets. Cp increasing toward dyke contact. Same oxidation, mainly hematite, on fractures. Moderate fracturing.
152.0	152.8	DYKE - and	Medium to olive green, plagioclase porphyritic dyke. 8-10 cm chill margins on both contacts in dyke; dark grey and very fine-grained grading to medium grained porphyry. Wispy Kf stringers and 0.5 cm blebs in center. Andesite to dacite composition, hard and competent.
152.8	164.8	BX	As above dyke. Increasing oxidation related to shearing. Decreasing cp and native Cu, generally occur in separate zones. 159.6 - 164.8 m: Strongly sheared and fractured, core looks much more washed out. Minor faults at 162.8 - 163.4 m, 164.2, 164.6 m. Mineralization is very weak, tarnished cp veinlets and blebs at 164.0 m. Native copper rare.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
198.3	200.0	72875	0.402	0.210	0.47	5.83

Lithology

From	To	LITH	Description
164.8	165.5	FAULT	Mainly fine pink, sand and dry gouge. Pieces are pink to mottled breccia.
165.5	180.6	BX	As before, pink-white mottled coarse breccia. Strong Kf alteration with abundant albite matrix, patchy magnetite (actinolite no linger present). Late calcite veinlets are common. Patchy cp associated with magnetite, less with Kf and albite. More uniformly distributed, >1% cp, quite fine grained. Weakens. 170.8 - 171.4 m: Fine grained pink (PP) block, cp veinlets. 176.6 - 176.7 m: Small gougy fault. 177.0 - 177.1 m: 5 cm gougy fault at 65 CA from 177.0 - 180.6 m.
180.6	181.6	MZDR	Pale to medium grey, medium-grained, weakly porphyritic with chloritized mafic phenocrysts (augite) and white plagioclase. Minor Kf stringers moderately magnetitic. Upper contact at 50 CA, no chilled margins. Not mineralized. Virtually unfractured.
181.6	182.6	DYKE - ap	As previous AP dykes, especially 88.6 - 92.8 m. Very few fractures.
182.6	187.8	MZDR	As above AP dyke. Very consistent throughout, occasional calcite veinlets and hematite shears at 20, 40 and 80 CA. Weakly sheared lower contact marked by calcite, hematite at 80 CA.
187.8	200.0	BX	As before, except cp mineralization is rare. Occasional flecks of native copper, fracture coatings of malachite, azurite. 187.9 m: 3 cm fault gouge at 50 and 70 CA. Hematitic fractures, occasional slickensides throughout. 192.0 m: Malachite-goethite veinlet, up to 3 mm thick in center of 3 cm Kf vein, 50 CA. 192 .5 m: 10 cm zone of several 1 mm irregular flecks of native copper along narrow veinlets. 196.8 m: Minor cp. 197.3 m: Minor native copper flecks. 197.6 - 197.9 m: Coarse porphyritic, olive green dyke and round plagioclase (?) phenocrysts in a darker groundmass. Dyke unsheared at 40 CA. Core becoming more sericitic (+/- clay) toward bottom; approaching fault?

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Drillhole Report

MP-01-54

Zone	Springer	**Easting**	1881.5	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3407.2	**Logged By**	C. Wild
		Elevation	1162.2	**Comments**	

Depth	Az	Dip	Survey Type
78.0	270	-45	Acid Test
200.0	270	-47	Acid Test
0.0	270	-50	Head Set

Lithology

From	To	LITH	Description
0.0	3.1	Casing	No recovery.
3.1	5.7	PPg	Grey to slightly pinkish, medium-grained plag porphyry, cut by narrow stringers of Kf occasionally bx'd. Kf is weak. Weak to mod mag. Oxidized but not strongly limonitic due to paucity of sulphides.Limonite, hem and dendritic Mn oxides on most fractures. Interval is well-fractured but not gougy.
5.7	7.7	And	Medium to olive green, fine grained to weakly porphyritic dyke. Both contacts fractured. Very soft, clay-sericite (chl) altered throughout. Only minor limonite and Mn-oxides and moderate calcite veinlets on fractures. Unit is fractured but cohesive.
7.7	15.7	PPg	As above but with increasing Kf veinlets and minor resulting brecciation. Kf intesity is weak to mod, Limonite, hem, Mn-oxides on fractures, no sulphides. Shear fracture frequency increasing toward fault.
15.7	16.8	FLT	Fine PPg and Kf bx rubble.
16.8	17.2	And	As above, soft clay-sericite altered. Rubbly contacts.
17.2	20.0	PPg	As above, well-fractured - part of bigger fault zone.
20.0	24.1	FLT	Mainly fine rubble of pinkish PPg. Gougy sections, 20% recovery between 20.12-23.17, note in box that core washed away.
24.1	30.2	PPg	As before, well-fractured to ~25.9. Coarsens up, becomes browner and more competent with fewer Kf stringers. 26.2 - 27.2 Weakly gougy fracture zone.
30.2	30.7	And	Olive-green, fine-grained, weakly por with plag phenos. Same as above but only weakly altered. Contacts are irregular, sharp with 1-2 cm chill margin @ 60-70 to c.a.
30.7	31.5	PPg	Coarse brown porphyry, as above.
31.5	31.9	And	Second part of dyke. Upper contact very sharp with <1cm chill margin, @ 70 to c.a. Fractured lower contact.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.1	5.7	72876	0.082	0.052	0.05	2.92
178.0	180.0	72975	0.293	0.024	0.21	7.29
180.0	182.0	72976	0.137	0.008	0.12	6.90
182.0	184.0	72977	0.116	0.006	0.12	6.19
184.0	186.0	72978	0.350	0.016	0.29	7.25
186.0	188.0	72979	0.119	0.006	0.13	6.79
188.0	190.0	72981	0.210	0.017	0.18	6.71
190.0	192.0	72982	0.203	0.017	0.18	7.05
192.0	194.0	72983	0.276	0.018	0.20	7.30
194.0	196.0	72984	0.202	0.013	0.17	6.42
196.0	198.0	72985	0.256	0.021	0.19	6.97
198.0	200.0	72986	0.173	0.011	0.15	6.60
5.7	7.7	72877	0.031	0.011	0.01	4.23
7.7	9.7	72878	0.029	0.009	0.03	2.86
9.7	11.7	72879	0.059	0.024	0.03	2.64
11.7	13.7	72880	0.068	0.023	0.03	2.68
13.7	15.7	72881	0.075	0.028	0.04	2.81
15.7	16.8	72882	0.113	0.050	0.06	3.07
16.8	17.2	72883	0.068	0.026	0.04	4.01
17.2	20.0	72884	0.094	0.055	0.04	2.80
20.0	24.1	72885	0.152	0.062	0.06	3.46
24.1	26.1	72886	0.099	0.044	0.03	4.18
26.1	28.1	72887	0.066	0.028	0.03	3.54
28.1	30.2	72888	0.045	0.022	0.03	3.31
30.2	31.9	72889	0.068	0.034	0.02	5.01
31.9	33.7	72890	0.061	0.033	0.02	3.48
33.7	35.5	72891	0.072	0.038	0.04	3.35
35.5	38.0	72892	0.076	0.023	0.03	4.02
38.0	39.0	72893	0.270	0.213	0.10	4.20
39.0	39.4	72894	0.019	0.007	0.01	4.45

Lithology

From	To	LITH	Description
31.9	35.2	PPg	As above, slightly pinker groundmass. Moderately fractured.
35.2	35.5	Bx	Pink, weakly porphyritic bx with a relatively sharp, unsheared contact with PPg @ 70 to c.a. Subrounded to angular clasts of orange PP in pinker matrix. Kf altn is moderate. Weak limonite, Mn-oxides on fractures; well-fractured.
35.5	38.0	And	Soft, well-fractured, locally gougy olive-green dyke. Numerous narrow clay slips @ 20, 40 to c.a., often with associated clacite and occ narrow Kf bx clasts (20 to c.a.)
38.0	39.0	Bx	As above dyke, PP-type, well-fractured, more limonite, Mn-oxides on fractures. Note significant chrysocolla @ 38.7m.
39.0	39.4	And	As above, strongly sheared contacts, upper rubbly but lower @ 20 to c.a with underlying bx rubbly and sheared. Dyke is soft, clay-sericite altered, but competent.
39.4	53.6	Bx	Pink, generally plag por clasts and matrix. Moderate Kf-altn, mod mag, no act but increasing albite. Well-oxidized with limonite (goethite), Mn-oxides and malachite/chrysocolla veinlets and infillings common. 39.4 - 46.0 Very well-fractured, locally rubbly. 47.4 Chrys veinlet, 0.5 cm thick, @ 70 to c.a. 48.0 Begin to see white-green sericite on fractures.
53.6	54.7	FLT	Sheared, rubbly with numerous polished slickensides Abundant chrysocolla ~53.9m.
54.7	58.6	Bx	Same as above, Cu-oxides continue somewhat weaker. Good dendritic pyrolusite on several fractures. Generally well-fractured.
58.6	59.7	PPp	Pink, fine-grained to weakly por, locally brecciated with mod Kf-altn, weak to mod mag. Goethite, hem, occ Cu-oxides on fractures, prominent fracture set @ 10-30 to c.a.
59.7	60.1	And	Olive-green, fine-grained por dyke with sharp contacts and 1-2 cm chill margins @ 80 to c.a. Rimmed round plag(?) phenos mainly in centre of dyke. Two Kf stringers, 3-5mm thick @ ~20 to c.a.
60.1	72.2	PPp	As above, med-grained plag por. Mod Kf, variable with pinkish grey sections and pink flooded sections. Less fractured but limonite, hem (often slicks), occ Cu-oxides on fractures. Less sericite.
72.2	72.3	Bx	Pink, pale off-white, strongly mottled coarse bx. Kf altn is strong with Kf, albite, patchy coarse mag. Very sharp, unsheared contact with PPp. Oxidized fractures with lim, hem, Cu & Mn oxides continues.
72.3	72.9	AP	Dark green, soft chloritic groundmass with 20% very dark chloritized augite phenos. Weakly sheared upper contact @ 45 to c.a. Lower contact marked by calcite veinlets, healed shear @ 45 to c.a. Both have 10-14 cm chill margins marked by finer grain size and fewer phenos.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
39.4	41.0	72895	0.174	0.123	0.13	3.78
41.0	43.0	72896	0.156	0.105	0.06	5.75
43.0	45.0	72897	0.239	0.153	0.08	5.08
45.0	47.0	72898	0.386	0.318	0.19	6.49
47.0	49.0	72899	0.298	0.264	0.15	5.14
49.0	51.0	72901	0.275	0.181	0.07	3.60
51.0	53.0	72902	0.354	0.270	0.12	3.73
53.0	55.0	72903	0.270	0.189	0.09	4.88
55.0	57.0	72904	0.129	0.084	0.04	4.38
57.0	58.6	72905	0.438	0.310	0.18	4.55
58.6	59.7	72906	0.148	0.129	0.08	3.22
59.7	60.1	72907	0.016	0.012	0.01	4.99
60.1	62.0	72908	0.078	0.040	0.01	3.29
62.0	64.0	72909	0.111	0.048	0.03	3.22
64.0	66.0	72910	0.060	0.032	0.01	3.37
66.0	68.0	72911	0.069	0.051	0.01	4.63
68.0	70.0	72912	0.122	0.097	0.05	4.03
70.0	72.3	72913	0.110	0.045	0.06	3.22
72.3	72.9	72914	0.015	0.006	0.01	3.85
72.9	74.9	72915	0.501	0.443	0.36	6.92
74.9	76.9	72916	0.301	0.230	0.18	6.91
76.9	77.7	72917	0.008	0.005	0.00	7.09
77.7	79.7	72918	0.373	0.192	0.36	7.80
79.7	81.7	72919	0.314	0.110	0.37	5.75
81.7	83.7	72921	0.369	0.179	0.47	6.63
83.7	85.3	72922	0.300	0.198	0.51	6.96
85.3	87.5	72923	0.011	0.004	0.01	5.96
87.5	89.7	72924	0.014	0.009	0.01	4.58
89.7	91.6	72925	0.261	0.215	0.27	3.41
91.6	93.5	72926	0.196	0.162	0.04	2.88
93.5	95.4	72927	0.129	0.101	0.02	4.01
95.4	97.4	72928	0.247	0.203	0.09	2.84
97.4	99.4	72929	0.060	0.043	0.01	4.27
99.4	101.7	72930	0.313	0.248	0.13	1.87
101.7	104.0	72931	0.196	0.154	0.04	1.77
104.0	106.5	72932	0.043	0.028	0.01	4.05
106.5	107.2	72933	0.440	0.091	0.19	18.20
107.2	109.2	72934	0.008	0.003	0.00	6.97
109.2	111.2	72935	0.320	0.034	0.15	18.30
111.2	113.0	72936	0.043	0.030	0.02	2.59
113.0	115.0	72937	0.056	0.039	0.01	2.05
115.0	117.0	72938	0.040	0.022	0.02	2.70

Lithology

From	To	LITH	Description
72.9	76.9	Bx	Pink, pale off-white, strongly mottled coarse bx. Clasts are clearly visible with texturally variable monzonitic to plag porphyritic clasts dominant; lesser dark fine-grained volcanic to dioritic clasts. Kf altn is strong with Kf, albite, patchy coarse mag. Oxidized fractures with lim, hem, Cu & Mn oxides continues. Weak fine-grained cp. Unit is competent, weakly fractured. 74.9 - 75.0 Flt; sandy gouge, hem slicks @ 40 & 65 to c.a.
76.9	77.7	AP	As above. Upper contact marked by 2 cm of pale grey clay gouge @ 75-80 to c.a. Similar shear at lower contact, in dyke, @ 80 to c.a. Note absence of chill margins.
77.7	85.0	Bx	As above dyke. Local concentrations of fine cp associated with mag, best seen on fractures. Trace flecks of native copper. Cu-oxides continue but weaker.
85.0	85.3	PPp	Pink fine-grained, weakly porphritic. Sharp, somewhat irregular intrusive contact with Bx @ ~30 to c.a. Kf continues strong but with less mag and albite. Only trace cp, minor limonite, Mn-oxide on fractures. Relatively unfractured.
85.3	89.7	AP	As above, somewhat more sheared with resultant calcite veining, continuing soft and chloritic. Upper contact @ 55 to c.a., oxidized fracture. Unfractured lower contact @ 50 to c.a. 86.9 - 88.0 Zone of shearing and calcite veining. 87.2 - 87.5 Gougy, strongly clay-altered. 89.5 1-2cm clay seam @ 75 to c.a.
89.7	97.4	Bx	Pink, generally fine-grained PP-type breccia, fewer obvious clasts of different lithologies after 90.6m. Note large, round grey clasts near dyke contact. Strong Kf flooding but continuing weaker in mag and albite. Occasional cu-oxide stringers, rare tiny flecks of native copper and fine-grained cp - weakly mineralized. Weak to moderate fracturing. 92.9 1-2cm clay gouge seam @ 50-55 to c.a. 96.4 Clay-hem slip plane, slicks @ 50 to c.a.
97.4	99.4	Aug Por Monz	Pale green with slight pinkish hue. Prominent chloritized augite phenocrysts (5-10%), up to 2mm long. Also plag phenos, as in PP, white to 1mm size in fine-grained groundmass. Upper contact is sharp, unsheared @ 75-80 to c.a. Weak Kf flooding, mod mag, cut by late calcite stringers @ 45 to c.a.
99.4	104.0	Bx	As above monz, PP-type, strongly potassic. Upper contact is marked by 5cm FLT gouge @ 50 to c.a. Lower contact is also faulted, 2-3cm of limonitic pink bx gouge @ 55 to c.a. Hematite slips (slicks) common throughout @ 50 & 80 to c.a., core is moderately sheared and fractured. Very weak mineralization. 101.7-101.8 FLT; fine sandy gouge.
104.0	106.5	Aug Por Monz	As before, competent and weakly fractured. Lower contact with PPp is quite sharp @ 85 to c.a., with approx 2cm chill margin developed in the PPp.
106.5	107.2	PPp	Pink to purplish, fine to med-grained por with 1mm plag phenos, occ Kf and chl-epi altered mafic phenos. Mod Kf, weakly to mod mag. Only trace sulphides - very fine-grained. Fracturing increases to moderate close to dyke contact.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
117.0	119.0	72939	0.051	0.030	0.02	2.32
119.0	121.0	72941	0.038	0.017	0.03	2.50
121.0	123.1	72942	0.046	0.025	0.02	2.25
123.1	124.7	72943	0.146	0.099	0.14	2.78
124.7	126.5	72944	0.254	0.195	0.38	3.76
126.5	127.8	72945	0.487	0.399	0.58	5.08
127.8	129.8	72946	0.382	0.328	0.36	6.16
129.8	131.3	72947	0.327	0.208	0.18	5.24
131.3	132.8	72948	0.278	0.167	0.26	5.32
132.8	133.6	72949	0.290	0.054	0.15	6.30
133.6	136.0	72950	0.377	0.233	0.38	5.54
136.0	138.0	72951	0.340	0.291	0.52	5.30
138.0	140.0	72952	0.381	0.131	1.05	6.10
140.0	142.0	72953	0.153	0.105	0.18	6.30
142.0	143.8	72954	0.493	0.139	0.62	5.26
143.8	144.2	72955	0.030	0.013	0.02	6.28
144.2	146.0	72956	0.284	0.137	0.38	6.62
146.0	148.0	72957	0.315	0.211	0.42	5.30
148.0	150.0	72958	0.315	0.211	0.42	5.30
150.0	152.0	72959	0.337	0.264	0.46	5.85
152.0	154.0	72961	0.364	0.099	0.54	4.16
154.0	156.0	72962	0.659	0.286	1.04	5.66
156.0	158.0	72963	0.578	0.433	1.61	5.06
158.0	160.0	72964	0.425	0.371	0.89	4.10
160.0	162.0	72965	0.442	0.196	0.73	4.04
162.0	163.4	72966	0.102	0.045	0.13	4.17
163.4	165.0	72967	0.458	0.209	0.96	4.10
165.0	167.0	72968	0.588	0.170	1.00	4.34
167.0	169.0	72969	0.436	0.268	0.66	4.88
169.0	171.2	72970	0.645	0.493	0.56	5.24
171.2	171.8	72971	0.061	0.023	0.03	5.37
171.8	174.0	72972	0.419	0.020	0.61	6.05
174.0	176.0	72973	0.301	0.020	0.32	5.69
176.0	178.0	72974	0.224	0.019	0.22	7.38

Lithology

From	To	LITH	Description
107.2	111.2	AP	As above (85.3-89.7m). Upper contact marked by 1-2 cm brecciated calcite veinlets @ 80 to c.a. Sharp, unsheared lower contact @ 65 to c.a. Well-fractured with numerous hematitc slips throughout.
111.2	111.6	Aug Por Monz	As before, very sharp lower contact @ 55-65 to c.a. with weak 1cm chill margin developed in underlying PPp.
111.6	122.8	PPp	Pink, generally fine-grained PP verging on breccia, few obvious clasts. Moderate Kf flooding with local zones of stronger flooding but continuing weaker in mag and albite. Occasional Cu-oxide stringers, rare tiny flecks of native copper and fine-grained cp - weakly mineralized. Weak fracturing. 119.9 - 120.2 FLT; sandy gouge, hematitc slip planes @ 65 to c.a.
122.8	123.1	FLT	Sandy and rubbly gouge, mainly PPp. Two hematitc slip planes at top and bottom @ 40 & 45 to c.a., respectively.
123.1	126.5	Bx	Mottled pink-orange- grey black coarse breccia. Clasts are clearly visible with texturally variable monzonitic to plag porphyritic clasts dominant; lesser dark fine-grained volcanic to dioritic clasts. Kf altn is strong with Kf, albite, but very weak mag. Oxidized fractures with lim and slickensided hem 65-75 to c.a. Unit is part of a larger fault zone, core is soft and sericitic, well-fractured. 124.4 - 124.7 FLT; rubble. 125.4 - 125.8 FLT; rubble. 126.1 FLT; 5cm of gouge.
126.5	127.8	FLT	Mainly bx rubble with gougy zones. Top slip plane @ 20 to c.a. Begin to see Cu-oxides @ 127.0m.
127.8	132.8	Bx	As above, shearing diminishing but still strongly oxidized with limonite, hematite, and more common Cu-oxides, including malachite, azurite, and chrysocolla. Strongly potassic but only weakly magnetic, not strongly albitic.
132.8	133.6	Monz	Pinkish grey, fine to medium grained, weakly porphyritic. Sharp upper contact @ 70 to c.a. Bx is vuggy and albitic at contact. Lower contact is more diffuse looking but apparent @ 60 to c.a. No fracturing or shearing in dyke or contacts.
133.6	134.4	Bx	As above dyke. Cp 2mm long near dyke.
134.4	134.7	Dacite	Dark purplish-brown, glassy dyke. Upper contact @ 70 to c.a., cut by calcite veinlet @ 60 to c.a., poss displacing contact 1 or 2mm. !-2 cm chill margin - dark and finer within dyke. Lower contact @ 80 to c.a.
134.7	143.8	Bx	As before, continuing Cu-oxide zone.
143.8	144.2	Dacite	As above (134.4-134.7m). Sharp, chilled upper contact, very irregular, including a 5 cm bleb, 5-10cm above the upper contact and not connected. Lower contact @ 55 to c.a. - oxidized fracture. Dyke weakly fractured in centre, slip plane @ 80 to c.a.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
144.2	162.0	Bx	As before. Strong pink to mottled, coarser grained monz and volc blocks clearly defined. Kf strong esp in matrix, increasing magnetite becoming strong. Locally sericitic with chloritized mafics. Remains oxidized with limonite, hematite common on fractures. Cu-oxides can be found throughout. Cp is fine-grained and rare. Flecks of native coppercan also be found associated with mag blebs. Moderately and consistently fractured. 146.0 - 146.6 Weak shear zone, bottom slip @ 55 to c.a. with slicks @ 90 to dip. 148.0 - 148.3 Calcite veinlets assoc with weak shear zone. 149.0 Malachite & calcite assoc with narrow shear @ 60 to c.a. 155.6 Flt; 2cm wide clay seam @ 65 to c.a. 155.6 - 156.9 Section of dark pink, fine-grained breccia. 157.4 Native copper flecks, 1mm, in dark mag-chl vnlt A 10-30 to c.a. 159.6 - 160.2 Weak shear zone; fractures @ 10-30 to c.a. Hem slick common with ser, min Cu-oxides.
162.0	163.4	Aug Por Monz	Medium green, slightly pinkish with dark chloritized augite phenos in a fine-grained groundmass with faint pale grey plag phenos. Dyke is moderately sericitized with calcite, chlorite, clays (sausseritized plag). Upper contact is sharp, unsheared, not chilled and @ 60 to c.a. Lower contact on hem shear @ 65 to c.a. Occ fleck of native copper visible. Dyke is only moderately fractured.
163.4	171.2	Bx	As above dyke, remains strongly pink and lacking albite and moderately to strongly magnetic Cu-oxides remain relatively common on fractures, assoc with limonite, hematite and calcite. 164.9 - 165.0 Fault breccia, @ 55 to c.a.
171.2	171.8	Dacite/FLT	As above (143.8-144.2m). Sharp, chilled upper contact, very irregular. Lower contact @ 50 to c.a., ser-clay-calcite fracture. 171.3 - 171.5 FLT; mainly gouge @ 55 to c.a. 171.6 - 171.7 Block of albitic breccia (see below), upper contact @ 40 to c.a., lower @ 55 to c.a.
171.8	200.0	Bx	Distinct change in character of breccia across fault. This interval is consistently mottled pink, pale grey and black with very coarse blocks of pink plag por in a distictive matrix of locally vuggy albite-sericite-calcite-Kf. This alteration is a distinct phase of potassic altn. Mag is generally stronger in matrix than in clasts. Mineralization consists of very fine-grained cp and occ flecks of native copper, generally assoc with mag in the matrix. Weakly to moderately fractured, most with sericite and lesser hematite (often @ 20-30 to c.a.) - not oxidized. 174.7 - 176.0 Well-fractured, rubble @ 175.6. 179.0 - 179.1 Vuggy albite, actinolite, mag, cp vein @ 40-50 to c.a. 190.2 - 191.0 Med grey monz block with patches of native copper flecks (poss untarnished bornite) along thin veinlets. 191.1 - 192.9 Largely unfractured section of vuggy albitic breccia with patchy magnetite and act, minor fine to blebby cp. Difficult to find - difficult to estimate grade.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-55

Zone	Springer	**Easting**	1926.5	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3462.7	**Logged By**	C. Wild
		Elevation	1163.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	*270*	*-50*	*Head Set*
81.8	270	-48	Acid Test
200.0	270	-47	Acid Test

Lithology

From	To	LITH	Description
0.0	3.7	Casing	No recovery.
3.7	9.2	Dr	Grey to brown with pale greenish hue. Equigranular to weakly porphyritic with "salt & pepper" texture. Alteration is largely sericitic - feldspars sausseritized, chloritized mafics. No mineralization evident. Interval is moderately fractured with some rubbly zones.
9.2	10.5	Dacite	Medium to dark purplish-brown, weakly porphyritic with fine plag phenos to 1mm. Upper contact @ 25-30 to c.a., strongly brecciated over top 20cm. Lower contact @ 70 to c.a., sheared with calcite stringers. Relatively hard and unaltered, not mineralized, moderately fractured.
10.5	13.7	FLT/Dr	Same as before but mainly rubble. Some clay-hem-ser slips but quite sandy. 10.5-11.2 Red hem stain, poss Kf.
13.7	23.8	Dr	As above. Brownish-grey diorite with pulses and veinlets of Kf. Consistent medium-grained to weakly porphyritic. Weak Kf altn, moderately sericitic. Occasional Cu-oxides in veinlets and fractures. Mod to strongly fractured. 13.9-14.0 10 cm dacite dyke, as above. Contacts are sharp, unsheared @ 65 to c.a. 16.0 1 cm vein of malachite-azurite (chrysocolla?) with calcite, limonite and poss chalcocite, @ 60 to c.a. 22.8 Minor Cu-oxides with goethite on fracture @ 45 to c.a. 23.5-23.8 Breccia, likely related to minor dyke along fault.
23.8	24.1	FLT	Sandy, minor clay gouge. Fault appears to be @ 45-70 to c.a.
24.1	29.4	Dr	As before. Moderately fractured to 28.9. 26.2 Ser-hem slickensides @ 10-30 to c.a. 28.9-29.4 Shear zone with hem slicks, minimal gouge - does not look like a major fault but marks an important contact, poss @ 30 to c.a.
29.4	36.8	Bx	Bright pink, fine-grained monz clasts in hydrothermal matrix, good angular bx texture. Kf altn is strong, with moderate blebby to vein controlled magnetite, chl + ser possibly after actinolite. Strong Cu-oxides throughout, in matrix not blocks, associated with limonite (goethite), hematite and calcite. Moderately fractured. 35.4-36.7 Black chlorite matrix, locally intense fg bx.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
161.6	164.0	73096	0.037	0.010	0.02	2.55
164.0	166.0	73097	0.040	0.010	0.02	3.20
166.0	168.0	73098	0.028	0.010	0.02	2.50
168.0	170.0	73099	0.049	0.010	0.07	2.70
170.0	172.0	73101	0.038	0.010	0.05	3.10
172.0	174.0	73102	0.031	0.010	0.03	2.30
174.0	176.0	73103	0.042	0.010	0.04	2.50
176.0	178.0	73104	0.068	0.020	0.06	3.30
178.0	180.5	73105	0.078	0.020	0.09	2.85
180.5	181.9	73106	0.011	0.010	0.01	5.00
181.9	185.0	73107	0.134	0.070	0.53	6.10
185.0	188.0	73108	0.025	0.010	0.01	5.25
188.0	191.0	73109	0.032	0.010	0.01	5.25
191.0	*194.0*	*73110*	*0.027*	*0.010*	*0.01*	*5.30*
194.0	197.0	73111	0.029	0.010	0.01	5.60
197.0	200.0	73112	0.024	0.010	0.01	5.35
3.7	6.7	72987	0.085	0.030	0.06	6.37
6.7	9.2	72988	0.108	0.031	0.10	6.35
9.2	10.5	72989	0.051	0.018	0.02	3.32
10.5	13.7	72990	0.177	0.056	0.18	6.40
13.7	15.7	72991	0.130	0.069	0.26	5.99
15.7	17.7	72992	0.229	0.125	0.34	5.99
17.7	19.7	72993	0.112	0.050	0.20	4.95
19.7	21.7	72994	0.140	0.065	0.28	4.17
21.7	23.8	72995	0.284	0.136	0.28	6.35
23.8	25.7	72996	0.159	0.052	0.11	6.14
25.7	27.6	72997	0.106	0.068	0.11	6.05
27.6	29.4	72998	0.185	0.121	0.21	7.11
29.4	31.0	72999	0.588	0.541	1.21	6.77
31.0	32.5	73001	0.885	0.762	1.24	6.01

Lithology

From	To	LITH	Description
36.8	37.0	FLT	Strongly sericitic gouge, calcite veinlets
37.0	42.9	PPg	Brown-grey to pinkish, coarse plag por. Phenos to 2-3mm, seriate, 30% of unit. Weak Kf altn, very weak magnetism. Cu-oxides do not continue in PPg, very limited limonite on fractures. Moderately fractured with significant shearing. 37.8-38.4 Moderate sericitic gouge, rubbly - minor fault. 39.9-40.2 Mainly sand and rubble, sericitic - minor fault. 42.7-42.9 Increasing ser-chl-hem slips @ 25 to c.a.
42.9	64.9	Bx	Strong pink, fine-grained PP-type bx with 1-10cm clasts or inclusions in intrusion bx; uniform throughout. Sheared at upper contact but appears to be intrusive contact. Strong Kf, mod mag as patches and veinlets. Cu-oxides relatively common to 54m, oxidation weakens and minor fine to blebby cp shows up. Mod fractured above 54m, decreases to 64.9m. 47.8 Conc of Cu-oxides, mainly malachite in veinlets @ 35 to c.a. 48.4 Clay shear, 2-3cm, @ 80 to c.a. 50.0-50.4 Mainly rubble, min gouge, hem slips. 57.8-53.5 Mainly coarse rubble with ser slips; min Cu-oxides. 56.3 Hem-py-cp-mt veinlet, 1-2cm thick @ 85 to c.a. Much assoc mal up to 10cm adjacent to veinlet. 57.1 Hem-mag-cp-py vnlt, 1cm, @ 35 to c.a. 61.9 2x4cm mag patch with fine cp. 62.2-63.5 Fracture zone, sericitic.
64.9	66.2	Monz	Gradational contact @ 65 to c.a. Note inclusion of monz in bx @ 64.8m. Pinkish-green medium-grained to weakly por with 5% chloritized mafic phenos (aug?) and 20% plag phenos. Weak Kf altn, minor Kf-flooding, mod mag. Min diss cp assoc with mag in fine blebs. Mod fractured around dykes.
66.2	66.6	Dacite	Dark to medium purplish-brown, very fine-grained dyke. Upper contact very sharp with deep purple chill margin @ 75 to c.a. Steep, irregular lower contact with 0-2cm chill margin.
66.6	69.7	Aug Por Monz	As above. 66.9-67.1 Dacite dyke, as above.
69.7	70.8	Bx	Pink PP-type bx as before. Pink PP clasts in green PP matrix intrusion bx over top 30cm, becomes mainly pink PP. Min Cu-oxides, mod fractured.
70.8	78.9	PPg	Sharp intusive contact with brown, coarse plag por. Intrusion breccia near contacts. Phenos to 4mm, 25-30% of unit. Weak Kf altn, weak mag. No apparent minl. Generally weakly fractured. 75.0-75.4 Dark grey plag por dyke or block, irregular contacts, no chill margins. 76.1-76.2 Rubbly shear zone.
78.9	82.9	Bx	Mottled pink-orange-grey green coarse breccia. Clasts are clearly visible with texturally variable monzonitic to plag porphyritic clasts dominant; lesser dark fine-grained volcanic to dioritic clasts. Kf altn is strong with Kf, albite, strong mag. Oxidized fractures with lim and slickensided hem 65-75 to c.a. Minl is weak with minor diss cp assoc with mag. Unit is generally weakly to mod fractured.
82.9	83.6	FLT	Strong greenish ser-clay gouge, minor rubble.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
32.5	34.0	73002	0.746	0.594	0.84	6.37
34.0	35.5	73003	0.473	0.132	0.75	6.47
35.5	36.8	73004	0.269	0.195	0.40	4.27
36.8	39.0	73005	0.070	0.039	0.07	2.42
39.0	41.0	73006	0.035	0.017	0.03	2.37
41.0	42.9	73007	0.046	0.028	0.13	2.62
42.9	45.0	73008	0.097	0.069	0.36	2.90
45.0	47.0	73009	0.135	0.033	0.77	3.01
47.0	49.0	73010	0.153	0.118	0.30	2.82
49.0	51.0	73011	0.170	0.119	0.30	2.92
51.0	53.0	73012	0.180	0.143	0.26	2.79
53.0	55.0	73013	0.196	0.135	0.49	2.93
55.0	57.0	73014	0.490	0.387	0.80	3.80
57.0	59.0	73015	0.213	0.076	0.60	2.95
59.0	61.0	73016	0.205	0.162	0.41	2.89
61.0	63.0	73017	0.189	0.161	0.46	4.23
63.0	64.9	73018	0.154	0.090	0.32	3.27
64.9	66.2	73020	0.110	0.061	0.20	4.28
66.2	66.6	73021	0.015	0.011	0.02	3.34
66.6	68.1	73022	0.229	0.200	0.48	5.31
68.1	69.7	73023	0.242	0.216	0.34	5.34
69.7	70.8	73024	0.162	0.137	0.43	3.68
70.8	72.8	73025	0.076	0.061	0.12	2.50
72.8	74.8	73051	0.075	0.052	0.10	2.57
74.8	76.8	73052	0.085	0.076	0.06	2.79
76.8	78.9	73053	0.061	0.038	0.03	2.53
78.9	81.0	73054	0.107	0.062	0.11	6.68
81.0	83.0	73055	0.230	0.158	0.13	6.90
83.0	85.0	73056	0.224	0.074	0.28	9.21
85.0	87.0	73057	0.133	0.046	0.16	7.79
87.0	89.0	73058	0.123	0.021	0.07	8.87
89.0	91.0	73059	0.098	0.019	0.06	6.76
91.0	93.0	73061	0.135	0.019	0.13	7.09
93.0	95.0	73062	0.102	0.024	0.06	6.31
95.0	97.0	73063	0.142	0.025	0.11	5.00
97.0	99.0	73064	0.195	0.039	0.26	5.44
99.0	100.7	73065	0.233	0.042	0.57	5.05
100.7	102.9	73066	0.191	0.063	0.32	6.02
102.9	105.4	73067	0.365	0.027	1.34	4.40
105.4	107.7	73068	0.095	0.017	0.06	2.88
107.7	109.7	73069	0.092	0.015	0.07	2.47
109.7	111.8	73070	0.083	0.014	0.06	2.75

Lithology

From	To	LITH	Description
83.6	111.8	Bx	As above fault. 97.0-100.7 Brick red, blocky with mainly fine-grained PP. Strong mag, Kf; min diss cp. 100.7-102.9 Up to 25% grey PP clasts, 1-5cm. 102.9-105.4 60% green-grey PP (actually nearly equigr). 105.4-107.7 Grades back to 25% grey-green clasts. 107.7-111.8 Brick red fine-grained to por bx. No green-grey clasts. Bx clasts fine down interval. Cp remains weak.
111.8	114.8	Lamp	Dark green-grey, soft bi-chl rich lamprophyre. Not significantly altered, sheared or mineralized. Upper contact @ 75 to c.a with thin hematitc fracture. Lower contact @ 75-80 to c.a., calcite veinlet with ser selvages.
114.8	120.4	Bx	Pink PP-type intrusion breccia with occ grey PP clasts. Fine grained with plag phenos to 1mm. Kf, mag is moderate, with fine cp assoc with diss mag. Min act vnlts. Mod fractured.
120.4	121.3	Lamp	Dark, f-gr, as above. Well-fractured at both contacts. Upper contact @ 40 to c.a. (est). 120.8 1-3cm thick sliver of grey PP included in dyke, oriented @ 40 to c.a.
121.3	133.3	Bx	Pink and grey, PP-type, hydrothermal breccia. Blocks visible, fine pink monz with grey sections. Kf altn is mod, mag is mod and variable, weak act vnlts altered to chl & ser. Weak finely diss cp(with mag). Mod fractured, occ hem slips.
133.3	136.5	AP	Composite AP and fine-grained lamp dyke. AP is medium green, fine-grained with 10% chloritized aug phenos. Interval is strongly sheared and locally gougy. Both contacts are fractured. 133.3-133.7 Competent AP. 133.7-134.1 FLT; green gouge. 135.6-135.9 FLT; green gouge. 135.9-136.1 Lamp Dyke. 136.1-136.5 FLT; mixture of AP and Lamp dyke rubble and gouge.
136.5	148.4	Bx	As above dyke/fault. Kf altn intensity is decreasing to vein and fracture selvages, mod variable mag. Weak cp. Continues strongly to mod fractured but sericite is weak. 144.7 Minor fault, 1-2cm sandy gouge.
148.4	153.6	Monz	Distinctive variation of plag porphyry. Pale orange-green medium-grained monz, weakly por with sausseritized plag phenos, and variable finer mafic phenos. Some Kf flooded in groundmass and along some fractures. Weak to mod mag. Contacts are sharp, upper @ 30 to c.a., lower @ 50 to c.a. Very weak minl. Hard weakly fractured core.
153.6	157.9	PPp	Pink plag por, as in the above bx; only a few dark and grey inclusions. Uniform, with only mod Kf and weak mag. Only traces of cp, min native copper on some fractures. Weak to mod fracturing.
157.9	161.6	Monz	As above.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
111.8	114.8	73071	-2.000	-2.000	-2.00	-2.00
114.8	116.5	73072	0.080	0.014	0.05	3.01
116.5	118.5	73073	0.113	0.021	0.06	2.75
118.5	120.4	73074	0.124	0.018	0.15	2.57
120.4	121.3	73075	0.013	0.001	0.01	4.45
121.3	123.3	73076	0.126	0.018	0.12	3.22
123.3	125.3	73077	0.078	0.012	0.13	2.90
125.3	127.3	73078	0.044	0.007	0.03	2.73
127.3	129.3	73079	0.072	0.010	0.09	2.63
129.3	131.3	73081	0.090	0.014	0.13	2.70
131.3	133.3	73082	0.073	0.009	0.09	2.82
133.3	136.5	73083	0.007	0.002	0.01	4.65
136.5	138.5	73084	0.059	0.027	0.04	3.02
138.5	140.5	73085	0.075	0.025	0.07	4.18
140.5	142.5	73086	0.113	0.030	0.07	4.25
142.5	144.5	73087	0.077	0.010	0.05	3.55
144.5	146.5	73088	0.076	0.010	0.05	2.90
146.5	148.4	73089	0.058	0.010	0.04	3.05
148.4	150.5	73090	0.047	0.010	0.05	3.85
150.5	152.5	73091	0.033	0.010	0.03	3.65
152.5	154.5	73092	0.038	0.010	0.04	3.45
154.5	156.5	73093	0.041	0.010	0.02	1.80
156.5	159.0	73094	0.033	0.010	0.02	2.35
159.0	161.6	73095	0.027	0.010	0.01	3.00

Lithology

From	To	LITH	Description
161.6	180.5	Bx	Mainly brich red PP-type intrusion breccia with inclusions of grey monz increasing in frequency downsection. Much the same as PPp and Bx noted above (136.5-148.4 & 153.6-157.9). Continues to be only moderately Kf-altered and sparsely mineralized. Mod fractured. 178.6-179.2 Low angle shear zone, slickensided hem-ser-chl @ 10-30 to c.a. Calcite stringers.
180.5	181.9		Dark grey, purplish, fine-grained, weakly porphyritic with <1mm plag phenos - monz comp. Moderately sheared, cut by calcite stringers. Cut by several pink Kf veinlets @ 30-50 to c.a., weak to mod mag. Sheared upper contact, hem-ser-cal-chl, @ 50 to c.a. Sharp, unsheared lower cxontact @ 65 to c.a.
181.9	184.7	Bx	Coarse blocky, mottled orange-greenish grey-dark grey polymictic breccia. Very distinctive, poss tectonic. Overall, weak Kf altn, weak to mod mag, no sig minl. Incr shearing toward fault.
184.7	185.0	FLT	*Several sand and clay gouge zones with hem-ser-chl in above breccia. Marks significant contact with underlying* monz, @ 50 to c.a.
185.0	200.0	Dr	Med grey, equigranular, "salt & pepper" texture. Uniform throughout with sharply better rock quality. Kf altn is weak with faint Kf in groundmass and thin veinlets which gives unit paler appearance than most diorite. Mod mag throughout, very weak minl. 198.2-199.9 Fault; mod to weak shear zone with sig sandy gouge in two 30cm zones.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Drillhole Report

MP-01-56

Zone	Springer	**Easting**	1616.2	**Drilled By**	F. Boisvenu Drilling
Length (m)	251.8	**Northing**	3170.1	**Logged By**	C. Wild
		Elevation	1109.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	0	-50	Head Set
65.8	0	-49.5	Acid Test
251.8	0	-51	Acid Test

Lithology

From	To	LITH	Description
0.0	10.4	Casing	No recovery.
10.4	52.3	Monz (PP)	Green & pink, medium-grained plag porphyry. White plag phenos to 3mm, up to 30% of unit. Weak Kf occurs as patches in groundmass with an indistinct stockwork of weak green ser-chl-cal flood (propylitic overprint?). Weak to mod mag. Minor (<<1%) fine-grained diss sulphides. Unit is competent with periodic minor shear zones and fracturing. 16.7-20.1 Minor fault, broken with minor gouge. 18.4-18.8 Fault, sandy gouge. 19.4-20.1 Fault, rubbly gouge, abundant epidote veinlets near lower contact. Structure appears to be @ low angle to c.a. 33.3-33.4 Minor fault; sandy, calcite-rich gouge @ 35 to c.a. 33.5-33.6 As above; upper slip @ 30 to c.a. 35.8-35.9 Minor fault, as above, more epidote in rubble. 39.1-39.5 Series of limonitic fractures with sig malachite @ 20 & 45 to c.a. 50.2 2 cm of sand & clay gouge @ 30 to c.a.
52.3	53.8	Gabbro	Dark green, medium to coarse grained porphyritic dyke. Phenos include chloritized augite/hbd, chl-ser after olivine, and sausseritized plag. 5% pink Kf patches in fine sericitic groundmass. Mod to str mag. Upper contact, sharp and weakly chilled (1cm) @ 30-40 to c.a.. Broken lower contact.
53.8	72.5	Monz (PP)	As above, very competent. 54.0-54.3 Pink zone of Kf-epi veining @ 45 to c.a. 57.5 Minor gougy fault, 3-5cm wide @ 55 to c.a. 63.4-63.6 Minor fault; sericitic rubble, minor pinkish albite, upper slip @ 30 to c.a. 68.7-68.9 Minor fault; ser-albite @ 20 to c.a. 71.1-71.4 Med grey, f-gr block cut by low angle calcite-epidote veinlets.
72.5	74.8	AP	Medium green, medium-grained augite (Chl) por, very similar to above dyke (52.3-53.8m), but lighter in colour. Occ slivers of vnlts of Kf monz @ 30 to c.a. Mod mag. Gougy shear at upper contact, sharp lower contact @ 25 to c.a., marked by 5mm Kf vnlt, cut by calcite vnlts. Looks somewhat different than "classic" AP.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
10.7	13.0	73113	0.063	0.030	0.09	5.25
13.0	16.0	73114	0.049	0.020	0.06	5.10
16.0	19.0	73115	0.038	0.010	0.04	5.00
19.0	22.0	73116	0.051	0.030	0.11	4.50
22.0	25.0	73117	0.041	0.030	0.04	5.65
25.0	28.0	73118	0.063	0.040	0.06	5.45
28.0	31.0	73119	0.017	0.010	0.02	5.40
31.0	34.0	73121	0.014	0.010	0.02	5.55
34.0	37.0	73122	0.024	0.010	0.02	5.20
37.0	40.0	73123	0.141	0.100	0.11	4.90
40.0	43.0	73124	0.077	0.020	0.05	4.55
43.0	46.0	73125	0.034	0.010	0.03	3.70
46.0	48.0	73226	0.017	0.010	0.01	4.15
48.0	50.0	73227	0.043	0.010	0.06	5.20
62.0	65.0	73233	0.042	0.020	0.02	4.15
65.0	68.0	73234	0.036	0.010	0.02	4.55
68.0	71.0	73235	0.033	0.010	0.06	5.45
71.0	72.5	73236	0.040	0.010	0.07	5.00
72.5	74.8	73237	0.017	0.010	0.00	6.20
74.8	77.4	73238	0.051	0.010	0.03	5.25
77.4	80.0	73239	0.024	0.010	0.03	4.20
80.0	82.5	73241	0.071	0.010	0.03	4.65
82.5	85.1	73242	0.090	0.010	0.04	4.25
85.1	86.8	73243	0.377	0.010	0.18	6.70
86.8	88.5	73244	0.167	0.010	0.14	4.75
88.5	90.3	73245	0.005	0.010	0.00	3.15
90.3	92.1	73246	0.008	0.010	0.00	4.00
92.1	93.5	73247	0.094	0.010	0.08	3.55
93.5	95.0	73248	0.480	0.010	0.18	4.30
95.0	96.5	73249	0.589	0.080	0.17	5.75

Lithology

From	To	LITH	Description
74.8	80.0	Monz (PP)	As above, plag phenos somewhat coarser. Increasing shearing evident as large fault approached. 77.7-78.6 Sericite-calcite vnlt @ 50 to c.a., below which porphyry is flooded by weakening epidote, calcite and Kf vnlts. 78.9 Minor fault; 2cm ser-cal gouge. 79.0-79.3 Very soft, crumbly, completely sheared and chloritized mafic/lamprophyre dyke, cut by calcite vnlts. Lower contact @ 10-20 to c.a. Low angle shear continues another 30cm. 79.6-79.7 Minor fault; sericitc gouge.
80.0	85.1	FLT	Large gougy fault zone with clay-sericite-calcite-hem zones and minor dyke at base. 80.0-81.3 Mainly gouge, upper slip @ 15 to c.a. 81.3-82.7 Fractured sericitic monz (PP). 82.7-83.3 Fractured, strong ser-cal breccia - see below. 83.3-84.7 Mainly ser-cal gouge. 84.8-85.1 Med green, fine-grained, gougy (ser-chl-cal) AP dyke. Lower contact @ 40 to c.a.
85.1	88.5	Bx	Orange-pink and greenish mottled breccia, mainly PP-type. Medium-grained with clasts most obvious near top. Moderate Kf altn, mod mag, increasing albite. Py and minor cp diss along most fractures. Pyrite on fracture @ 15 to c.a.(89.2m). Weakly fractured.
88.5	92.1	PPp	Pink plag por, strongly sausseritized, with strong, highly irregular chilled margin. Contact appears to be 10-30 to c.a. Significant pyrite on many fractures. Lower contact is also chilled and irregular. *89.9-90.0 Minor ser-cal shear zone, apprx 5cm wide (true) @ 35 to c.a.* 91.6-92.1 Darker, lower chill zone with very irregular contact with bx.
92.1	168.0	Bx	As above. Pyrite diminishes downsection with a corresponding increase in fine-grained, diss, fracture-controlled cp assoc with mag and locally vuggy albite. 96.3-96.5 Oxidized fracture zone with 5-10mm calcite vnlts, limonite and minor malachite on some fractures @ 50 to c.a. 99.3 Cp, minor py assoc with vuggy act-albite-mag vnlt. 111.3 Coarse silvery py in albitic vug between blocks, assoc with blebby mag and finer cp. 121.2 As above, fairly common structure. Here, py looks like it crosscuts coarser cp in albitic vugs. Good grade. 125.0-126.1 PPp dyke or block; f-gr diss cp, no vuggy albite. 133.1 F-gr, diss cp & py assoc with act vnlt. 143.0-156.6 Increased oxide, including minor malachite, some limonite on fractures. Also, breccia looks spongy with calcite vnlts, and possible albite, zeolites. Low grade section. 156.8 Begin to pick up cp in core. 162.2-167.5 Darker grey, cp-rich section; corresponding increase in mag. 167.5-168.0 Pink, bleached-looking; malachite common on fractures and in bx matrix.
168.0	169.3	Monz	Med grey, fine to med-grained, weakly plag por. Not Kf altered, mod mag, sericitic. Contacts are not sheared, @ 50 to c.a., well-developed 2-3cm chill margins. Low angle sericitic shears with calcite vnlts common.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
96.5	98.0	73250	0.329	0.030	0.10	4.60
98.0	99.5	73251	0.817	0.020	0.21	3.20
99.5	101.0	73252	0.413	0.010	0.11	5.10
101.0	102.5	73253	0.183	0.010	0.05	5.25
102.5	104.0	73254	0.110	0.010	0.04	4.05
104.0	105.5	73255	0.140	0.010	0.06	5.45
105.5	107.0	73256	0.178	0.010	0.09	4.35
107.0	108.5	73257	0.282	0.010	0.11	4.05
108.5	110.0	73258	0.463	0.010	0.16	5.10
110.0	111.5	73259	0.439	0.010	0.12	5.55
111.5	113.0	73261	0.695	0.010	0.25	5.15
113.0	114.5	73262	0.344	0.010	0.09	5.50
114.5	116.0	73263	0.485	0.010	0.18	6.50
116.0	117.5	73264	0.240	0.010	0.08	4.20
117.5	119.0	73265	0.482	0.010	0.15	4.05
119.0	120.5	73266	0.762	0.010	0.25	4.15
120.5	122.0	73267	0.728	0.010	0.26	4.55
122.0	123.5	73268	0.660	0.010	0.20	3.25
123.5	125.0	73269	0.593	0.030	0.18	4.70
125.0	126.5	73270	0.242	0.010	0.08	3.15
126.5	128.0	73271	0.779	0.010	0.36	3.15
128.0	129.5	73272	0.723	0.010	0.50	4.85
129.5	131.0	73273	0.491	0.010	0.20	4.45
131.0	132.5	73274	0.290	0.010	0.11	4.70
132.5	134.0	73275	0.268	0.010	0.11	4.70
134.0	135.5	73276	0.360	0.010	0.15	4.85
135.5	137.0	73277	0.264	0.020	0.14	4.10
137.0	138.5	73278	0.190	0.010	0.14	5.40
138.5	140.0	73279	0.185	0.020	0.11	5.00
140.0	141.5	73281	0.169	0.010	0.11	4.75
141.5	143.0	73282	0.104	0.010	0.07	4.70
143.0	144.5	73283	0.386	0.120	0.22	3.00
144.5	146.0	73284	0.370	0.180	0.21	3.20
146.0	147.5	73285	0.578	0.110	0.27	5.20
147.5	149.0	73286	0.095	0.030	0.05	4.15
149.0	150.5	73287	0.474	0.290	0.36	3.90
150.5	152.0	73288	0.208	0.060	0.16	3.75
152.0	153.5	73289	0.125	0.030	0.07	2.25
153.5	155.0	73290	0.209	0.060	0.15	3.35
155.0	156.5	73291	0.221	0.050	0.15	5.15
156.5	158.0	73292	0.179	0.030	0.12	4.05
158.0	159.5	73293	0.274	0.030	0.16	4.90

Lithology

From	To	LITH	Description
169.3	251.8	Bx	As above dyke.
			169.3-173.5 Spongy, oxidized pink and white bx. Cu-oxides common, esp @ 172.5m. Coarse and fine flecks of native copper @ 173.1m and 173.4m.
			173.5-183.9 Dark mottled bx, mod mag with <1% diss and vnlt cp.
			183.9-184.9 Pink-white-grey mottled bx, blocks clearly visible with albitic matrix, mod cp (<1%).
			184.9-187.7 Dark mottled bx, as above.
			187.7-189.8 Pink-white-grey albitic bx.
			189.8-191.9 Dark mottled bx with strong albitic matrix.
			191.9-194.0 Pink-white-grey albitic bx.
			194.0-200.1 Mixed dark & pink-grey bx, min ab; mod cp.
			200.1-208.8 Med grey, weak PP-type bx, weak-looking Kf altn; diss cp-py, locally strong on fractures, increasing.
			208.8-212.5 Pink-orange-grey bx. Well-minl, cp vnlt @ 212.0m.
			212.5-214.1 Grey PP-type bx, as above.
			214.1-235.0 Pink-grey bx with several good cp vnlts, e.g @ 214.6, 214.7, 217.4. Incr chl-mag fractures at low angle to c.a. develops ~221.6m. F-gr diss cp assoc with mag, act.
			235.0-239.7 Strongly mottled albitic bx with incr coarse and fine cp.
			239.7-244.8 Pink-grey bx, as before; finer diss cp.
			244.8-251.8 Gradual decrease in bx textures, more PPp with corresponding decr in cp.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
159.5	161.0	73294	0.190	0.010	0.11	6.30
161.0	162.5	73295	0.836	0.060	0.49	4.50
162.5	164.0	73296	0.621	0.030	0.50	8.65
164.0	165.5	73297	0.421	0.030	0.45	8.35
165.5	167.0	73298	0.957	0.040	0.93	8.65
167.0	168.5	73299	0.966	0.210	0.80	5.35
168.5	170.0	73476	0.209	0.080	0.26	5.20
170.0	171.5	73477	0.628	0.080	0.27	5.15
171.5	173.0	73478	0.481	0.320	0.21	2.75
173.0	174.5	73479	0.426	0.130	0.15	4.25
174.5	176.0	73480	0.259	0.010	0.11	5.65
176.0	177.5	73481	0.389	0.030	0.18	5.70
177.5	179.0	73482	0.243	0.100	0.17	5.25
179.0	180.5	73483	0.292	0.030	0.15	6.10
180.5	182.0	73484	0.172	0.010	0.08	7.50
182.0	183.5	73485	0.178	0.010	0.07	5.95
183.5	185.0	73486	0.109	0.010	0.04	6.15
185.0	186.5	73487	0.204	0.010	0.07	5.90
186.5	188.0	73488	0.323	0.010	0.15	6.85
188.0	189.5	73489	0.191	0.010	0.06	6.50
189.5	191.0	73490	0.136	0.010	0.08	6.65
191.0	192.5	73491	0.201	0.010	0.13	5.10
192.5	194.0	73492	0.264	0.010	0.16	2.35
194.0	195.5	73493	0.292	0.010	0.11	5.85
195.5	197.0	73494	0.377	0.010	0.17	6.40
197.0	198.5	73495	0.233	0.010	0.13	5.35
198.5	200.0	73496	0.190	0.010	0.09	5.55
200.0	201.5	73497	0.067	0.010	0.02	4.50
201.5	203.0	73498	0.085	0.010	0.03	4.50
203.0	204.5	73499	0.140	0.010	0.04	4.40
204.5	206.0	74326	0.117	0.010	0.04	5.05
206.0	207.5	74327	0.131	0.010	0.05	4.60
207.5	209.0	74328	0.127	0.010	0.05	4.55
209.0	210.5	74329	0.690	0.010	0.25	5.10
210.5	212.0	74330	0.769	0.010	0.21	5.05
212.0	213.5	74331	0.613	0.010	0.15	6.35
213.5	215.0	74332	0.767	0.020	0.21	5.50
215.0	216.5	74333	0.293	0.010	0.09	3.25
216.5	218.0	74334	0.977	0.010	0.30	4.00
218.0	219.5	74335	0.706	0.020	0.24	6.35
219.5	221.0	74336	0.216	0.010	0.06	4.50
221.0	222.5	74337	0.248	0.010	0.07	4.00

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
222.5	224.0	74338	0.579	0.030	0.19	5.35
224.0	225.5	74339	0.335	0.010	0.10	4.05
225.5	227.0	74341	0.203	0.010	0.06	3.65
227.0	228.5	74342	0.379	0.010	0.10	3.85
228.5	230.0	74343	0.134	0.010	0.05	5.45
230.0	231.5	74344	0.168	0.010	0.05	4.10
231.5	233.0	74345	0.169	0.010	0.08	4.25
233.0	234.5	74346	0.264	0.010	0.10	4.15
234.5	236.0	74347	0.411	0.010	0.18	6.70
236.0	237.5	74348	0.742	0.010	0.31	5.50
237.5	239.0	74349	0.925	0.010	0.37	5.80
239.0	240.5	74350	0.647	0.010	0.26	7.15
240.5	242.0	74476	0.277	0.010	0.12	8.55
242.0	243.5	74477	0.226	0.010	0.08	4.50
243.5	245.0	74478	0.543	0.010	0.25	5.45
245.0	246.5	74479	0.331	0.010	0.22	3.05
246.5	248.0	74481	0.103	0.010	0.04	3.65
248.0	250.0	74482	0.216	0.010	0.10	4.60
250.0	251.8	74483	0.323	0.010	0.22	4.25
50.0	52.3	73228	0.030	0.010	0.07	4.60
52.3	53.8	73229	0.011	0.010	0.06	5.70
53.8	56.0	73230	0.025	0.010	0.09	3.60
56.0	59.0	73231	0.019	0.010	0.03	3.15
59.0	62.0	73232	0.049	0.010	0.03	3.50

Drillhole Report

MP-01-57

Zone	Springer	**Easting**	1555.0	**Drilled By**	F. Boisvenu Drilling
Length (m)	212.4	**Northing**	3805.2	**Logged By**	C. Wild
		Elevation	1182.0	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-50	Head Set
57.9	270	-46.5	Acid Test
212.4	270	-46.5	Acid Test

Lithology

From	To	LITH	Description
0.0	6.4	Casing	No recovery.
6.4	20.3	Bx	Pink plag por with grey plag por intrusion bx clasts with hydrothermal overprint. Altn includes mod Kf, mag, and lesser actinolite. Core is strongly weathered and fractured; does not appear to be sheared. Fracture planes are limonitic, likely goethite, hematite (slickensided), and stubby dendrites of Cu-Mn wad. Minor malachite and traces of native copper, appears to be low-grade, high-oxide. Good recovery, low RQD. 8.1 Fracture with mag, min cp and strong green malachite @ 45 to c.a. *16.0 Green malachite in rubble.* 18.9-19.1 Magnetite-act bx, with sig very fine native copper in mag matrix. Strong hem slicks @ 25 to c.a.
20.3	32.1	Bx	Pink plag por with grey plag por intrusion bx clasts with hydrothermal overprint. Altn includes mod Kf, mag, and lesser actinolite. Same as above but less fractured. Kf-altn is moderate, mag vnlts, minor act. Dendritic Mn-oxide (poss Cu) slightly less common but traces of native copper and cp assoc with magnetite. Very minor Cu-oxides, less lim, hem.
32.1	33.0	FLT	Strongly oxidized rubble at top, sericitic lower. Minor structure.
33.0	60.4	Bx	Medium pink and grey, fine-grained clasts in mag-rich matrix. Occasionally see weak porphyritic texture, largely obliterated. Altn is strong but sublte; Kf throughout, mag matrix, lesser act. Moderate to strong mineralization consisting of fine to blebby cp with variable bronze to copper coloured bornite, most often with black med-grained magnetite. Minor flecks of native copper may be bornite. *39.1-46.5 Pink, strong Kf-flooded bx. Cp > bornite, both finer grained than in greyer bx. Mod fractured.* 46.5-60.4 Grey and pink bx, as described above. Mod fractured.
60.4	66.5	Bx	Pink to pinkish grey, fine-grained plag por, as above. Incr Kf but weak to mod mag. Sharp increase in oxidation, most fractures limonitic with variable dendritic Mn (Cu) oxides. Malachite and minor chrysocolla also present. Fine cp & bo becomes oxidized ~62.0m, reappears ~64.3m in a mag bx.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
141.9	143.9	72432	0.132	0.012	0.08	5.94
143.9	145.9	72433	0.076	0.006	0.08	5.44
145.9	147.4	72434	0.045	0.004	0.04	5.46
147.4	148.9	72435	0.018	0.001	0.03	5.22
148.9	150.4	72436	0.037	0.002	0.06	6.01
150.4	152.0	72437	0.167	0.013	0.13	4.95
152.0	154.0	72438	0.204	0.012	0.14	6.95
154.0	156.0	72439	0.173	0.028	0.20	5.25
156.0	157.9	72440	0.136	0.014	0.13	6.26
157.9	159.6	72441	0.007	0.002	0.01	4.71
159.6	161.3	72442	0.008	0.001	0.01	4.49
161.3	162.6	72443	0.252	0.039	0.32	3.68
162.6	164.3	72444	0.009	0.002	0.01	4.50
164.3	166.0	72445	0.460	0.076	0.44	7.00
166.0	168.0	72446	0.298	0.036	0.31	5.55
168.0	170.0	72447	0.377	0.065	0.31	3.44
170.0	172.0	72448	0.264	0.057	0.20	3.31
172.0	174.0	72449	0.131	0.096	0.21	1.79
174.0	176.0	72451	0.240	0.212	0.18	2.31
176.0	178.0	72452	0.267	0.224	0.25	3.02
178.0	180.0	72453	0.399	0.109	0.43	9.34
180.0	182.0	72454	0.288	0.092	0.29	6.16
182.0	184.0	72455	0.299	0.190	0.87	5.33
184.0	186.0	72456	0.165	0.057	0.15	2.16
186.0	188.0	72457	0.169	0.009	0.08	2.19
188.0	190.0	72458	0.094	0.004	0.06	6.15
190.0	192.0	72459	0.145	0.008	0.10	6.59
192.0	194.0	72460	0.249	0.021	0.22	5.21
194.0	196.0	72461	0.144	0.005	0.11	4.37
196.0	198.0	72462	0.222	0.029	0.13	3.21

Lithology

From	To	LITH	Description
66.5	111.9	Bx	Medium pink and grey bx, as before. Bx texture is consistent. Mod Kf altn, mag is locally strong as thin vnlts and blebs on fractures, as much as 10% of core, weak albite as vnlts and minor local ab bx. Interval is variably oxidized with local limonitic fractures with malachite (chrysocolla). Calcite vnlts quite common. Cp-bo mineralization is present throughout, weaker than before but fine-grained, assoc with mag, act. Difficult to see due to f-gr nature and intimate relationship with mag, but very consistent. Interval is hard and competent throughout. 76.5-77.8 Three narrow fracture zones, weakly sericitic, oxidized.
111.9	140.5	Bx	Becomes pinker, locally more albitic with black patchy mag more obvious. Mineralization remains the same, very fine-grained cp, bo intimately assoc with magnetite. Continues very hard and competent. 115.3 Malachite on fractures.
140.5	141.2	Bx	Medium pinkish grey bx with good grey PP inclusions. Mineralization continues with magnetite. Gradational contact with pink bx.
141.2	141.9	AP	Dark green, augite (chl) - olivine (epi-ser) porphyry. Not sheared along upper contact (~70 to c.a.) but hematite shearing throughout dyke. Lower contact also @ 70 to c.a., weakly sheared.
141.9	150.4	Bx	Medium pinkish grey, as above dyke. Fewer inclusions downsection. Fine-grained cp, bo continues, unit is strongly magnetic although mag vnlts & blebs are less conspicuous. Moderately fractured with limonite on some fractures. Sharp, irregular, unsheared but crumbly, sericitic lower contact @ ~ 60 to c.a. Mag, cp, bo at contact.
150.4	157.9	Bx	Pink mottled bx, as before (111.9-140.5m). More grey blocks toward lower dyke contact. Continues to be strongly potassic with strong magnetite and assoc cp-bo.
157.9	161.3	Dacite	Olive-green, strongly plag porphyritic with usual round phenos and tabular, weakly trachytic sausseritized plag phenos. Less than 10% chl-epi altered mafic phenos. Mod to strong mag, poss with minor cp-bo. Upper contact sharp @ 65 to c.a.; 5mm dark, f-gr chill margin on both contacts. Lower contact @ 50 to c.a.
161.3	162.6	Bx	Pink bx, as above. More uniform, less blocky.
162.6	164.3	Dacite	Same as above (157.9-161.3m). Both contacts @ 60 to c.a. with 5-10mm chill margins.
164.3	188.5	Bx	Pink bx, more uniform and less blocky than before (150.4-157.9m). Oxidation gradually increasing, marked by decrease in mag, cp-bo and increase in Cu-oxides, Mn-oxides, and limonite. Modest increase in fracturing. 170.6-171.0 Mag bx, cp-bo finely diss in mac vnlts. 171.0-173.0 Weak mag, cp-bo. 173.0-177.2 Begin to see dendritic Mn-oxides and Cu-oxides, mainly chrysocolla, on fractures and vnlts; weak mag. 177.2-180.4 Darker grey, more magnetic section, with minor Cu-oxides and yellow goethite on fractures near top giving way to mag and cp-bo, esp @ 179.4-179.6m. More fractured. 180.4-180.6 Uniform pink bx, highly fractured, rubbly. 181.4-181.7 Rubble zone in pink bx, strongly oxidized. 182.6 Cu-oxides. 182.7-185.0 Strongly fractured, str goethite. 185.0-188.5 Decreasing oxidation, incr mag, min f-gr cp-bo.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
198.0	200.0	72463	0.136	0.018	0.17	4.61
200.0	202.0	72464	0.100	0.006	0.14	4.72
202.0	204.0	72465	0.149	0.011	0.16	4.82
204.0	206.0	72466	0.120	0.003	0.14	5.01
206.0	208.0	72467	0.127	0.003	0.20	5.96
208.0	210.0	72468	0.266	0.008	0.37	6.36
210.0	212.1	72469	0.197	0.006	0.32	4.38
6.4	8.0	74484	0.105	0.050	0.05	6.00
8.0	10.0	74485	0.271	0.140	0.52	4.85
10.0	12.0	74486	0.094	0.040	0.08	4.75
12.0	14.0	74487	0.085	0.040	0.05	3.70
14.0	16.0	74488	0.149	0.090	0.30	4.30
16.0	18.0	74489	0.142	0.080	0.17	4.05
18.0	20.0	74490	0.067	0.030	0.03	8.55
20.0	22.0	74491	0.094	0.050	0.05	5.40
22.0	24.0	74492	0.074	0.050	0.03	4.60
24.0	26.0	74493	0.070	0.040	0.02	4.00
26.0	28.0	74494	0.097	0.050	0.05	4.40
28.0	30.0	74495	0.087	0.060	0.02	3.40
30.0	32.0	74496	0.094	0.050	0.04	3.90
32.0	34.0	74497	0.255	0.100	0.33	5.75
34.0	36.0	74498	0.336	0.090	0.27	5.80
36.0	38.0	74499	0.444	0.030	0.32	5.75
38.0	40.0	72351	0.326	0.020	0.20	3.90
40.0	42.0	72352	0.548	0.030	0.35	4.70
42.0	44.0	72353	0.622	0.030	0.67	4.35
44.0	46.0	72354	0.584	0.030	0.53	4.95
46.0	48.0	72355	0.324	0.030	0.33	5.00
48.0	50.0	72356	0.282	0.030	0.33	5.30
50.0	52.0	72357	0.239	0.040	0.23	5.15
52.0	54.0	72358	0.259	0.030	0.34	5.50
54.0	56.0	72359	0.256	0.030	0.35	5.35
56.0	58.0	72360	0.223	0.020	0.38	5.00
58.0	60.0	72361	1.000	0.060	2.48	4.30
60.0	62.0	72362	1.000	0.130	4.00	3.85
62.0	64.0	72363	0.448	0.350	0.73	3.65
64.0	66.0	72364	0.260	0.130	0.31	5.95
66.0	68.0	72365	0.233	0.060	0.25	5.25
68.0	70.0	72366	0.303	0.070	0.41	5.00
70.0	72.0	72367	0.414	0.100	0.47	5.15
72.0	74.0	72368	0.474	0.100	0.66	4.75
74.0	76.0	72369	0.334	0.160	0.42	4.60

Lithology

From	To	LITH	Description
188.5	212.1	Bx	Grey and pink mottled, coarse blocky bx; strong porphyritic texture. Less Kf, strong magnetite, fine cp-bo clearly visible. Mod fractured. 196.6-200.5 Pink bx with minor grey-pink sections, increased Kf-act, mod to str mag, weaker cp-bo. 200.5-211.4 Grey-pink bx, mod to str mag with cp-bo, local chlorite on fractures. Moderate to strong fracturing. 211.4- 212.1 Pink bx, still well-mineralized.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
76.0	78.0	72371	0.383	0.280	0.28	4.75
78.0	80.0	72372	0.263	0.100	0.38	4.90
80.0	82.0	72373	0.409	0.100	0.39	4.30
82.0	84.0	72374	0.404	0.120	0.41	4.15
84.0	86.0	72375	0.293	0.060	0.17	4.60
86.0	88.0	72376	0.444	0.050	0.27	4.05
88.0	90.0	72377	0.499	0.030	0.27	4.20
90.0	92.0	72378	0.412	0.090	0.19	4.10
92.0	94.0	72379	0.505	0.040	0.23	3.80
94.0	96.0	72380	0.346	0.070	0.08	4.65
96.0	98.0	72381	0.448	0.060	0.10	4.55
98.0	100.0	72382	0.463	0.040	0.07	5.55
100.0	102.0	72383	0.419	0.040	0.25	5.80
102.0	104.0	72384	0.576	0.050	0.21	4.90
104.0	106.0	72385	0.288	0.030	0.14	7.65
106.0	108.0	72386	0.299	0.030	0.10	5.80
108.0	110.0	72387	0.424	0.070	0.20	7.35
110.0	112.0	72388	0.239	0.110	0.18	7.30
112.0	114.0	72389	0.349	0.100	0.34	6.85
114.0	116.0	72391	1.000	0.090	1.28	5.70
116.0	118.0	72392	0.049	0.010	0.09	6.55
118.0	120.0	72393	0.118	0.010	0.05	7.20
120.0	122.0	72394	0.119	0.010	0.03	7.25
122.0	124.0	72395	0.251	0.020	0.06	6.75
124.0	126.0	72396	0.157	0.010	0.10	7.70
126.0	128.0	72397	0.271	0.020	0.08	7.45
128.0	130.0	72398	0.140	0.020	0.11	9.15
130.0	132.0	72399	0.116	0.010	0.05	9.50
132.0	134.0	72400	0.080	0.010	0.03	7.80
134.0	136.0	72426	0.169	0.010	0.10	6.90
136.0	138.0	72427	0.110	0.010	0.08	5.55
138.0	140.0	72428	0.213	0.020	0.12	5.94
140.0	141.2	72429	0.295	0.041	0.21	5.75
141.2	141.9	72431	0.014	0.002	0.01	5.82

Drillhole Report

MP-01-58

Zone	Springer	**Easting**	1582.8	**Drilled By**	F. Boisvenu Drilling
Length (m)	215.2	**Northing**	3757.4	**Logged By**	C. Wild
		Elevation	1190.0	**Comments**	

Depth	Az	Dip	Survey Type
215.2	266	-48.5	Acid Test
0.0	266	-50	Head Set
78.0	266	-47	Acid Test

Lithology

From	To	LITH	Description
0.0	6.1	Casing	No recovery.
6.1	58.5	Bx (Monz)	Medium grey with weak pink overprint. Medium-grained to weakly porphyritic with suasseritized plag and chloritized mafics occasional "salt& pepper" texture. Unit hosts several small, dark grey dioritic inclusions and is locally mottled. Alteration consists of periodic Kf vnlts, usually with magnetite and minor actinolite. Dominant altn is chlorite-epidote-calcite. Mineralization consists of minor cp and tarnished cp or bo assoc with mag and occasionally diss in diorite. Minor Cu-oxides assoc with calcite vnlts and fractures. Unit is uniform, locally appears as a weak intrusion breccia. Unit is weakly fractured and competent, except as noted. 14.1 Fracture with malachite and limonite. 38.9-39.0 Minor fault, sand and sericite gouge, @ ~60 to c.a. 40.7-40.9 White and purple banded calcite vein @ 35 to c.a., approx 10cm true thickness. 53.7-55.8 Minor shear zone; sericitic fractures, many at low angles to c.a.
58.5	132.0	Bx	Pink and pink-grey to mottled blocky bx, generally fine-grained with small sections of porphyritic bx. Potassic altn is strong with Kf flooding, particularly in "pink" bx (see below). Magnetite vnlts, often ith actinolite, commonly 1-2mm thick, erratic orientation. Mineralization is variable but fine-grained cp-bo, assoc with mag-act in vnlts and on fractures. F-gr diss cp-bo common. Relatively high-grade section. Hard, competent core throughout. 58.5-68.9 Pink bx; increased Kf, poss albite; fracture controlled mag-cp-bo @ 40-55 & 70-75 to c.a. Minor malachite @ 63.4m 68.9-77.4 Dark to med grey with stockwork of Kf stringers; continues strongly mag with mod f-gr cp-bo. 77.4-91.9 Pink bx, as above; strong Kf-mag, cp-bo. 91.9-96.2 Pink PP-type bx; medium to coarse plag por with less intense Kf-mag, weak cp-bo. 96.2-104.3 Pink bx, as above, quite well mineralized. 104.3-109.2 Grey-pink bx, more mottled with obvious clastic bx texture. Strong potassic altn, good mag-cp-bo. 109.2-115.4 Pink bx, as above. 115.4-132.0 Grey-pink bx, as above. Mineralization weakening slightly down interval.
132.0	144.7	AgMz	Grey to pink-grey, medium-grained, porphyritic with augite (chl) phenos to 4mm. Phenos make up ~10% of unit, somewhat ragged appearance. Plag & Kf grains to 2mm. Weak potassic altn, Kf weakens from contacts over 1-2m. Magnetite remains quite strong, cp-bo is much weaker, mainly restricted to contact zones. Contacts are gradational (lower @ ~50 to c.a.), inclusions of dark volcanic are rare but conspicuous. Unit is very hard and unfractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
6.1	8.0	72471	0.084	0.042	0.02	4.52
8.0	10.0	72472	0.082	0.049	0.06	3.73
10.0	12.0	72473	0.078	0.052	0.02	4.37
12.0	14.0	72474	0.082	0.043	0.04	4.34
14.0	16.0	72475	0.075	0.034	0.04	5.23
16.0	18.0	72476	0.058	0.032	0.01	5.35
18.0	20.0	72477	0.077	0.033	0.04	4.75
20.0	22.0	72478	0.059	0.039	0.05	5.20
22.0	24.0	72479	0.136	0.074	0.13	6.29
24.0	26.0	72480	0.108	0.029	0.05	6.44
26.0	28.0	72481	0.213	0.112	0.13	6.10
28.0	30.0	72482	0.221	0.126	0.11	6.60
30.0	32.0	72483	0.169	0.085	0.09	6.53
32.0	34.0	72484	0.131	0.058	0.05	6.36
34.0	36.0	72485	0.214	0.096	0.10	6.24
36.0	38.0	72486	0.090	0.032	0.13	6.11
38.0	40.0	72487	0.162	0.054	0.08	5.68
40.0	42.0	72488	0.207	0.082	0.06	5.71
42.0	44.0	72489	0.366	0.061	0.18	5.78
44.0	46.0	72491	0.220	0.026	0.07	5.85
46.0	48.0	72492	0.310	0.043	0.08	5.75
48.0	50.1	72493	0.299	0.050	0.10	6.50
50.1	52.2	72494	0.368	0.086	0.39	6.03
52.2	54.3	72495	0.274	0.175	0.26	6.15
54.3	56.4	72496	0.226	0.142	0.10	5.72
56.4	58.5	72497	0.384	0.054	0.19	5.92
58.5	60.0	72498	0.469	0.145	0.33	6.14
60.0	62.0	72499	0.603	0.183	0.28	6.38
62.0	64.0	72500	0.738	0.156	0.30	4.77
64.0	66.0	72501	0.619	0.046	0.27	5.47

Lithology

From	To	LITH	Description
144.7	146.1	Bx	Grey-pink bx, as before. Good Kf, mag, act altn but cp-bo is weak, generally very fine-grained and diss.
146.1	154.5	PPp	Uniform medium pink, very fine-grained with <5% plag and chloritized mafic phenos. Occasional angular cm-sized monzonitic inclusions. Upper contact @ 25 to c.a.;bx is much pinker at contact. Weak fine-grained cp-bo, weak to mod mag. Unit is very hard, weakly fractured.
154.5	155.2	AP	Dark green, fine-grained augite porphyry. Dark phenos are totally chloritized. Dyke is soft and crumbly, reflecting extensive chl-ser-epi-cal altn, fractures are frequently hematitic and polished, indicating some movement @ 60-80 to c.a. Unsheared upper contact @ 90 to c.a., hem slip along lower contact @ 80 to c.a.
155.2	158.4	PPp	As before; becoming brittle and moderately fractured toward lower contact. Contact @ 70 to c.a.; again, bx is much pinker adjacent to contact.
158.4	177.2	Bx	Pink and grey mottled to albitic coarse blocky bx. Blocks include greenish-grey monz, dark volcs, and finer pink monz in albite-Kf-mag matrix. Vnlts of albite, mt, act, Kf also common, strong potassic altn. Mineralization consists of fine-grained cp-bo, most commonly assoc with mag & act. Minl is weaker than before (58.5-132.0m), increasing slightly downhole. Calcite occurs in matrix and as late vnlts & stringers. Unit is weak to mod fractured. 168.3-170.1 Vuggy, albite-mag-actmatrix with marginal cp-bo.
177.2	181.5	Dacite	Pale brownish-grey, fine-grained, plag porphyritic. Uniform, weakly altered, unmineralized dyke, cut by late calcite vnlts @ 55 to c.a. Irregular upper contact with 4cm dark, f-gr chill margin, steep to c.a.; lower contact has a 15cm chill margin with a 7cm inclusion of pink bx, @ 60 to c.a.
181.5	207.8	Bx	Grey and pink mottled bx, slightly greyer, less blocky and albitic than above dyke. Less Kf flooding, continues mod to strongly magnetic with minor act and albite. Overall, mineralization is weaker, fine diss cp-bo assoc with mag. 184.0 Strong mag-cp-bo on irregular fracture. 184.7 Strong cp-bo, also minor malachite. 194.1-200.9 Quite grey with weaker Kf and mag vnlts. Weakly mineralized. 200.9-204.6 Pink bx; Strong Kf- act, mod mag, weak to mod cp-bo. Weakly limonitic on fractures. 204.6-207.8 Transition zone between grey and pink bx and lower green bx. Mottled with pink por blocks to 15cm in pale grey chl-ser-mag-epi matrix. Only minor cp-bo noted with mag.
207.8	215.2	Bx	Green and pink, finer bx with pink PP clasts smaller than in transition zone, in pale to grass green matrix. Clasts appear to be Kf-rich in a matrix that is dominantly chl-ser-mag, min epi. Mag and act vnlts still common with assoc finely diss cp-bo.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
66.0	68.0	72502	1.255	0.070	4.00	4.42
68.0	70.0	72503	0.763	0.060	0.82	4.70
70.0	72.0	72504	0.605	0.040	0.39	4.59
72.0	74.0	72505	0.511	0.038	0.31	4.81
74.0	76.0	72506	0.457	0.026	0.38	4.69
76.0	78.0	72507	0.887	0.052	0.96	4.88
78.0	80.0	72508	1.095	0.171	1.07	4.82
80.0	82.0	72509	1.193	0.059	1.67	3.57
82.0	84.0	72511	0.500	0.041	0.63	3.42
84.0	86.0	72512	0.559	0.044	0.73	4.29
86.0	88.0	72513	0.461	0.049	0.53	3.92
88.0	90.0	72514	0.556	0.053	0.63	2.97
90.0	91.9	72515	0.242	0.023	0.34	3.08
91.9	94.0	72516	0.311	0.026	0.45	3.16
94.0	96.2	72517	0.382	0.035	0.60	3.53
96.2	98.0	72518	0.805	0.036	1.38	4.42
98.0	100.0	72519	0.787	0.040	1.43	4.38
100.0	102.0	72520	0.828	0.040	1.47	5.01
102.0	104.0	72521	1.044	0.054	1.87	5.06
104.0	106.0	72522	0.731	0.035	1.48	4.79
106.0	108.0	72523	0.964	0.046	1.60	5.17
108.0	110.0	72524	1.099	0.060	1.20	5.06
110.0	112.0	72525	0.808	0.045	0.94	4.50
112.0	114.0	72526	0.845	0.051	0.86	4.78
114.0	116.0	72527	0.806	0.063	0.82	5.04
116.0	118.0	72528	0.929	0.071	0.96	6.52
118.0	120.0	72529	0.843	0.070	0.64	6.37
120.0	122.0	72531	0.819	0.054	0.71	6.05
122.0	124.0	72532	0.787	0.044	0.82	6.20
124.0	126.0	72533	0.734	0.049	0.83	5.25
126.0	128.0	72534	0.696	0.046	0.52	7.12
128.0	130.0	72535	0.269	0.041	0.18	5.67
130.0	132.0	72536	0.211	0.023	0.18	4.88
132.0	134.1	72537	0.112	0.015	0.15	4.15
134.1	136.2	72538	0.173	0.019	0.20	6.18
136.2	138.4	72539	0.094	0.012	0.13	6.12
138.4	140.5	72540	0.054	0.007	0.17	6.20
140.5	142.6	72541	0.114	0.032	0.26	6.14
142.6	144.7	72542	0.052	0.008	0.19	4.15
144.7	146.1	72543	0.119	0.024	0.22	5.01
146.1	148.2	72544	0.035	0.005	0.19	2.48
148.2	150.3	72545	0.043	0.008	0.28	2.11

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
150.3	152.4	72546	0.041	0.015	0.30	2.02
152.4	154.5	72547	0.059	0.030	0.60	2.34
154.5	155.2	72548	0.013	0.004	0.01	5.59
155.2	156.8	72549	0.043	0.019	0.36	2.07
156.8	158.4	72576	0.041	0.005	0.32	1.97
158.4	160.0	72577	0.381	0.036	0.45	6.34
160.0	162.0	72578	0.204	0.030	0.02	6.06
162.0	164.0	72579	0.227	0.026	0.13	4.78
164.0	166.0	72580	0.198	0.028	0.14	6.61
166.0	168.0	72581	0.096	0.016	0.07	4.57
168.0	170.0	72582	0.140	0.018	0.11	4.81
170.0	172.0	72583	0.149	0.025	0.14	5.06
172.0	174.0	72584	0.212	0.027	0.22	3.92
174.0	175.6	72585	0.129	0.011	0.12	4.58
175.6	177.2	72586	0.184	0.017	0.17	5.09
177.2	179.3	72587	0.009	0.001	0.01	4.10
179.3	181.5	72588	0.011	0.003	0.01	4.14
181.5	183.0	72589	0.226	0.028	0.34	4.57
183.0	185.0	72591	0.852	0.049	1.06	4.51
185.0	187.0	72592	0.266	0.020	0.18	4.47
187.0	189.0	72593	0.209	0.021	0.21	4.59
189.0	191.0	72594	0.355	0.025	0.29	5.79
191.0	193.0	72595	0.185	0.011	0.14	5.23
193.0	195.0	72596	0.392	0.045	0.30	5.78
195.0	197.0	72597	0.144	0.011	0.07	5.21
197.0	199.0	72598	0.152	0.010	0.10	6.41
199.0	201.0	72599	0.117	0.017	0.11	5.38
201.0	202.8	72600	0.252	0.060	0.13	5.48
202.8	204.6	72701	0.301	0.082	0.17	3.87
204.6	206.2	72702	0.413	0.033	0.54	7.94
206.2	207.8	72703	0.227	0.110	0.68	5.88
207.8	209.3	72704	0.361	0.067	1.08	4.21
209.3	210.8	72705	0.271	0.038	0.59	4.67
210.8	212.3	72706	0.349	0.058	0.57	4.58
212.3	213.8	72707	0.103	0.050	0.08	3.95
213.8	215.2	72708	0.210	0.043	0.20	3.21

Drillhole Report

Zone	Springer	**Easting**	1583.0	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3707.5	**Logged By**	C. Wild
		Elevation	1190.5	**Comments**	

Depth	Az	Dip	Survey Type
0.0	276	-50	Head Set
87.2	276	-46.5	Acid Test
200.0	276	-45.5	Acid Test

Lithology

From	To	LITH	Description
0.0	3.4	Casing	No recovery.
3.4	32.6	Bx	Grey-pink, mottled with cm-size monz clasts. Kf-mag matrix, minor albite, actinolite; locally mag bx. Bx grades to darker grey ~26m. Mineralization consists of minor very fine-grained native copper or bornite, cp-bo, assoc with mag matrix and vnlts. Difficult to estimate but grade appears low. Core is hard and competent. 8.3-8.6 Fault; several cms of clay gouge, minor rubble. 14.7 3cm wide clay-ser-hem seam @ 25 to c.a. 21.6 1-2mm grain of cp with minor mal. 31.4 Strong mag-cp-bo. 32.3 Concentration of calcite vnlts @ 60 & 75 to c.a.
32.6	44.0	Bx	Pink with lesser grey and weak mottling, with pink plag por clasts clearly visible in a Kf-mag matrix. Kf is more intense, mag slightly less than above, also occuring as vnlts often with act, up to 5mm thick. Variably oxidized along fractures, esp 32.6-37.0m. Mineralization is stronger with fine to med-grained, diss cp-bo, assoc with mag-act, mal along some fractures. Core continues hard and competent. 33.0-34.0 Fracture zone; vuggy with minor limonite and significant Cu-oxides, esp mal. Minor shearing apparent.
44.0	69.1	Bx	Pink to grey, mottled with coarser blocks than top of hole. Kf-altn is strong with Kf-mag-act matrix largely obscuring clast boundaries. Good fine-grained, largely diss cp, lesser bo, often assoc with mag. Continuing hard, weakly fractured core.
69.1	91.9	Bx	Darker grey, less pink, finer clasts in grey plag por matrix. Weaker Kf but continuing strong mag-act with corresponding cp-bo. Locally minl is very fine-grained, overall, mainly cp less bo. High grade section. Continues excellent rock quality.
91.9	96.5	Bx	Pink matrix with obvious 1-10cm, subrounded to angular clasts of grey monz. Matrix is Kf-flooded plag por, cut by minor mag vnlts. Diss cp & minor bo is aasoc with moderate fine mag and mag-act vnlts. Contacts are gradational. Core is hard and weakly fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.4	5.0	72709	0.131	0.081	0.04	4.97
5.0	7.0	72711	0.107	0.070	0.00	5.34
7.0	9.0	72712	0.100	0.050	0.06	4.92
9.0	11.0	72713	0.135	0.091	0.02	5.68
11.0	13.0	72714	0.112	0.066	0.01	6.49
13.0	15.0	72715	0.074	0.041	0.01	5.30
15.0	17.0	72716	0.097	0.051	0.02	7.37
17.0	19.0	72717	0.141	0.066	0.05	6.05
19.0	21.0	72718	0.142	0.070	0.04	6.84
21.0	23.0	72719	0.133	0.074	0.06	6.98
23.0	25.0	72720	0.198	0.136	0.05	7.96
25.0	27.0	72721	0.252	0.184	0.10	5.64
27.0	29.0	72722	0.269	0.071	0.09	5.38
29.0	31.0	72723	0.411	0.050	0.20	5.67
31.0	32.6	72724	0.493	0.064	0.25	5.33
32.6	34.0	72725	0.562	0.464	0.25	4.33
34.0	36.0	72726	0.595	0.234	0.21	4.75
36.0	38.0	72727	0.780	0.378	0.40	4.45
38.0	40.0	72728	0.468	0.058	0.19	5.25
40.0	42.0	72729	0.642	0.045	0.22	4.91
42.0	44.0	72731	0.993	0.093	0.29	3.51
44.0	46.0	72732	0.433	0.135	0.22	5.14
46.0	48.0	72733	0.273	0.035	0.15	4.95
48.0	50.0	72734	0.492	0.092	0.32	5.24
50.0	52.0	72735	1.090	0.175	0.33	6.29
52.0	54.0	72736	0.446	0.104	0.28	6.27
54.0	56.0	72737	0.253	0.046	0.22	5.83
56.0	58.0	72738	0.759	0.079	0.48	5.21
58.0	60.0	72739	0.536	0.034	0.33	4.59
60.0	62.0	72740	0.562	0.056	0.55	4.93

Lithology

From	To	LITH	Description
96.6	153.1	Bx	Grey bx, minor pink often in matrix. Plag porphyry clasts and matrix intrusion bx, as above. Superimposed Kf-mag hydrothermal bx. Generally, weak Kf-act. Plag is sausseritized, mafics altered to chl-ser. Mineralization consists of very fine-grained cp-bo, often bo is difficult to identify. Cp-bo is weaker, locally strong assoc with mag; may be finely mixed with mag. Weak to mod fracturing, more so than above. 118.0-130.0 Low-grade section marked by increased limonite and hem on fractures. Sx's difficult to see. 130.6 Splashy mag-cp vnlt @ 30 to c.a. 130.0-136.0 Cp, mag, min bo. 136.0-153.1 Dense, mag-rich dark grey bx with only minor f-gr cp-bo assoc with mag. Weak Kf.
153.1	153.8	AP	Dark green, fine-grained augite porphyry. Dark phenos are totally chloritized. Dyke is soft and crumbly, reflecting extensive chl-ser-epi-cal altn, fractures are frquently hematitic and polished, indicating some movement @ 60-80 to c.a. Rubbly upper contact; sharp lower contact @ 65 to c.a. 1-2mm chill margin in dyke.
153.8	169.1	Bx	As above dyke. Dense, mag-rich dark grey bx with only minor f-gr cp-bo assoc with mag. Weak Kf. 168.1 Grades into much paler, mottled bx; more albitic with increased fine cp.
169.1	174.0	Dacite	Pale brownish-grey, fine to med -grained, plag porphyritic monzonite. Uniform, weakly altered, unmineralized dyke, cut by late calcite vnlts @ 20, 45, 75 to c.a. Sharp upper contact with 2cm dark, f-gr chill margin, @ 55 to c.a.; irreguiar iower contact has a 3cm chiii margin. Dyke is hard and weakly fractured.
174.0	181.5	Bx	Pink and grey, coarse blocky bx - block supported. Blocks are mainly grey monz and pink plag por with blocks from 1cm to as much as 1m (large blocks are grey monz). Matrix is albite-Kf-mag; relatively strong potassic altn. Cp and minor bo are common in matrix and some blocks.
181.5	200.0	Bx	Pink, uniform strongly Kf-altered bx, quickly grades from blocky mottled bx. Kf-flooded, oxidized along a series of fractures subparallel to c.a (184-189m). Below oxidized zone, bx is increasingly mag with assoc act. Mineralization is weaker at the top with f-gr cp-mag on some fractures. Malachite is found in oxidized fracture zone with min diss cp, Mn-oxides, calcite, and limonite. Below 190.0m, mag-cp-bo picks up, becoming strong ~199m.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
62.0	64.0	72741	0.847	0.058	0.48	4.34
64.0	66.0	72742	0.651	0.062	0.47	5.10
66.0	68.0	72743	0.564	0.054	0.55	5.42
68.0	70.0	72744	0.372	0.042	0.29	5.06
70.0	72.0	72745	0.637	0.050	0.35	6.28
72.0	74.0	72746	0.493	0.047	0.28	6.95
74.0	76.0	72747	0.545	0.036	0.29	6.72
76.0	78.0	72748	0.327	0.045	0.12	6.34
78.0	80.0	72749	0.549	0.046	0.24	6.54
80.0	82.0	72751	0.548	0.038	0.28	5.78
82.0	84.0	72752	0.416	0.057	0.39	6.06
84.0	86.0	72753	0.724	0.033	0.47	5.99
86.0	88.0	72754	0.501	0.020	0.35	6.16
88.0	90.0	72755	0.378	0.027	0.22	6.15
90.0	91.9	72756	0.376	0.054	0.30	6.14
91.9	94.0	72757	0.715	0.028	0.36	4.09
94.0	96.0	72758	0.391	0.033	0.28	4.62
96.0	98.0	72759	0.453	0.035	0.40	4.97
98.0	100.0	72760	0.283	0.009	0.30	5.11
100.0	102.0	72761	-2.000	-2.000	-2.00	-2.00
102.0	104.0	72762	0.422	0.018	0.30	5.31
104.0	106.0	72763	0.440	0.018	0.27	5.43
106.0	108.0	72764	0.396	0.023	0.28	4.46
108.0	110.0	72765	0.443	0.023	0.19	4.60
110.0	112.0	72766	0.327	0.039	0.17	4.44
112.0	114.0	72767	0.354	0.028	0.11	5.19
114.0	116.0	72768	0.482	0.038	0.49	5.68
116.0	118.0	72769	0.458	0.030	0.32	4.64
118.0	120.0	72771	0.339	0.044	0.13	5.30
120.0	122.0	72772	0.300	0.057	0.21	4.75
122.0	124.0	72773	0.385	0.030	0.26	5.18
124.0	126.0	72774	0.388	0.044	0.19	5.48
126.0	128.0	72775	0.383	0.030	0.16	5.32
128.0	130.0	72776	0.477	0.048	0.26	5.24
130.0	132.0	72777	0.855	0.058	0.25	8.63
132.0	134.0	72778	0.312	0.019	0.09	5.56
134.0	136.0	72779	0.389	0.025	0.13	6.33
136.0	138.0	72780	0.346	0.019	0.11	6.27
138.0	140.0	72781	0.234	0.012	0.06	6.03
140.0	142.0	72782	0.175	0.008	0.04	6.03
142.0	144.0	72783	0.134	0.005	0.03	5.81
144.0	146.0	72784	0.090	0.005	0.02	5.61

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
146.0	148.0	72785	0.246	0.053	0.13	7.12
148.0	150.0	72786	0.117	0.042	0.01	5.97
150.0	151.6	72787	0.101	0.008	0.01	5.76
151.6	153.1	72788	0.077	0.005	0.04	5.47
153.1	153.8	72789	0.016	0.002	0.01	5.83
153.8	156.0	72791	0.143	0.010	0.06	5.62
156.0	158.0	72792	0.156	0.011	0.06	5.99
158.0	160.0	72793	0.131	0.011	0.03	8.53
160.0	162.0	72794	0.180	0.026	0.06	6.30
162.0	164.0	72795	0.143	0.013	0.05	5.45
164.0	166.0	72796	0.123	0.010	0.11	6.23
166.0	167.6	72797	0.115	0.012	0.11	6.29
167.6	169.1	72798	0.133	0.013	0.06	6.66
169.1	171.5	72799	0.009	0.001	0.01	4.10
171.5	174.0	72800	0.008	0.001	0.01	4.18
174.0	176.0	72801	0.131	0.006	0.19	5.58
176.0	178.0	72802	0.167	0.010	0.11	5.63
178.0	180.0	72803	0.392	0.120	0.35	5.38
180.0	182.0	72804	0.373	0.055	0.25	4.49
182.0	184.0	72805	0.188	0.062	0.15	1.95
184.0	186.0	72806	0.272	0.192	0.17	2.76
186.0	188.0	72807	0.195	0.149	0.08	2.64
188.0	190.0	72808	0.453	0.099	0.17	3.68
190.0	192.0	72809	0.243	0.018	0.11	3.63
192.0	194.0	72811	0.267	0.016	0.09	2.95
194.0	196.0	72812	0.279	0.018	0.37	5.08
196.0	198.0	72813	0.307	0.012	0.22	4.20
198.0	200.0	72814	1.012	0.060	1.81	8.85

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-60

Zone	Springer	**Easting**	1450.7	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3729.6	**Logged By**	C. Wild
		Elevation	1171.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	90	-45	Head Set
93.3	90	-41	Acid Test
200.0	90	-41.5	Acid Test

Lithology

From	To	LITH	Description
0.0	3.4	Casing	No recovery.
3.4	32.7	Bx	Pink, weakly mottled intrusion bx with minor pink-grey sections; fine-grained pink monzonitic matrix with clasts of greenish-grey f-gr to plag por monz - matrix supported. Strong Kf-flooding in matrix, occ 20cm sections of elevated mag but generally weak, med green actinolite in places (chl-ser), sausseritized plag. Weakly mineralized with Cu-oxides (mal, chrysocolla), Mn-oxides, limonite; min cp-bo, higher in mag-rich sections. Unit is weakly fractured except 29.5-32.7. 21.6 20cm mag-rich zone, some blebby cp. 28.0- Incr ox. 29.5-32.7 Strongly fractured, extensive limonite (goethite), Mn-oxides; green Cu-oxides absent.
32.7	39.8	Bx	Pink-grey, fine-grained, massive-looking with diffuse bx block boundaries. Strong Kf, mod mag. Incr cp-bo, very fine-grained, weak to mod. Weakly fractured.
39.8	52.7	Bx	Orange-pink, fine-grained with relatively few grey plag por/monz blocks, as before. Orangish colour reflects high oxidation. Mn-oxides, limonites prevalent, esp in strongly fractured zone. Min cp-bo assoc with hem. Mag is weak. 39.8-42.0 Weakly fractured. 42.0-52.7 Strongly fractured.
52.7	66.2	Bx	Mixed section of grey and pink, medium-grained to blocky bx. Clasts of pink and grey medium-grained to por monz common, still matrix-supported intrusion bx but with stronger hydrothermal bx overprint. Strong Kf, mod mag, minor act & albite. Mod oxide - strongly fractured zone; hem-lim-mal- Mn-oxides common but weakening. Minor fine-grained cp-bo, seen only in mag.
66.2	79.9	AgMz	Medium grey to greenish-grey, medium-grained, porphyritic with augite (chl) phenos to 4mm, (greyer than AgMz in MP-01-58, less Kf). Phenos make up ~10% of unit, somewhat ragged appearance. Plag & Kf grains to 2mm, suasseritized. Weak potassic veinlets. Magnetite is mod-strong, sulphides are rare, mainly restricted to near lower contact. Sharp upper contact @ 60 to c.a., fine-grained over top 70cm. Lower contact is more irregular, perhaps brecciated. Unit is hard and weakly fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.4	5.0	72815	0.117	0.111	0.03	2.96
5.0	7.0	72816	-2.000	-2.000	-2.00	-2.00
7.0	9.0	72817	0.103	0.081	0.03	2.61
9.0	11.0	72818	0.109	0.097	0.05	2.64
11.0	13.0	72819	0.111	0.046	0.06	3.61
13.0	15.0	72820	0.105	0.091	0.05	2.39
15.0	17.0	72821	0.091	0.070	0.05	3.07
17.0	19.0	72822	0.194	0.178	0.13	3.31
19.0	21.0	72823	0.034	0.018	0.01	2.41
21.0	23.0	72824	0.107	0.031	0.05	2.83
23.0	25.0	72825	0.059	0.024	0.04	3.53
25.0	27.0	74501	0.060	0.022	0.06	2.36
27.0	29.0	74502	0.037	0.011	0.04	2.32
29.0	31.0	74503	0.047	0.016	0.03	2.22
31.0	32.7	74504	0.089	0.039	0.09	2.49
32.7	34.5	74505	0.059	0.006	0.06	2.60
34.5	36.3	74506	0.044	0.022	0.04	3.15
36.3	38.1	74507	0.050	0.018	0.04	2.90
38.1	39.8	74508	0.043	0.018	0.05	3.11
39.8	42.0	74509	0.074	0.019	0.05	2.85
42.0	44.0	74511	0.048	0.022	0.03	2.59
44.0	46.0	74512	0.072	0.038	0.07	2.69
46.0	48.0	74513	0.105	0.073	0.13	3.97
48.0	50.0	74514	0.154	0.124	0.17	4.50
50.0	52.0	74515	0.149	0.122	0.06	2.60
52.0	54.0	74516	0.212	0.166	0.17	5.26
54.0	56.0	74517	0.249	0.208	0.30	6.20
56.0	58.0	74518	0.436	0.400	0.35	6.03
58.0	60.0	74519	0.394	0.343	0.36	6.59
60.0	62.0	74520	0.162	0.109	0.15	4.98

Lithology

From	To	LITH	Description
79.9	162.2	Bx	*Medium to dark grey and orange-pink, fine-grained to plag por with cm-sized dark clasts. Distinctive dark massive bx with network of very fine Kf stringers, strongly magnetic. Cp-bo is fine-grained and diss in Kf flooding, med to fine-gr in blebby and vnlt mag, and occ coarse blebby intergrown cp and bronze bo; high-grade section. Mineralization is quite consistent throughout, weaker from 150-162.2m. Weakly oxidized adjacent to AgMz. Weakly fractured throughout, occ calcite and hem vnlts.* 87.1 Mal & lim on fracture assoc with calcite stringers @ 25 to c.a. 146.4-158.3 Fracturing increases significantly, introduction of more Kf flooding, calcite veining. Fractures are @ *70-90 & 0-20 to c.a., dark green chl on many, occ Cu-oxides. Corresponds to drop in cp-bo.* 158.3-162.2 More competent, much less cal-chl, incr in cp-bo.
162.2	170.2	Bx	Pink, less grey, still quite massive-looking with small grey inclusions in fine pink plag por matrix (intrusion bx). Gradational with grey-pink bx. Kf-flooded but slightly weaker mag & act. Weak minl, locally mod cp-bo, min Cu-oxides. Hard and weakly fractured. 169.5-170.2 Sig cal (+albite) veining @ 30 to c.a. Vuggy and fractured but no sx's or Cu-oxides identified. Patchy *ser-chl along narrow mag vnlts.*
170.2	197.7	Bx	Mixed mottled pink and grey, coarse, locally albitic, blocky bx. Grades into more massive, darker bx ~197.7m. Alteration consists of strong Kf, mod to strong mag, locally patchy act and vuggy albite. Some sericite on fractures. Generally weak fine-grained cp-bo, some med-gr bo-cp in mag, occ Cu-oxides on some oxidized (limonitic) fractures. Mod-weakly fractured. 170.2-170.8 Cal-albite veining @ 30 to c.a. At transition between pink and mottled bx's. *175.0-177.1 Mod fracturing with incr cal-ser on fractures.* 192.3-197.7 Purplish-pink massive plag por section.
197.7	200.0	Bx	Dark grey and pink, hard, massive bx with network of Kf stringers, strongly magnetic. Cp-bo is fine to coarse grained in blebby and vnlt mag, and occ coarse blebby intergrown cp and bronze bo; high-grade section. Calcite common on fractures.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
62.0	64.0	74521	0.156	0.119	0.15	2.12
64.0	66.2	74522	0.102	0.072	0.11	2.29
66.2	68.0	74523	0.032	0.013	0.02	5.46
68.0	70.0	74524	0.032	0.010	0.01	5.52
70.0	72.0	74525	0.025	0.003	0.01	5.29
72.0	74.0	74526	0.023	0.003	0.01	5.33
74.0	76.0	74527	0.028	0.007	0.01	5.55
76.0	78.0	74528	0.041	0.015	0.19	5.57
78.0	79.9	74529	0.104	0.024	0.17	5.26
79.9	82.0	74531	0.313	0.142	0.32	4.40
82.0	84.0	74532	0.451	0.083	0.68	5.27
84.0	86.0	74533	0.592	0.053	1.17	4.76
86.0	88.0	74534	0.698	0.083	1.16	4.63
88.0	90.0	74535	0.450	0.044	0.53	4.85
90.0	92.0	74536	1.250	0.088	1.01	4.77
92.0	94.0	74537	0.933	0.091	1.11	4.61
94.0	96.0	74538	0.986	0.092	1.52	5.22
96.0	98.0	74539	0.852	0.098	1.50	4.90
98.0	100.0	74540	0.780	0.071	1.06	4.95
100.0	102.0	74541	0.531	0.048	0.87	5.69
102.0	104.0	74542	0.716	0.057	1.28	5.63
104.0	106.0	74543	1.076	0.052	2.48	4.28
106.0	108.0	74544	0.823	0.054	1.58	4.83
108.0	110.0	74545	0.544	0.037	1.43	5.07
110.0	112.0	74546	0.486	0.045	1.15	5.13
112.0	114.0	74547	0.494	0.032	1.08	5.00
114.0	116.0	74548	0.629	0.039	1.48	4.92
116.0	118.0	74549	0.530	0.034	1.26	5.14
118.0	120.0	74551	0.782	0.039	1.37	4.89
120.0	122.0	74552	0.576	0.038	1.43	4.86
122.0	124.0	74553	0.753	0.038	1.44	4.39
124.0	126.0	74554	0.686	0.043	1.22	4.59
126.0	128.0	74555	0.779	0.043	1.15	5.59
128.0	130.0	74556	0.873	0.053	1.54	5.38
130.0	132.0	74557	0.718	0.037	1.52	4.75
132.0	134.0	74558	0.740	0.049	1.62	5.51
134.0	136.0	74559	0.720	0.044	1.78	4.60
136.0	138.0	74560	0.828	0.049	1.99	5.11
138.0	140.0	74561	0.577	0.036	1.22	5.15
140.0	142.0	74562	0.614	0.050	0.95	6.32
142.0	144.0	74563	0.784	0.047	1.47	5.43
144.0	146.0	74564	0.634	0.076	0.82	5.00

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
146.0	148.0	74565	0.698	0.064	0.67	4.91
148.0	150.0	74566	0.601	0.066	0.76	4.97
150.0	152.0	74567	0.707	0.070	0.60	5.99
152.0	154.0	74568	0.556	0.075	0.46	5.41
154.0	156.0	74569	0.553	0.103	0.80	5.96
156.0	158.0	74571	0.402	0.087	0.28	5.35
158.0	160.0	74572	0.373	0.078	0.16	5.39
160.0	162.0	74573	0.504	0.265	0.22	6.33
162.0	164.0	74574	0.582	0.327	0.31	6.22
164.0	166.0	74575	0.660	0.281	0.34	5.93
166.0	168.0	74576	0.601	0.085	0.30	4.26
168.0	170.0	74577	0.276	0.127	0.11	4.41
170.0	172.0	74578	0.172	0.131	0.08	3.99
172.0	174.0	74579	0.123	0.081	0.07	4.00
174.0	176.0	74580	0.120	0.085	0.05	4.09
176.0	178.0	74581	0.141	0.103	0.07	4.61
178.0	180.0	74582	0.191	0.052	0.09	3.68
180.0	182.0	74583	0.249	0.043	0.22	4.98
182.0	184.0	74584	0.195	0.053	0.10	5.16
184.0	186.0	74585	0.206	0.038	0.22	4.35
186.0	188.0	74586	0.081	0.051	0.04	4.54
188.0	190.0	74587	0.095	0.044	0.07	5.58
190.0	192.0	74588	0.160	0.060	0.16	4.64
192.0	194.0	74589	0.382	0.181	0.28	3.91
194.0	196.0	74591	0.157	0.029	0.07	4.47
196.0	198.0	74592	0.178	0.025	0.07	4.57
198.0	200.0	74593	0.169	0.027	0.08	6.13

Drillhole Report

MP-01-61

Zone	Springer	**Easting**	1436.6	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3825.5	**Logged By**	C. Wild
		Elevation	1148.7	**Comments**	

Depth	Az	Dip	Survey Type
0.0	78	-45	Head Set
111.6	78	-40.5	Acid Test
200.0	78	-41	Acid Test

Lithology

From	To	LITH	Description
0.0	3.4	Casing	No recovery.
3.4	86.1	Bx	Mixed coarsely mottled pink and grey, locally albitic, blocky bx; a few short sections of both pink and grey bx. Clasts consist of pink and grey monz, variably Kf-altered, sub-rounded to angular, and up to at least 50cm (most 1-20cm) - clast supported. Grades into more massive, darker bx ~86.1m. Alteration consists of strong Kf, weak to strong mag, locally patchy act and vuggy albite. Albite matrix and dark clasts are magnetic but many if fine-grained pink ones are only weakly mag. Some sericite on fractures. Generally weak fine-grained cp-bo, some med-gr bo-cp in mag, occ Cu-oxides on some oxidized (limonitic) fractures below surface oxidation. Mostly weakly fractured. 3.4-15.3 Surface oxidation on most fractures. Mod to strong fracturing with minor limonite, Mn-oxides, hematite, Cu-oxides (mal, azurite, chrysocolla). Pale greenish sericitic or sausseritized, esp fractures. 3.4-45.0 Vuggy, albitic, coarse blocky bx. Weakly mineralized, weakly oxidized, Mn-oxides, occ Cu-oxides. 21.1 Minor fault; 5-10cm of fine rubble. 39.8-40.0 Minor fault; hem & chl slickensides @ 40 to c.a. Minor gouge and sheared rubble. 40.3-41.4 Strong, weakly oxidized fracture zone. No slicks or gouge evident. 42.4-42.6 Oxidized rubble. 43.4-43.8 Minor fault; weakly sheared and oxidized rubble. Lim + Cu-oxides. 45.0-65.0 More massive pink & grey coarse blocky bx, lacking pale albitic matrix, incr act. Notable increase in cp-bo (mod), assoc with more consistent mag. 65.0-70.3 Quite uniform, pale pinkish-grey, fine-grained to weakly por. Str mag with apparent f-gr cp-bo. 70.3-76.1 Pink and grey, albitic, blocky bx, as before. Upper contact zone marked by low angle calcite veining, min hem. Weak mag-cp-bo. 76.1-86.1 Darker pink & grey bx as 45.0-65.0m. Increased mag-cp-bo.
86.1	92.2	Bx	Pink, fine grained with a few grey clasts in fine pink matrix and diffuse block or altn boundaries. Strong Kf, mod-str mag, min act; overall strong potassic altn. Mineralization consists of moderate fine-grained cp-bo, assoc with mag. Hard, weakly fractured. Lower conact marked by calcite-albite vnlts @ 10-20 to c.a
92.2	109.5	Bx	Darker grey-pink, fine-grained to weakly plag por, massive-looking bx. Blocks or clasts are not discernible. Alteration consists of stringers and patches of Kf, strong mag and numerous low-angle actinolite vnlts 1-5mm thick. Increased (mod) fine to blebby cp-bo assoc with str mag, diss and in vnlts, not evenly distributed. Unit is very hard and relatively unfractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.4	6.0	74594	0.372	0.284	0.40	5.72
6.0	8.0	74595	0.240	0.181	0.22	5.75
8.0	10.0	74596	0.297	0.230	0.29	5.76
10.0	12.0	74597	0.223	0.166	0.22	4.83
12.0	14.0	74598	0.250	0.153	0.17	4.70
14.0	16.0	74599	0.177	0.057	0.15	4.96
16.0	18.0	74600	0.135	0.101	0.20	4.45
18.0	20.0	74601	0.214	0.110	0.20	7.10
20.0	22.0	74602	0.115	0.055	0.11	4.82
22.0	24.0	74603	0.231	0.165	0.20	5.19
24.0	26.0	74604	0.168	0.090	0.13	4.66
26.0	28.0	74605	0.194	0.059	0.07	5.36
28.0	30.0	74606	0.276	0.055	0.14	5.90
30.0	32.0	74607	0.209	0.090	0.12	4.97
32.0	34.0	74608	0.172	0.127	0.13	4.99
34.0	36.0	74609	0.225	0.188	0.26	5.64
36.0	38.0	74611	0.176	0.148	0.17	5.22
38.0	40.0	74612	0.287	0.178	0.15	6.83
40.0	42.0	74613	0.283	0.270	0.21	5.07
42.0	44.0	74614	0.190	0.138	0.13	5.21
44.0	46.0	74615	0.165	0.064	0.16	4.46
46.0	48.0	74616	0.127	0.019	0.05	6.76
48.0	50.0	74617	0.179	0.050	0.13	5.14
50.0	52.0	74618	0.181	0.026	0.13	5.27
52.0	54.0	74619	0.156	0.044	0.17	5.44
54.0	56.0	74620	0.387	0.034	0.13	5.53
56.0	58.0	74621	0.237	0.024	0.16	4.07
58.0	60.0	74622	0.163	0.058	0.11	5.60
60.0	62.0	74623	0.138	0.043	0.09	6.26
62.0	64.0	74624	0.191	0.099	0.14	5.86

Lithology

From	To	LITH	Description
109.5	115.2	Bx	Pink fine-grained, massive-looking with scattered dark grey monz-dr-volc clasts. Strong Kf, weak to mod mag, act. Weak cp-bo. Calcite vnlts @ 20 to c.a. cut mag-act-cp-bo vnlts, also @ 20 to c.a. Core still only weakly fractured. 114.4-115.2 Kf intensity weakens.
115.2	118.7	Bx	Grey, fine-grained to weakly por, hosting faint grey clasts. Transitional contacts over a few cm's, orient difficult to determine. Alteration consists of a weak network of mag-act-KF vnlts with Kf extending into the host <1cm selvage. Vnlts @ 20-30 to c.a. Mod cp-bo in and adjacent to mag-act-Kf vnlts, diss into bx matrix. Moderately fractured.
118.7	125.9	Bx	Pink bx, as above. 118.7-119.3 Act-mt vnlt, occ blebby cp, min diss cp-bo in host pink matrix; assoc calcite stockwork. 123.7-124.0 Minor shear zone, a few hem slips and cal vnlts, sericitic, rubbly.
125.9	128.2	Bx	Grey bx, as above, mod fine-grained cp-bo. Almost unfractured interval.
128.2	133.1	Bx	Pink bx, as above, with act-mt vnlts @ 10 to c.a., with assoc weak cp-bo. Lower contact defined by Kf selvage on mag-act vnlt @ 35 to c.a. 131.8-133.0 Calcite stwk, 10-30 to c.a., assoc with and crosscutting act-mt vnlts.
133.1	151.7	Bx	Grey-pink bx, more pink than before. Strong network of Kf and pink intrusion bx matrix with dark grey clasts gives strong bx texture, locally grading to massive "pink" bx. Dark sections host stronger mag with more assoc cp-bo. 136.0-136.8 Calcite stwk. 137.2-143.3 Notable increase in cp-bo, erratic distribution.
151.7	153.9	Bx	Grey bx, as above; weak network of Kf vnlts, minor f-gr cp-bo. Irregular, transitional contacts - gradational.
153.9	200.0	Bx	Massive, pink intrusion bx with < 10% angular to subrounded clasts of grey monz/dr/volc in uniform f-gr to weakly por matrix. Low energy bx with little apparent hydrothermal bx. Uniform throughout interval. Weak to spotty magnetite, diss and in occasional vnlts, min act. Very f-gr diss cp-bo; difficult to estimate grade. Fractures are often chloritic, occ with MnO2 dendrites and lim, esp around fracture zone noted below. Fracturing is weak to moderate, occ narrow calcite stwks. 161.0-166.5 Mod fractured, local thin rubbly zones; weakly oxidized.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
64.0	66.0	74625	0.196	0.050	0.14	6.96
66.0	68.0	74626	0.064	0.009	0.05	6.13
68.0	70.0	74627	0.189	0.082	0.17	4.31
70.0	72.0	74628	0.195	0.079	0.07	4.24
72.0	74.0	74629	0.136	0.103	0.06	5.99
74.0	76.0	74631	0.133	0.085	0.04	4.69
76.0	78.0	74632	0.151	0.052	0.08	4.81
78.0	80.0	74633	0.171	0.025	0.06	5.37
80.0	82.0	74634	0.164	0.026	0.08	4.25
82.0	84.0	74635	0.250	0.041	0.19	4.90
84.0	86.0	74636	0.261	0.043	0.12	3.29
86.0	88.0	74637	0.142	0.025	0.10	3.23
88.0	90.0	74638	0.127	0.018	0.07	3.27
90.0	92.0	74639	0.185	0.032	0.11	3.46
92.0	94.0	74640	0.184	0.028	0.14	4.83
94.0	96.0	74641	0.191	0.028	0.15	6.52
96.0	98.0	74642	0.312	0.053	0.31	8.39
98.0	100.0	74643	0.249	0.036	0.22	8.25
100.0	102.0	74644	0.232	0.041	0.19	7.38
102.0	104.0	74645	0.198	0.035	0.13	8.98
104.0	106.0	74646	0.423	0.060	0.35	6.80
106.0	108.0	74647	0.250	0.039	0.22	6.77
108.0	109.5	74648	0.340	0.060	0.29	7.21
109.5	111.4	74649	0.280	0.147	0.26	2.65
111.4	113.3	74651	0.210	0.040	0.11	3.58
113.3	115.2	74652	0.251	0.131	0.21	3.06
115.2	117.0	74653	0.166	0.039	0.15	7.37
117.0	118.7	74654	0.255	0.038	0.22	5.21
118.7	120.5	74655	0.125	0.023	0.08	3.63
120.5	122.3	74656	0.198	0.032	0.16	3.17
122.3	124.1	74657	0.163	0.046	0.11	3.54
124.1	125.9	74658	0.201	0.032	0.15	2.93
125.9	128.2	74659	0.094	0.015	0.06	5.21
128.2	129.9	74660	0.081	0.030	0.04	2.53
129.9	131.5	74661	0.082	0.014	0.02	3.75
131.5	133.1	74662	0.072	0.032	0.04	2.49
133.1	135.0	74663	0.291	0.040	0.31	2.90
135.0	137.0	74664	0.176	0.061	0.44	2.08
137.0	139.0	74665	0.407	0.039	0.63	4.31
139.0	141.0	74666	0.274	0.032	0.48	6.35
141.0	143.0	74667	0.326	0.035	0.56	6.13
143.0	144.8	74668	0.167	0.027	0.17	3.21

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
144.8	146.6	74669	0.210	0.028	0.26	5.31
146.6	148.3	74671	0.146	0.024	0.16	3.31
148.3	150.0	74672	0.151	0.071	0.17	3.72
150.0	151.7	74673	0.270	0.042	0.28	4.45
151.7	153.9	74674	0.247	0.032	0.28	6.24
153.9	156.0	74675	0.181	0.023	0.36	2.15
156.0	158.0	74676	0.172	0.030	0.28	1.99
158.0	160.0	74677	0.057	0.031	0.09	1.82
160.0	162.0	74678	0.134	0.093	0.29	2.24
162.0	164.0	74679	0.094	0.063	0.27	1.82
164.0	166.0	74680	0.059	0.034	0.21	1.85
166.0	168.0	74681	0.054	0.032	0.11	1.62
168.0	170.0	74682	0.124	0.091	0.32	2.29
170.0	172.0	74683	0.123	0.067	0.39	2.10
172.0	174.0	74684	0.105	0.061	0.20	2.11
174.0	176.0	74685	0.110	0.052	0.34	2.08
176.0	178.0	74686	0.099	0.022	0.21	1.64
178.0	180.0	74687	0.047	0.010	0.08	1.35
180.0	182.0	74688	0.066	0.017	0.10	1.32
182.0	184.0	74689	0.040	0.010	0.08	1.52
184.0	186.0	74691	0.023	0.004	0.04	1.74
186.0	188.0	74692	0.102	0.020	0.12	1.92
188.0	190.0	74693	0.200	0.038	0.29	1.45
190.0	192.0	74694	0.233	0.036	0.32	1.36
192.0	194.0	74695	0.179	0.032	0.26	1.41
194.0	196.0	74696	0.217	0.046	0.34	1.35
196.0	198.0	74697	0.176	0.032	0.29	1.23
198.0	200.0	74698	0.226	0.060	0.34	1.67

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-62

Zone	Springer	**Easting**	1540.9	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3665.5	**Logged By**	C. Wild
		Elevation	1202.1	**Comments**	

Depth	Az	Dip	Survey Type
0.0	350	-60	Head Set
84.1	350	-55.5	Acid Test
200.0	350	-56.5	Acid Test

Lithology

From	To	LITH	Description
0.0	1.8	Casing	No recovery.
1.8	2.6	Ovbn	Mixed rounded boulders of grey plag porphyry and pink to white vuggy albite bx.
2.6	3.3	PPg	Medium to dark grey, massive-looking dyke; fine-grained porphyritic with mm-size round sausseritized plagioclase phenos that constitute up to 30% of the unit. Lower contact @ 25 to c.a. Weak Kf stringers but strongly magnetic. No apparent mineralization. Weakly fractured. Possibly a large block in albite bx.
3.3	5.5	Bx	Pale grey to pink, vuggy albite bx with coarse blocks up to several 10's of cm's, clast-supported in a cream-coloured albite-magnetite-Kf-calcite matrix. Minor Cu-oxides, mainly malachite are apparent on fractures with limonite-hematite-Mnoxides. Moderately fractured.
5.5	8.5	PPg	Grey plag porphyry, as above. Weak Kf, strongly magnetic. Fractured at contacts. 6.3-6.4 "Inclusion" of pink bx, very weak chill margin.
8.5	48.6	Bx	Pink and white, weakly mottled to strongly albitic blocky bx. Mainly clast-supported, angular to sub-rounded, in cream-coloured albite-mag-Kf matrix. Mod to strong fracturing with common limonite, hematite, Mn-oxides, and minor Cu-oxides (mainly malachite); sulphides leached. Pink clasts are generally weakly mag, matrix and grey clasts are moderately mag. 31.0-31.3 15cm albite matrix with fine pink clasts followed by a very sharp block boundary. Unlikely a dyke contact.
48.6	51.7	Lamp Dyke / Fa	Strongly sheared, gougy contacts, apparently at low angle to c.a., likely marking a significant fault. Dyke is dark green, fine-grained to weakly porphyritic, soft and locally crumbly, esp along low angle chl-hem shears. 49.9-50.3 Sliver of pink, albite bx; sheared contacts with dyke.
51.7	67.5	Bx	Mottled pinkish polymictic albite bx, as above. Below dyke, core is much less fractured and more competent. Increased Cu-oxides on fractures and in matrix. Fractures also host limonite (goethite), Mn-oxides, and less hem. 59.5-59.8 Sericitic and oxidized, with malachite. Rubble. 66.0-66.6 Strong Cu-oxides, mainly mal, on fractures and in vuggy veinlets.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
1.8	3.3	74699	0.189	0.101	0.08	5.67
3.3	5.5	74700	0.369	0.289	0.11	5.76
5.5	8.5	74701	0.187	0.117	0.10	5.29
8.5	10.5	74702	0.200	0.144	0.13	3.55
10.5	12.5	74703	0.435	0.340	0.42	5.13
12.5	14.5	74704	0.195	0.162	0.12	2.45
14.5	16.5	74705	0.329	0.271	0.30	4.88
16.5	18.5	74706	0.360	0.245	0.14	8.20
18.5	20.5	74707	0.411	0.257	0.37	6.26
20.5	22.5	74708	0.283	0.164	0.15	4.64
22.5	24.5	74709	0.250	0.125	0.13	5.91
24.5	26.5	74711	0.291	0.196	0.11	6.82
26.5	28.5	74712	0.203	0.147	0.06	5.52
28.5	30.5	74713	0.168	0.095	0.06	5.37
30.5	32.5	74714	0.174	0.095	0.11	6.16
32.5	34.5	74715	0.301	0.234	0.38	5.99
34.5	36.5	74716	0.386	0.263	0.61	7.02
36.5	38.5	74717	0.338	0.258	0.57	5.54
38.5	40.5	74718	0.247	0.186	0.31	5.04
40.5	42.5	74719	0.203	0.130	0.20	4.39
42.5	44.5	74720	0.241	0.139	0.27	4.90
44.5	46.5	74721	0.282	0.188	0.49	6.09
46.5	48.6	74722	0.249	0.189	0.28	5.39
48.6	51.7	74723	0.062	0.041	0.04	5.91
51.7	53.5	74724	0.198	0.138	0.17	6.01
53.5	55.5	74725	0.195	0.146	0.11	5.65
55.5	57.5	74726	0.210	0.127	0.11	5.75
57.5	59.5	74727	0.410	0.318	0.32	5.07
59.5	61.5	74728	0.215	0.170	0.06	6.53
61.5	63.5	74729	0.280	0.237	0.10	4.49

Lithology

From	To	LITH	Description
67.5	68.9	AP	Dark green, fine-grained, soft, highly chloritized AP dyke. Augite phenos completely chl, possible olivine, now chl, epi. Weak clay-hem slip at upper contact @ 40 to c.a. Lower contact at end of run, @ 45 to c.a.. Some chilling in lower bx.
68.9	175.4	Bx	Pink to grey, hard, massive-looking, generally fine-grained, weak intrusion bx with occasional pale to medium grey, medium-grained monzonite clasts most easily seen in pinker sections. Pink sections get fewer and narrower downhole. Alteration consists of a Kf stringer stockwork (locally resembles a web), strongest around magnetite veinlets, stockworks, and disseminations; moderate to strong magnetite with associated moderate actinolite. Mineralization is fine-grained cp-bo, erratically distributed but highest associated with magnetite-rich zones. Weaker near top where fracturing and oxidiation are higher. Appears to increase between 75-78m. Fracture density drops around 75m to very low. 68.9-69.7 Pinker, fine-grained, moderately fractured and oxidized. 68.7-70.5 Grey, medium-grained plag porphyritic bx. 70.5-71.3 Grades back to finer pink bx. 71.3-72.7 Oxidized pinkish-grey, coarser porphyritic bx. 72.7-73.0 Fault; gougy shear zone, minor structure @ 55-60 to c.a., no rubble. 73.0-75.6 Medium pink-grey, good bx textures, decreasing oxidation, moderate fracturing. 75.6-78.0 Grey-pink porphyritic bx; moderate fracturing with calcite stringers. 78.0-81.0 Greyish-pink; decreasing fracturing and oxidation. 96.5-110.6 Somewhat pinker but massive-looking with clearly visible monzonitic clasts. 113.1-114.2 Pinker section, as above. 117.7-121.7 Pinker section, as above. 140.0-141.0 Pinker section, as above. 152.5-152.7 Pinker section, as above.
175.4	200.0	Bx	Pink, white, grey mottled coarse blocky albite bx. Blocks range up to 10's of cm's in increasingly albitic cream matrix. Some blocks are intrusion bx, most are fine-grained pink and grey monz. "Sponge" bx texture becomes more pronounced and blocks become greyer toward bottom. Alteration changes from mod Kf-str mag (act) to albite-mag (min act). Mineralization continues to bottom of hole, although cp-bo appears to increase from weak to moderate ~ 188m. Cp-bo is usually fine-grained with occasional intergrown blebs. 181.6-182.0 Increase in calcite veining and corresponding fracturing. 188.9 Bx becomes quite vuggy - "spongy". 193.3 Bx becomes darker grey, more magnetic with an apparent increase in cp-bo. Bo-rich.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
63.5	65.5	74731	0.277	0.206	0.12	5.27
65.5	67.5	74732	0.530	0.387	0.50	5.36
67.5	68.9	74733	0.011	0.004	0.01	5.66
68.9	71.0	74734	0.245	0.177	0.27	4.80
71.0	73.0	74735	0.290	0.211	0.29	5.35
73.0	75.0	74736	0.201	0.128	0.06	4.84
75.0	77.0	74737	0.311	0.037	0.10	4.52
77.0	79.0	74738	0.474	0.034	0.14	5.12
79.0	81.0	74739	0.879	0.079	0.33	4.87
81.0	83.0	74740	0.311	0.035	0.15	3.73
83.0	85.0	74741	0.464	0.066	0.30	4.21
85.0	87.0	74742	0.345	0.030	0.20	5.94
87.0	89.0	74743	0.602	0.058	0.19	6.34
89.0	91.0	74744	0.293	0.013	0.19	5.50
91.0	93.0	74745	0.161	0.009	0.07	4.79
93.0	95.0	74746	0.112	0.007	0.05	3.98
95.0	97.0	74747	0.396	0.046	0.08	5.37
97.0	99.0	74748	0.579	0.061	0.22	6.15
99.0	101.0	74749	0.481	0.051	0.19	5.57
101.0	103.0	74751	0.607	0.063	0.17	4.69
103.0	105.0	74752	0.602	0.053	0.18	3.00
105.0	107.0	74753	0.477	0.045	0.23	4.24
107.0	109.0	74754	0.672	0.055	0.28	4.86
109.0	111.0	74755	0.700	0.053	0.31	4.80
111.0	113.0	74756	0.545	0.054	0.53	4.64
113.0	115.0	74757	0.931	0.071	0.77	4.23
115.0	117.0	74758	0.667	0.069	0.60	5.09
117.0	119.0	74759	0.806	0.066	0.86	4.83
119.0	121.0	74760	0.803	0.069	0.92	4.60
121.0	123.0	74761	0.656	0.055	0.61	5.29
123.0	125.0	74762	0.723	0.069	0.99	5.11
125.0	127.0	74763	0.429	0.045	0.82	5.11
127.0	129.0	74764	0.505	0.050	1.22	4.98
129.0	131.0	74765	0.502	0.045	1.27	4.89
131.0	133.0	74766	0.358	0.039	1.06	5.20
133.0	135.0	74767	0.501	0.048	1.58	5.12
135.0	137.0	74768	0.703	0.052	2.70	5.05
137.0	139.0	74769	0.665	0.054	2.92	5.15
139.0	141.0	74771	0.741	0.050	3.31	3.92
141.0	143.0	74772	0.605	0.049	2.06	4.86
143.0	145.0	74773	0.768	0.046	2.08	4.86
145.0	147.0	74774	0.526	0.049	1.22	5.19

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
147.0	149.0	74775	0.423	0.035	0.78	4.94
149.0	151.0	74776	0.528	0.045	0.93	4.86
151.0	153.0	74777	0.432	0.035	0.67	4.88
153.0	155.0	74778	0.599	0.048	0.64	5.37
155.0	157.0	74779	0.628	0.042	0.58	5.19
157.0	159.0	74780	0.699	0.057	0.65	4.96
159.0	161.0	74781	0.753	0.052	0.55	4.68
161.0	163.0	74782	0.819	0.061	0.63	4.81
163.0	165.0	74783	0.518	0.049	0.42	6.18
165.0	167.0	74784	0.529	0.048	0.41	4.99
167.0	169.0	74785	0.622	0.047	0.34	5.66
169.0	171.0	74786	0.586	0.055	0.20	5.82
171.0	173.0	74787	0.551	0.053	0.14	5.95
173.0	175.0	74788	0.433	0.043	0.18	5.37
175.0	177.0	74789	0.250	0.042	0.12	4.46
177.0	179.0	74791	0.188	0.039	0.14	4.67
179.0	181.0	74792	0.135	0.025	0.09	5.73
181.0	183.0	74793	0.153	0.028	0.08	4.87
183.0	185.0	74794	0.187	0.033	0.11	4.63
185.0	187.0	74795	0.204	0.034	0.14	4.88
187.0	189.0	74796	0.199	0.037	0.16	8.05
189.0	191.0	74797	0.193	0.030	0.12	6.77
191.0	193.0	74798	0.143	0.018	0.11	6.81
193.0	195.0	74799	0.223	0.038	0.14	6.43
195.0	197.0	74800	0.323	0.038	0.24	7.88
197.0	198.5	74801	0.189	0.025	0.18	7.97
198.5	200.0	74802	0.407	0.045	0.44	9.74

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Drillhole Report

MP-01-63

Zone	Springer	**Easting**	1446.2	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3661.8	**Logged By**	C. Wild
		Elevation	1176.8	**Comments**	

Depth	Az	Dip	Survey Type
0.0	90	-45	Head Set
126.8	90	-42	Acid Test
200.0	90	-41	Acid Test

Lithology

From	To	LITH	Description
0.0	0.9	Casing	No recovery.
0.9	3.1	PPg/Bx	Pale grey to pink, fine-grained to strongly porphyritic with minor breccia. Plagioclase phenocrysts are 1-2mm long, oval to tabular, seriate, weakly sausseritized, and constitute 20-25% of unit. Weak Kf-flooding into matrix with minor breccia along associated with Kf veining. Consistently moderately magnetic. Possibly some minor fine-grained sulphides associated with magnetite. Section is mainly rubble.
3.1	3.8	AP	Dark green, fine-grained and weakly augite porphyritic. Highly sheared and fractured, rubbly; contact relations unknown.
3.8	41.1	PPg/Bx	As above; strong plagiocalse porphyry, grey with weakly Kf-flooded zones and minor associated breccia; sausseritized phenos and matrix.. Continues moderately magnetic. Occasional Cu-oxides, mainly malachite, on fractures, possible minor fine-grained sulphides associate with magnetite. More fractured in Kf-flooded zones - grey porphyry is only weakly fractured. 4.3-4.4 13cm zone of Kf-mag veining and resulting breccia. Magnetite forms blebs and irregular vnlts, possibly with minor very fine-grained bo. 9.0 1mm bleb of malachite in matrix of a weak Kf stockwork breccia. 10.6-10.8 Kf-mag patch, weak breccia. 11.0-17.3 Grey plag por, realtively fresh and unfractured. 17.3-23.2 Pink, Kf-flooded zone, locally brecciated. Moderately fractured with abundant sericite, lesser limonite and fine dendritic Mn-oxides, hematite, and occasional Cu-oxides (malachite). Weak calcite. Looks leached. 23.2-41.1 Weakly pink grey plag por. Increasing monzonitic clasts in grey PP matrix - intrusion bx, esp below 36.2m. Malachite is somewhat more common on fractures and in vuggy calcite vnlts (26.4, 35.6, 38.4m).
41.1	55.2	Bx	Gradational contact with pink plagioclase porphyritic breccia. Porphyry is flooded with Kf and albite resulting in stockwork, locally vuggy breccia. Moderate to strong magnetite. Moderately oxidized with sericite-limonite (goethite), Mn-oxides and Cu-oxides on many fractures. Malachite also occurs in albite vugs. Interval is mderately fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
0.9	3.0	74803	0.126	0.094	0.11	5.14
3.0	5.5	74804	0.096	0.069	0.07	7.01
5.5	8.0	74805	0.142	0.107	0.18	8.10
8.0	10.5	74806	0.274	0.231	0.36	7.77
10.5	13.0	74807	0.146	0.077	0.07	6.89
13.0	15.5	74808	0.134	0.084	0.13	8.08
15.5	17.3	74809	0.136	0.094	0.09	8.56
17.3	19.2	74811	0.129	0.098	0.11	6.06
19.2	21.2	74812	0.103	0.068	0.05	3.91
21.2	23.2	74813	0.246	0.205	0.27	5.28
23.2	26.0	74814	0.174	0.106	0.08	5.77
26.0	28.5	74815	0.201	0.115	0.19	6.11
28.5	31.0	74816	0.177	0.064	0.15	5.67
31.0	33.5	74817	0.092	0.023	0.06	4.32
33.5	36.0	74818	0.153	0.090	0.20	5.81
36.0	38.5	74819	0.190	0.033	0.21	5.70
38.5	41.1	74820	0.171	0.091	0.17	5.89
41.1	43.0	74821	0.173	0.091	0.19	6.57
43.0	45.0	74822	0.234	0.162	0.27	6.60
45.0	47.0	74823	0.287	0.246	0.29	5.47
47.0	48.6	74824	0.446	0.394	0.51	6.19
48.6	50.2	74825	0.356	0.317	0.28	6.08
50.2	51.9	74826	0.385	0.345	0.51	5.07
51.9	53.6	74827	0.505	0.311	0.54	6.14
53.6	55.2	74828	0.413	0.328	0.64	6.00
55.2	57.5	74829	0.251	0.161	0.24	6.35
57.5	59.5	74831	0.417	0.353	0.37	5.67
59.5	61.5	74832	0.207	0.122	0.21	6.04
61.5	63.3	74833	0.406	0.316	0.55	5.19
63.3	65.1	74834	0.191	0.067	0.19	6.59

Lithology

From	To	LITH	Description
55.2	76.4	PPg/Bx	Pink to grey, less obviously brecciated with good porphyritic texture throughout. Weaker Kf, minor albite, continuing moderately magnetic. Remains oxidized on fractures but with less limonite and Cu-oxides. Sericitic, esp in fracture zones. 60.3-61.0 Strong sericitic fracturing, rubbly. 61.0-63.4 Pink, Kf-flooded, not strongly brecciated. 63.4-73.4 Moderately pink, fractured (63.4-63.7, 64.0-64.4m) 73.4-76.4 Grey plag porphyry.
76.4	118.4	Bx	Heterogeneous, pink-grey to mottled (mainly "sponge") breccia with porphyritic sections, obvious intrusion breccia, and zones of strong hydrothermal brecciation. Cu-oxides relatively common in different breccia subtypes. Kf is strong, variable albite, actinolite, and magnetite. 76.4-79.4 Pink, gradational with plag por. 79.4-80.1 Dark grey, weakly oxidized, first fine-grained cp-bo diss with magnetite. 80.1-92.6 Pink and pale greenish-grey mottled bx; much less magnetite, more oxidized, rare sulphides. Cu-oxides, mainly malachite, more common. 92.6-96.0 Grey bx, as above. 96.0-118.4 Dark grey and pink, strongly mottled, blocky bx. More oxidized, Cu-oxides (malachite, chrysocolla) common on fractures, vnlts, and along block boundaries. A few fine-grained sulphides (cp-bo) likely with disseminated magnetite. Minor vuggy albite increasing with increasing block size. Locally moderately fractured. 109.7-111.5 Sericitic fracture zone. 114.0-114.8 Limonitic fracture zone. 116.7-117.3 Strong Cu-oxides in calcite vugs and on fractures. 117.5-117.8 Sericitic fracture zone. 118.2-118.4 Very strongly fractured contact with dacite dyke; likely a fault.
118.4	123.5	Dacite	Pale brownish-grey, fine to med -grained, plag porphyritic monzonite. Uniform, weakly altered, unmineralized dyke, cut by late calcite vnlts @ 60 & 75 to c.a. Both contacts are obscured by intense fracturing, no obvious chill margins. Dyke is hard and moderately to well-fractured. 120.7-121.4 Intensely fractured, strongly sericitic. 122.1-123.5 Hematitic shear planes @ 0-10 to c.a.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
65.1	66.9	74835	0.122	0.046	0.14	6.17
66.9	68.7	74836	0.233	0.079	0.20	6.13
68.7	70.5	74837	0.427	0.306	0.54	7.27
70.5	72.3	74838	0.440	0.223	0.58	6.90
72.3	74.3	74839	0.346	0.159	0.45	6.41
74.3	76.4	74840	0.141	0.064	0.14	5.91
76.4	78.0	74841	0.274	0.170	0.33	8.44
78.0	80.0	74842	0.210	0.107	0.24	8.86
80.0	82.0	74843	0.409	0.322	0.66	5.46
82.0	84.0	74844	0.348	0.212	0.44	5.90
84.0	86.0	74845	0.439	0.263	0.43	4.84
86.0	88.0	74846	0.162	0.132	0.20	4.62
88.0	90.0	74847	0.179	0.151	0.23	3.99
90.0	92.0	74848	0.236	0.126	0.29	4.20
92.0	94.0	74849	0.269	0.033	0.29	6.55
94.0	96.0	74851	0.257	0.109	0.27	7.54
96.0	98.0	74852	0.336	0.268	0.34	6.25
98.0	100.0	74853	0.509	0.404	0.48	7.54
100.0	102.0	74854	1.178	0.925	0.92	9.49
102.0	104.0	74855	0.387	0.339	0.44	8.41
104.0	106.0	74856	0.466	0.410	0.41	7.34
106.0	108.0	74857	0.343	0.305	0.17	4.77
108.0	110.0	74858	0.264	0.217	0.17	5.97
110.0	112.0	74859	0.182	0.107	0.16	6.07
112.0	114.0	74860	0.231	0.183	0.19	4.76
114.0	116.2	74861	0.198	0.165	0.20	4.04
116.2	118.4	74862	0.250	0.208	0.29	4.21
118.4	120.9	74863	0.010	0.004	0.01	3.78
120.9	123.5	74864	0.022	0.014	0.05	3.85
123.5	125.0	74865	0.290	0.232	0.34	5.04
125.0	126.5	74866	0.512	0.443	0.31	5.11
126.5	128.0	74867	0.567	0.388	0.25	5.27
128.0	130.0	74868	0.692	0.486	0.27	6.10
130.0	132.0	74869	0.482	0.248	0.25	5.84
132.0	134.0	74871	0.264	0.127	0.11	5.96
134.0	136.0	74872	0.260	0.196	0.10	5.40
136.0	138.0	74873	0.388	0.322	0.12	4.42
138.0	140.0	74874	0.333	0.120	0.06	5.04
140.0	142.0	74875	0.315	0.253	0.08	5.31
142.0	144.0	74876	0.124	0.098	0.04	5.72
144.0	146.0	74877	0.329	0.113	0.07	5.83
146.0	148.0	74878	0.305	0.261	0.25	7.18

Lithology

From	To	LITH	Description
123.5	200.0	Bx	Duller grey and pink blocky to mottled breccia; generally strong grey plag porphyry variably flooded with Kf. Weak albite, moderate magnetite & actinolite. Texturally quite uniform over interval. Magnetite is strongest as vnlts within Kf selvages. Mineralization consists of Cu-oxides above 148.6m, with minor fine-grained cp-bo intimately associated with magnetite. Below 148.6m, cp-bo is more obvious, though fine-grained often within magnetite. Occasional coarser cp-bo blebs suggest an overal moderate copper grade. Moderately fractured and oxidized to 148.6m, fracturing becomes quite weak. 123.5-124.5 Fault; strongly fractured, some gouge around 124.3m. 124.5-132.7 Strongly limonitic, pink-orange colour with dark pink cm-size clasts clearly outlined. Cu-oxides, malachite, visible on most fractures - weakly to moderately fractured. 132.7-148.6 Mottled pink and grey bx with clearly visible grey and pink clasts in a moderately pink matrix. Somewhat less limonitic, malachite still relatively common. Fine cp-bo is present but not obvious. Weak to moderate sericitic fractures. 148.6-200.0 Less intense pink, more grey with clear porphyritic texture. Moderate disseminated magnetite with associated fine cp-bo visible on most fractures. Weakly fractured, local weak oxidation. 171.7-172.1 Weak sericitic fracture zone. 177.6-180.7 Dark grey, massive plag porphyry, f-gr cp-bo. 189.8-189.9 Fault; brown, sandy gouge @ 40-50 to c.a., followed by ~1m sericitic (calcite) fracture zone. Calcite-sericite vnlts begin ~0.3m above the fault @ 50-70 to c.a.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
148.0	150.0	74879	0.131	0.052	0.12	7.74
150.0	152.0	74880	0.182	0.010	0.09	5.73
152.0	154.0	74881	0.050	0.003	0.01	5.10
154.0	156.0	74882	0.072	0.007	0.03	6.32
156.0	158.0	74883	0.041	0.004	0.03	5.82
158.0	160.0	74884	0.103	0.033	0.06	5.26
160.0	162.0	74885	0.280	0.155	0.19	4.04
162.0	164.0	74886	0.340	0.028	0.25	7.39
164.0	166.0	74887	0.172	0.014	0.05	5.06
166.0	168.0	74888	0.129	0.006	0.06	5.58
168.0	170.0	74889	0.132	0.035	0.05	7.19
170.0	172.0	74891	-2.000	-2.000	-2.00	-2.00
172.0	174.0	74892	0.073	0.019	0.00	5.88
174.0	176.0	74893	0.142	0.013	0.04	5.95
176.0	178.0	74894	0.100	0.015	0.03	5.65
178.0	180.0	74895	0.061	0.002	0.04	4.73
180.0	182.0	74896	0.088	0.028	0.02	5.09
182.0	184.0	74897	0.175	0.029	0.09	4.88
184.0	186.0	74898	0.067	0.006	0.02	5.94
186.0	188.0	74899	0.294	0.012	0.01	4.73
188.0	190.0	74900	0.096	0.021	0.06	4.20
190.0	192.0	74901	0.068	0.028	0.03	4.46
192.0	194.0	74902	0.176	0.026	0.09	4.58
194.0	196.0	74903	0.217	0.036	0.11	5.55
196.0	198.0	74904	0.156	0.028	0.07	5.80
198.0	200.0	74905	0.133	0.012	0.06	6.20

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Drillhole Report

MP-01-64

Zone	Springer	**Easting**	1438.7	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3781.0	**Logged By**	C. Wild
		Elevation	1159.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	90	-45	Head Set
50.3	90	-42	Acid Test
200.0	90	-41	Acid Test

Lithology

From	To	LITH	Description
0.0	11.0	Casing	No recovery.
11.0	16.0	Bx	Massive purplish-pink, weak plag porphyry matrix, phenos <1mm, with occasional greymonzonite clasts and bright pink to mottled bx blocks. Moderate Kf, weak to mod magnetite-actinolite. One 3mm thick magnetite vnlt. Weakly sericitic fractures, oxidized with limonite, Mn-oxides. No Cu-oxides or sulphides readily apparent.
16.0	31.1	Bx	Pink, lesser grey, mottled bx; clast supported, wide range in clast size and angularity. Grades to more massive and darker ~29.2m. Moderate to somewhat erratic magnetics. Weak to moderate fracturing and oxidation, as above, minor tarnished flecks of cp. Brown, weakly dendritic limonite could be cupiferous goethite.
31.1	32.5	Fault	Clay-sericite-calcite seams and fine rubble with blocks of pink bx (as above). Minor limonite, hematite. Top 5cm seam of clay-hematite, second of clay-sericite. Upper slip plane @ 55 to c.a. Minor faulting continues into below unit.
32.5	40.1	Bx	Pink and grey blocky bx, similar to that above fault but slightly less pink. Matrix is generally grey, clasts pink, both monzonitic. Kf-magnetite is relatively stronger. Increased Cu-oxides, mainly malachite, on fractures. Begin to see fine cp-bo throughout. 33.5-33.9 Fault; clay-sericite-calcite gouge and rubble, similar to above. 38.4 Abundant malachite with lesser oxidizing cp-bo associated with magnetite.
40.1	49.4	Bx	Uniform, massive pink matrix with occasional fine grey monzonite clasts. Very distinctive unit (Pink Bx). Strong Kf, moderate magnetite. Malachite is relatively abundant on fractures, often with limonite. Very fine cp-bo is visible in matrix associated with fine magnetite. Moderate fracturing weakens downsection, calcite stringers common throughout. Upper and lower contacts are not sharp and not sheared and @ ~40 & 30 to c.a., respectively. 42.8-43.0 Minor shear zone.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
11.0	13.5	74906	0.021	0.009	0.01	3.08
13.5	16.0	74907	0.028	0.013	0.01	2.70
16.0	18.0	74908	0.132	0.100	0.06	3.91
18.0	20.0	74909	0.133	0.098	0.12	4.03
20.0	22.0	74911	0.153	0.092	0.01	4.44
22.0	24.0	74912	0.145	0.053	0.06	3.93
24.0	26.0	74913	0.239	0.128	0.29	4.53
26.0	28.0	74914	0.126	0.113	0.08	3.15
28.0	29.5	74915	0.098	0.064	0.04	2.87
29.5	31.1	74916	0.076	0.036	0.03	2.76
31.1	32.5	74917	0.123	0.105	0.06	3.75
32.5	34.0	74918	0.325	0.188	0.07	4.92
34.0	36.0	74919	0.420	0.260	0.26	6.95
36.0	38.0	74920	0.322	0.112	0.15	5.33
38.0	40.1	74921	0.329	0.280	0.30	5.98
40.1	42.0	74922	0.386	0.363	0.46	3.18
42.0	44.0	74923	0.196	0.172	0.20	2.86
44.0	46.0	74924	0.175	0.148	0.24	2.90
46.0	48.0	74925	0.308	0.244	0.63	3.05
48.0	49.4	74926	0.660	0.411	1.04	3.90
49.4	51.0	74927	0.234	0.058	0.19	5.39
51.0	53.0	74928	0.345	0.215	0.24	4.86
53.0	55.0	74929	0.223	0.133	0.01	3.61
55.0	57.0	74931	0.202	0.125	0.01	4.80
57.0	59.0	74932	0.141	0.108	0.02	6.01
59.0	61.0	74933	0.126	0.087	0.01	4.92
61.0	63.0	74934	0.156	0.066	0.02	5.40
63.0	65.0	74935	0.168	0.060	0.10	4.98
65.0	67.0	74936	0.538	0.099	0.32	4.84
67.0	69.0	74937	0.374	0.089	0.18	5.31

Lithology

From	To	LITH	Description
49.4	200.0	Bx	Distinctive grey & pink coarse blocky mottled bx. Mainly fine-grained monzonitic rocks with locally weakly porphyritic sections. Gradually becomes slightly greyer with more wispy Kf in places, very similar to other high-grade breccias. Kf is variable but strong, magnetite occurs as disseminations, blebs, and veinlets throughout. Cp-bo is fine to very fine-grained, disseminated along magnetite (Kf-actinolite) fractures/veinlets and throughout matrix and clasts. In grey monzonite sections, mag-cp-bo appear to be replacing original mafics, up to 5-10% of rock. Actinolite veinlets become larger and more numerous, often associated with magnetite but not enriched with cp-bo. Fracturing is weak with slightly more fractured sections, usually with weak oxidation (minor limonite, malachite). Oxidation is quite strong through fracture zone (54.7-57.2m), then fades. Calcite veinlets and stringers common throughout. Texture and alteration intensity are remarkably consistent to end of hole. 54.7-57.2 Fracture zone; sericite-limonite with minor Cu and Mn-oxides, moderately oxidized. 114.5-122.5 Section more plag porphyritic, medium-grey, less pink.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
69.0	71.0	74938	0.414	0.067	0.21	5.13
71.0	73.0	74939	0.471	0.149	0.25	6.04
73.0	75.0	74940	0.487	0.043	0.27	5.75
75.0	77.0	74941	0.664	0.071	0.39	5.31
77.0	79.0	74942	0.515	0.043	0.26	5.43
79.0	81.0	74943	0.631	0.081	0.27	5.49
81.0	83.0	74944	0.497	0.257	0.27	5.27
83.0	85.0	74945	0.352	0.074	0.20	5.17
85.0	87.0	74946	0.282	0.057	0.13	5.16
87.0	89.0	74947	0.342	0.137	0.14	5.88
89.0	91.0	74948	0.507	0.338	0.25	5.89
91.0	93.0	74949	0.337	0.216	0.24	5.53
93.0	95.0	74951	0.397	0.053	0.26	5.32
95.0	97.0	74952	0.501	0.035	0.19	6.15
97.0	99.0	74953	0.409	0.039	0.20	5.32
99.0	101.0	74954	0.346	0.030	0.18	6.58
101.0	103.0	74955	0.254	0.042	0.13	6.55
103.0	105.0	74956	0.386	0.100	0.16	5.75
105.0	107.0	74957	0.284	0.045	0.10	6.65
107.0	109.0	74958	0.176	0.022	0.04	6.94
109.0	111.0	74959	0.259	0.028	0.13	6.12
111.0	113.0	74960	0.171	0.021	0.06	5.96
113.0	115.0	74961	0.223	0.029	0.07	6.57
115.0	117.0	74962	0.222	0.038	0.14	6.15
117.0	119.0	74963	0.184	0.021	0.05	5.38
119.0	121.0	74964	0.130	0.009	0.09	4.03
121.0	123.0	74965	0.148	0.008	0.03	5.08
123.0	125.0	74966	0.117	0.005	0.03	4.26
125.0	127.0	74967	0.416	0.034	0.35	4.16
127.0	129.0	74968	0.224	0.022	0.10	4.71
129.0	131.0	74969	0.252	0.024	0.14	5.77
131.0	133.0	74971	0.277	0.026	0.11	4.41
133.0	135.0	74972	0.127	0.011	0.07	3.59
135.0	137.0	74973	0.122	0.010	0.08	4.18
137.0	139.0	74974	0.312	0.028	0.21	5.82
139.0	141.0	74975	0.985	0.068	0.94	4.78
141.0	143.0	74976	0.283	0.031	0.30	6.09
143.0	145.0	74977	0.227	0.013	0.21	4.77
145.0	147.0	74978	0.195	0.011	0.19	4.98
147.0	149.0	74979	0.166	0.008	0.07	5.80
149.0	151.0	74980	0.390	0.022	0.15	5.75
151.0	153.0	74981	0.472	0.028	0.17	5.90

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
153.0	155.0	74982	0.162	0.010	0.12	5.48
155.0	157.0	74983	0.193	0.022	0.24	5.11
157.0	159.0	74984	0.300	0.043	0.16	5.41
159.0	161.0	74985	0.291	0.047	0.13	5.04
161.0	163.0	74986	0.299	0.043	0.18	5.24
163.0	165.0	74987	0.588	0.072	0.30	4.95
165.0	167.0	74988	0.175	0.026	0.06	5.86
167.0	169.0	74989	0.333	0.038	0.14	6.58
169.0	171.0	74991	0.300	0.044	0.13	5.59
171.0	173.0	74992	0.419	0.037	0.16	5.66
173.0	175.0	74993	0.472	0.065	0.23	6.22
175.0	177.0	74994	0.788	0.085	0.52	5.20
177.0	179.0	74995	0.297	0.045	0.26	4.73
179.0	181.0	74996	0.194	0.027	0.10	5.49
181.0	183.0	74997	0.218	0.046	0.17	5.72
183.0	185.0	74998	0.254	0.052	0.24	5.64
185.0	187.0	74999	0.169	0.037	0.15	5.25
187.0	189.0	75000	0.229	0.047	0.24	4.61
189.0	191.0	75001	0.234	0.031	0.23	5.14
191.0	193.0	75002	0.198	0.026	0.23	4.66
193.0	195.0	75003	0.165	0.034	0.17	4.58
195.0	197.0	75004	0.196	0.030	0.23	4.25
197.0	198.5	75005	0.177	0.029	0.42	4.44
198.5	200.0	75006	0.202	0.037	0.34	5.17

Drillhole Report

MP-01-65

Zone	Springer	**Easting**	1730.4	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3361.1	**Logged By**	C. Wild
		Elevation	1150.9	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
50.6	270	-42	Acid Test
200.0	270	-42	Acid Test

Lithology

From	To	LITH	Description
0.0	3.7	Casing	No recovery.
3.7	9.8	Bx	Pink, strongly mottled hydrothermal bx, angular to subrounded clast-supported PP blocks in Kf-albite matrix. Blocks vary from < 1cm to >10cm in size. Strong Kf-flooding minor albite, weak to moderate magnetite, no actinolite noted. Well-fractured, strongly oxidized with minor limonite, hematite, Mn-oxides, and weak chrysocolla. Sericite-calcite common on fractures.
9.8	12.3	AP	Broken upper contact, medium green-grey dyke with well-developed chloritized augite phenos to 2mm. Lower contact @ 60-70 to c.a., 2cm offset along healed fracture @ 5 to c.a. Dyke is clearly post-alteration and post-mineralization. 10.5 Fault; 5cm gougy slip @ 40 to c.a. 10.9 Fault; 5cm broen clay gouge. 11.9 Fault; 2-3cm brown-green clay gouge @ 45 to c.a., competent wall rock.
12.3	13.4	Bx	As above, somewhat finer clasts, same mottled appearance. Weakly fractured.
13.4	14.0	Fault	Dark grey AP dyke, mainly gouge and rubble. Both contacts @ 70 to c.a. (dyke rubble, clay gouge on bx wallrock).
14.0	19.6	Bx	As above. More obviously albitic with numerous vuggy block boundaries. Minor Cu-oxides, mainly chrysocolla.
19.6	19.8	Fault	Minor gougy fault along upper contact of dyke. Clay-hematite slickensides @ 75 to c.a.
19.8	26.8	Monz Dyke	Grey-weakly pink, weak to moderately porphyritic with faint grey plag phenos and 2-3mm round spots that look like grey monzonite drops in pinkish groundmass. Dyke is weakly altered (deuteric Kf) and post-mineral. Dyke includes xenoliths of pink bx (20.0, 21.0m) and fine-grained dark volcanic (23.0-23.1m). Limited fracturing, minor limonite, Mn-oxide. Lower contact is steep to c.a., unsheared but somewhat diffuse likely due to chilling.
26.8	47.7	Bx	Similar to above dyke, somewhat coarser blocks. Blocks are fine-grained to weakly porphyritic, pink monzonite, mottled in pale grey and pink albitic matrix. Not obviously vuggy. Strong Kf, moderate to strong magnetite and albite, occasional mag veinlets. Cu-oxides, particularly chrysocolla, on numerous fractures. Well-oxidized, weak to moderate fracturing. Sulphides appear to be lacking.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.7	5.7	75007	0.340	0.262	0.92	6.52
5.7	7.7	75008	0.330	0.234	0.17	4.85
31.0	33.0	75023	0.340	0.287	0.39	9.22
33.0	35.0	75024	0.360	0.314	0.30	6.47
35.0	37.0	75025	0.480	0.429	0.59	7.22
37.0	39.0	75026	0.480	0.407	0.56	6.30
39.0	41.0	75027	0.370	0.324	0.39	6.72
41.0	43.0	75028	0.420	0.362	0.46	7.76
43.0	44.6	75029	0.360	0.281	0.38	5.74
44.6	46.2	75030	0.600	0.545	0.63	6.63
46.2	47.7	75031	0.400	0.365	0.29	4.80
47.7	48.1	75032	0.020	0.011	0.02	8.56
48.1	50.0	75033	0.350	0.284	0.30	7.48
50.0	52.0	75034	0.350	0.287	0.22	6.94
52.0	54.0	75035	0.190	0.094	0.14	4.87
54.0	56.0	75036	0.320	0.185	0.29	7.35
56.0	58.0	75037	0.340	0.238	0.26	6.68
58.0	59.7	75038	0.420	0.314	0.62	7.01
59.7	61.4	75039	0.360	0.318	0.40	6.02
61.4	63.1	75040	0.490	0.425	0.28	6.94
63.1	65.2	75042	0.060	0.033	0.03	8.11
65.2	67.2	75043	0.350	0.102	0.23	6.80
67.2	69.2	75044	0.400	0.034	0.20	7.18
69.2	70.1	75045	0.090	0.033	0.03	8.45
70.1	72.0	75046	0.460	0.140	0.27	5.50
72.0	74.0	75047	0.320	0.047	0.15	8.62
74.0	76.0	75048	0.360	0.123	0.18	6.64
76.0	78.0	75049	0.270	0.017	0.12	5.66
78.0	80.0	75050	0.440	0.015	0.28	6.07
80.0	82.0	75051	0.280	0.012	0.11	5.68

Lithology

From	To	LITH	Description
47.7	48.1	AP	Dark green-grey, fine-grained to weakly porphyritic with 2mm augite phenos. 1-3cm chill margins, finer and darker; unsheared contacts, upper @ 40, lower @ 45 to c.a. Interval is within a single piece of core.
48.1	50.8	Bx	As above dyke.
50.8	56.9	Fault	Fault zone defined by abrupt increase in fracture density. Interval is mainly 1-10cm pieces of bx rubble - same bx as above. Minor gouge @ ~55.2m and on several fractures. Weakly sericitic, Cu-oxides locally apparent.
56.9	63.1	Bx	As above, more moderately fractured. Somewhat more uniform pink but still albitic. 61.4-62.5 Shear zone, polished hematite slickensides @ 10-20 to c.a. Splashy malachite on several fractures.
63.1	65.2	Dacite Dyke	Pale grey, fine-grained with round 2-3mm sausseritized plagioclase phenos. Pink bx xenoliths at both contacts. Upper contact is well-fractured, lower is sharp and unsheared @ 75 to c.a. Xenolith or sliver of bx @ 64.6m, very sharp, chilled contacts/block boundaries. Chill margins are approx 1-3cm thick.
65.2	69.2	Bx	As above; less fractured.
69.2	70.1	Dacite Dyke	As above; 5-10mm fragments of bx in chilled margin, approx 5cm thick on both contacts. Contacts @ 65-70 (upper) and 60 (lower) to c.a.
70.1	132.2	Bx	As above; More clearly pink, mottled, coarse blocky bx. Pink PP blocks in pale to white albite-Kf-mag matrix, locally vuggy, clast-supported. Increase in vuggy, albitic character ~ 94.8m. Strong Kf-albite, moderate mag. Variable oxidation with sections of good fine-grained cp minor bo associated with blebby to patchy magnetite. Cu-oxides, more commonly malachite, occur on many fractures with locally strong limonite, hematite - black stubby dendrites or orange goethite may be tenorite or cupiferous goethite. Limited fracturing increasing ~94.8m with corresponding increase in oxidation. 76.5-76.6 Dacite dyke; 10cm thick with 1cm chill margins @ 60 to c.a. 79.8-79.9 Dacite Dyke; more irregular contacts, chilled as above, @ 60-75 to c.a. 106.4-107.2 Hem-ser veinlet, slickensides @ 0-10 to c.a. 111.5-114.0 Hem-ser-clay gouge, slicks @ 0-10 to c.a. 116.9 Cp, lesser bo, assoc with blebby magnetite. Continuing blocky, vuggy; moderately magnetic, some weaker sections. 122.5-123.7 Mainly matrix-supported subangular to subrounded, 1-5cm pink PP clasts in albite-magnetite matrix. 131.1-134.5 Magnetite veinlets and stringers common with associated cp-bo. Oxidized in vugs and fractures.
132.2	132.7	Dacite Dyke	Similar to dacitic dykes above with odd roundish plag (?) phenos in fine-grained groundmass. Well-developed chill margins, approx 5cm thick; contacts @ 65 to c.a., lower is weakly sheared and oxidized.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
82.0	84.0	75052	0.330	0.010	0.13	7.05
84.0	86.0	75053	0.210	0.019	0.09	6.91
86.0	88.0	75054	0.350	0.037	0.16	3.97
88.0	90.0	75055	0.170	0.031	0.09	4.86
90.0	92.0	75056	0.240	0.096	0.21	3.88
92.0	94.0	75057	0.330	0.057	0.04	4.08
94.0	96.0	75058	0.100	0.041	0.14	5.08
96.0	98.0	75059	0.150	0.064	0.07	5.27
98.0	100.0	75060	0.560	0.459	0.16	5.62
100.0	102.0	75062	0.390	0.301	0.15	4.97
102.0	104.0	75063	0.330	0.250	0.13	4.87
104.0	106.0	75064	0.330	0.206	0.12	4.47
106.0	108.0	75065	0.100	0.073	0.06	3.73
108.0	110.0	75066	0.120	0.060	0.07	4.17
110.0	112.0	75067	0.110	0.039	0.09	5.99
112.0	114.0	75068	0.130	0.080	0.06	5.83
114.0	116.0	75069	0.140	0.058	0.07	4.56
116.0	118.0	75070	0.150	0.018	0.09	5.11
118.0	120.0	75071	0.100	0.060	0.04	3.13
120.0	122.0	75072	0.080	0.045	0.07	2.52
122.0	124.0	75073	0.090	0.026	0.08	4.54
124.0	126.0	75074	0.070	0.003	0.04	6.50
126.0	128.0	75075	0.120	0.019	0.07	6.17
128.0	130.0	75076	0.090	0.027	0.09	4.49
130.0	132.2	75077	0.100	0.024	0.05	8.63
132.2	132.7	75078	0.010	0.001	0.01	8.55
132.7	134.0	75079	0.130	0.080	0.05	10.89
134.0	136.0	75080	0.140	0.036	0.06	8.48
136.0	138.0	75082	0.100	0.042	0.11	4.69
138.0	140.0	75083	0.260	0.163	0.36	4.02
140.0	142.0	75084	0.150	0.100	0.09	5.16
142.0	144.0	75085	0.130	0.100	0.14	4.33
144.0	146.0	75086	0.140	0.082	0.09	3.78
146.0	148.0	75087	0.170	0.091	0.10	4.00
148.0	150.0	75088	0.370	0.294	0.16	5.01
150.0	152.0	75089	0.400	0.162	0.18	5.15
152.0	154.0	75090	0.140	0.099	0.06	5.86
154.0	156.0	75091	0.400	0.088	0.19	6.69
156.0	158.0	75092	0.150	0.003	0.08	6.45
158.0	160.0	75093	0.090	0.023	0.04	7.14
160.0	161.8	75094	0.140	0.103	0.09	5.80
161.8	163.6	75095	0.480	0.151	0.38	4.47

Lithology

From	To	LITH	Description
132.7	170.9	Bx	Same as above dyke. 138.4 Strong malachite on fracture cutting across bx matrix @ 40 to c.a. 142.0-156.0 Sericitized (sausseritized?) matrix, albite is locally quite mushy, pale green. Oxidized, sulphides rare. 144.8 Oxidizing vug of mag-cp-bo surrounded by bright green malachite. 150.7-151.0 Fault; mushy pale grey clay-sericite gouge with blocks of pink PP-bx. Sheared along altered matrix. Minor yellow-orange goethite on shear planes @ 20-30 to c.a. 156.0-159.4 Weaker, less pervasive oxidation, increased cp-bo. 159.4- More oxidized with altered albitic matrix as 142.0-156.0m. 161.4 Fault; 5-10cm of greenish sericitic gouge. Apparent increase in cp, minor bo, malachite continues on fractures and in vugs. 168.7-170.1 Grey, medium-grained to weakly porphyritic diorite block cut by weak Kf-albite stockwork. Less cp, more bo.
170.9	173.3	Monz Dyke	Medium grey-green, weakly porphyritic plag-rich monz dyke; no Kf stringers, moderately magnetic. Post mineral, alteration. Well-developed 4-6cm dark, fine-grained chill margins. Broken upper contact, appears to be ~20 to c.a. with albite, possible chlorite, and Cu-oxides along fractures parallel to contact. Lower contact ~60 to c.a.
173.3	186.5	Bx	Blocky, mottled pink and grey, albite bx, as above. Kf alteration continues strong (Kf-ab-mag). Moderate cp, weak bo, increased erratic pyrite. Moderately fractured. 179.3-184.3 Pyrite is locally dominant, occurring along vnlts and fractures, and associated with cp-magnetite.
186.5	197.0	Bx	Pink, coarse plagioclase porphyritic bx. Far less albite-mag-Kf matrix, in obvious vuggy block boundaries. Tightly block-supported. Magnetite is still moderate to strong with associated fine-grained cp, minor bo. Occasional magnetite vnlts up to 5mm thick, @ 40 to c.a. (194.3m). Weakly fractured.
197.0	200.0	Bx	Gradational contact @ 60 to c.a., over 10cm, into distinctive green to weakly pink, mottled bx. Weaker Kf, continuing less albite; strong magnetite with assocaited fine-grained cp, only minor bo. Generally competent and weakly fractured. EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
163.6	165.4	75096	0.370	0.125	0.27	4.78
165.4	167.2	75097	0.140	0.104	0.14	4.09
167.2	169.0	75098	0.440	0.065	0.30	4.52
169.0	170.9	75099	0.200	0.169	0.30	5.16
170.9	173.3	75100	0.020	0.008	0.02	6.49
173.3	175.0	75102	0.270	0.129	0.34	5.36
175.0	177.0	75103	0.120	0.030	0.09	4.93
177.0	179.0	75104	0.130	0.006	0.07	5.32
179.0	181.0	75105	0.190	0.005	0.11	3.69
181.0	183.0	75106	0.320	0.011	0.22	5.38
183.0	185.0	75107	0.120	0.006	0.09	4.30
185.0	186.5	75108	0.150	0.007	0.10	4.86
186.5	188.0	75109	0.110	0.003	0.06	2.77
188.0	189.5	75110	0.120	0.021	0.08	3.39
189.5	191.0	75111	0.330	0.048	0.26	4.06
191.0	192.5	75112	0.620	0.018	0.45	5.59
192.5	194.0	75113	0.270	0.010	0.20	3.71
194.0	195.5	75114	0.150	0.067	0.11	3.75
195.5	197.0	75115	0.230	0.007	0.19	3.20
197.0	198.5	75116	0.360	0.010	0.31	6.00
198.5	200.0	75117	0.420	0.013	0.43	6.78
7.7	9.8	75009	0.340	0.231	0.24	5.84
9.8	12.3	75010	0.030	0.012	0.01	5.56
12.3	13.4	75011	0.260	0.128	0.22	7.11
13.4	14.0	75012	0.060	0.015	0.01	6.24
14.0	15.8	75013	0.410	0.324	0.40	7.81
15.8	17.7	75014	0.590	0.510	0.34	7.11
17.7	19.6	75015	0.430	0.342	0.59	8.14
19.6	21.0	75016	0.080	0.036	0.06	5.42
21.0	23.0	75017	0.030	0.021	0.04	6.01
23.0	25.0	75018	0.060	0.034	0.07	5.92
25.0	26.8	75019	0.110	0.042	0.06	5.65
26.8	29.0	75020	0.230	0.185	0.17	7.27
29.0	31.0	75022	0.380	0.307	0.28	8.11

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-66

Zone	Springer	**Easting**	1671.0	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3415.7	**Logged By**	C. Wild
		Elevation	1168.0	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
99.4	270	-41	Acid Test
200.0	270	-41	Acid Test

Lithology

From	To	LITH	Description
0.0	3.4	Casing	No recovery.
3.4	10.9	Bx-ab	Pink, strongly mottled hydrothermal bx, angular to subrounded clast-supported pink and grey PP/monz and intrusion bx blocks in cream to pink albite-magnetite-Kf matrix. Blocks vary from < 1cm to >10cm in size, rounded to subangular, generally clast supported. Strong Kf-flooding minor albite, weak to moderate magnetite, no actinolite noted. Locally vuggy with minor Cu-oxides. Moderately-fractured, oxidized along fractures with minor limonite, hematite, Mn-oxides, and weak chrysocolla. Magnetite is somewhat hematized. Cp is fine-grained to blebby, associated with magnetite blebs. Sericite-calcite common on fractures. Occasional calcite veinlets.
10.9	14.2	Fault/AP	Medium green, fine-grained, porphyritic with pale green, roundish phenos altered to sericite and chlorite. May originally have been AP dyke. Much of dyke is rubble, oxidized along fractures, becoming increasingly gougy over the second half. Top contact is sharp, unsheared and @ ~90 to c.a. Bottom contact is mainly rubble, but a 5mm clay seam @ 55 to c.a. likely marks contact.
14.2	37.6	Bx-ab	Pink, mottled, blocky albite bx, as before. Less open, ie less matrix material but blocks clearly outlined - wide variety of sizes and shapes. 20.7-21.0 Two dark grey, fine-grained, weakly porphyritic dacite to andesite dykes. Small (1mm), round plag phenos in very fine groundmass, with several mm to cm sized angular breccia clasts included (5%). Dyke ~90 to c.a 26.8-31.6 Medium pinkish-grey, more bleached-looking with weaker Kf and relatively common magnetite vnlts. Minor fine-grained cp-bo; lower grade interval. 31.6-34.3 Strong pink Kf-flooded zone, magnetite continues weaker with weaker cp-bo. More malachite on fractures. 34.3-37.6 Mottled bx, moderately oxidized with minor fine-grained cp-bo associated with magnetite. Minor malachite.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.4	5.0	75118	0.450	0.364	0.28	7.82
5.0	7.0	75119	0.420	0.344	0.19	7.27
7.0	9.0	75120	0.370	0.300	0.13	7.99
9.0	10.9	75122	0.170	0.132	0.05	7.13
10.9	14.2	75123	0.060	0.022	0.01	7.71
14.2	16.0	75124	0.250	0.221	0.06	6.21
16.0	18.0	75125	0.430	0.380	0.10	6.81
18.0	20.0	75126	0.300	0.244	0.07	6.38
20.0	22.0	75127	0.350	0.295	0.09	6.01
22.0	24.0	75128	0.250	0.214	0.08	6.37
24.0	26.0	75129	0.270	0.177	0.15	5.97
26.0	28.0	75130	0.180	0.149	0.06	5.06
28.0	30.0	75131	0.070	0.046	0.02	4.38
30.0	32.0	75132	0.070	0.048	0.03	3.90
32.0	34.0	75133	0.110	0.085	0.05	5.52
34.0	36.0	75134	0.180	0.137	0.08	5.82
36.0	37.6	75135	0.100	0.064	0.04	7.18
37.6	39.6	75136	0.090	0.048	0.03	6.13
39.6	41.6	75137	0.010	0.010	0.01	5.80
41.6	43.6	75138	0.040	0.023	0.01	5.78
43.6	45.1	75139	0.120	0.075	0.05	6.03
45.1	47.0	75140	0.210	0.177	0.07	7.11
47.0	49.0	75142	0.180	0.106	0.08	6.20
49.0	51.0	75143	0.130	0.094	0.08	5.92
51.0	53.0	75144	0.300	0.203	0.10	5.75
53.0	54.7	75145	0.170	0.139	0.11	6.61
54.7	55.1	75146	0.010	0.004	0.01	6.00
55.1	57.0	75147	0.170	0.143	0.15	6.10
57.0	59.0	75148	0.210	0.150	0.11	6.42
59.0	61.0	75149	0.220	0.187	0.08	8.69

Lithology

From	To	LITH	Description
37.6	43.1	Monz Dyke	Pale to medium grey-weakly pink, weak to moderately porphyritic with faint grey plag phenos and 2-3mm round spots that look like grey monzonite drops in pinkish groundmass. Dyke is weakly altered (minor albite stringers - hard, no reaction to HCl) and post-mineral. Limited fracturing, minor limonite, Mn-oxide. Upper contact is sharp, unsheared @ 90 to c.a.; weakly chilled. Sharp lower contact marked by calcite vnlt @ 65 to c.a. Sericite is common; occasional Cu-oxides on fractures with limonite. 40.6-40.7 13cm thick, dark green dyke; porphyritic with pale grey, round ghostly phenocrysts. Also, faint chloritized mafics, may again be AP dyke. Sharp, oxidized fracture contacts @ 75 to c.a. with strong 2cm chill margins (dark, fine-grained).
45.1	54.7	Bx-ab	Pink and grey mottled albite bx, as before. Blocks clearly visible in a pink to cream matrix, clast-supported, again with a wide variety of sizes and shapes. Not strongly vuggy. Moderate to strong magnetite, with associated cp, minor bo. Fractures are strongly oxidized, malachite relatively common.
54.7	55.1	AP	Dark green, strongly porphyritic with phenos altered to epidote and chlorite (olivine and augite?). Post-mineral and Kf-altn. Sharp unsheared contacts @ 80-85 to c.a. Moderately fractured and oxidized.
55.1	67.9	Bx-ab	Pink and grey mottled blocky albite bx, as above, but much vuggier. Alteration and mineralization as above. Oxidation slightly less but sections of fine insitu malachite after cp.
57.9	58.3	Dacite Dyke	Pale grey, fine-grained with crowded round 2-3mm sausseritized plagioclase phenos. Upper contact is fractured @ 45 to c.a., lower is marked by a calcite vnlt @ 25 to c.a., but is likely an offsetting structure. Chill margins are approx 1cm thick.
58.3	106.6	Bx-ab	Pink and grey mottled blocky albite bx, as above, continuing vuggy. Alteration and mineralization as above. Oxidation decreases with significant yellowish goethite, sericite, and malachite on fractures and in vugs to 78.5m. Bx becomes less vuggy, though still albitic, with increasing magnetite-cp (bo). Core becomes much less fractured. Mineraization includes sections of moderate cp, minor bo, and more oxidized malachite. 83.3-85.5 Zone of fracturing, sericitic, becoming vuggy with infilled malachite with oxidizing cp. 90.0 1cm gougy seam, steep to c.a.
106.6	109.0	Bx-pp	Pink, weakly brecciated, strongly plagioclase porphyritic with phenos ~1mm, locally seriate, ~25% of unit (not crowded). Both contacts are sharp @ 25 to c.a., both with 1-3cm dark purplish, fine-grained chilled margins. Strong Kf, weak albite-magnetite matrix. Well mineralized but much appears to be pyrite; much less magnetite. Hard and competent, not oxidized.
109.0	113.7	Bx-ab	As before; coarse pink to greenish-grey mottled albite bx. Strongly albitic, locally quite vuggy. Cp is dominant sulphide, very minor bo & py; weakly to variably oxidized to malachite in vugs and fractures. Continuing weakly fractured, more limonitic.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
61.0	63.0	75150	0.100	0.067	0.07	4.82
63.0	65.0	75151	0.160	0.138	0.14	2.78
65.0	66.5	75152	0.080	0.060	0.09	4.34
66.5	67.9	75153	0.070	0.048	0.09	3.91
67.9	68.3	75154	0.020	0.008	0.01	8.91
68.3	70.0	75155	0.130	0.089	0.07	5.54
70.0	72.0	75156	0.110	0.068	0.08	4.77
72.0	74.0	75157	0.170	0.129	0.18	5.06
74.0	76.0	75158	0.080	0.033	0.13	6.18
76.0	78.0	75159	0.100	0.031	0.06	5.06
78.0	80.0	75160	0.090	0.021	0.08	5.80
80.0	82.0	75162	0.080	0.027	0.06	4.29
82.0	84.0	75163	0.070	0.025	0.02	5.07
84.0	86.0	75164	0.180	0.133	0.19	5.89
86.0	88.0	75165	0.130	0.056	0.16	5.30
88.0	90.0	75166	0.090	0.040	0.05	4.77
90.0	92.0	75167	0.120	0.045	0.08	4.81
92.0	94.0	75168	0.310	0.134	0.16	4.83
94.0	96.0	75169	0.290	0.011	0.11	6.49
96.0	98.0	75170	0.110	0.028	0.04	5.25
98.0	100.0	75171	0.018	0.008	0.07	5.83
100.0	102.0	75172	0.200	0.026	0.04	4.93
102.0	103.6	75173	0.100	0.012	0.02	5.86
103.6	105.1	75174	0.470	0.023	0.07	5.68
105.1	106.6	75175	0.170	0.004	0.08	4.95
106.6	109.0	75176	0.080	0.002	0.02	4.45
109.0	110.5	75177	0.030	0.003	0.02	4.46
110.5	112.1	75178	0.050	0.017	0.01	5.07
112.1	113.7	75179	0.220	0.117	0.11	5.81
113.7	115.4	75180	0.040	0.021	0.01	4.16
115.4	117.2	75182	0.020	0.012	0.02	4.01
117.2	118.7	75183	0.790	0.479	0.42	6.78
118.7	120.3	75184	0.270	0.060	0.18	5.09
120.3	121.8	75185	3.150	0.136	2.00	8.71
121.8	123.1	75186	0.470	0.085	0.41	6.69
123.1	124.5	75187	0.320	0.008	0.21	4.50
124.5	126.0	75188	0.470	0.009	0.31	6.61
126.0	127.5	75189	0.580	0.028	0.25	6.79
127.5	129.0	75190	0.230	0.014	0.09	5.16
129.0	130.5	75191	0.390	0.201	0.28	6.75
130.5	132.0	75192	0.370	0.238	0.22	5.21
132.0	133.5	75193	0.490	0.055	0.34	4.26

Lithology

From	To	LITH	Description
113.7	117.2	PP	Weakly brecciated, purplish plagioclase porphyry, darker and coarser than above (106.6-109.0m). Plag phenos to 3mm, more crowded than above (30-40%). Upper contact is very irregular with inclusions of bx, lower contact is sharp @ 30 to c.a. No chill margins. Weak Kf, moderate magnetite often as veinlets. No sulphides apparent. Hard and competent.
117.2	120.3	Bx-pp	Pink, coarse plag porphyritic clasts in a weak albitic matrix. Blocks best seen near contacts. Occasional vuggy fractures (albite). Strong Kf, mod to weak albite-magnetite. Fine-grained cp, minor native Cu, both associated with magnetite. Weak to moderate fracturing, variable oxidation. 117.3-118.0 Malachite zone; vuggy with black chlorite-hematite (mag) and trace native Cu. High-grade.
120.3	121.8	Bx-ab,mag	Dark mottled bx with dark grey and pink clasts in magnetite-albite matrix. Very strong cp associated with sharply stronger magnetite. Locally very coarse, concentrated in central vuggy zone. Very high-grade. Minor py; bo not positively identified. Moderately fractured, oxidized at lower contact.
121.8	124.5	Bx-pp	Coarse plag porphyry bx, as described above (117.2-120.3m). Strongly oxidized fractures, mainly golden goethite, to 122.9m. Blebby cp & py @ 123.0m; more commonly fine-grained with magnetite. Bo somewhat more common. Decreasing fracturing.
124.5	133.5	Bx-grey/pink	Dark grey to orangy-pink mottled bx. Blocks are mainly dark grey monzonite but by wispy to stockwork Kf-albite-magnetite matrix. Strong magnetite, locally greenish vuggy albite. Moderate to strong cp, minor bo, associated with magnetite. Oxidation increases ~ 128.0m, malachite on fractures and in vugs, decreasing again ~132.1m. 130.9-131.0 Minor fault gouge and rubble, lower slip plane @ 30 to c.a.
133.5	135.3	Bx-pp	Coarse plag porphyry bx (as 117.2-120.3, 121.8-124.5m). Moderate fine-grained cp, associated with mag matrix, minor albite. Weak to moderate fracturing.
135.3	137.7	Monz Dyke	Medium grained to weakly porphyritic medium green dyke. Sharp, irregular upper contact, unsheared and unfractured @ ~65 to c.a., displaced along a 3mm calcite veinlet @ 20 to c.a. with chill margin, 3-5cm thick. Lower contact marked by near coincident oxidized fracture @ 55 to c.a., more subtle chill margin.
137.7	144.7	Bx-pp	Coarse plag porphyry bx, as described above. Moderate fine-grained cp (bo?) associated with mod mag. Continuing weak to moderate fracturing.
144.7	155.5	Bx-pink/grey(ab)	Pink becoming more mottled with coarser pink PP blocks in greenish-grey albitic matrix. Looks like a cross between pink pp-type bx and albite (ab) bx. Strong Kf, increasing albite, weak to mod magnetite. Moderate fracturing, strongly oxidized; very minor fine-grained sulphides, minor malachite - low-grade section.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
133.5	135.3	75194	0.420	0.009	0.20	3.12
135.3	137.7	75195	0.020	0.002	0.01	6.36
137.7	139.5	75196	0.620	0.011	0.46	3.95
139.5	141.3	75197	0.300	0.011	0.16	4.56
141.3	143.0	75198	0.210	0.011	0.11	4.12
143.0	144.7	75199	0.230	0.028	0.12	3.46
144.7	146.5	75200	0.340	0.193	0.20	5.26
146.5	148.0	75202	0.250	0.209	0.21	4.36
148.0	149.5	75203	0.240	0.196	0.14	5.51
149.5	151.0	75204	0.200	0.168	0.10	4.97
151.0	152.5	75205	0.210	0.136	0.08	3.97
152.5	154.0	75206	0.220	0.121	0.12	3.73
154.0	155.5	75207	0.220	0.128	0.11	5.05
155.5	157.6	75208	0.130	0.072	0.06	5.18
157.6	159.7	75209	0.130	0.015	0.06	5.53
159.7	161.8	75210	0.160	0.064	0.14	6.17
161.8	163.9	75211	0.110	0.058	0.10	6.64
163.9	167.1	75212	0.050	0.009	0.03	5.20
167.1	169.2	75213	0.100	0.082	0.05	4.13
169.2	171.3	75214	0.110	0.007	0.05	5.61
171.3	173.5	75215	0.130	0.003	0.06	7.73
173.5	175.7	75216	0.150	0.004	0.10	6.61
175.7	177.8	75217	0.010	0.003	0.01	4.89
177.8	180.0	75218	0.110	0.036	0.03	6.61
180.0	182.0	75219	0.120	0.065	0.07	5.32
182.0	184.0	75220	0.080	0.029	0.04	5.50
184.0	186.0	75222	0.180	0.026	0.14	5.29
186.0	188.0	75223	0.100	0.002	0.05	4.54
188.0	190.0	75224	0.080	0.004	0.04	5.27
190.0	192.0	75225	0.120	0.003	0.06	7.09
192.0	194.0	75226	0.130	0.002	0.13	7.93
194.0	196.0	75227	0.160	0.003	0.12	7.44
196.0	198.0	75228	0.190	0.004	0.16	6.48
198.0	200.0	75229	0.150	0.003	0.09	5.18

Lithology

From	To	LITH	Description
155.5	163.9	Bx-ab	Pink-grey strongly mottled bx, darker and less vuggy than main albite bx (58.3-106.6m). Moderate to strong Kf-albite, quite strongly magnetic. Weak, fine-grained cp, bo in magnetite. Minor malachite on fractures, in vugs. Weak to moderate oxidation, minor limonite-hematite on fractures. Numerous thin calcite (sericite) stringers.
163.9	167.1	Dacite Dyke	Pale grey, fine-grained with crowded round 2-3mm sausseritized plagioclase phenos. Dyke occurs in 3 parts with narrow intervening bx zones. Upper contact is fractured @ 60 to c.a. 164.8-165.2 Bx-ab, as above. Well-fractured. 165.2-165.6 Second dyke, upper contact @ 60 to c.a., marked by vuggy calcite vnlt. Steep lower contact. 165.6-166.8 Bx-ab, above. 166.8-167.1 Third dyke, upper contact @ 85 to c.a., lower @ 65 to c.a. with 1cm dark chill margin.
167.1	175.7	Bx-ab	Dark pink and pale greenish-grey finely mottled albitic bx, as above. Albite-magnetite, weak to mod Kf matrix. Sericite and calcite are quite strong. Magnetite forms irregular vnlts and blebs, forming a weak stockwork. Only minor fine-grained cp can be seen in magnetite, traces of malachite in rare vugs and on the odd fracture. Overall, weak to mod oxidation. Some narrow fractured zones. 167.3 7cm thick dacite dykelet; chilled, with upper contact @ 85 to c.a. along hem fracture, and lower @ 50 to c.a., partially on hem fracture. 167.9-169.4 Pink, Kf-flooded zone. Upper "contact" @ 50 to c.a, marked by calcite vnlt. Lower is strongly fractured, sericitic, appears to be more gradational. 175.4 7cm thick altered (chlorite, epidote) AP or pyroxenite dyke. Both contacts are weakly oxidized fractures @ 75 to c.a. No obvious chill margins.
175.7	177.8	Dacite Dyke	Pale grey to brownish, similar though less altered by calcite and albite vnlts than above dyke (163.9-167.1m). Fine-grained, porphyritic with weakly trachytic tabular plag phenos. Calcite blebs, aligned perpendicular to c.a., and vnlts common. Unsheared upper contact @ 25 to c.a. with strong 1cm purplish chill margin. Irregular slickensides (hem-ser) @ 30-60 to c.a. opposite to contact. Fractured lower contact @ ~80 to c.a., unsheared. 176.8 5mm of grey clay gouge @ 65 to c.a.
177.8	200.0	Bx-ab	Strongly mottled pink and greenish-grey bx, as above (167.1-175.7m). Pinker near the top becoming subtly darker. Moderate Kf-albite, moderate magnetite. Darker due to increased sericite-chlorite, noted above, and increased pyrite. Weak to variable cp, minor bo, associated with magnetite; py is also variable but more fracture-associated, later thar cp-bo-mag. Moderately fractured to ~182.0m, becoming more competent. Calcite veinlets relatively common throughout. 188.9-190.0 Minor fault; gougy rubble. 195.9 1-3cm of sandy gouge.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-67

Zone	Springer	**Easting**	1742.0	**Drilled By**	F. Boisvenu Drilling
Length (m)	215.2	**Northing**	3448.0	**Logged By**	C. Wild
		Elevation	1171.8	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
123.9	270	-40.5	Acid Test
193.9	270	-40	Acid Test

Lithology

From	To	LITH	Description
0.0	3.1	Casing	No recovery.
3.1	20.1	Bx-ab	Orangy-pink and grey, mottled, very blocky, albite bx. Pink monzonitic clasts, from <1cm to 10cm, subrounded to angular, clast-supported, in a cream to greenish and pink matrix. Alteration is strong; Kf-albite, weak to moderate magnetite. Strongly oxidized with limonite-hematite on most fractures and Cu-oxides, both malachite and chrysocolla, in vugs and open-spaces and along fractures. Possible stubby dendrites of tenorite. No sulphides apparent near top. Very well-fractured, minor sericite and rubbly zones. 4.6-4.9 Brown plag porphyry; fine 1mm phenos. Well-fractured, lowr contact along limonitic fracture @ ~60 to c.a. 10.4-10.8 AP Dyke; dark green-brown, strongly chloritized mafic (augite, poss olivine) phenos. Well-fractured, both contacts are rubble, appear to be steep to c.a. 11.7-12.1 Brown, fine-grained dyke, similar in colour but harder than above AP dyke. Both contacts are rubble but appear to be steep to c.a. 12.4 Minor sandy gouge, very minor fault. 14.6-14.7 Noteable chrysocolla. 17.1-17.2 Noteable chrysocolla. 17.5-18.8 Coarse rubble, no gouge, weak sericite.
20.1	23.4	AP Dyke/Fault	Medium grey-green, very soft, strongly chloritized dyke with occasional sections of dark altered phenos. Unit is locally gougy, brecciated and well-fractured. Well-fractured contacts; upper @ 75 to c.a. 20.4 Fault; 5cm of dark clay-chlorite gouge. 20.5-20.7 Fault; clay-chl gouge in rubble. 21.9, 22.1, 23.1 Angular inclusions of dark, fine-grained rock in dyke, poss remnants of frasher AP.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.1	5.0	75230	0.497	0.375	0.50	7.59
5.0	7.0	75231	0.619	0.480	0.90	6.85
7.0	9.0	75232	0.618	0.509	0.48	6.24
9.0	11.0	75233	0.253	0.157	0.08	7.68
11.0	12.8	75234	0.427	0.303	0.18	7.94
12.8	14.6	75235	0.389	0.268	0.14	9.46
14.6	16.4	75236	0.814	0.629	0.21	7.36
16.4	18.2	75237	0.839	0.690	0.36	5.88
18.2	20.1	75238	0.442	0.332	0.16	5.86
20.1	23.4	75239	0.024	0.016	0.01	4.60
23.4	25.0	75240	0.299	0.228	0.15	5.66
25.0	27.0	75242	0.353	0.300	0.31	5.80
27.0	29.0	75243	0.275	0.218	0.18	5.64
29.0	31.0	75244	0.464	0.385	0.23	7.03
31.0	32.8	75245	0.359	0.301	0.22	7.09
32.8	35.5	75246	0.177	0.083	0.07	6.32
35.5	36.9	75247	0.349	0.273	0.03	5.64
36.9	38.0	75248	0.100	0.072	0.04	6.93
38.0	40.0	75249	0.359	0.279	0.08	6.35
40.0	42.0	75250	0.345	0.280	0.12	5.33
42.0	44.0	75251	0.270	0.208	0.07	6.15
44.0	46.0	75252	0.185	0.143	0.05	5.74
46.0	48.0	75253	0.198	0.129	0.12	8.32
48.0	50.0	75254	0.188	0.139	0.06	5.90
50.0	52.0	75255	0.292	0.220	0.10	6.14
52.0	54.0	75256	0.328	0.179	0.07	6.25
54.0	56.0	75257	0.117	0.080	0.03	5.03
56.0	58.0	75258	0.126	0.082	0.03	5.45
58.0	60.0	75259	0.138	0.099	0.02	5.59
60.0	62.0	75260	0.103	0.078	0.03	6.16

Lithology

From	To	LITH	Description
23.4	32.8	Bx-ab	Generally pale orangy-pink and grey, mottled, very blocky, albite bx. Pink and grey monzonitic clasts and blocks, from <1cm to >10cm, subrounded to angular, clast and matrix supported, in a cream to greenish and pink matrix. Alteration is strong; Kf-albite, weak to moderate blebby and disseminated magnetite, occasional vnlts. Moderately oxidized with limonite on most fractures and Cu-oxides, both malachite and chrysocolla, in vugs and open-spaces and along fractures. Possible stubby dendrites of tenorite. Minor fine-grained sulphides, likely cp-bo, in magnetite. Minor sericitic rubbly zones. 27.4-27.6 Brown, fine-grained dacite dyke, weakly porphyritic, 1mm plag phenos. Sharp chilled contacts, upper @ 80 to c.a., lower @ 60 to c.a. Chill margins are 2-3cm thick, purplish, lacking phenos. 30.4 Magnetite-albite-malachite vnlt, 1-2cm thick, malachite in centre with albite, flanked by 1-5mm thick magnetite, @ 70 to c.a. 31.4 Increased fracturing.
32.8	35.5	Fault??	Zone of very poor recovery, ~20%, mainly rounded bx rubble. Dyke contact at top, likely brown dacite at a steep angle to c.a. Possible fault zone to explain poor recovery.
35.5	36.9	Bx-ab	Blocky, mottled albite bx, as above.
36.9	38.0	Monz Dyke	Pale to medium grey-weakly pink, weak to moderately porphyritic with faint grey plag phenos and 2-3mm round spots that look like grey monzonite drops in pinkish groundmass. Dyke is weakly altered (minor albite stringers - hard, no reaction to HCl) and post-mineral. Limited fracturing, minor limonite. Upper contact is sharp, unsheared, and very irregular @ 60-90 to c.a, with 2-3cm dark, fine-grained chill margin. Sharp lower contact @ 65-75 to c.a. with 4-5cm chill margin, as above. Limonite, calcite on fractures.
38.0	70.0	Bx-ab	Blocky, mottled and vuggy albite bx, as above. Decreasing oxidation - minor Cu-oxides. More magnetic, core slightly more "peppered" with magnetite. Cp-bo is difficult to see but is fine-grained in most magnetite blebs and veinlets. Weakly fractured. 58.2 10cm dyke of fine-grained, chilled brown dacite. Sharp, weakly sheared contacts @ 50 to c.a., minor ser-hem-clay on contact fractures.
70.0	88.9	Monz Dyke	Pinkish-brown, medium-grained, moderately porphyritic with plag phenos 1-2mm in diameter, moderately crowded. Develops a strong porphyritic texture ~77m, with round 3mm phenos, similar to those in the above Monz Dyke (36.9-38.0m). Locally weakly brecciated. Gradational upper contact. Weak Kf in groundmass, moderate magnetite as a weak but distinctive stringer stockwork. Trace to minor disseminated cp. Weakly fractured with minor limonite, lesser hematite. Calcite vnlts @ 10-20 & 70 to c.a. 84.5-84.8 Hematite-sericite slickensides on plane @ 10 to c.a.
88.9	89.3	Dacite Dyke	Olive green to brown, vey fine-grained with roundish plag phenos and faint chloritized mafics. Cuts monzonite unit: upper contact is hem-sericite slip @ 40 to c.a., lower is fractured but unsheared @~20 to c.a. with 1cm purplish chill margin.
89.3	91.2	Monz Dyke	As above, more fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
62.0	64.0	75262	0.145	0.108	0.05	5.39
64.0	66.0	75263	0.101	0.067	0.02	9.00
66.0	68.0	75264	0.182	0.132	0.16	8.61
68.0	70.0	75265	0.083	0.056	0.08	5.39
70.0	72.0	75266	0.212	0.138	0.07	6.99
72.0	74.0	75267	0.048	0.020	0.01	4.86
74.0	76.0	75268	0.094	0.046	0.06	5.33
76.0	78.0	75269	0.081	0.060	0.03	5.83
78.0	80.0	75270	0.048	0.032	0.01	6.16
80.0	82.0	75271	0.073	0.052	0.03	5.78
82.0	84.0	75272	0.076	0.055	0.02	5.45
84.0	86.4	75273	0.114	0.079	0.03	6.06
86.4	88.9	75274	0.114	0.076	0.01	6.34
88.9	89.3	75275	0.106	0.074	0.03	8.24
89.3	91.2	75276	0.256	0.172	0.07	6.08
91.2	93.0	75277	0.034	0.012	0.01	7.07
93.0	95.5	75278	0.071	0.033	0.02	5.29
95.5	98.0	75279	0.029	0.017	0.01	5.15
98.0	100.0	75280	0.027	0.017	0.01	5.38
100.0	101.7	75282	0.031	0.027	0.04	5.29
101.7	103.5	75283	0.073	0.042	0.03	5.40
103.5	104.7	75284	0.030	0.017	0.01	5.80
104.7	107.6	75285	0.082	0.048	0.07	6.31
107.6	108.6	75286	0.045	0.014	0.02	4.77
108.6	110.5	75287	0.205	0.077	0.06	5.61
110.5	112.5	75288	0.247	0.107	0.15	7.03
112.5	114.5	75289	0.248	0.075	0.09	6.90
114.5	116.5	75290	0.102	0.006	0.10	6.31
116.5	118.5	75291	0.326	0.094	0.14	6.33
118.5	120.5	75292	0.362	0.193	0.15	5.37
120.5	121.0	75293	0.045	0.016	0.01	5.35
121.0	123.0	75294	0.217	0.143	0.06	8.78
123.0	125.0	75295	0.176	0.041	0.05	7.62
125.0	127.0	75296	0.190	0.070	0.05	5.47
127.0	129.0	75297	0.070	0.027	0.05	5.92
129.0	131.0	75298	0.315	0.055	0.12	7.55
131.0	133.0	75299	0.055	0.030	0.03	4.55
133.0	135.0	75300	0.067	0.007	0.05	4.79
135.0	137.0	75302	0.146	0.009	0.08	4.37
137.0	139.0	75303	0.170	0.013	0.06	6.19
139.0	141.0	75304	0.191	0.079	0.09	6.85
141.0	143.0	75305	0.219	0.009	0.09	6.53

Lithology

From	To	LITH	Description
91.2	93.0	Dacite Dyke	As above (88.9-89.3m). Upper contact is sharp and unsheared @ 55-60 to c.a., lower contact appears to be steeper (~80). Very uniform, weakly fractured.
93.0	100.0	Monz Dyke	As above (70.0-88.9 and 89.3-91.2m). Gradational lower contact appears to be steep to c.a. 99.6-99.8 25cm dacite dyke appears to parallel lower monz contact. Contacts are sharp, unsheared @ 65-70 to c.a. with a monz sliver in the middle of the dyke.
100.0	103.5	Bx-ab	Pink and pale cream to grey, mottled blocky bx, as above (38.0-70.0m). Moderate magnetite, as blebs and veinlets, weakly mineralized. Oxidized on fractures and vugs.
103.5	104.7	Monz Dyke	Much as before; pinker near top, diffuse upper contact. Lower contact is sharp, unsheared, not chilled, and @ 50 to c.a.
104.7	107.6	Bx-ab	As above (100.0-103.5m), pinker than 38.0-70.0m.
107.6	108.6	Monz Dyke	As above, somewhat fainter texture. Upper contact is sharp, unsheared, @ 80 to c.a. Lower contact along a fracture, apparently @ 40 to c.a.
108.6	120.5	Bx-ab	As above. Increase in fine-grained cp, min bo associated with increased disseminated magnetite. Weakly oxidized in vugs and along fractures, minor malachite. Weakly fractured. 112.1-114.8 Pink, medium-grained plag porphyry bx, with minor vuggy albite-magnetite matrix.
120.5	121.0	AP Dyke	Grungy green, strongly altered to chlorite and epidote, sheared and fractured. Dark and pale green phenos; chlorite replacing augite and epidote replacing olivine. Upper contact along oxidized fracture @ 70 to c.a. Lower contact along oxidized slip plane @ 50 to c.a.
121.0	136.9	Bx-ab	As above. 121.0-126.8 Strongly oxidized; limonitic on fractures, minor malachite on fractures and in vugs. Sections of cp-mag - copper distribution appears to be erratic. 126.8-127.6 Fault; minor zone of fracturing, sericite along many planes, 1-2cm brown clay seam @ 127.3m. 127.6-136.9 Less oxidized than above fault. Breccia becoming less open and more massive-looking, decrease in vuggy albite. Continuing erratic cp, possibly increased bo.
136.9	194.6	Bx-grey/pink	Dull pink and grey, no mottled texture (albite), massive-looking, hard, weakly fractured throughout. Clasts are generally grey to pink fine-grained to moderately porphyritic, in a fine-grained, pink Kf-flooded matrix. Alteration is strong Kf, minor albite, moderate finely disseminated to stringer magnetite and minor but significant actinolite. Overall, strongly altered. Mineralization is much stronger with moderate to strong cp (1%), and increased bo as blebs and disseminations closely associated with magnetite. More cp-bo is also finely disseminated through the matrix. Generally a very high grade section. Pyrite is locally significant (>3% from 165-170m) but less than 0.5% overall, occuring as fine veinlets and fracture coatings. Weakly fractured, unoxidized, numerous calcite veinlets.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
143.0	145.0	75306	0.367	0.017	0.21	5.67
145.0	147.0	75307	0.618	0.026	0.41	6.17
147.0	149.0	75308	0.707	0.025	0.37	5.40
149.0	151.0	75309	0.540	0.019	0.35	4.48
151.0	153.0	75310	0.485	0.014	0.42	3.37
153.0	155.0	75311	0.563	0.020	0.62	3.70
155.0	157.0	75312	0.563	0.020	0.62	3.70
157.0	159.0	75313	0.439	0.013	0.34	3.58
159.0	161.0	75314	0.402	0.017	0.37	4.84
161.0	163.0	75315	0.418	0.013	0.34	5.07
163.0	165.0	75316	0.455	0.012	0.36	4.88
165.0	167.0	75317	0.578	0.017	0.51	5.67
167.0	169.0	75318	0.421	0.020	0.29	4.64
169.0	171.0	75319	0.373	0.013	0.33	4.48
171.0	173.0	75320	0.405	0.017	0.30	4.96
173.0	175.0	75322	0.513	0.047	0.36	4.72
175.0	177.0	75323	0.456	0.022	0.26	4.08
177.0	179.0	75324	0.507	0.032	0.51	5.09
179.0	181.0	75325	0.896	0.070	0.47	5.07
181.0	183.0	75326	0.426	0.018	0.26	4.19
183.0	185.0	75327	0.570	0.037	0.27	3.79
185.0	187.0	75328	0.279	0.016	0.23	3.39
187.0	189.0	75329	0.235	0.016	0.28	4.80
189.0	191.0	75330	0.218	0.012	0.21	3.33
191.0	193.0	75331	0.302	0.013	0.29	3.06
193.0	194.6	75332	0.615	0.020	0.69	4.73
194.6	196.3	75333	0.286	0.007	0.37	4.50
196.3	198.0	75334	0.400	0.012	0.39	4.88
198.0	199.7	75335	0.465	0.011	0.63	5.23
199.7	201.4	75336	0.280	0.008	0.45	4.04
201.4	203.1	75337	0.185	0.006	0.22	3.35
203.1	204.8	75338	0.257	0.011	0.26	1.91
204.8	206.5	75339	0.170	0.007	0.13	2.63
206.5	208.2	75340	0.112	0.005	0.09	2.74
208.2	209.9	75342	0.301	0.014	0.25	3.07
209.9	211.6	75343	0.183	0.009	0.16	2.04
211.6	213.4	75344	0.199	0.010	0.15	2.08
213.4	215.2	75345	0.297	0.074	0.24	3.51

Lithology

From	To	LITH	Description
194.6	215.2	Bx-ab(pink)	Mottled grey and pink, closely resembles "transitional bx" between strongly albitic bx and massive grey/pink bx. Clasts are generally pink monzonite in pale grey speckled (magnetite) albite matrix. Clast boundaries are easy to discern unlike massive bx; clasts vary tremendously in size and range from angular to subrounded - clast supported. Alteration continues to be strong, much more albitic but relatively magnetite-rich. No longer see actinolite. Mineralization, mainly blebby and fine-grained disseminated cp and minor bo, continues to be quite strong but is weaker in outside magnetite and may be weakening over bottm metre. Pyrite is locally >3%. Weakly fractured, though more than in massive bx. Not oxidized. Albite may be weakly altered to sericite. Calcite veinlets, as usual. 200.0-212.0 Pyrite section; occurs mainly as veinlets and on fracture surfaces, also in vugs. Most intense ~208.5m

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-68

Zone	Springer	**Easting**	1652.1	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3518.7	**Logged By**	G. Gillstrom
		Elevation	1182.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
32.3	270	-41	Acid Test
200.0	270	-42	Acid Test

Lithology

From	To	LITH	Description
0.0	4.6	Casing	No recovery.
4.6	8.1	Bx-ab	Pink and grey, strongly mottled, well-defined bx with pink-orange monzonite clasts in pale pink albite-magnetite matrix. Clasts are subangular to subrounded, clast supported. Very well-fractured, moderately oxidized with mainly golden goethite and pale greenish sericite (+calcite). Contact with underlying monzonite is not well-defined, but appears to marked by 7cm dark mafic dyke. 4.6-4.9 Mainly rubble, minor Cu-oxides (malachite, chrysocolla). 5.2-6.6 Strongly fractured. 7.6-8.1 Strongly fractured.
8.1	51.6	Monz	Grey to pale pink to brown, medium-grained equigranular to weak and medium-grained plag porphyry with limited zones of Kf brecciation. Oxidized to ~40.6m, fracturing gradually lessens from strong near upper contact to weak by 40.6m. Limonite, mainly golden goethite and minor hematite are common on fractures. Calcite veinlets common. Alteration is weak Kf, with weak to moderate magnetite, increasing with sections of fine stringer stockworks of magnetite. Minor Cu-oxides on some fractures and occasionally in blebs. Minor fine-grained cp, lesser bo and py are associated with magnetite becoming visible ~26m and increasing substantially below 36m. Mineralization is anomalous in this weakly brecciated and altered unit. 8.1 Dark grey, fine-grained mafic dyke @ ~50 to c.a. 8.1-11.1 Mainly rubble. 9.1 Second dark mafic dyke, 5-10cm thick, @ `35 to c.a. 14.0 10cm of rubble, likely from a cave. 22.0-23.0 Fault; minor rubbly fracture zone around a few cms of green gouge ~22.8m. 28.8-29.2 Conspicuous golden goethite in fracture zone. 33.5 5cm of sandy gouge @ 20-30 to c.a. 34.4 1cm yellow-green gouge @ 45 to c.a. 44.5-45.7 Fine stockwork of magnetite stringers. Fine cp, minor bo in and surrounding stringers.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
4.6	6.4	75346	0.071	0.055	0.01	5.89
6.4	8.1	75347	0.175	0.149	0.03	5.95
8.1	10.0	75348	0.122	0.082	0.01	5.68
10.0	12.0	75349	0.104	0.073	0.01	5.61
12.0	14.0	75350	0.076	0.060	0.01	5.01
14.0	16.0	75351	0.071	0.049	0.01	5.65
16.0	18.0	75352	0.060	0.038	0.01	5.56
18.0	20.0	75353	0.058	0.028	0.01	5.92
20.0	22.0	75354	0.068	0.040	0.01	5.48
22.0	24.0	75355	0.080	0.062	0.01	6.14
24.0	26.0	75356	0.068	0.050	0.02	6.41
26.0	28.0	75357	0.115	0.089	0.04	6.18
28.0	30.0	75358	0.087	0.062	0.03	6.04
30.0	32.0	75359	0.106	0.054	0.04	6.70
32.0	34.0	75360	0.240	0.166	0.05	6.40
34.0	36.0	75362	0.109	0.021	0.02	5.94
36.0	38.0	75363	0.076	0.045	0.03	5.40
38.0	40.0	75364	0.062	0.020	0.01	5.22
40.0	42.0	75365	0.126	0.022	0.01	5.91
42.0	44.0	75366	0.225	0.031	0.03	4.90
44.0	46.0	75367	0.210	0.012	0.02	4.91
46.0	48.0	75368	0.266	0.018	0.05	5.01
48.0	50.0	75369	0.317	0.025	0.06	4.98
50.0	51.6	75370	0.175	0.014	0.07	5.57
51.6	54.2	75371	0.023	0.006	0.01	6.31
54.2	56.0	75372	0.393	0.027	0.16	5.17
56.0	58.0	75373	0.207	0.055	0.09	5.03
58.0	59.7	75374	0.432	0.282	0.14	5.62
59.7	62.0	75375	0.464	0.294	0.14	6.29
62.0	64.0	75376	0.454	0.426	0.19	6.29

Lithology

From	To	LITH	Description
51.6	54.2	Monz Dyke	Medium grey-green, medium-grained to porphyritic, very similar in both texture and mineralogy to host monzonite. Upper contact is chilled over 7cm @ 60 to c.a.; lower is chilled over 5-6cm @ 45 to c.a. Dyke is somewhat greener (chloritized) than slightly pinked grey monzonite host, possibly due to higher mafic content and likely post-alteration. Does not appear to be mineralized.
54.2	59.7	Monz	As before; increasing bx with more magnetite stockworks and increasing Kf associated with magnetite. Looks transitional with grey-pink bx below, perhaps intruding breccias late in Kf-alteration event. Well mineralized with fine *cp, minor bo and superimposed py (as vnlts and fracture coatings), associated with magnetite.*
59.7	62.0	Bx-grey/pink	Similar to above, but with pink clasts in grey matrix, Kf stockwork and later magnetite stringer stockwork. Alteration is stronger, mineralization consists mainly of malchite on fractures and veinlets. Oxidation increasing as fault is approached. Upper contact is sharp, unsheared, healed bx @ 35 to c.a. Increased fracturing, many @ 10-20 to c.a. with sericite, minor limonite, malachite and possible tenorite.
62.0	65.3	Fault	Dark pink, fine-grained breccia, as above, strongly fractured with 1-2cm of green gouge @10-20 to c.a, parallel to dominant fractures. Strongly altered and oxidized, moderately magnetic with locally strong malachite, limonite and possible tenorite on fractures.
65.3	115.5	Bx-grey/pink	Dark, massive-looking, patchy pink and grey bx, fine-grained throughout. Clast boundaries are difficult to define. Pink Kf is patchy, likely due to flooding, with later magnetite stringer stockwork super-imposed. Albite is rare to absent, occasional vnlts of actinolite. Mineralization consists of strong fine-grained cp with minor bo disseminated in and around magnetite stringers throughout the rock. Later pyrite is superimposed along mineralized fractures and is hence, often associated with mag-cp-bo. Interval is strongly fractured and oxidized near fault but decreases sharply within ~5m. Late calcite vnlts cut everything, usually @ 10-40 to c.a. 65.3-69.2 Moderately fractured, weakening oxidation, increasing cp, minor bo. 69.2-71.8 Mainly pink plag porphyry-type breccia. Kf is flooded, magnetite is less obvious but still moderate. Mineralized as rest of unit. 83.4-87.7 Pyrite zone, 1-2% py, superimposed on moderate cp-mag, very weak bo. 84.0 Splashy blebby cp. 94.4-95.3 Weakto moderately oxidized fracture zone; minor malachite, limonite on fractures, weaker fine-grained cp -102.4 Moderate fine-grained cp, associated with magnetite, decreasing slightly. 102.4-115.5 Fracturing and oxidation increase. Malachite is quite strong on fractures and spotted with magnetite *after cp, often with oxidizing cp. Some weakly oxidized sections with cp>mal. Grade appears to be decreasing.* 104.0-104.7 Strong malachite in dark "vuggy" section. 109.0-110.8 Strong malachite on strong low angle (to c.a.) fractures. Significant fracture zone. 110.8-115.5 Fine-grained cp continues but weaker.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
64.0	66.0	75377	0.523	0.407	0.21	5.59
66.0	68.0	75378	0.423	0.364	0.16	6.37
68.0	70.0	75379	0.233	0.094	0.09	3.91
70.0	72.0	75380	0.241	0.029	0.10	4.02
72.0	74.0	75382	0.407	0.150	0.13	4.94
74.0	76.0	75383	0.355	0.051	0.29	5.66
76.0	78.0	75384	0.525	0.045	0.10	4.84
78.0	80.0	75385	0.497	0.023	0.16	5.02
80.0	82.0	75386	0.425	0.026	0.13	5.08
82.0	84.0	75387	0.689	0.047	0.26	5.68
84.0	86.0	75388	0.914	0.061	0.40	5.91
86.0	88.0	75389	0.780	0.073	0.52	5.23
88.0	90.0	75390	0.440	0.029	0.45	4.19
90.0	92.0	75391	0.355	0.023	0.44	3.70
92.0	94.0	75392	0.789	0.073	1.01	4.50
94.0	96.0	75393	0.675	0.163	1.13	4.16
96.0	98.0	75394	0.672	0.089	1.22	3.84
98.0	100.0	75395	0.733	0.041	1.28	4.29
100.0	102.0	75396	0.773	0.072	1.33	4.46
102.0	104.0	75397	0.892	0.532	1.64	4.77
104.0	106.0	75398	0.743	0.348	0.95	5.52
106.0	108.0	75399	0.706	0.233	0.81	4.50
108.0	110.0	75400	1.022	0.606	0.49	3.77
110.0	112.0	75402	0.737	0.440	0.37	4.28
112.0	114.0	75403	0.334	0.206	0.12	3.09
114.0	115.5	75404	0.362	0.041	0.15	3.47
115.5	117.5	75405	0.297	0.198	0.17	2.96
117.5	119.5	75406	0.184	0.116	0.18	8.21
119.5	121.5	75407	0.053	0.030	0.01	3.99
121.5	123.5	75408	0.708	0.032	0.42	6.08
123.5	125.5	75409	0.248	0.175	0.12	2.43
125.5	127.5	75410	0.041	0.014	0.01	2.92
127.5	129.5	75411	0.142	0.093	0.01	6.16
129.5	131.5	75412	0.195	0.124	0.04	4.06
131.5	133.5	75413	0.301	0.227	0.35	5.63
133.5	135.3	75414	1.301	0.044	0.73	9.26
135.3	137.2	75415	0.130	0.005	0.06	4.33
137.2	139.0	75416	0.778	0.027	0.72	5.58
139.0	141.0	75417	0.570	0.016	0.42	7.11
141.0	143.0	75418	0.545	0.014	0.45	7.52
143.0	145.0	75419	0.342	0.006	0.20	5.62
145.0	147.0	75420	0.356	0.006	0.18	5.48

Lithology

From	To	LITH	Description
115.5	135.3	Bx-ab	Strong pink-orange and grey, mottled, vuggy and oxidized, well-fractured albite bx. Darker than most albite bx but blocks still clearly outlined; wide range in size from <1cm to >10cm, clast-supported, angular to subrounded. Upper contact is relatively sharp but irregular @ 20-70 to c.a. Alteration is strong with zones of Kf-flooding, moderate to strong albite-magnetite matrix. Mineralization consists of mainly moderate malachite through most of interval, begin to see weak to moderate fine-grained cp ~131.9m. Moderately fractured, except weakly fractured between 130.3-133.5m. Calcite veinlets seem more common, esp as *fault is approached.* 115.7-117.9 Strong fracture zone, locally rubbly and strongly oxidized - likely a minor fault zone. 124.2-124.6 Rubbly fracture zone. 133.3-133.9 5-10mm thick magnetite vnlts, very well-mineralized with blebby cp and locally sheared along hematite slickensides, @ 10 to c.a. 133.9-135.3 Fracturing increasing with increase in sericite and calcite. Fine cp present to end.
135.3	147.0	Fault	Pale grey with orange breccia blocks scattered throughout. Major (super fault) fault, very gougy, marked by a 5cm clay-hematite seam @ 20 to c.a. at upper contact. 135.5-137.2 Medium grey, fine-grained, clay-altered dyke. Lower contact is ~70 to c.a. 137.2-147, Pink albite bx blocks in gougy fault bx matrix. 25% gouge, 50% milled to gravel size.
147.0	173.0	Bx-grey/pink	massive in sections, as seen in 115.5m
173.0	187.3	BX-green/pink	mix of pink/grey to green/grey breccia, abundant mag in both sections, veined and in blebs, green sections may be brecciated dykes, no visible Cp.
187.3	191.0	BX-intense pink	Intense pink oxidized breccia, cu oxides rare on fractures, no visible Cp, minor diss. Mag.
191.0	194.5	Fault	Fault zone, mod. Fractured thru zone, pink BX as above in 2-3 cm sections.
194.5	199.0	BX-Intense pink	as 187.3
199.0	200.0	Monzonite	Brown porphyrtic monzo, no Cp, trace diss mag. Plan dead looking, similar to brown monz found on west side of Polley fault. END

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
147.0	149.0	75421	0.288	0.102	0.10	4.88
149.0	151.0	75422	0.183	0.116	0.09	4.61
151.0	153.0	75423	0.253	0.016	0.12	5.61
153.0	155.0	75424	0.216	0.137	0.15	3.98
155.0	157.0	75425	0.227	0.012	0.18	4.07
157.0	159.0	75426	0.169	0.005	0.12	5.38
159.0	161.0	75427	0.245	0.008	0.14	6.02
161.0	163.0	75428	0.273	0.011	0.34	5.27
163.0	165.0	75429	0.183	0.005	0.18	6.24
165.0	167.0	75430	0.131	0.024	0.13	5.03
167.0	169.0	75431	0.179	0.017	0.17	7.73
169.0	171.0	75432	0.306	0.032	0.36	8.56
171.0	173.0	75433	0.660	0.019	0.58	6.70
173.0	175.0	75434	0.081	0.028	0.11	4.66
175.0	177.0	75435	0.109	0.039	0.09	3.90
177.0	179.0	75436	0.048	0.002	0.04	4.49
179.0	181.0	75437	0.079	0.013	0.07	4.32
181.0	183.0	75438	0.089	0.022	0.05	4.76
183.0	185.0	75439	0.063	0.027	0.07	3.48
185.0	187.0	75440	0.120	0.072	0.07	6.26
187.0	189.0	75441	0.036	0.016	0.02	3.39
189.0	191.0	75442	0.071	0.032	0.04	3.75
191.0	193.0	75443	0.075	0.030	0.04	3.03
193.0	195.0	75444	0.050	0.013	0.04	3.10
195.0	197.0	75445	0.166	0.116	0.09	4.18
197.0	198.0	75446	0.340	0.265	0.28	4.81
198.0	200.0	75447	0.032	0.012	0.04	3.49

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-69

Zone	Springer	**Easting**	1671.4	**Drilled By**	F. Boisvenu Drilling
Length (m)	276.2	**Northing**	3612.2	**Logged By**	G. Gillstrom
		Elevation	1198.7	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-50	Head Set
93.0	270	-44.5	Acid Test
193.9	270	-47	Acid Test
276.2	270	-45.5	Acid Test

Lithology

From	To	LITH	Description
0.0	1.8	CA	Casing
1.8	4.0	MZ	Fractured white/grey monzonite; minor pink k-spar; no chalcopyrite.
4.0	8.0	DYKE	Green augite porphyry dyke (as in Cariboo).
8.0	33.0	BX	Breccia; low-grade type; grey/pink; moderately oxidized through zone; calcite veins; minor magnetite; trace chalcopyrite.
33.0	42.0	BX	Massive type; pink, grey breccia; moderately fractured through zone. 40.5 - 41.5 m: small fault zone; moderately fractured; calcite veining filled; small (<1/2m) green augite porphyry dyke in fault.
42.0	58.0	FT	Fault in Breccia; crappy white/pink low-grade oxidized breccia; green oxidation on many fractures; highly fractured tc 58.0 m; whole unit is a fault.
58.0	70.0	BX	Masiive; grey/pink; abundant magnetite/fine chalcopyrite; magnetite in veining/blebs.
70.0	78.0	BX	Intense pink breccia; abundant oxides on all fractures.
78.0	83.5	FT	Fault Zone; totally fractured through zone; grey/black (Byke?); yellow oxide on fractures; 20% gouge.
83.5	89.0	BX	Light pink, white breccia; lots of calcite veining throughout.
89.0	98.0	FT	Super Fault Zone; white clay mush (30%); sand/gravel size of above breccia; very poor ground.
98.0	114.0	BX	Blend of grey massive/pink white (spongy) breccia; moderately fractured; minor chalcopyrite/oxides.
114.0	119.0	FT	Fault; same breccia as above; moderately fractured to very fractured; not much gouge (5%).
119.0	127.0	BX	Massive block breccia; abundant hematite on surface.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
1.8	4.0	75448	0.040	0.020	0.02	5.42
4.0	8.0	75449	0.020	0.003	0.01	6.15
8.0	10.0	75450	0.030	0.008	0.02	5.68
10.0	13.0	75451	0.040	0.009	0.02	5.74
13.0	15.0	75452	0.040	0.014	0.07	6.05
15.0	17.0	75453	0.070	0.028	0.11	5.74
17.0	19.0	75454	0.080	0.027	0.15	5.96
19.0	21.0	75455	0.050	0.013	0.05	5.77
21.0	23.0	75456	0.050	0.012	0.06	5.71
23.0	25.0	75457	0.030	0.010	0.03	5.33
25.0	27.0	75458	0.030	0.009	0.02	5.48
27.0	29.0	75459	0.070	0.021	0.08	5.68
47.0	49.0	75469	0.100	0.037	0.08	6.00
49.0	51.0	75470	0.050	0.011	0.01	6.59
51.0	53.0	75471	0.080	0.029	0.04	6.47
53.0	55.0	75472	0.170	0.098	0.11	3.93
55.0	57.0	75473	0.220	0.186	0.23	7.99
57.0	59.0	75474	0.100	0.064	0.03	6.24
59.0	61.0	75475	0.130	0.048	0.09	8.87
61.0	63.0	75476	0.090	0.014	0.08	7.69
63.0	66.0	75477	0.140	0.113	0.08	5.54
66.0	69.0	75478	0.090	0.073	0.04	4.22
69.0	71.0	75479	0.230	0.203	0.14	5.81
71.0	73.0	75480	0.120	0.099	0.07	5.32
73.0	75.0	75481	0.150	0.130	0.07	2.86
75.0	78.0	75482	0.140	0.130	0.08	3.18
78.0	81.0	75483	0.180	0.132	0.19	6.96
81.0	83.0	75484	0.630	0.626	0.35	7.56
83.0	85.0	75485	0.210	0.173	0.04	7.35

Lithology

From	To	LITH	Description
127.0	142.1	BX	Blend of pink/grey/massive balck/grey breccia, alternating every 2-3 m; lots of magnetite; fine chalcopyrite.
142.1	157.3	FT	Intense super fault; mix of same breccia units above; 40% gouge/sand size; rest in grned (sic) to 1-2". Some green oxides in lower half; calcite veining parallel to axis; lower contact at 70-80 CA.
157.3	172.2	BX	Grey/green to grey/black breccia; some oxides on fractures; magnetite in (lots) in veins; moderate fractures.
172.2	175.6	FT	Fault; totally shattered, filled with clay altered (soft) green dyke; rest is shattered breccia as below.
175.6	186.0	BX	Grey/pink breccia as 9.0 m.
186.0	190.8	BX	Black breccia; intense calcite veining through zone; same as black zones in 157.3 m.
190.8	198.0	FT	Fault: intense graphite fault; fractures are all parallel to core axis; center of core filled with 1 cm of pure graphite; breccia is pink/grey type.
198.0	206.0	BX	Pink breccia; massive; low magnetite.
206.0	206.5	FT	Small fault; totally shattered; 5% gouge.
206.5	214.0	BX	Pink/grey type; massive; very altered; hematite on fractures; magnetite/hematite; very fine sulfides.
214.0	220.0	DYKE	Green chlorite dyke; faulted through most; soft and clay altered; (may be alteredaugite porphyry); fractured parallel to core axis.
220.0	236.0	FT	Fault in pink/grey breccia; totally shattered to 236.0 m; broken in 2-4 cm; 5% gouge though zone; no oxides; very blocky brecciawith large angular clasts.
236.0	239.6	BX	Grey/wite with pink clasts; flooded with magnetite veins/blobs; fine sulfides?; starts in 1/2 m volcanic dyke.
239.6	276.2	FT	Fault zone in breccia; pink/grey to green/grey breccia; totally fractured to end of hole; all high angle fractures (80-90 CA). 251.0 - 265.0 m: small 1/4 metere gougy fractures every meter or two; very bad ground; abundant magnetite in vein/bleb; no visible chalcopyrite. Looks like hole is parallel to fault.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
85.0	87.0	75486	0.160	0.129	0.03	7.52
87.0	89.0	75487	0.090	0.057	0.02	7.53
89.0	91.0	75488	0.110	0.073	0.03	7.18
91.0	93.3	75489	0.080	0.054	0.03	7.61
93.3	95.0	75490	0.350	0.320	0.06	6.58
95.0	97.0	75491	0.120	0.116	0.03	7.32
97.0	99.0	75492	0.090	0.068	0.03	6.35
99.0	101.0	75493	0.230	0.075	0.11	7.93
101.0	103.0	75494	0.060	0.002	0.02	8.32
103.0	105.0	75495	0.080	0.046	0.03	7.95
105.0	107.0	75496	0.100	0.084	0.17	5.79
107.0	109.0	75497	0.200	0.192	0.44	5.47
109.0	111.0	75498	0.090	0.079	0.07	4.02
111.0	113.0	75499	0.060	0.034	0.03	3.87
113.0	115.0	75500	0.100	0.005	0.05	4.80
115.0	117.0	75501	0.070	0.050	0.04	5.10
117.0	119.0	75502	0.200	0.174	0.07	5.60
119.0	121.0	75503	0.380	0.281	0.05	6.37
121.0	123.0	75504	0.190	0.124	0.08	6.45
123.0	125.0	75505	0.180	0.007	0.08	5.42
125.0	127.0	75506	0.190	0.014	0.09	5.37
127.0	129.0	75507	0.050	0.024	0.13	3.49
129.0	131.0	75508	0.160	0.068	0.21	4.09
29.0	31.0	75460	0.060	0.018	0.03	5.37
31.0	33.0	75461	0.130	0.097	0.14	6.01
33.0	35.0	75462	0.280	0.215	0.42	5.71
35.0	37.0	75463	0.220	0.154	0.09	6.36
37.0	39.0	75464	0.170	0.111	0.08	6.34
39.0	41.0	75465	0.270	0.195	0.20	5.52
41.0	43.0	75466	0.360	0.278	0.37	6.51
43.0	45.0	75467	0.180	0.108	0.13	6.29
45.0	47.0	75468	0.160	0.103	0.22	6.12
131.0	133.0	75509	0.210	0.019	0.18	7.18
133.0	135.0	75510	0.160	0.031	0.09	6.85
135.0	137.0	75511	0.170	0.021	0.13	6.51
137.0	139.0	75512	0.150	0.063	0.09	6.12
139.0	141.0	75513	0.140	0.015	0.08	6.78
141.0	143.0	75514	0.170	0.151	0.17	6.59
143.0	145.0	75515	0.160	0.128	0.10	8.44
145.0	147.0	75516	0.160	0.122	0.08	6.66
147.0	149.0	75517	0.160	0.133	0.08	4.88
149.0	151.0	75518	0.140	0.102	0.17	6.50

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
151.0	153.0	75519	0.180	0.151	0.14	8.06
153.0	155.0	75520	0.520	0.485	0.42	7.30
155.0	157.0	75521	0.190	0.157	0.12	4.94
157.0	159.0	75522	0.260	0.170	0.11	6.75
159.0	161.0	75523	0.080	0.044	0.04	5.23
161.0	163.0	75524	0.050	0.018	0.04	5.77
163.0	165.0	75525	0.110	0.033	0.07	6.18
165.0	167.0	75526	0.360	0.015	0.17	5.60
167.0	169.0	75527	0.340	0.058	0.13	5.85
169.0	171.0	75528	0.350	0.033	0.11	5.47
171.0	173.0	75529	0.250	0.139	0.19	6.63
173.0	175.0	75530	0.110	0.048	0.07	6.41
175.0	177.0	75531	0.130	0.076	0.08	6.96
177.0	179.0	75532	0.110	0.042	0.08	6.51
179.0	181.0	75533	0.140	0.006	0.07	7.07
181.0	183.0	75534	0.230	0.034	0.12	5.75
183.0	185.0	75535	0.160	0.013	0.10	6.03
185.0	187.0	75536	0.210	0.008	0.14	5.86
187.0	189.0	75537	0.120	0.006	0.08	5.79
189.0	191.0	75538	0.080	0.006	0.08	5.84
191.0	193.0	75539	0.140	0.010	0.09	6.78
193.0	195.0	75540	0.230	0.050	0.26	6.69
195.0	197.0	75541	0.240	0.039	0.22	7.43
197.0	199.0	75542	0.710	0.029	1.02	5.23
199.0	201.0	75543	0.710	0.037	1.58	4.97
201.0	203.0	75544	0.120	0.022	0.26	2.67
203.0	205.0	75545	0.140	0.020	0.21	2.37
205.0	207.0	75546	0.140	0.011	0.18	4.34
207.0	209.0	75547	0.070	0.002	0.04	5.80
209.0	211.0	75548	0.040	0.001	0.01	5.76
211.0	213.0	75549	0.060	0.003	0.03	5.66
213.0	215.0	75550	0.350	0.026	0.22	5.18
215.0	217.0	75551	0.200	0.050	0.14	4.31
217.0	219.0	75552	0.200	0.047	0.17	5.06
219.0	221.0	75553	0.220	0.047	0.17	4.94
221.0	223.0	75554	0.280	0.013	0.22	5.53
223.0	225.0	75555	0.450	0.021	0.36	6.24
225.0	227.0	75556	0.330	0.011	0.18	6.53
227.0	229.0	75557	0.220	0.011	0.12	6.52
229.0	231.0	75558	0.310	0.012	0.18	6.35
231.0	233.0	75559	0.250	0.011	0.20	9.06
233.0	235.0	75560	0.360	0.013	0.26	7.15

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
235.0	237.0	75561	0.150	0.007	0.06	6.45
237.0	239.0	75562	0.090	0.004	0.02	5.43
239.0	241.0	75563	0.140	0.006	0.02	6.74
241.0	243.0	75564	0.390	0.018	0.16	7.73
243.0	245.0	75565	0.220	0.008	0.08	5.52
245.0	247.0	75566	0.250	0.020	0.13	5.74
247.0	249.0	75567	0.190	0.013	0.09	5.50
249.0	251.0	75568	0.170	0.009	0.12	3.88
251.0	253.0	75569	0.150	0.006	0.09	4.50
253.0	255.0	75570	0.200	0.005	0.10	4.43
255.0	257.0	75571	0.200	0.006	0.11	4.64
257.0	259.0	75572	0.150	0.005	0.08	4.79
259.0	261.0	75573	0.150	0.004	0.09	3.76
261.0	263.0	75574	0.140	0.003	0.08	5.65
263.0	265.0	75575	0.170	0.004	0.11	3.68
265.0	267.0	75576	0.150	0.003	0.05	5.75
267.0	269.0	75577	0.120	0.004	0.04	3.76
269.0	271.0	75578	0.140	0.004	0.09	3.29
271.0	273.0	75579	0.140	0.004	0.06	3.90
273.0	275.0	75580	0.110	0.004	0.07	2.76
275.0	276.2	75581	0.150	0.003	0.06	5.34

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Drillhole Report

MP-01-70

Zone	Springer	**Easting**	1611.0	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3639.0	**Logged By**	C. Wild
		Elevation	1207.3	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
81.1	270	-40.5	Acid Test
200.0	270	-42	Acid Test

Lithology

From	To	LITH	Description
0.0	1.2	Casing	No recovery.
1.2	39.0	Bx-ab	Uniform section of pink, grey and beige, strongly mottled, blocky albite bx. Blocks of pink, fine-grained monzonite, some weakly porphyritic, in pink-greenish beige often vuggy albitic matrix. Occasional blocks of purple plag porphyry and dark grey monzonite to diorite. Blocks are mostly subangular with sharp block boundaries. Alteration is strong Kf, strong albite, weak to moderate magnetite, and weak to absent actinolite. Blocks are strong Kf-altered. Minor chlorite and sericite in vugs and on fractures. Mineralization consists of rare green Cu-oxides in vugs and fractures, associated with minor limonite, mainly golden goethite, hematite, and black weakly denditic oxide, either Cu (tenorite) or Mn. Minor fine-grained cp develops in less oxidized sections near bottom of interval. Top of hole is very well-fractured, becoming more moderate ~11m. White sericite on many fractures but only minor shearing (slickensides) noted. 37.3-38.6 Darker grey section, less fractured and weakly oxidized. More magnetic with minor associated cp, bo.
39.0	39.6	Monz Dyke	Medium to dark grey, plagioclase porphyry with 25% phenos in a green chloritized (+sericite?) matrix. Occasional black chloritized mafics, likely augite to 2mm. Diffuse Kf-magnetite veinlets cut core, often centred by later calcite. Kf selvages host moderate magnetite and minor cp-bo, minor limonite after magnetite. Both contacts are relatively sharp, unsheared, and marked by Kf-flooding @ 40-45 to c.a.
39.6	64.8	Bx-ab	Pink and grey, moderately mottled, albite bx with more massive-looking sections, weaker in albite. Locally strong vuggy albite matrix with Kf-magnetite hosting mainly pink and grey monzonitic blocks ranging in size from <1cm to >10cm, and from subrounded to angular. Alteration is as before, with slightly increased magnetite. Mineralization continues to be weak with fine-grained cp, bo, and minor py. Oxidation is weak to moderate, increasing toward fault from ~55m. Limonite, hematite, sericite and black dendritic oxide are relatively common. Fracturing is weak to ~50m, becoming moderate. 54.3 5cm of sericitic rubble @ ~60 to c.a. 59.4-64.0 Strongly albitic, vuggy "sponge" bx. 64.4-64.9 Fine-grained, weak plagioclase porphyry, uniform, moderately fractured and oxidized.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
1.2	3.0	75582	0.141	0.116	0.05	4.88
3.0	5.0	75583	0.203	0.176	0.13	4.30
5.0	7.0	75584	0.287	0.250	0.11	5.89
7.0	9.0	75585	0.136	0.100	0.06	4.51
9.0	11.0	75586	0.059	0.029	0.01	3.10
11.0	13.0	75587	0.127	0.083	0.04	2.79
13.0	15.0	75588	0.093	0.042	0.03	2.96
15.0	17.0	75589	0.115	0.067	0.05	3.79
17.0	19.0	75590	0.091	0.041	0.02	4.24
19.0	21.0	75591	0.063	0.028	0.01	3.57
21.0	23.0	75592	0.063	0.032	0.02	4.30
23.0	25.0	75593	0.116	0.067	0.05	4.80
25.0	27.0	75594	0.114	0.059	0.04	4.80
27.0	29.0	75595	0.093	0.053	0.04	4.79
29.0	31.0	75596	0.076	0.037	0.02	4.19
31.0	33.0	75597	0.090	0.041	0.03	4.53
33.0	35.0	75598	0.055	0.027	0.02	5.68
35.0	37.0	75599	0.112	0.058	0.03	5.96
37.0	39.0	75600	0.112	0.065	0.03	5.19
39.0	39.6	75602	0.048	0.017	0.02	5.40
39.6	41.0	75603	0.113	0.085	0.06	4.72
41.0	43.0	75604	0.079	0.051	0.03	4.29
43.0	45.0	75605	0.082	0.057	0.03	4.58
45.0	47.0	75606	0.053	0.035	0.02	4.59
47.0	49.0	75607	0.101	0.074	0.03	5.05
49.0	51.0	75608	0.085	0.054	0.03	6.47
51.0	53.0	75609	0.089	0.030	0.06	4.82
53.0	55.0	75610	0.090	0.030	0.04	5.18
55.0	57.0	75611	0.085	0.033	0.03	5.51
57.0	59.0	75612	0.078	0.022	0.03	4.89

Lithology

From	To	LITH	Description
64.8	66.6	Fault	Strong to intense fracture zone, mainly rubble. Coincident with fine-grained plag prophyry. Black dendritic oxides common, only weak sericite-limonite. Hematite common on fractures parallel to c.a., often slickensided. Minor structure.
66.6	82.9	Bx-ab	As above fault. Bx showing more variability. Becoming somewhat darker and more magnetic 67.3-67.5, 67.9-68.3 Dark grey monzonite block or dyke, as described above (39.0-39.6m). Fine-grained cp-bo appears to be more common. 68.3-72.2 Strongly mottled, vuggy albite bx; moderate to strong fracturing, moderately oxidized. Weakly mineralized. 71.2-71.4 Fault; strongly sericitic rubble. 72.2-82.9 Weak to moderately mottled, pink and grey albite bx, less vuggy albite, increased medium to dark grey monzonite blocks. Increased but erratic fine-grained cp-bo, strongest in monz blocks. Still oxidized on most fractures.
82.9	92.6	Monz	Pinkish-grey, medium-grained, moderately porphyritic with plag phenos 1-2mm in diameter, moderately crowded. Locally weak breccia textures with occasional fine-grained dark grey clasts. Develops coarse round 1-4mm diameter, plag-rich porphyroblasts(?) ~88.2m, typical of this unit. Gradational upper contact. Sharp, unsheared, unchilled lower contact @ 80 to c.a. *Weak Kf in groundmass, moderate magnetite as a weak but distinctive stringer stockwork. Trace to minor* disseminated cp-bo. Weakly fractured with minor limonite, lesser hematite. Calcite vnlts @ 10-20 & 70 to c.a. 83.8-84.0 Strong Kf-flooded bx with numerous dark grey fine-grained clasts.
92.6	94.9	KP Monz	Bright pink, fine-grained to weakly porphyritic with obvious clasts in top half, developing strong Kf porphyritic texture. Local vuggy albite veining, matrix supported dark and pale grey monz clasts - intrusion breccia. Becomes strongly Kf-porphyritic @ 94.3m, tabular phenos to 10mm long. Strong Kf, weak magnetite. Fine cp more obvious in pink matrix. Weaker fracturing and oxidation.
94.9	95.5	AP	Medium green, chloritized dyke with 5% black chloritized augite phenos. Groundmass is chlorite-epidote, minor calcite veinlets, hematitic shears. Sharp, sheared contacts @ 75 to c.a. Post-mineral. Soft but weakly fractured.
95.5	98.0	KP Monz	Pink, Kf-porphyritic monzonite, as described above fault. Weakly fractured, weakly oxidized, weakly mineralized.
98.0	101.2	Bx-ab	Uniform section of pink, grey and beige, strongly mottled, blocky albite bx. Blocks of pink, fine-grained monzonite, some weakly porphyritic, in pink-greenish beige often vuggy albitic matrix. Fine to medium clast size. Occasional blocks of purple plag porphyry and dark grey monzonite to diorite. Alteration is strong Kf, strong albite, weak to moderate magnetite, and weak to absent actinolite. Blocks are strong Kf-altered. *Minor chlorite and sericite in vugs and on fractures.* Mineralization consists of green Cu-oxides in vugs and matrix, associated with minor limonite, mainly golden goethite. Only weakly fractured.
101.2	105.4	Dacite Dyke	Pale brownish-grey, fine-grained with crowded round 2-3mm sausseritized plagioclase phenos in weakly altered *groundmass (sericite, minor chlorite-epidote). Sharp, unsheared contacts* @ 70-75 to c.a., lower contact is more irregular with blebby Kf discontinuously aligned along contact. Chill margins are approx 1-2 cm thick. Post-mineral dyke.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
59.0	61.0	75613	0.089	0.030	0.04	4.00
61.0	63.0	75614	0.067	0.031	0.04	4.03
63.0	65.0	75615	0.063	0.022	0.03	3.77
65.0	67.0	75616	0.053	0.021	0.02	2.58
67.0	69.0	75617	0.059	0.024	0.02	4.45
69.0	71.0	75618	0.077	0.042	0.03	3.59
71.0	73.0	75619	0.097	0.039	0.03	5.58
73.0	75.0	75620	0.092	0.027	0.03	5.15
75.0	77.0	75622	0.092	0.039	0.05	4.80
77.0	79.0	75623	0.081	0.037	0.03	5.34
79.0	81.0	75624	0.086	0.040	0.05	4.83
81.0	82.9	75625	0.108	0.056	0.06	4.63
82.9	85.0	75626	0.033	0.007	0.03	5.02
85.0	87.0	75627	0.021	0.003	0.03	5.36
87.0	89.0	75628	0.054	0.017	0.01	5.29
89.0	91.0	75629	0.054	0.024	0.01	5.69
91.0	92.6	75630	0.067	0.031	0.03	6.13
92.6	94.9	75631	0.167	0.111	0.13	2.79
94.9	95.5	75632	0.016	0.009	0.01	5.71
95.5	98.0	75633	0.158	0.118	0.07	1.82
98.0	99.6	75634	0.223	0.073	0.21	3.46
99.6	101.2	75635	0.351	0.277	0.36	6.06
101.2	103.3	75636	0.010	0.006	0.01	4.55
103.3	105.4	75637	0.008	0.007	0.01	4.57
105.4	107.0	75638	0.110	0.040	0.10	6.33
107.0	108.5	75639	0.140	0.108	0.09	3.30
108.5	110.0	75640	0.096	0.065	0.10	3.14
110.0	112.0	75642	0.118	0.083	0.06	4.72
112.0	114.0	75643	0.078	0.050	0.05	4.73
114.0	116.0	75644	0.215	0.130	0.15	6.18
116.0	118.0	75645	0.074	0.018	0.03	4.51
118.0	120.0	75646	0.250	0.168	0.07	1.89
120.0	122.0	75647	0.201	0.076	0.06	6.03
122.0	124.0	75648	0.398	0.268	0.17	6.42
124.0	126.0	75649	0.216	0.050	0.07	6.33
126.0	128.0	75650	0.268	0.031	0.14	5.99
128.0	130.0	75651	0.329	0.093	0.17	6.31
130.0	132.0	75652	0.565	0.302	0.26	5.14
132.0	134.0	75653	0.335	0.048	0.24	5.96
134.0	136.0	75654	0.275	0.047	0.40	6.00
136.0	138.0	75655	0.284	0.021	0.27	5.63
138.0	140.0	75656	0.244	0.031	0.28	7.72

Lithology

From	To	LITH	Description
105.4	114.3	Bx-ab	As above dyke; generally pink, strongly mottled, vuggy albite bx. Continues to be weakly mineralized, even in magnetite-rich zones. Weak fine-grained cp-bo. Moderately fractured, not strongly oxidized - stronger in bottom metre, sericitic on many fractures. 111.8-112.1 Thin magnetite stockwork breccia; only traces of fine sulphides, no Cu-oxides.
114.3	115.0	PPg	Dark grey, strong plagioclase porphyry with 3mm phenos in dark, hard, fine-grained groundmass. Strong magnetite, minor chloritic mafics, minor fine-grained sulphides in magnetite grains. Fairly sharp upper contact, marked by blebby Kf, @ 15 to c.a. Similar at lower contact, @ 25 to c.a.
115.0	124.2	Bx-ab	Mixed pink, grey, and mottled bx's, all quite blocky, as before. Alteration continues to be strong Kf, moderate albite, and weak to strong magnetite. Sulphides are fine-grained and relatively rare. Increase in Cu-oxides, both malachite and chrysocolla. Moderately fractured, variably oxidized. 115.0-117.1 Grey mottled bx, somewhat stronger fine cp-bo. 116.0-116.1 Fault; 12cm of sericite-clay sandy gouge. Lower slip plane @ 40 to c.a. 117.1-120.2 Pink fine-grained bx, very well-fractured, becoming strongly albitic, vuggy. 120.2-124.2 Dark grey-pink, mottled albite bx. 122.5 2cm of brown sandy, sericitic rubble. 123.4 Chrysocolla on fracture and in vug. Gradational lower contact.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
140.0	142.0	75657	0.185	0.016	0.16	5.29
142.0	144.0	75658	0.216	0.043	0.26	6.26
144.0	146.0	75659	0.177	0.092	0.11	5.03
146.0	148.0	75660	0.091	0.045	0.07	4.95
148.0	150.0	75662	0.101	0.034	0.09	5.17
150.0	152.0	75663	0.101	0.024	0.11	4.68
152.0	154.0	75664	0.127	0.079	0.15	4.48
154.0	156.0	75665	0.075	0.037	0.04	5.02
156.0	158.0	75666	0.100	0.040	0.09	5.18
158.0	160.0	75667	0.063	0.028	0.03	4.16
160.0	162.0	75668	0.140	0.079	0.08	5.47
162.0	164.0	75669	0.106	0.058	0.06	4.42
164.0	166.0	75670	0.139	0.063	0.08	4.15
166.0	168.0	75671	0.128	0.038	0.09	4.40
168.0	170.0	75672	0.144	0.095	0.12	5.62
170.0	172.0	75673	0.182	0.117	0.21	4.60
172.0	174.0	75674	0.084	0.032	0.05	3.58
174.0	176.0	75675	0.118	0.050	0.09	4.67
176.0	178.0	75676	0.210	0.111	0.14	5.77
178.0	179.4	75677	0.177	0.061	0.16	7.47
179.4	179.8	75678	0.028	0.015	0.01	5.30
179.8	181.0	75679	0.377	0.326	0.32	8.14
181.0	183.0	75680	0.113	0.089	0.05	4.92
183.0	185.0	75682	0.147	0.101	0.09	4.47
185.0	186.9	75683	0.265	0.126	0.20	4.63
186.9	189.0	75684	0.178	0.035	0.12	4.15
189.0	191.0	75685	0.257	0.207	0.22	3.95
191.0	193.0	75686	0.280	0.231	0.21	3.79
193.0	195.0	75687	0.204	0.164	0.18	3.48
195.0	197.0	75688	0.084	0.063	0.03	3.01
197.0	197.6	75689	0.029	0.013	0.01	5.75
197.6	200.0	75690	0.265	0.210	0.18	4.27

Lithology

From	To	LITH	Description
124.2	186.9	Bx-grey	Mainly grey, with minor sections of pink and beige mottling. Darker, finer clasts in less albitic matrix; mainly clast-supported, rounded to subangular clasts, possibly original intrusion bx with albite bx overprint. Weak porphyritic texture in places. Alteration is strong Kf, moderate albite, and moderate to strong magnetite. Mineralization is weak to moderate fine-grained cp with minor bo, mainly associated with magnetite. Minor chrysocolla on oxidized fractures. Mineralization is erratic, strongest from 124.2-139.0m. Weakly to moderately fractured, locally oxidized. Oxidation increasing, esp below 150.0m. Generally, much more competent and less fractured. 129.9-130.2, 130.6-131.1 Patches or blocks of fine-grained Kf-flooding. Centre of increased fracturing. Not as mineralized. 133.5-134.0 Pink and beige mottled matrix-supported albite bx. Well mineralized. 139.0-150.0 Weakening mineralization. 153.5-156.4 Mushy sericitic fracture network. 156.0 Minor fault; 2-3 cm of dark clay gouge. 157.3 Increasing plag porphyritic component, pink and grey. Rare sulphides. 159.8-160.3 Weak shear zone with sericite-hematite slicks on fractures @ 0-10 to c.a. Malachite with sericite on cross fractures. 161.4 Diffuse chrysocolla in albite matrix, between blocks. 164.0-165.3 Fracture zone; weakly sericitic. 168.2-170.1 Zone of increased pink Kf- albite flooding. Note fine Mn-oxide dendrites @ 169.5m 171.0 Strong chrysocolla on oxidized, sericitic fracture. 179.4-179.8 AP dyke; dark green, fine-grained with 1-2mm chloritized augite phenos; 35cm thick, weakly sheared (hem-ser) contacts @ 60 (upper) and 40 (lower) to c.a. 179.8-186.9 Pale green, moderately sericitized, strongly albitic with occasional vugs, strongly oxidized with scattered chrysocolla throughout. 185.3 2x3cm vug in core.
186.9	197.0	Bx-pp	Strongly pink plagioclase porphyry, weakly brecciated. Plag phenos to 1-3mm, weakly seriate, moderately sausseritized, cut by stockwork of albite (+sericite) which locally rotate PP blocks. Bx is angular and block-supported. *Alteration is moderate Kf-albite, weak magnetite.* Mineralization is weak, minor Cu-oxides; moderate cp, minor bo in upper section but appear to be oxidized below 189m. Core is moderately fractured, becoming strongly fractured below 191.2m. Strong sericite, increasing into fracture zone. Increasing hematitc shears @ 0-20 to c.a., fine dendritic Mn-oxides, minor limonite. 193.0 Minor fault; fine sandy gouge in rubble. 193.9-194.2 Hematite slip planes @ 10 to c.a. 199.0 Minor fault; fine sandy gouge in rubble.
197.0	197.6	And Dyke	Olive green, brownish fine-grained porphyry. Phenos of altered plag(?) and dark chloritized augite(?). Less fractured than host PP; broken upper contact, lower contact @ 50 to c.a., sharp an weakly chilled - fine, hematitic..
197.6	200.0	Bx-pp	As before; strongly fractured with strong sericite. Weakly mineralized, oxidized, with minor faulting ~199.0m.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-71

Zone	Springer	**Easting**	1550.8	**Drilled By**	F. Boisvenu Drilling
Length (m)	151.2	**Northing**	3720.1	**Logged By**	C. Wild
		Elevation	1186.9	**Comments**	

Depth	Az	Dip	Survey Type
0.0	0	-90	Head Set
85.3	0	-88.5	Acid Test
151.2	0	-88.5	Acid Test

Lithology

From	To	LITH	Description
0.0	6.1	Casing	No recovery.
6.1	25.4	Bx-pink	Relatively dark pink and grey, finely mottled bx. Pink and grey monz clasts often weakly plag porphyritic, in a Kf-sericite-albite-chlorite matrix. Clasts include subangular to quite rounded Kf, usually 1-3cm in size. Fine mottling suggests clast size is quite fine, overall. Alteration is strong Kf, moderate albite, variable magnetite, partially due to oxidation. Mineralization consists of scattered Cu-oxides, minor fine-grained cp, trace bo, ussually associated with magnetite. Overall copper content increased ~19.5m with malachite blebs in magnetite and on fractures. Still rather weak. Variably fractured, quite sericitic on fractures with minor limonite, blebs and stubby dendrites of Fe and possibly Cu-oxides (tenorite). Minor hematite. 12.5-14.0 Strongly fractured. 13.8-14.0 Minor fault; minor brown clay and fine angular rubble. 22.3-22.6 Minor fault; mainly rubble, minor gouge near bottom. Upper hem slip @ 50 to c.a., lower gougy slip (min hem) @ 70 to c.a.
25.4	27.4	Bx-grey	*Pinkish grey, weakly brecciated plagioclase porphyry. Clasts mainly grey pp in a matrix of Kf and magnetite* stringers. Alteration is less intense with veinlets of Kf and magnetite. Mag also occurs as blebs. Albite appears to be much less. Sericite is very minimal. Cp and minor bo occur with magnetite, still quite weak. *Core is only weakly fractured, minor limonite,sericite, calcite.* Sharp upper contact, intrusive contact with weak chill margin, @ 70 to c.a. Lower contact marked by series of Kf clasts and calcite veinlet @ 15 to c.a.
27.4	30.1	Bx-pink	As above; more fractured and oxidized than grey bx. Most fractures host malachite, many are hematite slips (good *slickensides*) @ 50-80 to c.a. Well mineralized with malachite.
30.1	34.7	Bx-grey	As above; upper contact more transitional with Kf clasts and weakening of Kf in matrix. Lower contact marked by series of Kf clasts, ~70 to c.a. Weakly mineralized with fine-grained cp (bo?). Weakly fractured, oxidized on fractures with minor limonite and round to dendritic Fe(Cu)-oxides.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
6.1	8.0	75691	0.465	0.365	0.23	4.82
8.0	10.0	75692	0.474	0.384	0.19	5.23
10.0	12.0	75693	0.247	0.164	0.06	5.53
12.0	14.0	75694	0.286	0.198	0.09	5.28
14.0	16.0	75695	0.327	0.260	0.09	5.46
16.0	18.0	75696	0.220	0.146	0.08	4.57
18.0	20.0	75697	0.260	0.206	0.11	4.71
20.0	22.0	75698	0.360	0.182	0.14	5.12
22.0	24.0	75699	0.292	0.238	0.11	5.01
24.0	25.4	75700	0.283	0.120	0.13	4.62
25.4	27.4	75702	0.199	0.029	0.05	5.51
27.4	30.1	75703	0.258	0.185	0.08	5.56
30.1	32.4	75704	0.215	0.098	0.09	5.86
32.4	34.7	75705	0.125	0.060	0.06	5.59
34.7	36.0	75706	0.269	0.139	0.17	5.64
36.0	38.0	75707	0.092	0.051	0.09	4.42
38.0	40.0	75708	0.487	0.088	0.37	7.11
40.0	42.1	75709	0.698	0.082	0.36	5.93
42.1	44.0	75710	0.092	0.014	0.06	6.40
44.0	46.0	75711	0.248	0.088	0.12	5.06
46.0	48.0	75712	0.122	0.073	0.06	5.05
48.0	50.0	75713	0.080	0.016	0.02	5.54
50.0	52.0	75714	0.040	0.003	0.01	5.71
52.0	53.4	75715	0.071	0.009	0.04	4.51
53.4	55.1	75716	0.101	0.080	0.05	3.91
55.1	56.9	75717	0.068	0.023	0.02	4.78
56.9	58.7	75718	0.129	0.012	0.04	4.33
58.7	60.5	75719	0.199	0.011	0.06	5.29
60.5	62.3	75720	0.093	0.016	0.04	4.16
62.3	64.0	75722	0.127	0.095	0.04	2.90

Lithology

From	To	LITH	Description
34.7	42.1	Bx-pink	Pink to greyish pink, very similar to above pink breccias. Darker colour dur to reduced oxidation (and fracturing). Increasing magnetite, strong Kf. Significant cp-bo begins ~39.8m, in darker pink bx. Weak fracturing, still oxidized along fractures.
42.1	62.3	Bx-grey	Mainly darker pinkish grey with short intervals of pink albitic bx. Grey sections are as described above, pink sections have strong bx textures with distinct pink and grey monz clasts in albite-Kf matrix. Alteration in grey bx is weak to mod Kf, moderate magnetite. Mineralization is erratic, generally improving down, with fine-grained cp and bo, associated with magnetite. Weakly fractured, continuing oxidized with minor limonite. 46.1-46.6 Pink bx; malachite and patchy dark goethite (cupiferous?) on fractures. Sericitic. 53.4-55.1 Pink bx; oxidized, no obvious malachite. Sericitic. 56.7-57.4 Pink bx; sericitic, minor limonite.
62.3	94.0	Bx-pink	Strong pink, lesser grey, coarse blocky bx. Mainly pink plag porphyry blocks with subordinate grey monz blocks in fine Kf-albite matrix. Block-supported, sub-rounded to angular. Alteration is strong Kf, moderate albite, moderate to strong magnetite, increasing downhole. Mineralization is weak to moderate, mainly fine-grained cp, minor bo, associated with and disseminated around magnetite veinlets and blebs. Core is weakly fractured, slightly more between 85-87m; fractures frequently sericite-calcite, increasing magnetite
94.0	151.2	Bx-grey/pink	Dark, massive-looking, patchy pink and grey bx, fine-grained throughout. Clast boundaries are difficult to define. Upper contact is sharp and easily distinguished @ 30 to c.a. Pink Kf is patchy and forms a distinct stringer stockwork in places, with strong patchy and veinlet magnetite. Actinolite becomes fairly common, often in zones of good mineralization. Albite is rare to absent. Mineralization consists of moderate to strong fine-grained cp-bo disseminated in and around magnetite stringers throughout the rock. Locally, bornite seems to have an affinity for actinolite. Cp-bo become readily evident ~96m. Chrysocolla, malachite, and minor azurite are evident on oxidized fractures near the bottom of the interval. Fracturing is weak, increasing slightly as noted below, often associated with minor oxidation and Cu-oxides. 118.8 5cm fine rubble, minor shear zone. 129.8-134.6 Moderately oxidized on fractures. Chrysocolla, malachite evident on several fractures. Fine-grained cp-bo continues throughout. 132.5-132.8 Minor fault; rubbly zone with 1cm calcite vein breccia on upper plane @ 55 to c.a. Hematitic slips evident in rubble. 131.2-141.5 Pinker, still massive. Mineralization is finer, possibly weaker. 137.1 Strong turquoise-coloured chrysocolla on fracture @ 55 to c.a. 146.0 Abundant malachite on fractures. 148.2-150.0 Oxidized fractures; limonite, hematite, Mn-oxide dendrites, and malachite on prominent fracture @ 10 to c.a. 150.0-151.2 Pink, massive bx, as above.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
64.0	66.0	75723	0.052	0.038	0.02	4.18
66.0	68.0	75724	0.088	0.071	0.03	3.07
68.0	70.0	75725	0.104	0.083	0.05	3.75
70.0	72.0	75726	0.068	0.040	0.03	4.37
72.0	74.0	75727	0.055	0.035	0.02	3.98
74.0	76.0	75728	0.076	0.023	0.03	3.36
76.0	78.0	75729	0.073	0.015	0.04	4.77
78.0	80.0	75730	0.109	0.041	0.03	4.77
80.0	82.0	75731	0.089	0.022	0.03	4.27
82.0	84.0	75732	0.133	0.017	0.03	3.11
84.0	86.0	75733	0.138	0.022	0.05	4.90
86.0	88.0	75734	0.194	0.026	0.08	5.09
88.0	90.0	75735	0.187	0.033	0.13	3.98
90.0	92.0	75736	0.241	0.034	0.16	6.04
92.0	94.0	75737	0.198	0.040	0.09	5.83
94.0	96.0	75738	0.273	0.051	0.12	6.95
96.0	98.0	75739	0.363	0.066	0.16	7.78
98.0	100.0	75740	0.279	0.045	0.14	4.35
100.0	102.0	75742	0.208	0.043	0.11	4.22
102.0	104.0	75743	0.394	0.071	0.20	5.40
104.0	106.0	75744	0.410	0.067	0.22	5.32
106.0	108.0	75745	0.459	0.085	0.21	6.27
108.0	110.0	75746	0.468	0.053	0.31	5.10
110.0	112.0	75747	0.539	0.070	0.52	5.50
112.0	114.0	75748	0.744	0.068	1.03	4.96
114.0	116.0	75749	0.873	0.098	0.87	5.47
116.0	118.0	75750	0.875	0.128	0.80	5.64
118.0	120.0	75751	0.736	0.189	0.73	5.30
120.0	122.0	75752	0.663	0.158	0.79	3.08
122.0	124.0	75753	0.567	0.068	0.33	5.22
124.0	126.0	75754	0.770	0.092	0.57	5.28
126.0	128.0	75755	0.884	0.093	0.70	4.98
128.0	130.0	75756	0.717	0.077	0.68	4.65
130.0	132.0	75757	0.717	0.184	0.77	3.90
132.0	134.0	75758	0.784	0.519	0.94	3.43
134.0	136.0	75759	0.604	0.225	0.80	4.51
136.0	138.0	75760	0.593	0.193	0.75	3.51
138.0	140.0	75762	0.701	0.194	0.91	3.93
140.0	142.0	75763	0.683	0.088	1.11	4.87
142.0	144.0	75764	0.613	0.077	1.13	4.03
144.0	146.0	75765	0.593	0.162	1.49	4.53
146.0	148.0	75766	0.545	0.210	1.31	4.60

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
148.0	150.0	75767	0.622	0.329	1.89	5.21
150.0	151.2	75768	0.563	0.124	1.67	4.04

Drillhole Report

MP-01-72

Zone	Springer	**Easting**	1536.1	**Drilled By**	F. Boisvenu Drilling
Length (m)	151.2	**Northing**	3773.1	**Logged By**	C. Wild
		Elevation	1177.3	**Comments**	

Depth	Az	Dip	Survey Type
0.0	0	-90	Head Set
59.4	0	-88.5	Acid Test
151.2	0	-88	Acid Test

Lithology

From	To	LITH	Description
0.0	4.0	Casing	No recovery.
4.0	44.5	Monz	Slightly greenish grey with pink Kf stringers and weakly flooded sections. Monzonite is moderately porphyritic with plag phenos up to 3mm, weakly sausseritized, in a greenish, chloritized and sausseritized groundmass. Occasional mafic clots to 5mm, largely chlorite. Possibly a coarse bx. Alteration consists of weak, pervasive chlorite (propylite), saussertization of feldspars, overprinted by a fine stringer stockwork of Kf and uniform moderate magnetite. Magnetite is often associated with chloritic mafics. Mineralization consists of moderate fine-grained cp, lesser bo, associated with Kf-mag-chl, erratically distributed throughout the unit. Sections of strong cp-bo, possibly weakening over last 15m. Locally oxidized to malachite, associated with magnetite, esp around 38.5m. Quite rubbly to ~6.5m, with sections of moderate fracturing. Oxidation is generally weak, usually limited to fractures. Limonite, hematite and minor malachite present; weakly sericitic. Very little shearing evident. 31.2 1-10mm thick partially hematized magnetite veinlet with 5-10mm limonite selvage, @ 30 to c.a. 40.6-44.5 Gradual increase in frequency of Kf stringers as breccia contact is appraoached.
44.5	110.2	Bx-pink/grey	Relatively sharp, unsheared contact between monzonite and pink/grey bx. Contact appears to be steep to c.a. Bx is pink and grey, very massive-looking with blocks or slivers of monz with Kf-stringers and clasts of grey monzonite, and difficult to discern pink blocks in a massive fine-grained pink matrix. Alteration is strong Kf, moderate magnetite, minor sericite on fractures. Mineralization consists of widespread, moderate and fine to very fine-grained cp and minor bo. Cp occurs with magnetite and often rimming saussertized plag and chloritized mafic phenos. Highest concentrations, including bo, are in magnetite veinlets or fracture fillings, more common in grey sections (magnetite-rich). Interval is weakly fractured throughout. Minor sericite and calcite, very weak oxidation (lim + hem). 72.5-76.5 Grey - less pink section with higher magnetite and locally higher cp-bo. 78.6-89.8 Strong pink bx with occasional 1-5cm grey monz clasts. Cp is very fine, less bo, slightly weaker magnetite. 99.7-101.5 Darker grey section with stronger fine cp-bo associate with magnetite flooding groundmass of plag por. 102.4-106.2 Series of low angle, stockwork-style, locally brecciated, vuggy calcite veinlets with sericite selvages, minor Fe-carb. Locally associated with unmineralized, possibly later stage, magnetite veinlets. 106.7-108.7 Distinctive green chlorite-epidote-altered mafics in fine pink Kf-sericite matrix. Occasional faint grey clasts. Weak min'l.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
10.0	12.0	75772	0.423	0.077	0.21	6.18
12.0	14.0	75773	0.183	0.031	0.06	5.43
14.0	16.0	75774	0.210	0.021	0.05	6.33
16.0	18.0	75775	0.291	0.015	0.14	6.31
30.0	32.0	75783	0.238	0.160	0.08	5.94
32.0	34.0	75784	0.206	0.067	0.16	5.84
34.0	36.0	75785	0.334	0.067	0.20	7.75
36.0	38.0	75786	0.234	0.032	0.13	5.24
38.0	40.0	75787	0.376	0.229	0.24	5.84
40.0	41.5	75788	0.302	0.038	0.20	5.30
41.5	43.0	75789	0.310	0.052	0.22	5.16
4.0	6.0	75769	0.304	0.249	0.18	4.07
6.0	8.0	75770	0.548	0.145	0.22	4.74
8.0	10.0	75771	0.383	0.046	0.18	3.99
18.0	20.0	75776	0.400	0.063	0.46	6.13
20.0	22.0	75777	0.662	0.071	0.63	6.14
22.0	24.0	75778	0.432	0.035	0.43	5.18
24.0	26.0	75779	0.811	0.068	0.99	6.47
26.0	28.0	75780	0.249	0.050	0.16	5.89
28.0	30.0	75782	0.240	0.039	0.10	6.03
43.0	44.5	75790	0.512	0.051	0.44	4.30
44.5	46.0	75791	0.580	0.066	0.16	4.32
46.0	48.0	75792	0.410	0.138	0.17	4.04
48.0	50.0	75793	0.523	0.110	0.31	4.39
50.0	52.0	75794	0.444	0.110	0.21	5.49
52.0	54.0	75795	0.442	0.113	0.16	5.47
54.0	56.0	75796	0.238	0.033	0.06	4.60
56.0	58.0	75797	0.307	0.057	0.08	5.45
58.0	60.0	75798	0.108	0.017	0.01	4.27
60.0	62.0	75799	0.180	0.034	0.02	4.99

Lithology

From	To	LITH	Description
110.2	121.0	Bx-grey	Dark grey to pinkish grey, massive-looking, locally patchy pink and grey with easily distinguishable blocks of grey monz in a greenish to pink matrix. Generally fine-grained. Upper contact is sharp, unsheared, irregular and averages 30 to c.a.Lower contact marked by Kf-magnetite bx @ 15 to c.a. Alteration is weak to moderate Kf-albite, moderate magnetite, and local actinolite (with Kf-flooded sections). Kf forms a fine stringer stockwork through much of section. Mineralization is weak to moderate and fine-grained, associated closely with magnetite and actinolite. Very similar to high-grade breccia but lacking obvious min'l. Weakly fractured.
121.0	137.4	Bx-pink/grey	Bx is pink and grey, massive-looking, as before. Alteration is strong Kf, moderate magnetite, with increasing sericite on fractures. Mineralization consists of weakening and erratic, fine to very fine-grained cp and minor bo. Cp-bo occurs with magnetite and actinolite (chlorite) patches. Interval is weakly fractured with sections of increased fracturing. Sericite and calcite, weak oxidation (lim + hem), related to fracture fraquency. 127.2-127.8 Fracture zone with calcite vnlts and sericite. 135.0-135.4 Minor fault; mainly calcite-sericite fractures with bottom 5cm of coarse-grained calcite vnlt and sandy calcite-rich gouge @ 80 to c.a.
137.4	145.3	Bx-pp	Grey to pink, distinctive porphyritic texture in matrix and clasts. Intrusion bx component with grey to pink plag por matrix with xenoliths of grey sometimes porphyritic monz. Some brecciation related to Kf-act-mag veinlets superimposed on intrusion bx. Sharp, unsheared, irregular upper contact @ 30-40 to c.a. Lower contact @ 20 to c.a., offset by steep calcite-sericite vnlt. Alteration is weaker than above, marked by Kf vnlts and patches, actinolite vnlts with Kf selvages, and magnetite vnlts. Mineralization consists of weak to moderate, fine-grained cp and minor bo, usually associated with magnetite and actinolite. Weakly fractured with occasional hematite-sericite slickensides @ 35 to c.a. 139.6-140.2 Kf-flooded zone; upper contact @ 25 to c.a., lower more irrgular, @ 10-20 to c.a.; cut by later act stringers. Fine cp throughout.
145.3	151.2	Bx-pink	Strong, uniform pink intrusion breccia with clasts of dark grey monz and ghost clasts of pink monz. Superimposed magnetite bx, as noted below. Alteration is strong Kf and moderate magnetite (outside mag bx). Calcite-sericite still strong on fractures. Mineralization is weak, fine-grained cp, trace bo. Fracturing increases modestly toward the end of the hole. 149.4-150.1 Magnetite bx; coarse-grained magnetite, sometimes associated with actinolite and with Kf selvages. Clast-supported with magnetite forming distinctive triangular shapes between blocks. No increase in cp-bo noted. Minor mag bx continues to end of hole. EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
62.0	64.0	75800	0.168	0.026	0.01	3.91
64.0	66.0	75802	0.130	0.018	0.05	5.03
66.0	68.0	75803	0.138	0.018	0.01	4.93
68.0	70.0	75804	0.094	0.010	0.01	3.81
70.0	72.0	75805	0.136	0.013	0.01	5.55
72.0	74.0	75806	0.390	0.046	0.13	5.02
74.0	76.0	75807	0.234	0.029	0.05	5.09
76.0	78.0	75808	0.213	0.030	0.06	4.96
78.0	80.0	75809	0.660	0.053	0.44	3.51
80.0	82.0	75810	0.486	0.063	0.26	3.40
82.0	84.0	75811	0.410	0.052	0.36	2.95
84.0	86.0	75812	0.218	0.025	0.19	3.38
86.0	88.0	75813	0.170	0.017	0.01	3.49
88.0	90.0	75814	0.172	0.021	0.01	3.85
90.0	92.0	75815	0.168	0.027	0.04	4.18
92.0	94.0	75816	0.104	0.012	0.02	3.73
94.0	96.0	75817	0.158	0.026	0.05	2.98
96.0	98.0	75818	0.259	0.032	0.06	4.29
98.0	100.0	75819	0.172	0.013	0.04	4.03
100.0	102.0	75820	0.201	0.022	0.05	6.13
102.0	104.0	75822	0.169	0.022	0.04	4.03
104.0	106.0	75823	0.176	0.025	0.06	6.34
106.0	108.0	75824	0.112	0.018	0.04	5.11
108.0	110.0	75825	0.231	0.031	0.18	3.85
110.0	112.0	75826	0.081	0.006	0.04	4.42
112.0	114.0	75827	0.241	0.032	0.11	4.68
114.0	116.0	75828	0.546	0.044	0.29	5.30
116.0	118.0	75829	0.723	0.048	0.63	6.19
118.0	120.0	75830	1.035	0.080	0.85	5.46
120.0	122.0	75831	0.641	0.045	0.70	6.38
122.0	124.0	75832	0.712	0.058	0.42	5.09
124.0	126.0	75833	0.441	0.059	0.44	5.49
126.0	128.0	75834	0.847	0.072	1.35	6.38
128.0	130.0	75835	0.439	0.044	0.33	4.51
130.0	132.0	75836	0.295	0.028	0.23	3.95
132.0	134.0	75837	0.317	0.062	0.10	5.17
134.0	136.0	75838	0.345	0.039	0.18	4.90
136.0	138.0	75839	0.345	0.065	0.17	4.61
138.0	140.0	75840	0.450	0.023	0.30	5.10
140.0	142.0	75842	0.390	0.032	0.28	5.60
142.0	144.0	75843	0.180	0.012	0.30	4.10
144.0	145.3	75844	0.140	0.009	0.16	4.40

Lithology

From	To	LITH	Description

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
145.3	147.3	75845	0.120	0.005	0.08	2.80
147.3	149.3	75846	0.089	0.004	0.06	2.90
149.3	151.2	75847	0.110	0.012	0.10	8.30

Drillhole Report

MP-01-73

Zone	Springer	**Easting**	1608.4	**Drilled By**	*F. Boisvenu Drilling*
Length (m)	129.8	**Northing**	3784.1	**Logged By**	C. Wild
		Elevation	1194.6	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
45.7	270	-42	Acid Test
129.8	270	-40	*Acid Test*

Lithology

From	To	LITH	Description
0.0	6.1	Casing	No recovery.
6.1	7.9	Monz	Pinkish-grey, equigranular, medium-grained monzonite. Mainly rubble with some obvious rounded erratics at the top. *Monz is weakly Kf, weakly magnetic, and not mineralized.*
7.9	9.5	PPg	Brownish, coarse-grained porphyry with 2-3mm beige plagioclase phenos, constituting approx 25% of rock, weakly sausseritized and locally weakly trachytic, in a very fine-grained brown groundmass. *Alteration is very weak potassic in groundmass, very weakly magnetic.* Unit is not mineralized. Gradational lower contact. Moderately fractured, not oxidized.
9.5	16.9	*Monz*	Probably same as rubble at top of hole. Pink approx 1.5m adjacent to contacts, pinkish green in central 4.4m. Variably porphyritic with plag phenos ranging from 1-3mm in length. Overall, monzonite looks more equigranular with dark chloritized mafics, some mafic clots to 3mm. Lower contact is sharp, unsheared @ 45 to c.a. Weak to moderate Kf and magnetite; not strongly juiced up. Mineralization consists of very weak, fine-grained cp in magnetite-chlorite blebs. Weak to moderately fractured with minor limonite, hematite, and, fine dendritic Mn-oxides.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
6.1	7.9	75848	0.046	0.015	0.23	3.90
7.9	9.5	75849	0.017	0.005	0.04	1.70
9.5	11.3	75850	0.018	0.008	0.03	2.30
11.3	13.1	75851	0.018	0.010	0.02	2.90
13.1	15.0	75852	0.024	0.010	0.07	2.90
15.0	16.9	75853	0.033	0.018	0.04	4.10
16.9	18.5	75854	0.082	0.037	0.12	5.30
18.5	*20.0*	*75855*	*0.066*	*0.012*	*0.04*	*5.80*
20.0	22.0	75856	0.064	0.028	0.06	5.00
22.0	24.0	75857	0.063	0.032	0.04	7.50
24.0	26.0	75858	0.048	0.018	0.04	5.10
26.0	28.0	75859	0.082	0.019	0.05	7.20
28.0	30.0	75860	0.120	0.031	0.13	5.80
30.0	32.0	75862	0.067	0.022	0.10	2.00
32.0	34.0	75863	0.056	0.025	0.02	2.40
34.0	36.0	75864	0.076	0.046	0.03	3.00
36.0	38.0	75865	0.110	0.060	0.05	4.40
38.0	40.0	75866	0.127	0.080	0.06	6.05
40.0	*42.0*	*75867*	*0.144*	*0.010*	*0.07*	*7.70*
42.0	44.0	75868	0.075	0.008	0.04	7.40
44.0	46.0	75869	0.093	0.014	0.05	6.60
46.0	48.0	75870	0.094	0.030	0.04	5.92
48.0	50.0	75871	0.100	0.020	0.07	4.90
50.0	52.0	75872	0.077	0.060	0.06	5.24
52.0	54.0	75873	0.062	0.030	0.02	6.50
54.0	56.0	75874	0.074	0.020	0.06	7.19
56.0	58.0	75875	0.059	0.040	0.06	6.88
58.0	60.0	75876	0.101	0.030	0.13	7.78
60.0	62.0	75877	0.121	0.010	0.22	7.98
62.0	64.0	75878	0.080	0.010	0.07	6.46

Lithology

From	To	LITH	Description
16.9	108.3	Bx-grey/pink	Greenish-grey and pink, strongly mottled, blocky bx. Looks greener than other blocky bx's, with a weakly porphyritic monzonite composition. Pink and grey clasts sit in a pink to greenish matrix, mostly clast-supported, angular to subrounded clasts with wide ranging sizes (<1cm->30cm). Appearance of core is relatively consistent throughout despite variabiliy of clast size and erratic potassic altn. Alteration is weak to moderate Kf-albite, moderate and consistent magnetite, both disseminated and in 1-3mm thick veinlets. Moderate chlorite, sericite. Mineralization is weak, disseminated fine-grained cp & bo associated with magnetite, increasing slowly ~70m. Weak to moderate fracturing with some oxidation, but generally limited limonite, hematite and Mn-oxides. Sericite and calcite are more common on fractures, calcite vnlts also relatively common. 19.1-19.3 Mafic dyke; 5% round chl-epi altered olivines in dark green, fine-grained groundmass that also includes odd roundish ghost plag phenos. Hematitc slips on both contact @ 70 to c.a. 29.4-39.1 Zone of increased Kf-flooding, no increase in magnetite or cp. 42.0-42.2 Magnetite veinlets,with associated chlorite, 3-5mm thick, form bx matrix. 70.0 Increase in fine-grained cp-bo. 75.5-77.9 Zone of Kf-albite flooding. 77.9 5mm bleb of bornite-magnetite-cp in milky hard quartz or albite patch, at block boundaries. 77.9-108.3 Quite uniform pale green, minor patchy Kf-flooding. 97.8-99.9 Moderate patchy Kf-flooding.
108.3	152.0	Bx-pink	Pink, weakly grey, fine-grained to weakly porphyritic with pink and grey monzonitic blocks in a greenish-pinkKf-albite flooded matrix. Blocks range from <1cm to >50cm, clast-supported, angular to subrounded. Grey monzonite clasts, similar in composition to those in the green bx, are more frequent within a few metres of the upper contact. Alteration is strong Kf, moderate albite and magnetite, and weak to moderate actinolite. Weak sericite-calcite. Mineralization consists of fine-grained cp-bo, with occasional medium-grained cp-bo associated with magnetite veinlets and fracture fillings. Minor chrysocolla in veinlets within weakly oxidized section ~134.8m. Mineralization is somewhat erratic. Generally weakly fractured and oxidized. 129.4-140.3 Moderately fractured, minor limonite, hematite on fractures. 131.3-131.5 Calcite stockwork bx, clasts-supported but rotated.
152.0	183.7	Bx-grey/pink	Distinctive grey and pink mottled, blocky bx. Aternating grey and pink blocks in greenish-pink Kf-albite matrix gives a strong patchy look. Blocks show wide range in size and angularity, as above Alteration is moderate Kf, mod-strong albite, moderate magnetite. Sericite-calcite is weak but stronger than above bx. Mineralization is more consistent than above, with mainly fine-grained cp and lesser bo associated with magnetite and locally albite-epidote. Mainly weakly fractured, increased around a probable fault. *167.6-168.8 Fault; less than 50% recovery, mainly fine angular and sericitic rubble. Minor limonite, malachite, and* chrysocolla. 175.0-175.7 Albite, sericite-calcite veining amongst pink monz blocks. 181.1-183.7 Distinctive green albite-epidote with patchy pink, pervasive alteration.
183.7	185.2	AP	Dark green porphyry with dark chlorite phenos to 0.5mm, and round epidote phenos (after olivine) to 2mm. Also, reddish hematized phenos to 1mm and round calcite amygdules to 3mm, all in a fine-grained chloritic groundmass. Cut by fine Kf veinlets and a few hematitic slips @ 60 to c.a. Dyke is split by 12cm of bx; first lower contact is broken, second upper contact @ 70 to c.a., bottom contact @ 45 to c.a. Second half is finer-grained than first.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
64.0	66.0	75879	0.106	0.040	0.09	6.19
66.0	68.0	75880	0.101	0.010	0.11	5.88
68.0	70.0	75882	0.120	0.047	0.13	5.70
70.0	72.0	75883	0.160	0.020	0.09	6.40
72.0	74.0	75884	0.133	0.010	0.13	6.11
74.0	76.0	75885	0.402	0.030	0.48	6.60
76.0	78.0	75886	0.310	0.018	0.45	3.50
78.0	80.0	75887	0.127	0.010	0.19	6.42
80.0	82.0	75888	0.074	0.008	0.09	5.80
82.0	84.0	75889	0.177	0.030	0.15	6.50
84.0	86.0	75890	0.102	0.020	0.07	5.95
86.0	88.0	75891	0.096	0.020	0.06	5.95
88.0	90.0	75892	0.082	0.023	0.03	5.40
90.0	92.0	75893	0.102	0.040	0.13	6.28
92.0	94.0	75894	0.109	0.030	0.08	6.48
94.0	96.0	75895	0.208	0.100	0.34	7.60
96.0	98.0	75896	0.106	0.030	0.07	5.97
98.0	100.0	75897	0.352	0.050	0.43	4.73
100.0	102.0	75898	0.079	0.009	0.04	6.60
102.0	104.0	75899	0.113	0.010	0.06	5.84
104.0	106.0	75900	0.100	0.005	0.04	13.20
106.0	108.3	75902	0.110	0.010	0.07	6.15
108.3	110.0	75903	0.150	0.020	0.13	5.04
110.0	112.0	75904	0.120	0.009	0.16	12.10
112.0	114.0	75905	0.095	0.002	0.05	11.80
114.0	116.0	75906	0.086	0.010	0.04	5.12
116.0	118.0	75907	0.345	0.030	0.09	4.78
118.0	120.0	75908	0.487	0.070	0.76	5.20
120.0	122.0	75909	0.200	0.014	0.19	4.40
122.0	124.0	75910	0.222	0.020	0.28	3.32
124.0	126.0	75911	0.467	0.040	0.54	4.77
126.0	128.0	75912	0.154	0.020	0.06	4.65
128.0	130.0	75913	0.273	0.060	0.25	4.36
130.0	132.0	75914	0.379	0.050	0.61	8.51
132.0	134.0	75915	0.334	0.120	0.50	5.04
134.0	136.0	75916	0.563	0.450	0.47	5.99
136.0	138.0	75917	0.487	0.470	0.36	6.12
138.0	140.0	75918	0.545	0.410	0.48	4.12
140.0	142.0	75919	0.362	0.120	0.52	4.89
142.0	144.0	75920	0.480	0.070	0.45	5.25
144.0	146.0	75922	0.509	0.050	0.28	5.87
146.0	148.0	75923	0.442	0.040	0.33	5.66

Lithology

From	To	LITH	Description
185.2	195.3	Bx-ab	Same as 181.1-183.7; strongly mottled pink and medium green-grey patchy bx with cloudy greenish albite between blocks of fine-grained pink and grey monzonites. Alteration is strong albite, moderate Kf and magnetite. Epidote appears to be associated with albite. Mineralization consists of moderate fine-grained cp-bo with magnetite and along albite-Kf contacts. Weakly fractured, mainly along calcite veinlets, minor sericite.
195.3	201.6	AgMz (Bx)	Dark grey, fine-grained augite monzonite, partially brecciated or cut by occasional spotted albite-Kf-magnetite veinlets. Contacts @ 50-55 to c.a. Alteration is strong magnetite, moderate albite-Kf. Mineralization is as before with fine-grained cp-bo, associated with magnetite blebs and veinlets. Interval is more fractured than albite bx's, calcite stockwork veinlets common. 197.0-197.1 Weakly gougy, hematitic shears, with 1cm of possible fault bx, all @ 25 to c.a. 197.3-199.3 Fine calcite veinlet stockwork, dominant orientation @ 70 to c.a. *Finer-grained but very similar to medium-grained augite monzonite @ 221.3-223.9m.*
201.6	208.0	Bx-ab	Pink-beige-grey patchy albite-rich bx, as before. Albite displays locally vuggy texture - very distinctive. Strong albite alteration, moderate Kf-magnetite. Mineralization is as before, fine-grained, weak to moderate cp-bo. *Fracturing weakening downhole.*
208.0	213.7	Dacite Dyke	Pale greenish-grey, fine-grained with crowded round 2mm sausseritized plagioclase phenos in weakly altered groundmass (sericite, minor chlorite-epidote). Very consistent until near lower contact see round plag? phenos to 4mm. Sharp, unsheared, irregular upper contact @ 40 to c.a., lower contact is more irregular @ 40 to c.a. Chill margins along upper contact is approx 1-2 cm thick. Post-mineral dyke.
213.7	221.3	Bx-ab	Pink-beige-grey patchy albite-rich bx, as before. Albite displays locally vuggy texture - very distinctive. Block boundaries are sharp; blocks are grey and pink monzonite, clast-supported, angular to subrounded. Strong albite alteration, moderate Kf-magnetite. Mineralization is as before, fine-grained, moderate cp-bo. Weakly fractured, cut by weak network of calcite veinlets. 217.6-218.5 Large block of fine-grained Kf-flooded monzonite, maked by 4-6cm of albite-magnetite-Kf matrix with cm-size clasts of pink and grey monz along both boundaries.
221.3	223.9	AgMz	Grey to pink-grey, medium-grained, porphyritic with augite (chl) phenos to 4mm. Phenos make up ~10% of unit, somewhat ragged appearance. Plag & Kf grains to 2mm. Contacts are sharp; upper @ 70, lower @ 60 to c.a., unsheared and with no obvious chill features. Inclusions of dark volcanic are rare but conspicuous. Weak potassic altn, magnetite remains quite strong. Cp-bo continues, associated with magnetite. Unit is very hard and weakly fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
148.0	150.0	75924	0.624	0.060	0.69	4.52
150.0	152.0	75925	0.662	0.150	0.69	5.11
152.0	154.0	75926	0.490	0.080	0.48	6.50
154.0	156.0	75927	0.679	0.080	0.37	5.50
156.0	158.0	75928	0.450	0.054	0.32	13.60
158.0	160.0	75929	0.470	0.090	0.34	5.36
160.0	162.0	75930	0.571	0.060	0.30	5.16
162.0	164.0	75931	0.497	0.050	0.17	5.83
164.0	166.0	75932	0.554	0.060	0.17	6.82
166.0	168.0	75933	0.516	0.060	0.22	7.08
168.0	170.0	75934	0.477	0.060	0.26	7.33
170.0	172.0	75935	0.370	0.040	0.23	6.41
172.0	174.0	75936	0.263	0.020	0.19	5.48
174.0	176.0	75937	0.190	0.080	0.21	6.40
176.0	178.0	75938	0.280	0.150	0.15	17.10
178.0	180.0	75939	0.381	0.070	0.19	7.08
180.0	182.0	75940	0.387	0.080	0.28	6.30
182.0	183.7	75942	0.284	0.020	0.13	5.44
183.7	185.2	75943	0.050	0.005	0.03	14.30
185.2	187.2	75944	0.280	0.025	0.19	19.50
187.2	189.2	75945	0.408	0.070	0.13	5.72
189.2	191.2	75946	0.290	0.060	0.17	14.10
191.2	193.2	75947	0.364	0.020	0.22	6.11
193.2	195.3	75948	0.499	0.060	0.50	5.32
195.3	197.4	75949	0.100	0.008	0.05	15.60
197.4	199.5	75950	0.069	0.010	0.07	6.30
199.5	201.6	75951	0.053	0.010	0.11	7.84
201.6	203.8	75952	0.199	0.040	0.37	4.93
203.8	206.0	75953	0.190	0.052	0.24	3.50
206.0	208.0	75954	0.118	0.010	0.15	4.04
208.0	210.0	75955	0.012	0.010	0.02	4.80
210.0	212.0	75956	0.013	0.010	0.02	4.60
212.0	213.7	75957	0.059	0.010	0.04	4.64
213.7	215.5	75958	0.338	0.040	0.28	5.70
215.5	217.5	75959	0.218	0.010	0.17	6.56
217.5	219.5	75960	0.170	0.012	0.27	13.90
219.5	221.3	75962	0.293	0.010	0.48	5.71
221.3	223.9	75963	0.069	0.010	0.06	5.36
223.9	226.0	75964	0.070	0.009	0.15	1.50
226.0	228.0	75965	0.134	0.020	0.17	2.96
228.0	230.0	75966	0.165	0.020	0.06	2.92
230.0	232.0	75967	0.310	0.010	0.35	6.70

Lithology

From	To	LITH	Description
223.9	226.0	Bx-ab	Patchy grey and pink, becoming strongly pink as lower contact is approached - transitional. Top is classic albite bx, as described above (213.7-221.3m), matrix supported to 224.6m. Around 224.8m, Kf stringers and local magnetite bx begins to dominate. Blocks continue to be pink, fine-grained, Kf-flooded monzonite and pinkish-grey, weakly porphyritic monzonite. Alteration changes from strong albite to strong Kf. Magnetite becomes more obvious in narrow bx zones. Mineralization consists of moderate fine to medium-grained cp and minor bo in magnetite grains in albite matrix, and disseminated with magnetite in pink section. Interval is weakly fractured and unoxidized.
226.0	276.2	Bx-pink	Strong consistent pink with lesser patchy grey, generally fine-grained, Kf-flooded with block boundaries much more diffuse. Clasts include fine-grained pink monzonite, occasional grey monz, possible augite monzonite (may in part form part of matrix), and smaller dark, fine-grained diorite or volcanics. Alteration is strong Kf, weak magnetite, weak to erratic actinolite. Chlorite and sericite increase on fractures. Mineralization is moderate to weak fine-grained cp, much less bo, often associated with magnetite stringer veinlets and fine (1mm) blebs. Distribution appears to be erratic. Minor but increasing very fine pyrite. Weakly to moderately fractured, locally with chlorite and calcite veinlets/fractures. 232.9 Malachite/chrysocolla on fracture. 233.0-233.7, 236.6-236.8, 236.0-237.3 Darker augite porphyry monzonite as blocks or possibly as irregular dykes. 237.3-239.5 Increased magnetite as veinlets and fracture fillings. Moderate fine-grained cp associated with earlier patchy and blebby magnetite, not in mag veinlets. 239.3-245.3 Moderately fractured, sericite-calcite, moderately oxidzed with limonite, hematite and black, weakly dendritic goethite on most fractures. Weak fine-grained cp. 245.3-253.0 Sharp transition from dominantly sericitic to chloritic fractures and stringers, sometimes with magnetite. Calcite common with chlorite. Fracturing lessens downhole. Weak fine-grained cp. 253.0-254.8 Strange, medium-grey, fine-grained quartz stockwork forming a late weak breccia matrix. Cut by calcite stringers. Not associated with weak cp. 255.3 Dark clasts becoming easier to see, likely due to decreasing intensity of potassic alteration. Sulphides becoming quite rare, possibly picking up fine-grained py. 262.3-264.3 Patchy pale green calcite-sericite superimposed on Kf-flooding, blebby magnetite unaffected, Possible fine cp/bo in magnetite grains. 270.0 Moderate disseminated fine-grained cp, minor py. 270.6-273.5 Vuggy section; brecciated with patially leached calcite-sericite. Moderate magnetite with fine-grained cp. 273.5-276.15 Weak to moderate, finely disseminated cp, py no longer dominantly associated with magnetite. Magnetite is quite weak with occasional fine veinlets. Unit remains Kf-flooded.
			EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
232.0	234.0	75968	0.123	0.020	0.08	3.08
234.0	236.0	75969	0.200	0.004	0.13	8.60
236.0	238.0	75970	0.170	0.006	0.15	10.10
238.0	240.0	75971	0.150	0.030	0.19	3.44
240.0	242.0	75972	0.116	0.030	0.13	1.49
242.0	244.0	75973	0.140	0.110	0.16	3.90
244.0	246.0	75974	0.140	0.020	0.15	5.40
246.0	248.0	75975	0.110	0.014	0.10	3.30
248.0	250.0	75976	0.140	0.030	0.11	3.43
250.0	252.0	75977	0.130	0.026	0.11	3.40
252.0	254.0	75978	0.096	0.030	0.13	1.63
254.0	256.0	75979	0.120	0.040	0.14	3.90
256.0	258.0	75980	0.130	0.003	0.13	7.40
258.0	260.0	75982	0.129	0.010	0.29	3.00
260.0	262.0	75983	0.105	0.010	0.15	3.66
262.0	264.0	75984	0.114	0.010	0.07	5.80
264.0	266.0	75985	0.085	0.010	0.06	2.44
266.0	268.0	75986	0.100	0.006	0.11	3.30
268.0	270.0	75987	0.158	0.010	0.20	4.46
270.0	272.0	75988	0.120	0.003	0.14	1.80
272.0	274.0	75989	0.113	0.010	0.11	1.47
274.0	276.1	75990	0.096	0.010	0.15	4.13

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-74

Zone	Springer	**Easting**	1649.9	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3455.9	**Logged By**	C. Wild
		Elevation	1166.1	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
78.0	270	-42	Acid Test
200.0	270	-43	Acid Test

Lithology

From	To	LITH	Description
0.0	4.3	Casing	No recovery.
4.3	7.1	Bx-ab	Pale orangy-pink and grey, mottled, very blocky, albite bx. Pink and grey, weakly porphyritic monzonite, dark diorite/gabbro or volcanic clasts and blocks, from <1cm to >10cm, subrounded to angular, clast and matrix supported, in a cream to greenish and pink matrix. Alteration is strong; Kf-albite, moderate blebby and disseminated magnetite. Moderately oxidized with minor limonite, hematite, and fine Mn-oxide dendrites on many fractures. No Cu-oxides observed, but minor tarnished cp and bo in larger weakly oxidized blocks, associated with blebby and veinlet magnetite. Mainly rubble.
7.1	11.8	Fault (Bx-ab)	Mainly cm-sized rounded to subangular albite bx rubble. Some of rubble appears to be broken along clast boundaries, other rubble is rounded, almost polished with redrilling and washing. Bits of greenish-grey clay gouge appear below 11.0m. Fault is oxidized but not obviously mineralized. Fracturing related to faulting persists for several metres into the footwall.
11.8	33.1	Bx-ab	As above; rubbly and moderately sericitic to 16.2m. Below 16.2m, bx is only weakly to moderately fractured. Rubbly section shows minor limonite, Mn-oxides, clay and sericite on fracture surfaces. Bx is strongly mottled with very distinctive pink-orange and grey, variably porphyritic clasts and dark grey, likely diorite, clasts in pale greenish-grey, sometimes vuggy, speckled albite-magnetite-Kf matrix. Locally matrix supported, mainly clast-supported with rounded to subangular clasts up to 50cm in size. Alteration is strong albite, moderate Kf-magnetite. Mineralization consists of fine-grained cp-bo disseminated throughout matrix associated with magnetite grains and veinlets. Minor Cu-oxides, mainly malachite, on some oxidized fractures and vugs. 14.6-14.9 Fault; up to 1cm of brown clay on fracture @ 10-20 to c.a. 17.9-18.1 AP Dyke; fine-grained, medium to dark green with fine dark chloritized augite phenos and round epidote-altered olivine phenos. Hematitic slip on upper contact @ 65 to c.a., broken lower contact.
33.1	33.8	Fault	Gougy rubble at contact between albite breccia and grey monzonite. Top 30cm is sericitic bx rubble that gives way to increased gouge at actual contact. Brown clay gouge, approx 5cm thick marks base of fault zone @ 50 to c.a., entirely within a 20cm thick dark green, fine-grained AP dyke. *Actual dyke contacts are sharp and unsheared*, upper @ 30 to c.a., lower @ 35-40 to c.a.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
4.3	7.1	75991	0.106	0.070	0.04	5.69
7.1	11.8	75992	0.118	0.050	0.04	6.84
11.8	14.0	75993	0.188	0.070	0.06	6.68
14.0	16.0	75994	0.120	0.060	0.04	5.28
16.0	18.0	75995	0.200	0.160	0.17	4.10
18.0	20.0	75996	0.096	0.060	0.06	4.87
20.0	22.0	75997	0.097	0.060	0.06	4.26
22.0	24.0	75998	0.140	0.094	0.12	14.60
24.0	26.0	75999	0.210	0.098	0.11	12.10
26.0	28.0	76000	0.134	0.110	0.06	6.46
28.0	30.0	76002	0.099	0.070	0.06	5.00
30.0	32.0	76003	0.069	0.045	0.05	4.90
32.0	33.4	76004	0.048	0.030	0.04	3.82
33.4	36.0	76005	0.042	0.010	0.02	5.44
36.0	38.0	76006	0.112	0.050	0.06	5.56
38.0	40.0	76007	0.130	0.055	0.05	5.30
40.0	42.0	76008	0.196	0.070	0.04	6.00
42.0	44.0	76009	0.132	0.080	0.04	5.44
44.0	46.0	76010	0.140	0.055	0.05	5.90
46.0	48.0	76011	0.128	0.090	0.06	6.15
48.0	50.8	76012	0.097	0.060	0.06	6.07
50.8	52.0	76013	0.105	0.030	0.06	5.20
52.0	54.0	76014	0.166	0.040	0.13	6.93
54.0	56.0	76015	0.044	0.020	0.02	5.59
56.0	58.0	76016	0.061	0.030	0.04	4.52
58.0	60.0	76017	0.099	0.040	0.04	5.96
60.0	62.0	76018	0.036	0.010	0.02	4.14
62.0	64.0	76019	0.064	0.008	0.04	4.50
64.0	66.0	76020	0.053	0.010	0.02	4.00
66.0	68.0	76022	0.066	0.010	0.08	3.40

Lithology

From	To	LITH	Description
33.8	50.8	Monz Dyke	Pale to medium grey-weakly pink, weak to moderately porphyritic with faint grey plag, pink Kf, and fine green/brown chlorite/biotite phenos. Dyke is weakly altered with minor albite and Kf, and moderate magnetite, including thin stringer veinlets, often followed with calcite. Minor fine-grained cp associate with magnetite. Limited fracturing, minor limonite. 39.3-39.9 Fracture zone, minor limonite (orange). 41.1-41.35 Dacite Dyke; 25cm thick pale greenish-grey, fine-grained with crowded round 2mm sausseritized plagioclase phenos in weakly altered groundmass (sericite, minor chlorite-epidote). Sharp, unsheared, irregular upper contact @ 65 to c.a., lower contact @ 70 to c.a. Chill margins along both contacts are approx 1-2 cm thick. Post-mineral dyke. Numerous calcite veinlets. 45.5-50.8 Numerous albite-sericite-calcite veinlets @ 0-10 to c.a. break up core. 50.1-50.2 AP Dyke; dark green with crowded chloritized phenos. Broken, but contacts are steep to c.a. 50.2-50.8 Strongly limonitic along fractures.
50.8	91.0	Bx-ab	Bx is strongly mottled with very distinctive pink-orange and grey, variably porphyritic clasts and dark grey, likely diorite, clasts in pale greenish-grey, sometimes vuggy, speckled albite-magnetite-Kf matrix. Locally matrix supported, mainly clast-supported with rounded to subangular clasts up to 50cm in size. *Alteration is strong albite, moderate Kf-magnetite.* Mineralization consists of fine-grained cp-bo erratically disseminated in matrix associated with magnetite grains and veinlets. Minor Cu-oxides, mainly malachite, on some oxidized fractures and vugs. Overall, mineralization is quite weak. Strongly oxidized over top 0.5m. Weakly fractured with short intervals of somewhat greater fracturing. 70.4-72.0 Pink plagioclase porphyry dyke; upper contact chilled over 1cm, @ 30 to c.a. Weakly magnetic, very weakly mineralized. 72.4-80.3 Vuggy albite bx, weakly oxidized. Weakly magnetic, weakly mineralized. 80.3-87.1 Becoming less vuggy, slightly less albitic. 87.1-89.6 Strongly vuggy section. 89.6-91.0 Less vuggy, as 80.3-87.1m. 90.3-90.4 Chilled dyke contact or irregular splay off dyke that does not cross core. Same as chilled margin of following dyke.
91.0	93.9	Monz Dyke	Pale to medium grey-weakly pink, weak to moderately porphyritic with faint grey plag, pink Kf, and fine green/brown chlorite/biotite phenos. Upper contact is sharp, unsheared, and irregular @ 35 to c.a., with clasts of pink bx incorporated into dyke. Contact displaced by up to 2cm along healed fractures. Lower contact is broken up, sheared with hematitic slickensides in bx; chilled. Dyke is weakly altered with minor albite and Kf, and moderate magnetite, including thin stringer veinlets, often followed with calcite. Trace fine-grained cp-bo associated with magnetite. Limited fracturing, hematitic.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
68.0	70.0	76023	0.120	0.002	0.10	3.10
70.0	72.0	76024	0.110	0.020	0.04	3.98
72.0	74.0	76025	0.033	0.011	0.04	3.90
74.0	76.0	76026	0.055	0.020	0.02	4.80
76.0	78.0	76027	0.078	0.050	0.06	5.60
78.0	80.0	76028	0.051	0.040	0.02	4.12
80.0	82.0	76029	0.029	0.010	0.02	4.45
82.0	84.0	76030	0.048	0.005	0.07	3.40
84.0	86.0	76031	0.067	0.010	0.06	3.06
86.0	88.0	76032	0.064	0.009	0.07	4.40
88.0	89.5	76033	0.041	0.004	0.03	3.30
89.5	91.0	76034	0.080	0.010	0.04	3.32
91.0	*93.9*	*76035*	*0.017*	*0.010*	*0.02*	*6.15*
93.9	96.0	76036	0.140	0.038	0.17	3.60
96.0	98.0	76037	0.148	0.010	0.19	3.75
98.0	100.0	76038	0.331	0.010	0.36	4.06
100.0	102.0	76039	0.227	0.010	0.21	5.11
102.0	104.0	76040	0.086	0.010	0.17	4.99
104.0	106.0	76042	0.099	0.010	0.15	3.75
106.0	108.0	76043	0.152	0.010	0.17	4.44
108.0	110.1	76044	0.319	0.010	0.44	5.92
110.1	112.2	76045	0.067	0.010	0.11	8.59
112.2	114.0	76046	0.412	0.020	0.59	5.38
114.0	116.0	76047	0.255	0.010	0.25	3.98
116.0	118.0	76048	0.360	0.012	0.36	5.30
118.0	120.0	76049	0.283	0.010	0.17	8.01
120.0	*122.0*	*76050*	*0.170*	*0.005*	*0.17*	*5.80*
122.0	124.0	76051	0.094	0.007	0.22	6.70
124.0	126.0	76052	0.200	0.012	0.27	7.50
126.0	128.0	76053	0.180	0.005	0.10	4.30
128.0	130.0	76054	0.140	0.013	0.36	7.50
130.0	132.0	76055	0.300	0.010	0.24	6.10
132.0	134.0	76056	0.300	0.016	0.24	3.40
134.0	136.0	76057	0.380	0.012	0.37	5.30
136.0	138.0	76058	0.354	0.010	0.40	7.04
138.0	*140.0*	*76059*	*0.158*	*0.010*	*0.15*	*5.80*
140.0	142.0	76060	0.102	0.010	0.11	3.56
142.0	144.0	76062	0.210	0.034	0.23	7.00
144.0	146.0	76063	0.180	0.077	0.33	5.10
146.0	148.0	76064	0.140	0.051	0.23	7.50
148.0	150.0	76065	0.370	0.097	0.49	14.40
150.0	152.0	76066	0.150	0.015	0.13	6.40

Lithology

From	To	LITH	Description
93.9	157.4	Bx-ab	Strongly albitic pink plagioclase porphyry, moderately brecciated. Plag phenos to 1-3mm, weakly seriate, moderately sausseritized, cut by stockwork of albite (+sericite) which locally rotate PP blocks. Bx is angular and block-supported. Alteration is moderate to strong Kf-albite-magnetite. Variably sericitic, suasseritized feldspars. Mineralization consists of finely disseminated cp and minor bo, commonly associated with magnetite-altered mafics and veinlets but also on thin fractures and veinlets, not obviously associated with magnetite. 104.3-110.1 Pink and grey, moderately plag porphyritic albite bx, more massive-looking. Fine-grained cp, minor py with thin magnetite vnlts, finely diss. 110.1-112.2 Strongly mottled, green, lesser pink. In part, appears to be brecciated augite monzonite. Upper contact is sharp, unsheared @ 60 to c.a., no chill effects. Well-brecciated, albitic with green and pink clasts. Weak cp. 112.2-118.7 Pink albite bx, as 104.3-110.1, vuggier. Moderate f-gr cp. Increasing fractures, some hematite and chl-ser slickensides. *118.7-119.2 Minor fault; zone of strong sericite-calcite fracturing, weak gouge and hematite slicks, mainly* subparallel to c.a. 119.2-123.0 Greenish-grey and pink, mottled, moderately albitic bx. Weak to mod cp. 121.3-121.4 Minor fault; sericite-calcite gouge & rubble. 123.0 Coarse blebby cp. *123.0-123.7 Pink albite bx.* 123.7-126.5 Same as 119.2-123.0m. 125.0 1-2cm greenish sericite gouge. 126.3-126.6 Pink, fine-grained block; albitic matrix on block boundaries is crumbly and sheared. 126.6-126.8 Minor fault; strong sericite-calcite gouge, rubble. 126.8-131.5 Same as 119.2-123.0m. 127.9-128.0 Minor fault; strong sericite-calcite gouge, rubble. 130.6 Gougy (mushy) fractures, shear zone. 131.5 Minor fault; narrow sericite-calcite slip. 131.5-133.4 Fine-grained pink bx. 132.0-132.4 Minor fault; strong sericite-calcite gouge, rubble. 132.4-137.5 Same as 119.2-123.0m. Mod cp. 137.5-139.1 Pink albite bx (131.5-133.4m). 139.1-139.9 Same as 119.2-123.0m. 139.9-141.1 Pink plag porphyry bx. 141.1-142.0 Fine-grained pink bx, massive-looking, weakly porphyritic. Mod cp, minor py. 142.0-143.1 Pink plag porphyritic, mod to vuggy albite. Limonitic on fracture surfaces. Cut by several magnetite veinlets with strong pyrite. 143.1-144.2 Fine-grained pink bx, massive-looking, weakly porphyritic. Mod cp, py. 144.2-145.1 Pink plag porphyritic mod albitic with strong py, mod cp. Limonitic fractures, occasional magnetite veinlets. 145.1-146.1 Fault; moderately fractured, mainly @ 10-35 to c.a., with abundant limonite, calcite, sericite, hematite with many slicks across oxidized fracture planes. Hosted in pink-grey mottled bx. 146.1-157.4 Dark pink and grey, strongly mottled with pink clasts in pale greenish albite-magnetite matrix. Subrounded to angular clasts, clast to matrix-supported. Strong to moderate py to ~150m, weak cp increasing after 150m. 146.7-146.8 Minor fault; mainly fine dark rubble, limonitic and carbonate-rich.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
152.0	154.0	76067	0.150	0.008	0.11	5.90
154.0	156.0	76068	0.140	0.021	0.16	8.90
156.0	157.4	76069	0.094	0.009	0.11	7.00
157.4	158.4	76070	0.021	0.004	0.03	6.10
158.4	160.0	76071	0.049	0.019	0.03	2.10
160.0	162.0	76072	0.074	0.047	0.07	2.70
162.0	164.7	76073	0.089	0.057	0.06	5.90
164.7	167.7	76074	0.130	0.046	0.57	6.45
167.7	170.0	76075	0.170	0.035	0.14	6.90
170.0	172.0	76076	0.087	0.040	0.08	4.70
172.0	174.0	76077	0.077	0.015	0.11	4.60
174.0	176.0	76078	0.060	0.013	0.05	3.20
176.0	*178.0*	*76079*	*0.039*	*0.030*	*0.04*	*2.36*
178.0	180.0	76080	0.074	0.012	0.11	3.30
180.0	182.0	76082	0.073	0.020	0.07	3.30
182.0	184.0	76083	0.094	0.023	0.09	3.50
184.0	186.0	76084	0.068	0.016	0.07	3.30
186.0	188.0	76085	0.085	0.023	0.17	4.40
188.0	190.0	76086	0.140	0.015	0.19	10.60
190.0	192.0	76087	0.130	0.008	0.11	12.70
192.0	194.0	76088	0.290	0.018	0.40	9.90
194.0	196.0	76089	0.078	0.010	0.04	5.22
196.0	198.0	76090	0.083	0.010	0.08	8.63
198.0	200.0	76091	0.152	0.013	0.06	9.32

Lithology

From	To	LITH	Description
157.4	158.4	AP Dyke	Sharp upper contact, displaced along several healed fractures, apparently @ 60 to c.a., with 5-10mm dark fine-grained chill margin. Lower contact also sharp @ 50 to c.a. Dyke is dark green, fine-grained and weakly porphyritic with 1mm phenos of chloritized augite. Fractures @10-30 to c.a. in centre of dyke, some shearing evident. 15cm inclusion of pink bx near centre, along one side of core.
158.4	162.0	Bx-pp	Strong pink, generally fine-grained plag porphyry with occasional subrounded clasts of dark green diorite to gabbro. Slightly less pink in centre of pink plag porphyry clasts. Alteration is strong Kf, weak albite & magnetite. Pale yellowish sericite and calcite on most fractures. Weak, fine-grained sulphides. Weakly fractured. Lower contact sharp, unsheared @ 70 to c.a. with weak alteration or chill margin. 160.0-160.1 Calcite-sericite-hematite shear, lower slip plane @ 45 to c.a.
162.0	164.7	Bx-ab	As before; pink and greenish, strongly mottled with pink, weak to strong plagioclase porphyry blocks and clasts in greenish albite-magnetite-Kf matrix. Wide range in size and shape of clasts, clearly clast-supported. Alteration is strong albite-magnetite, moderate Kf; with overprint of weak to moderate sericite. Limonite on some fractures. Weak fine-grained sulphides, py>cp. Weakly fractured, many with red hematite slicks @ 50-60 & 80 to c.a.
164.7	167.7	Dacite Dyke	Pale greenish-grey, fine-grained with crowded round 2mm sausseritized plagioclase phenos in weakly altered groundmass (sericite, minor chlorite-epidote). Very consistent. Round calcite amygdules to 4mm in centre of dyke. Calcite veinlets relatively common. Sharp, unsheared, irregular upper contact @ 50 to c.a., lower contact is more irregular @ 70 to c.a. Chill margins are approx 1-2 cm thick. Post-mineral dyke.
167.4	187.3	Bx-pink(pp)	Strong pink, alternating coarse to fine-grained plagioclase porphyry bx with occasional subrounded clasts of dark green diorite to gabbro. Slightly less pink in centre of fine-grained plag porphyry clasts. Lower contact is gradational. Alteration is strong Kf, weak albite, moderate but variable magnetite. Pale yellowish sericite and calcite on most fractures. Weak, fine-grained sulphides. Weak to moderate fracturing. Increased hematite-sericite slips near lower contact zone.
187.3	200.0	Bx; ab	Pink and greenish, strongly mottled with pink, weak to strong plagioclase porphyry blocks and clasts in greenish albite-magnetite-Kf matrix. Wide range in size and shape of clasts, clearly clast-supported. Alteration is strong albite-magnetite, moderate Kf; with overprint of weak to moderate sericite. Limonite on some fractures. Weak fine-grained sulphides. Weakly fractured. EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-75

Zone	Springer	**Easting**	1803.7	**Drilled By**	F. Boisvenu Drilling
Length (m)	200.0	**Northing**	3385.7	**Logged By**	C. Wild
		Elevation	1159.1	**Comments**	

Depth	Az	Dip	Survey Type
0.0	270	-45	Head Set
44.5	270	-41.5	Acid Test
200.0	270	-41.5	Acid Test

Lithology

From	To	LITH	Description
0.0	3.4	Casing	No recovery.
3.4	13.6	PPg	Pinkish brown, medium-grained plagioclase porphyry. Consistent texture with 1mm plag phenos, weakly seriate, in fine pinkish groundmass. Alteration is weak Kf in groundmass, weak magnetite, albite not identified. No mineralization evident. Very well-fractured, weakly limonitic (goethite, Mn-oxides) on fractures, with some rubbly, possibly gougy sections. 11.0-11.2 AP dyke; rubbly, medium green augite porphyry, broken up, likely faulted along both contacts.
13.6	17.0	AP Dyke	Medium green with abundant (15%) dark green 1-2mm chloritized augite phenos in a fine-grained chloritic groundmass, in places somewhat pinkish. Both contacts are well-fractured. Inclusions of rounded pp or bx fragments over top 20cm. 14.0 A few small pieces of PPg immediately following 46' block. Inclusion or minor cave material. 14.4 15cm inclusion or sliver of PPg. Contacts are sharp and unsheared, weakly chilled over 3-5mm, upper @ 70, lower @ 60 to c.a. Moderately fractured, more at contacts. Sheared lower contact, minor clay gouge, @ 70 to c.a.
17.0	20.7	PPg	As before (3.4-13.6m); mainly grey-brown plag porphyry with local wispy Kf alteration. Weak Cu-oxides on fractures within Kf zone (approx 18.5-18.9m) Again, quite well-fractured.
20.7	34.2	Bx-ab	Pink to orange and grey, strongly mottled; pink plag porphyry clasts, locally intensely oxidized to orange, in pale grey, locally orange stained matrix. Clasts range from <1cm to >20cm, are rounded to subangular, and clast-supported. Alteration is strong Kf, moderate to strong albite, and moderately magnetic. Sericite-calcite is weak. Mineralization consists of moderate to strong Cu-oxides on most fractures an locally in bx matrix. Chrysocolla > malachite >> azurite. Interval is moderately to strongly fractured through out with strong oxidation through rock. Fractures host limonite, including golden goethite, hematite, and black cupiferous goethite(?), in addition to Cu-oxides.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.4	6.0	76092	0.081	0.039	0.11	3.10
6.0	8.0	76093	0.051	0.016	0.15	3.30
8.0	11.0	76094	0.015	0.004	0.03	3.20
11.0	13.6	76095	0.037	0.013	0.08	4.10
13.6	17.0	76096	0.025	0.006	0.03	5.60
17.0	19.0	76097	0.130	0.095	0.06	3.30
19.0	20.7	76098	0.081	0.040	0.06	3.20
20.7	22.0	76099	0.200	0.150	0.15	8.30
22.0	24.0	76100	0.660	0.430	0.27	8.50
24.0	26.0	76102	0.500	0.270	0.52	8.70
26.0	28.0	76103	0.320	0.250	0.18	7.60
28.0	30.0	76104	0.325	0.260	0.25	7.55
30.0	32.0	76105	0.330	0.270	0.31	7.50
32.0	34.2	76106	0.420	0.370	0.29	8.10
34.2	37.1	76107	0.013	0.010	0.02	5.49
37.1	39.0	76108	0.400	0.350	0.22	7.10
39.0	41.0	76109	0.430	0.390	0.42	6.11
41.0	43.0	76110	0.340	0.330	0.65	7.12
43.0	45.0	76111	0.360	0.350	0.29	7.04
45.0	47.0	76112	0.340	0.260	0.25	7.58
47.0	49.0	76113	0.360	0.320	0.42	6.58
49.0	51.0	76114	0.260	0.220	0.25	7.60
51.0	53.0	76115	0.302	0.290	0.27	7.50
53.0	55.0	76116	0.330	0.210	0.25	7.23
55.0	57.0	76117	0.180	0.170	0.27	8.08
57.0	59.0	76118	0.340	0.310	0.46	7.31
59.0	61.0	76119	0.310	0.230	0.69	7.70
61.0	63.0	76120	0.272	0.250	0.29	6.92
63.0	65.0	76122	0.358	0.320	0.44	7.00
65.0	66.5	76123	0.397	0.300	0.53	7.35

Lithology

From	To	LITH	Description
34.2	37.1	AP Dyke	Medium green with abundant (15%) dark green 1-2mm chloritized augite phenos in a fine-grained chloritic groundmass, in places somewhat pinkish. Upper contact is sharp and weakly sheared @ 60 to c.a. Lower contact is well-fractured. Faint chill margins, finer phenos and paler groundmass. Moderately fractured, limonitic, occasional hematite slip @ 50 to c.a. No Cu-oxides.
37.1	59.7	Bx-ab	As before; pinker than most albite bx's. *Albitic matrix is clearly evident throughout and is locally vuggy.* Cu-oxides continue, slightly weaker than above dyke. Moderately fractured with abundant limonite, including golden and cupiferous goethite, minor hematite. Sericite and calcite are still common but only weak intensity. 39.5-39.9 Minor fault zone; minor sandy gouge, 7.5cm AP dyke @ 45 to c.a., and 10cm of strongly sericitized bx. 48.9-49.3 Minor fault; rubbly along hematite slip @ 10-20 to c.a. *56.6-57.4 Minor fault; strongly fractured, minor sandy and sericitic gouge.*
59.7	60.5	Fault	Grey to pink bx rubble, sand and gouge made up of hematite, sericite, clay. Minor Cu-oxides.
60.5	63.4	Bx-ab	Pink albite bx, as before. Cu-oxides common; chrysocolla>malachite. Weakly fractured, limonitic. 61.1 Dacite Dyke; grey, crowded 1mm phenos,7cm thick @ 75-80 to c.a.
63.4	63.8	Dacite Dyke	Dark grey to brownish, strongly plag porphyritic, with phenos up to 2mm diameter. Soft, strongly sausseritized, cut by clay-sericite-calcite slips. Sharp upper contact, marked by calcite veinlet @ 75 to c.a. Irregular lower contact, displaced along a healed low angle fracture - contact likely @ 70-80 to c.a.
63.8	66.5	Bx-ab	Pink albite bx, as before. 65.5-65.7 Minor fault; gougy sericite-calcite-hematite @ 65-70 to c.a.
66.5	68.2	PPg	Grey to pinkish, strongly porphyritic with plag tabular tro round phenos up to 6mm long, 10-20% of unit. Unusual, brecciated upper contact looks gradational. Lower contact has an unusual tail of brown finer-grained PPg, chilled, which makes orientation of dyke difficult to determine. This dyke is distinct from the porphyritic dyke 63.4-63.8m.
68.2	72.0	Bx-pink	Pink bx, orange-looking due to strong oxidation, less mottled with far less obvious clasts in a more Kf matrix with far less albite. Strong oxides, including very common blebby to dendritic cupiferous goethite, golden goethite, moderate hematite, chrysocolla and malachite. Weakly fractured.
72.0	72.5	Dacite Dyke	Greenish-brown, glassy-looking, fine-grained and weakly porphyritic with diffuse calcite amygdules. Sharp, unsheared contacts with strong chill margins, 5-7cm thick at upper and 2-3cm at lower contact. Both contacts @ 65 to c.a. Post-mineral, unaltered, weakly fractured.
72.5	73.2	Bx-ab	Yellowish pink, strongly mottled, as before. Moderate to strong Kf-albite, magnetite. Cu-oxides, both chrysocolla and malachite on fractures. Weakly fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
66.5	68.2	76124	0.081	0.050	0.11	4.80
68.2	70.0	76125	0.405	0.140	0.53	7.12
70.0	72.0	76126	0.553	0.350	0.71	5.53
72.0	72.5	76127	0.023	0.010	0.06	5.80
72.5	73.2	76128	0.330	0.270	0.37	7.70
73.2	73.9	76129	0.056	0.021	0.10	6.30
73.9	74.9	76130	0.230	0.200	0.33	5.00
74.9	75.6	76131	0.073	0.030	0.08	7.70
75.6	78.2	76132	0.323	0.200	0.42	6.69
78.2	80.7	76133	0.360	0.320	0.56	6.20
80.7	82.4	76134	0.054	0.030	0.06	6.11
82.4	84.4	76135	0.073	0.040	0.06	6.92
84.4	86.4	76136	0.071	0.035	0.10	6.98
86.4	88.4	76137	0.068	0.030	0.13	7.04
88.4	90.4	76138	0.110	0.061	0.16	5.00
90.4	92.2	76139	0.150	0.110	1.12	4.80
92.2	93.9	*76140*	*0.330*	*0.270*	*0.14*	*6.10*
93.9	96.1	76142	0.016	0.004	0.03	4.50
96.1	98.0	76143	0.300	0.240	0.46	8.00
98.0	100.0	76144	0.310	0.250	0.45	7.80
100.0	102.0	76145	0.280	0.220	0.19	7.47
102.0	104.0	76146	0.350	0.230	0.22	8.80
104.0	106.0	76147	0.480	0.320	0.31	7.30
106.0	108.0	76148	0.760	0.270	1.29	6.20
108.0	110.0	76149	0.980	0.630	1.28	6.50
110.0	112.0	76150	1.080	0.420	0.45	8.80
112.0	114.0	76151	1.110	0.420	0.46	7.60
114.0	116.0	76152	0.620	0.430	0.33	7.70
116.0	118.0	76153	0.460	0.390	0.24	7.30
118.0	120.0	76154	0.520	0.200	0.41	8.70
120.0	122.0	76155	0.450	0.210	0.29	6.80
122.0	124.0	76156	0.396	0.230	0.38	8.20
124.0	126.3	76157	0.440	0.190	0.27	7.10
126.3	126.6	*76158*	*0.022*	*0.007*	*0.05*	*8.00*
126.6	128.0	76159	0.618	0.060	0.38	6.54
128.0	130.0	76160	0.520	0.095	0.50	5.50
130.0	132.0	76162	0.570	0.076	0.37	5.20
132.0	134.0	76163	0.430	0.100	0.29	5.50
134.0	136.0	76164	0.240	0.240	0.56	5.30
136.0	138.0	76165	0.398	0.300	0.29	6.54
138.0	139.1	76166	0.212	0.080	0.15	6.03
139.1	140.8	76167	0.123	0.060	0.11	4.22

Lithology

From	To	LITH	Description
73.2	73.9	Dacite Dyke	Similar to previous dyke (72.0-72.5m), with calcite amygdules. Sharp, unsheared contacts with strong chill margins, ~2cm thick; upper contact @ 60 to c.a., lower @ 90 to c.a., both with slight offsets along later healed fractures. Weakly fractured.
73.9	74.9	Bx-ab	Pale to pink albite bx, as before. Weakly fractured.
74.9	75.6	Dacite Dyke	Similar to previous dykes (72.0-72.5m and 73.2-73.9m), with calcite amygdules and the addition of chloritized round mafic phenos. Sharp, unsheared contacts with strong chill margins, ~2cm thick; upper contact @ 45 to c.a., lower rolls from steep to flat to c.a., slight offsets along later healed fractures. Weakly fractured.
75.6	80.7	Bx-ab	As before; pinker than most albite bx's. Albitic matrix is clearly evident throughout and is locally vuggy. Cu-oxides, chrysocolla>malachite, continue, slightly weaker than above dyke. Weakly fractured with abundant limonite, including golden and cupiferous goethite, minor hematite and Mn-oxides. Sericite and calcite are still common but only weak intensity. 78.3-78.9 Moderately fractured along low angle hematitic slip and cross veinlets of calcite.
80.7	90.4	Monz Dyke	Medium grey to pinkish, medium-grained to weakly porphyritic with fine phenos og plag and chloritized mafics (augite). Finer-grained adjacent to both contacts, chill feature. Sharp but irregular contacts. Alteration is weak Kf-albite, moderate magnetite. Sericite-calcite weak to moderate. Mineralization is weak to absent. Unit is weakly fractured up to fault, strongly fractured through fault, and moderately fractured below fault. Weakly oxidized with very minor limonite. 88.1-88.6 Fault; moderate sandy gouge and rubble. Sharp "contacts" @ 60-70 to c.a.
90.4	93.9	Bx-pink	Strong pink, with much less obvious albite matrix, blocks of pink plagioclase porphyry in pink Kf-albite matrix, locally vuggy. Strong Kf, weak to moderate albite-magnetite. Sericite-calcite along fracture and vugs, moderate intensity. Weak to moderate Cu-oxides, mainly chrysocolla on fractures and in vugs. Moderately fractured.
93.9	96.1	AP Dyke	Pale to medium green, fine-grained, soft, locally mushy, with obvious chloritized augite phenos. Sheared upper contact @ 60 to c.a., cuts across a chunk of bx in dyke. Lower contact is broken, @ 70 to c.a. Weak 1cm purplish *chill margin along upper contact.* Alteration is strong sericite-calcite-chlorite, pervasive throughout dyke. Post mineral, post-potassic dyke. Moderately fractured with minor shearing.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
140.8	142.6	76168	0.130	0.039	0.17	4.70
142.6	144.6	76169	0.300	0.250	0.22	7.10
144.6	146.6	76170	0.340	0.300	0.21	7.35
146.6	148.6	76171	0.130	0.100	0.08	7.40
148.6	150.8	76172	0.140	0.025	0.15	5.10
150.8	153.1	76173	0.045	0.011	0.08	6.30
153.1	155.0	76174	0.373	0.040	0.23	7.54
155.0	157.0	76175	0.067	0.030	0.06	5.80
157.0	159.0	76176	0.280	0.120	0.11	7.80
159.0	161.0	76177	0.270	0.092	0.10	5.90
161.0	163.0	76178	0.240	0.059	0.12	6.75
163.0	165.0	76179	0.210	0.025	0.14	7.60
165.0	167.0	76180	0.170	0.085	0.11	5.10
167.0	169.0	76182	0.250	0.100	0.11	5.60
169.0	171.0	76183	0.230	0.076	0.12	6.30
171.0	173.0	76184	0.340	0.005	0.19	5.70
173.0	175.0	76185	0.230	0.009	0.14	6.50
175.0	177.0	76186	0.130	0.005	0.13	4.50
177.0	179.0	76187	0.300	0.007	0.22	4.80
179.0	181.0	76188	0.370	0.004	0.22	6.00
181.0	183.0	76189	0.230	0.012	0.13	5.80
183.0	185.0	76190	0.230	0.005	0.13	5.50
185.0	187.0	76191	0.260	0.008	0.15	7.70
187.0	187.5	76192	0.022	0.003	0.05	5.60
187.5	189.0	76193	0.310	0.005	0.17	6.30
189.0	191.0	76194	0.490	0.010	0.26	7.80
191.0	193.0	76195	0.840	0.010	0.36	7.80
193.0	195.0	76196	0.430	0.015	0.25	9.10
195.0	197.0	76197	0.130	0.002	0.11	6.30
197.0	198.5	76198	0.150	0.003	0.11	5.10
198.5	200.0	76199	0.270	0.006	0.14	7.90

Lithology

From	To	LITH	Description
96.1	126.3	Bx-ab	Pink, strongly mottled or patchy bx with clearly outlined blocks. As before; pinker than most albite bx's. Albitic matrix is clearly evident throughout and is locally vuggy. Cu-oxides continue, mainly chrysocolla. Moderately fractured with abundant limonite, including golden and cupiferous goethite, minor hematite. Sericite and calcite are still common but weaker in intensity. 97.5-97.7 Dacite Dyke?; pink to green, darker 5-7cm adjacent to contacts, calcite amygdules throughout. Contacts sharp, unsheared @ 70 to c.a. 106.2-106.4 Minor fault; mainly sericite-chlorite rubble with a lower 5mm clay seam @ 30 to c.a. 108.8-116.0 Sharp increase in golden goethite on most fractures. Strongest chrysocolla, minor malachite. 109.5 Minor fault; 10cm fine rubble. 112.8-113.0 Minor fault; sandy gouge and rubble, limonitic. 114.4-115.1 Well-fractured, strong golden goethite, very rusty, with moderate chrysocolla. 121.4-121.5 Minor fault; strongly sericitic with streaky limonite in sandy gouge. Minimal carbonate.
126.3	126.6	Dacite Dyke	Medium green, strong calcite-filled amygdules in most of dyke, otherwise very fine-grained. Contacts are sharp and unsheared with well developed chill margins 4-5cm thick, darker and even finer. Lower chill has calcite amygdules superimposed. Upper contact @ 30 to c.a., lower at 40 to c.a. with weak stoping of bx. Weakly fractured, post-mineral and alteration.
126.6	139.1	Bx-pink	Strong pink, with less obvious albite matrix, blocks of pink plagioclase porphyry in pink Kf-albite matrix, with *sections of more typical vuggy albite bx.* Strong Kf, weak to moderate albite-magnetite. Sericite-calcite along fracture and vugs, moderate intensity. Weak to moderate Cu-oxides, mainly malachite with lesser chrysocolla on fractures and in vugs. Malachite also along some magnetite veinlets. Minor fine-grained cp and rare bo visible associated with magnetite patched and vnlts. Weakly fractured.
139.1	142.6	AgMz	Medium grey to pinkish, weakly brecciated monzonite. Medium-grained to weakly porphyritic with occasional calcite amygdules, fuzzy feldspars, and occasional chloritized mafics, likely augite. Augite phenos are much weaker than typical for AgMz. Clasts of grey monzonite, subangular to rounded and up to 3cm in diameter, in monzonite matrix (intrusion bx). Alteration is weak to moderate Kf, uncertain to weak albite, moderate magnetite. Mineralization consists of occasional malachite on fractures and fine cp associated with fine patchy magnetite. Weakly fractured. Very diffuse contacts.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
142.6	150.8	Bx-ab	Polymictic bx is strongly mottled with very distinctive pink and grey, variably porphyritic clasts and dark grey, likely diorite, clasts in pale cream, sometimes vuggy, speckled albite-magnetite-Kf matrix. Locally matrix supported, mainly clast-supported with rounded to subangular clasts up to 50cm in size. Alteration is strong albite, moderate Kf-magnetite. Mineralization consists of fine-grained cp-bo erratically disseminated in matrix associated with magnetite grains and veinlets. Minor Cu-oxides, mainly malachite, on some oxidized fractures and vugs. Overall, mineralization is quite weak. Weakly fractured. 142.6-144.0 Dominately pink plag porphyry in albite matrix 144.0 Minor fault; 5-8cm of fine gougy rubble. 150.2-150.8 Resembles augite porphyry intrusion bx; strongly porphyritic with chloritized mafics and 2-5cm clasts of grey monzonite.
150.8	153.1	Dacite Dyke	Medium greenish-grey, fine-grained weakly porphyritic with partially carbonate-replaced phenos or amygdules, as seen in many of these dykes. Sharp, weakly sheared upper contact @ 70 to c.a., 1cm chill margin. Lower contact is sharp and unsheared @ 70-75 to c.a.with 1-5cm chill margin, widened by cm-size inclusions of host bx along contact. Dyke is weakly fractured, weak limonite. Post-mineral dyke, post-potassic alteration.
153.1	163.6	Bx-ab	Same as above dyke (142.6-150.8m). Continuing weakly oxidized. 155.3-155.5 Dacite Dyke; as above, somewhat darker and finer-grained due to chill effects. Sharp unsheared *contacts @ 75-80 to c.a.*
163.6	164.3	Fault	Strongly sericitized, moderate calcite, minor limonite, locally gougy rubble. Fine sandy gouge zone, 5-10cm thick, @ 164.2m.
164.3	175.8	Bx-ab	Mainly albite bx, as described above (142.6-150.8m). Significantly higher cp as degree of oxidation decreases (eg 172.5m). 164.7 Narrow sericitic fracture/shear zone. 167.4-170.7 Albite bx with mainly pink plag porphyry clasts. 170.7-175.8 Polymictic albite bx. Becoming very weakly oxidized and better mineralized.
175.8	177.6	PPp	Pink, strongly porphyritic, weakly brecciated dyke. Plag phenos 1-2mm, weakly seriate with larger rounder plag phenos that resemble quartz eyes. Both are sausseritized. Both contacts @ 30 to c.a. with 2.5cm dark chill margins. *176.7 2-4mm thick mag-cp veinlet .*
177.6	187.0	Bx-ab	Polymictic albite bx, as before (153.1-163.6m). More uniform than 164.3-175.3m. Unoxidized, more cp-rich, some coarse, associated with magnetite. Weakly fractured.
187.0	187.5	Dacite Dyke	Olive-green, fine-grained, weakly porphyritic with odd, partially calcite-replaced amygdules, as before. Sharp, unsheared contacts @ 75 to c.a., upper with obvious 5cm chill margin, lower also chilled over 5cm, partially obscured by fine calcite veinlets, subparallel to contact. Weakly fractured.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Lithology

From	To	LITH	Description
187.5	200.0	Bx-ab	*Mainly albite bx, polymictic with strong albitic matrix, with sections of pink and plag porphyritic bx, slightly less* albitic. Alteration is moderate to strong Kf-albite and magnetite. Magnetite occurs as disseminations through matrix and as crosscutting veinlets and fine stringers. Moderate fine to coarse cp, fine associated with magnetite, coarse often along late calcite veinlets (eg 191.3m). Continues relatively weakly fractured. 189.6-189.9 AP Dyke; dark green, chloritized augite and epidote-altered olivine phenos in fine-grained groundmass. Dyke is 25cm thick, with sharp, unsheared upper contact @ 60 to c.a. and lower contact @ 75 to c.a. Lower contact has 1cm thick dark grey fine-grained chill margin. Similar but weaker chill margin along upper contact. 192.7-192.9 AP Dyke, as described above. Upper contact @ 45 to c.a., marked by calcite veinlet, lower @ 60 to c.a., both sharp and unsheared with weak, narrow chill margins. Very well fractured. EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

Mount Polley Mining Corporation
A DIVISION OF IMPERIAL METALS CORPORATION
Mount Polley Mine

Drillhole Report

MP-01-76

Zone	C Pit	**Easting**	2153.8	**Drilled By**	F. Boisvenu Drilling
Length (m)	40.0	**Northing**	3295.0	**Logged By**	C. Wild
		Elevation	1060.1	**Comments**	

Depth	Az	Dip	Survey Type
0.0	0	-45	Head Set

Lithology

From	To	LITH	Description
0.0	3.1	Casing	No recovery.
3.1	41.5	Bx-grey/pink	Mainly massive-looking grey and pink mottled, blocky bx. Blocks show wide range in size and angularity, with clasts of pink and grey monzonite, fine to medium-grained and weakly porphyritic, in Kf-albite-magnetite matrix. Clast-supported. Alteration is strong Kf, weak to moderate albite, moderate to strong magnetite, and weak actinolite. Sericite-calcite is very weak, slightly stronger in oxidized zone. Mineralization is relatively strong and consistent, with mainly fine-grained cp and weak bo mainly on fractures, in veinlets and disseminated with fine blebby magnetite. Cp veinlets up to 5mm thick, most <1mm. Trace to minor fine-grained pyrite noted. Oxidized zone noted below dominated by moderate to strong chrysocolla and limonite, mainly golden goethite. Weak to locally moderate fracturing, no significant faulting or shear textures. 17.5-26.7 Oxide zone. Sharp "contact" with sulphide zone, transition from moderate fine-grained cp and weakly oxidized fractures to pervasive oxidation with relatively abundant chrysocolla in thin veinlets and along fractures. Chrysocolla weakens away from "contact", picks up again toward bottom of oxide zone. 19.7-23.6 Bx is more plagioclase porphyritic, with fainter blocks, more intrusion bx as host to hydrothermal brecciation. 26.8-27.5 Thin, <20cm thick, AP dyke, with very irregular contacts at approx 30 to c.a., displaced by >10cm along calcite-filled slip planes @ 50 to c.a. Dyke is dark green with round epidote-altered olivine phenos, rhombohedral chlorite-altered augite phenos,and tabular plagioclase phenos. Chilled. 35.5 2-5mm thick cp veinlet, with calcite, @ 30 to c.a. 38.5 1mm thick cp veinlet @ 40 to c.a. EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.0	5.0	76201	0.240	0.068	0.41	4.00
5.0	7.0	76202	0.350	0.008	0.79	5.20
7.0	9.0	76203	0.330	0.008	0.71	6.90
9.0	11.0	76204	0.300	0.010	0.86	6.40
11.0	13.0	76205	0.350	0.012	1.08	7.50
13.0	14.5	76206	0.220	0.011	0.32	5.10
14.5	16.0	76207	0.240	0.022	0.30	5.30
16.0	17.5	76208	0.290	0.014	0.65	6.90
17.5	19.5	76209	0.240	0.210	0.47	4.50
19.5	21.5	76210	0.100	0.038	0.18	4.40
21.5	23.5	76211	0.170	0.080	0.21	5.40
23.5	25.1	76212	0.440	0.200	0.23	6.70
25.1	26.7	76213	0.250	0.170	0.24	7.00
26.7	28.5	76214	0.110	0.005	0.14	5.90
28.5	30.5	76215	0.330	0.008	0.42	6.90
30.5	32.5	76216	0.550	0.010	0.69	7.90
32.5	34.5	76217	0.710	0.014	0.60	6.10
34.5	36.5	76218	0.540	0.016	0.62	5.90
36.5	38.5	76219	0.330	0.007	0.33	4.50
38.5	40.0	76220	0.270	0.220	0.11	6.10
40.0	41.5	76222	0.110	0.005	0.15	2.90

Mount Polley Mining Corporation
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Mount Polley Mine

Drillhole Report

MP-01-77

Zone	C Pit	**Easting**	2155.3	**Drilled By**	F. Boisvenu Drilling
Length (m)	40.0	**Northing**	3292.0	**Logged By**	C. Wild
		Elevation	1060.2	**Comments**	

Depth	Az	Dip	Survey Type
0.0	45	-45	Head Set

Lithology

From	To	LITH	Description
0.0	3.7	Casing	No recovery.
3.7	18.9	Bx-grey/pink	Variable grey and pink mottled, blocky bx. Blocks show wide range in size and angularity, with clasts of pink and grey monzonite, fine to medium-grained and weakly porphyritic, in Kf-albite-magnetite matrix. Clast-supported. Alteration is strong Kf, moderate albite, moderate magnetite (weaker in oxidized section), and weak to moderate biotite. Albite occurs as beige matrix speckled with fine-grained magnetite. Magnetite also occurs as irregular patches up to 10mm and as thin veinlets. Sericite-calcite is very weak, slightly stronger in oxidized zone. Mineralization is moderate but relatively erratic in distribution with mainly fine-grained cp and weak bo mainly on fractures, in veinlets and disseminated with fine blebby magnetite. Occasional blebby cp (eg @ 8.4m). Cp veinlets <1mm. *No significant pyrite noted. Oxidized zone noted below dominated by moderate to strong chrysocolla and* limonite, mainly yellowish goethite. Weak to locally moderate fracturing, no significant faulting or shear textures. 3.7-8.0 Oxide zone. Pervasive oxidation with relatively abundant chrysocolla in thin veinlets and along fractures that grades into darker unoxidized bx. 9.7-11.4 Darker, less pink with less cp.
18.9	23.6	AgMz	Medium grey, weakly pink, medium-grained plagioclase and augite (chlorite) porphyry, weakly brecciated by a stockwork of Kf-mag+/-actinolite veinlets. Plagioclase phenos average 1mm in size, relatively crowded, locally trachytic. Augites are less than 2%, rounded and less distinct. Sharp, unsheared upper contact @ 30 to c.a. Alteration is weak Kf-albite, moderate to strong magnetite. Mineralization consists of fine-grained cp associated with Kf-magnetite, generally weaker. Interval is only weakly fractured.
23.6	24.8	Fault	23.6-23.9 Pale yellowish sericite-clay gouge and calcite veining, @ 20-40 to c.a. Weakly limonitic. 23.9-24.2 Grey AgMz, as above. Strong clay-sericite on fractures. 24.2-24.6 Calcite vein bx. Distinctive vuggy texture with matrix-supported cm-size clasts of pink bx throughout. Upper contact marked by 5cm of sericite-clay gouge, contact @ 20 to c.a. 24.6-24.8 Pale yellowish sericite-clay gouge and calcite veining, @ 20-40 to c.a. Weakly limonitic.
24.8	30.5	AgMz	As above (18.9-23.6m). Increasing breccia, as dyke breaks up. Sharp, unsheared lower contact @ 25 to c.a. 26.4 2cm thick calcite vein breccia @ 40 to c.a. Clasts of augite monz and Kf-act veinlet cut by vein. 26.9-28.4 Fine-grained pink bx, with strong Kf-magnetite, moderate actinolite. Weak to moderate fine-grained cp. 28.6-28.8 As above, vuggy with 1mm thick cp veinlet @ 20 to c.a.

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %
3.7	6.0	76223	0.310	0.200	0.26	5.70
6.0	8.0	76224	0.240	0.160	0.16	2.90
8.0	10.0	76225	0.330	0.012	0.28	4.20
10.0	12.0	76226	0.290	0.015	0.60	5.40
12.0	14.0	76227	0.200	0.008	0.57	6.10
14.0	16.0	76228	0.250	0.026	0.47	5.10
16.0	17.5	76229	0.340	0.024	1.00	7.90
17.5	18.9	76230	0.210	0.019	0.84	5.20
18.9	20.5	76231	0.130	0.011	0.13	3.70
20.5	22.0	76232	0.170	0.008	0.15	3.80
22.0	23.6	76233	0.130	0.005	0.21	3.80
23.6	24.8	76234	0.260	0.074	0.48	3.40
24.8	26.8	76235	0.180	0.022	0.39	4.20
26.8	28.8	76236	0.310	0.018	0.57	7.40
28.8	30.5	76237	0.160	0.010	0.26	4.20
30.5	32.5	76238	0.190	0.010	0.43	4.80
32.5	34.0	76239	0.210	0.009	0.60	5.40
34.0	36.0	76240	0.370	0.016	0.85	7.20
36.0	37.8	76242	0.084	0.005	0.14	5.00
37.8	39.6	76243	0.065	0.007	0.11	4.10
39.6	41.5	76244	0.110	0.008	0.21	5.00

Lithology

From	To	LITH	Description
30.5	41.5	Bx-grey/pink	As before (8.0-18.9m). Weak to strong fine-grained cp, most commonly associated with magnetite on fractures, as replaced mafics, and occasional veinlets. Interval is moderately fractured, unoxidized but with increased sericite-calcite on fractures. Calcite veinlets are somewhat more common. 31.5 Several crosscutting 2-5mm thick actinolite veinlets, with strong Kf selvages. 34.0-36.2 Strong cp, locally blebby along veinlets often with magnetite, esp intersection points. 35.4-35.8 Strongly fractured. 37.8-41.45 Bx becomes more pale greenish with patchy Kf zones. Locally equigranular to weakly porphyritic monz. Minor to blebby cp associated with Kf-rich sections. Subtle increase in epidote, calcite, and lesser chlorite. EOH

Assay Results

From	To	Tag ID	TCu %	CuNS %	Au gpt	Fe %

ASSAY CERTIFICATES

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73506	1.986	0.423	2.54	7.19	010210f	1	
73509	0.396	0.019	0.4	5.37	010210f	2	
73511	0.439	0.025	0.55	4.21	010210f	3	
73512	0.692	0.031	1.12	14.6	010210f	4	
73516	0.451	0.024	1.07	9.1	010210f	5	
73553	0.221	0.059	0.49	3.51	010210f	6	
73554	0.319	0.055	0.29	3.68	010210f	7	
73555	0.129	0.046	0.15	3.91	010210f	8	
73556	0.092	0.017	0.12	3.55	010210f	9	
73557	0.065	0.01	0.08	3.5	010210f	10	
73560	0.037	0.004	0.04	2.98	010210f	11	
73561	0.069	0.031	0.07	3.28	010210f	12	
73562	0.036	0.005	0.07	3.27	010210f	13	
73563	0.063	0.005	0.11	3.01	010210f	14	
73564	0.067	0.004	0.08	3.04	010210f	15	
73565	1.118	0.827	3.46	3.91	010210f	16	
73566	0.887	0.663	3.38	3.94	010210f	17	
73567	0.683	0.552	1.67	3.34	010210f	18	
73570	0.231	0.183	0.33	2.68	010210f	19	
73573	0.473	0.376	0.29	4.43	010210f	20	
73574	0.347	0.257	0.44	3.69	010210f	21	
73577	0.445	0.37	0.28	3.29	010210f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73786	0.109	0.023	0.04	4.53	010223E	1	CORE
73787	0.09	0.014	0.05	6.11	010223E	2	
73788	0.063	0.011	0.03	7.42	010223E	3	
73789	0.035	0.005	0.01	5.05	010223E	4	
73790	0.041	0.008	0.02	6.47	010223E	5	
73791	0.075	0.049	0.03	6.17	010223E	6	
73792	0.063	0.025	0.03	5.89	010223E	7	
73793	0.032	0.001	0.01	6.46	010223E	8	
73794	0.019	0.007	0.02	5.79	010223E	9	
73795	0.028	0.004	0.02	4.94	010223E	10	
73796	0.044	0.015	0.02	5.75	010223E	11	
73797	0.045	0.003	0.02	4.3	010223E	12	
73798	0.04	0.002	0.01	4.52	010223E	13	
73799	0.182	0.028	0.04	5.33	010223E	14	
73800	0.036	0.008	0.02	4.88	010223E	15	
73801	0.033	0.019	0.02	3.99	010223E	16	
73802	0.099	0.082	0.03	4.75	010223E	17	
73803	0.164	0.087	0.05	4.76	010223E	18	
73804	0.426	0.128	0.34	1.57	010223E	19	
73805	0.071	0.006	0.01	5.41	010223E	20	
73806	0.204	0.017	0.07	5.06	010223E	21	
73807	0.102	0.024	0.04	5.62	010223E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73771	0.954	0.081	0.29	5.25	010221c	1	core
73772	0.472	0.058	0.19	5.09	010221c	2	
73773	0.476	0.055	0.23	4.94	010221c	3	
73774	0.335	0.034	0.15	4.9	010221c	4	
73775	0.36	0.019	0.2	4.57	010221c	5	
73776	0.198	0.044	0.07	4.98	010221c	6	
73777	0.306	0.052	0.24	5.63	010221c	7	
73778	0.348	0.015	0.26	4.23	010221c	8	
73779	0.143	0.011	0.04	4.55	010221c	9	
73780	0.07	0.025	0.01	4.92	010221c	10	
73781	0.19	0.009	0.06	7.67	010221c	11	
73782	0.084	0.006	0.03	6.75	010221c	12	
73783	0.077	0.005	0.03	5.8	010221c	13	
73784	0.089	0.006	0.02	4.49	010221c	14	
73785	0.096	0.005	0.04	4.54	010221c	15	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73739	1.502	0.537	1.49	3.98	010221b	1	
73740	1.426	0.088	1.35	3.76	010221b	2	
73751	1.559	0.098	1.64	4.64	010221b	3	
73752	1.559	0.09	1.49	5.38	010221b	4	
73753	0.537	0.135	0.82	5.77	010221b	5	
73754	0.34	0.112	0.63	4.97	010221b	6	
73755	0.22	0.048	0.31	5.48	010221b	7	
73756	0.352	0.082	0.47	8.03	010221b	8	
73757	0.462	0.253	0.64	6.89	010221b	9	
73758	0.291	0.228	0.26	6.82	010221b	10	
73759	0.38	0.046	0.31	6.39	010221b	11	
73760	0.435	0.315	0.57	8.61	010221b	12	
73761	0.414	0.28	0.51	8.38	010221b	13	
73762	0.298	0.077	0.27	5.73	010221b	14	
73763	0.834	0.055	0.66	6.61	010221b	15	
73764	0.458	0.026	0.53	6.04	010221b	16	
73765	0.548	0.035	0.59	6.4	010221b	17	
73766	0.419	0.027	0.25	7.51	010221b	18	
73767	0.269	0.009	0.14	6.17	010221b	19	
73768	0.33	0.015	0.14	6.73	010221b	20	
73769	0.248	0.013	0.09	5.86	010221b	21	
73770	0.319	0.025	0.13	5.43	010221b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73730	0.628	0.573	0.92	4.66	010219f	1	
73731	0.642	0.62	1.72	3.23	010219f	2	
73732	0.691	0.612	1.37	3.84	010219f	3	
73733	0.825	0.076	0.68	5.02	010219f	4	
73734	1.204	0.292	0.86	4.82	010219f	5	
73735	1.127	0.997	0.53	5.52	010219f	6	
73736	0.628	0.304	0.49	5.4	010219f	7	
73737	0.833	0.276	2.34	4.47	010219f	8	
73738	1.035	0.168	2.33	4.67	010219f	9	
73741	0.581	0.541	1.1	4.41	010219f	10	
73742	0.586	0.493	0.94	4.44	010219f	11	
73743	0.539	0.436	0.86	5.2	010219f	12	
73744	0.547	0.344	1	5.51	010219f	13	
73745	0.391	0.345	0.59	5.55	010219f	14	
73746	0.4	0.355	0.23	6.65	010219f	15	
73747	0.98	0.901	1.45	3.75	010219f	16	
73748	0.515	0.487	0.68	3.9	010219f	17	
73749	1.166	1.024	1.73	4.05	010219f	18	
73750	1.091	0.983	1.64	4.12	010219f	19	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73145	0.08	0.006	0.13	3.94	010219b	1	
73146	0.09	0.004	0.1	4.78	010219b	2	
73147	0.073	0.003	0.09	5.03	010219b	3	
73148	0.108	0.005	0.13	4.61	010219b	4	
73149	0.205	0.013	0.16	3.52	010219b	5	
73150	0.215	0.013	0.19	3.56	010219b	6	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
72617	0.22	0.025	0.29	5.78	010217d	1		
72618	0.122	0.008	0.11	5.42	010217d	2		
72619	0.185	0.011	0.28	5.03	010217d	3		
73126	0.787	0.054	1.72	12.9	010217d	4		
73127	1.394	0.064	1.18	11.4	010217d	5		
73128	0.959	0.035	0.82	13.6	010217d	6		
73129	0.317	0.03	0.2	3.11	010217d	7		
73130	0.309	0.264	0.31	5.25	010217d	8		
73131	0.549	0.375	0.92	8.94	010217d	9		
73132	0.677	0.234	0.96	8.02	010217d	10		
73133	0.207	0.146	0.24	6.71	010217d	11		
73134	0.042	0.021	0.06	4.46	010217d	12		
73135	0.062	0.025	0.03	4.85	010217d	13		
73136	0.061	0.03	0.03	4.74	010217d	14		
73137	0.07	0.007	0.06	4.98	010217d	15		
73138	0.069	0.005	0.07	4.55	010217d	16		
73139	0.04	0.014	0.01	20	010217d	17		
73140	0.015	0.008	0.01	13.8	010217d	18		
73141	0.421	0.017	0.71	8.29	010217d	19		
73142	0.297	0.019	0.64	7.61	010217d	20		
73143	0.16	0.01	0.23	6.08	010217d	21		
73144	0.271	0.015	0.47	7.23	010217d	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
72601	0.204	0.047	0.23	5.96	010217c	1		
72602	0.17	0.035	0.34	3.84	010217c	2		
72603	0.263	0.042	0.44	4.98	010217c	3		
72604	0.198	0.026	0.27	3.32	010217c	4		
72605	0.172	0.015	0.24	3.59	010217c	5		
72606	0.177	0.032	0.2	6.06	010217c	6		
72607	0.234	0.059	0.3	7	010217c	7		
72608	0.421	0.33	0.99	5.42	010217c	8		
72609	0.349	0.067	0.77	6.07	010217c	9		
72610	1.986	0.105	4.42	13.7	010217c	10		
72611	1.568	0.094	2.82	8.71	010217c	11		
72612	1.774	0.09	3.06	8.32	010217c	12		
72613	0.328	0.028	0.5	5.87	010217c	13		
72614	0.226	0.04	0.32	4.6	010217c	14		
72615	0.217	0.15	0.29	4.64	010217c	15		
72616	0.126	0.025	0.16	3.96	010217c	16		
73724	0.172	0.029	0.22	7.16	010217c	17		
73725	0.361	0.083	0.64	7.37	010217c	18		
73726	0.2	0.047	0.22	4.95	010217c	19		
73727	0.3	0.071	0.48	5.71	010217c	20		
73728	0.274	0.057	0.45	5.86	010217c	21		
73729	0.142	0.031	0.57	6.07	010217c	22		

QueryExport

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73702	0.21	0.135	0.09	5.33	010216i	1		
73703	0.318	0.081	0.1	6.18	010216i	2		
73704	0.411	0.077	0.4	6.94	010216i	3		
73705	0.943	0.122	0.69	7.29	010216i	4		
73706	0.337	0.045	0.19	7.24	010216i	5		
73707	0.201	0.031	0.15	5.86	010216i	6		
73708	0.208	0.033	0.12	6.71	010216i	7		
73709	0.101	0.013	0.12	5.86	010216i	8		
73710	0.102	0.013	0.12	5.98	010216i	9		
73711	0.1	0.016	0.09	6.85	010216i	10		
73712	0.097	0.025	0.12	7.25	010216i	11		
73713	0.149	0.031	0.13	7.53	010216i	12		
73714	0.099	0.01	0.08	6.86	010216i	13		
73715	0.039	0.005	0.04	5.73	010216i	14		
73716	0.063	0.007	0.05	5.96	010216i	15		
73717	0.176	0.033	0.12	5.03	010216i	16		
73718	0.165	0.021	0.15	4.79	010216i	17		
73719	0.253	0.046	0.22	4.72	010216i	18		
73720	0.146	0.021	0.12	3.91	010216i	19		
73721	0.235	0.05	0.17	5	010216i	20		
73722	0.182	0.037	0.17	4.56	010216i	21		
73723	0.518	0.091	0.91	5.88	010216i	22		

QueryExport

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73501	0.708	0.035	0.99	12.6	010216h	1		
73502	1.907	0.066	2.22	12.3	010216h	2		
73503	1.246	0.062	1.14	19	010216h	3		
73504	0.362	0.013	0.29	4.72	010216h	4		
73505	0.198	0.012	0.17	3.61	010216h	5		
73507	0.879	0.045	0.91	5.12	010216h	6		
73508	0.385	0.019	0.44	3.85	010216h	7		
73513	0.375	0.011	1.07	5.41	010216h	8		
73514	2.42	0.2	10.6	14.7	010216h	9		
73515	0.56	0.042	1.18	11.3	010216h	10		
73517	0.086	0.014	0.12	9.36	010216h	11		
73518	0.054	0.015	0.07	4.95	010216h	12		
73520	0.101	0.039	0.12	5.4	010216h	13		
73521	0.107	0.047	0.12	4.42	010216h	14		
73523	0.223	0.012	0.29	3.99	010216h	15		
73524	1.507	0.059	2.58	11.9	010216h	16		
73525	0.387	0.032	0.39	5.9	010216h	17		
73526	0.302	0.027	0.34	5.77	010216h	18		
73527	0.328	0.063	0.52	5.06	010216h	19		
73528	0.112	0.009	0.22	4.23	010216h	20		
73529	0.159	0.01	0.28	5.21	010216h	21		
73530	0.227	0.073	0.32	4.39	010216h	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73531	0.388	0.287	0.38	4.22	010216g	1		
73532	0.437	0.37	0.47	4.91	010216g	2		
73533	1.52	0.138	1.58	7.48	010216g	3		
73534	0.432	0.228	0.61	4.86	010216g	4		
73536	0.202	0.142	0.16	4.51	010216g	5		
73537	0.189	0.11	0.15	4.75	010216g	6		
73550	0.146	0.02	0.19	3.47	010216g	7		
73551	0.113	0.017	0.12	2.42	010216g	8		
73552	0.156	0.038	0.32	3.37	010216g	9		
73558	0.043	0.015	0.04	4.04	010216g	10		
73559	0.052	0.014	0.07	3.75	010216g	11		
73568	0.124	0.107	0.19	2.69	010216g	12		
73569	0.419	0.349	0.71	3.19	010216g	13		
73571	0.535	0.498	0.32	4.42	010216g	14		
73572	0.454	0.422	0.32	4.97	010216g	15		
73575	0.331	0.269	0.19	3.73	010216g	16		
73576	0.445	0.422	0.39	6.35	010216g	17		
73578	0.307	0.281	0.32	3.67	010216g	18		
73591	0.514	0.09	1.78	6.49	010216g	19		
73593	1.207	0.103	7.4	5.59	010216g	20		
73595	1.642	0.119	8.6	5.26	010216g	21		
73701	0.282	0.086	0.09	5.56	010216g	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73657	0.254	0.116	0.26	3.88	010216e	1		
73658	0.675	0.498	0.57	5.39	010216e	2		
73659	0.617	0.197	0.48	4.47	010216e	3		
73660	0.564	0.24	0.45	4.21	010216e	4		
73661	0.539	0.339	0.77	4.58	010216e	5		
73662	0.537	0.304	0.64	4.3	010216e	6		
73663	0.543	0.308	0.63	4.08	010216e	7		
73664	0.887	0.134	0.97	4.41	010216e	8		
73665	0.42	0.145	0.39	5.19	010216e	9		
73666	0.773	0.525	0.77	4.49	010216e	10		
73667	0.814	0.41	0.86	4.82	010216e	11		
73668	0.836	0.355	0.9	4.38	010216e	12		
73669	0.698	0.104	0.74	4.76	010216e	13		
73670	0.445	0.084	0.5	13.4	010216e	14		
73671	0.576	0.058	0.48	3.63	010216e	15		
73672	0.768	0.309	0.73	5.13	010216e	16		
73673	0.686	0.314	0.58	5.76	010216e	17		
73674	0.721	0.155	0.58	4.81	010216e	18		
73675	0.694	0.143	0.69	4.5	010216e	19		
73676	0.951	0.128	1.41	4.41	010216e	20		
73677	1.153	0.15	2.09	4.77	010216e	21		
73678	0.565	0.164	0.48	5.51	010216e	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73679	0.467	0.433	0.38	5.24	010216d	1		
73680	0.422	0.378	0.35	5.08	010216d	2		
73681	0.426	0.208	0.42	4.62	010216d	3		
73682	0.407	0.089	0.35	4.31	010216d	4		
73683	0.374	0.304	0.33	5.14	010216d	5		
73684	0.568	0.369	0.97	4.74	010216d	6		
73685	0.327	0.103	0.17	5.05	010216d	7		
73686	0.646	0.27	0.56	4.52	010216d	8		
73687	0.726	0.078	0.52	5.04	010216d	9		
73688	0.822	0.128	0.5	4.88	010216d	10		
73689	0.595	0.079	0.41	4.83	010216d	11		
73690	0.335	0.041	0.28	4.39	010216d	12		
73691	0.732	0.083	0.55	4.73	010216d	13		
73692	0.395	0.039	0.18	5	010216d	14		
73693	0.426	0.044	0.21	5.44	010216d	15		
73694	0.707	0.087	0.37	5.14	010216d	16		
73695	0.601	0.047	0.27	4.49	010216d	17		
73696	0.531	0.057	0.16	4.66	010216d	18		
73697	0.527	0.071	0.17	4.95	010216d	19		
73698	0.473	0.088	0.15	5	010216d	20		
73699	0.412	0.079	0.16	5.11	010216d	21		
73700	0.312	0.061	0.12	4.79	010216d	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
72419	0.387	0.304	0.43	5.25	010216b	1		
72420	0.707	0.448	1.21	4.94	010216b	2		
72421	1.108	0.476	2.8	4.49	010216b	3		
72422	0.602	0.202	1.03	4.88	010216b	4		
72423	0.324	0.128	0.26	4.05	010216b	5		
72424	0.358	0.02	0.22	3.9	010216b	6		
72425	0.523	0.072	0.33	4.35	010216b	7		
73615	0.479	0.041	0.75	4.98	010216b	8		
73619	0.556	0.062	0.92	5.32	010216b	9		
73621	0.789	0.074	1.43	4.85	010216b	10		
73622	0.849	0.071	1.24	5.28	010216b	11		
73623	0.835	0.082	1.57	4.86	010216b	12		
73624	0.674	0.055	0.84	4.56	010216b	13		
73625	0.623	0.054	0.69	4.86	010216b	14		
73626	0.679	0.062	0.77	5.49	010216b	15		
73638	0.565	0.053	0.19	5.64	010216b	16		
73639	0.516	0.052	0.2	5.72	010216b	17		
73640	0.676	0.065	0.21	6.19	010216b	18		
73649	0.138	0.026	0.06	6.47	010216b	19		
73654	0.372	0.156	0.33	4.06	010216b	20		
73655	0.265	0.072	0.32	3.49	010216b	21		
73656	0.314	0.079	0.36	3.6	010216b	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73610	0.895	0.097	1.88	5.07	010214c	1	
73612	0.826	0.085	1.9	4.7	010214c	2	
73613	0.929	0.079	1.5	4.81	010214c	3	
73614	1.047	0.113	2.06	4.99	010214c	4	
73618	0.538	0.063	1.08	5.77	010214c	5	
73620	0.785	0.081	1.16	5.17	010214c	6	
73627	0.546	0.062	0.53	5.32	010214c	7	
73628	0.327	0.053	0.22	5.16	010214c	8	
73629	0.367	0.052	0.21	4.9	010214c	9	
73630	0.401	0.054	0.21	5.36	010214c	10	
73632	0.516	0.061	0.2	5.71	010214c	11	
73634	0.822	0.094	0.53	5.91	010214c	12	
73635	0.528	0.071	0.24	6.21	010214c	13	
73637	0.473	0.074	0.26	5.88	010214c	14	
73641	0.547	0.071	0.19	5.22	010214c	15	
73647	0.233	0.051	0.11	5.39	010214c	16	
73648	0.211	0.062	0.09	6.34	010214c	17	
73651	0.192	0.043	0.07	5.32	010214c	18	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73547	0.177	0.11	0.12	3.26	010214b	1	
73548	0.106	0.046	0.08	2.77	010214b	2	
73549	0.136	0.032	0.08	3.61	010214b	3	
73584	1.043	0.604	1.84	4.45	010214b	4	
73585	1.164	0.618	1.7	5	010214b	5	
73586	0.282	0.149	0.54	4.93	010214b	6	
73587	0.278	0.072	0.56	5.08	010214b	7	
73588	0.571	0.122	0.78	5.88	010214b	8	
73589	0.625	0.115	2.02	5.35	010214b	9	
73590	1.119	0.252	5.36	5.36	010214b	10	
73592	0.995	0.175	5.46	5.43	010214b	11	
73594	1.52	0.095	9.66	5.06	010214b	12	
73596	1.711	0.103	9.1	4.9	010214b	13	
73597	0.658	0.06	3.74	4.94	010214b	14	
73598	0.771	0.11	4.38	3.28	010214b	15	
73599	0.278	0.034	0.66	3.09	010214b	16	
73600	0.345	0.037	0.58	3.04	010214b	17	
73602	0.354	0.035	1.1	2.61	010214b	18	
73605	0.891	0.08	2.7	4.53	010214b	19	
73607	0.693	0.089	1.8	4.53	010214b	20	
73608	1.193	0.11	2.72	4.64	010214b	21	
73609	0.608	0.066	1.26	3.75	010214b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72410	0.174	0.03	0.13	4.16	010214a	1	
72413	0.127	0.028	0.05	5.9	010214a	2	
72414	0.191	0.036	0.12	7.98	010214a	3	
72416	0.263	0.038	0.19	6.31	010214a	4	
72417	0.253	0.061	0.09	6.74	010214a	5	
72418	0.263	0.064	0.11	6.18	010214a	6	
73510	0.439	0.033	0.65	6.18	010214a	7	
73519	0.079	0.039	0.09	5.45	010214a	8	
73522	0.648	0.03	0.63	5.4	010214a	9	
73535	0.095	0.037	0.08	4.65	010214a	10	
73538	0.18	0.015	0.16	4.45	010214a	11	
73539	0.224	0.032	0.26	4.72	010214a	12	
73540	0.141	0.008	0.17	4.37	010214a	13	
73542	0.178	0.01	0.23	4.05	010214a	14	
73543	0.106	0.01	0.09	4.47	010214a	15	
73545	0.166	0.025	0.11	4.43	010214a	16	
73546	0.091	0.04	0.06	4.28	010214a	17	
73645	0.254	0.048	0.12	5.98	010214a	18	
73646	0.291	0.055	0.26	4.91	010214a	19	
73650	0.193	0.033	0.08	6.06	010214a	20	
73652	0.167	0.03	0.1	5.82	010214a	21	
73653	0.402	0.079	0.49	6.03	010214a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72411	0.182	0.036	0.12	3.28	010213b	1	
72412	0.106	0.019	0.05	6	010213b	2	
72415	0.285	0.046	0.37	6.29	010213b	3	
73541	0.075	0.006	0.03	3.71	010213b	4	
73544	0.095	0.015	0.04	3.76	010213b	5	
73579	0.317	0.28	0.27	3.38	010213b	6	
73580	0.562	0.452	0.48	5.51	010213b	7	
73581	0.499	0.396	0.67	4.65	010213b	8	
73582	0.529	0.474	0.83	4.36	010213b	9	
73583	0.296	0.068	0.42	5.15	010213b	10	
73601	0.364	0.049	0.62	3.34	010213b	11	
73603	0.762	0.101	2.16	3.97	010213b	12	
73604	0.705	0.093	2.03	3.81	010213b	13	
73606	0.986	0.086	2.59	4.06	010213b	14	
73611	0.807	0.07	1.68	4.67	010213b	15	
73617	0.836	0.105	1.92	5.55	010213b	16	
73631	0.533	0.061	0.31	6.11	010213b	17	
73633	0.346	0.042	0.23	5.22	010213b	18	
73636	0.734	0.095	0.46	7.75	010213b	19	
73642	0.4	0.041	0.15	5.21	010213b	20	
73643	0.33	0.041	0.15	4.93	010213b	21	
73644	0.331	0.04	0.13	5.23	010213b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73808	0.099	0.014	0.02	5.47	010223F	1	CORE
73809	0.125	0.003	0.03	5.38	010223F	2	
73810	0.104	0.002	0.03	5.34	010223F	3	
73811	0.245	0.008	0.05	5.62	010223F	4	
73812	0.172	0.004	0.06	4.98	010223F	5	
73813	0.289	0.007	0.08	4.68	010223F	6	
73814	0.133	0.005	0.05	3.82	010223F	7	
73815	0.266	0.008	0.09	6.6	010223F	8	
73816	0.271	0.009	0.06	5.64	010223F	9	
73817	0.255	0.008	0.06	6.12	010223F	10	
73818	0.202	0.017	0.08	6.57	010223F	11	
73819	0.277	0.019	0.09	5.44	010223F	12	
73820	0.355	0.02	0.12	5.1	010223F	13	
73821	0.555	0.033	0.2	5.01	010223F	14	
73822	0.557	0.037	0.19	5.98	010223F	15	
73823	0.355	0.026	0.13	5.8	010223F	16	
73824	0.317	0.023	0.13	6.18	010223F	17	
73825	0.591	0.039	0.18	6.7	010223F	18	
73826	0.569	0.026	0.24	5.77	010223F	19	
73827	0.626	0.022	0.3	5.74	010223F	20	
73828	0.603	0.017	0.23	5.42	010223F	21	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73829	0.603	0.03	0.19	6.03	010224b	1	core
73830	0.352	0.021	0.12	5.18	010224b	2	
73831	0.571	0.028	0.16	5.08	010224b	3	
73832	0.535	0.032	0.17	4.51	010224b	4	
73833	0.594	0.044	0.21	5.5	010224b	5	
73834	0.508	0.041	0.28	5.37	010224b	6	
73835	0.601	0.067	0.34	7.17	010224b	7	
73836	0.601	0.051	0.35	6.73	010224b	8	
73837	0.474	0.022	0.22	6.12	010224b	9	
73838	0.514	0.021	0.25	5.45	010224b	10	
73839	0.731	0.026	0.34	6.1	010224b	11	
73840	0.198	0.009	0.08	5.13	010224b	12	
73841	0.374	0.013	0.16	5.82	010224b	13	
73842	0.865	0.028	0.51	5.24	010224b	14	
73843	0.817	0.032	0.46	5.38	010224b	15	
73844	0.56	0.022	0.35	5.98	010224b	16	
73845	0.472	0.019	0.35	5.67	010224b	17	
73846	0.497	0.022	0.49	5.07	010224b	18	
73847	0.734	0.032	0.74	5.19	010224b	19	
73848	1.002	0.067	1.25	6.01	010224b	20	
73849	0.822	0.069	1.04	5.86	010224b	21	
73850	0.531	0.021	0.52	4.97	010224b	22	

QueryExport

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73323	0.006	0.001	0.01	4.32	010302g	1	
73324	0.484	0.058	0.39	6.56	010302g	2	
73325	0.458	0.044	0.44	5.92	010302g	3	
73326	0.448	0.033	0.44	5.83	010302g	4	
73327	0.317	0.022	0.29	6.18	010302g	5	
73328	0.543	0.026	0.49	6.43	010302g	6	
73329	0.45	0.032	0.43	6.11	010302g	7	
73330	0.465	0.03	0.44	7.32	010302g	8	
73331	0.418	0.023	0.46	6.44	010302g	9	
73332	0.357	0.015	0.39	6.75	010302g	10	
73333	0.376	0.016	0.39	7.35	010302g	11	
73334	0.615	0.044	0.56	5.75	010302g	12	
73335	0.07	0.047	0.03	5.33	010302g	13	
73336	0.056	0.029	0.03	5	010302g	14	
73337	0.153	0.101	0.05	5.44	010302g	15	
73338	0.06	0.024	0.04	4.63	010302g	16	
73339	0.08	0.05	0.03	6.51	010302g	17	
74243	0.287	0.085	0.26	6.4	010302g	18	
74244	0.707	0.142	0.28	7.68	010302g	19	
74246	0.431	0.135	0.33	7.21	010302g	20	
74247	0.082	0.032	0.07	5.83	010302g	21	
74248	0.233	0.081	0.25	6.52	010302g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73301	1.173	0.154	1.3	5.82	010302f	1	
73302	1.105	0.317	1.96	5.01	010302f	2	
73303	0.847	0.199	1.5	3.76	010302f	3	
73304	0.745	0.049	0.92	5.35	010302f	4	
73305	0.441	0.112	0.65	6.24	010302f	5	
73306	0.615	0.29	0.92	4.48	010302f	6	
73307	0.419	0.197	0.61	4.57	010302f	7	
73308	0.227	0.034	0.28	5.77	010302f	8	
73309	0.285	0.027	0.3	6	010302f	9	
73310	0.18	0.025	0.23	6.02	010302f	10	
73311	0.168	0.028	0.22	5.73	010302f	11	
73312	0.171	0.026	0.49	5.83	010302f	12	
73313	0.146	0.029	0.15	6.12	010302f	13	
73314	0.15	0.049	0.14	6.75	010302f	14	
73315	0.654	0.193	0.72	7.99	010302f	15	
73316	0.01	0.002	0.02	4.7	010302f	16	
73317	0.467	0.046	0.68	6.69	010302f	17	
73318	0.192	0.016	0.08	5.1	010302f	18	
73319	0.249	0.019	0.11	5.71	010302f	19	
73320	0.017	0.001	0.01	5.06	010302f	20	
73321	0.008	0.001	0.01	5.08	010302f	21	
73322	0.01	0.001	0.01	4.76	010302f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74236	0.246	0.012	0.15	4.32	010301h	1	
74237	0.798	0.098	0.42	7.52	010301h	2	
74238	0.393	0.05	0.22	8.21	010301h	3	
74239	0.405	0.025	0.16	7.79	010301h	4	
74240	0.25	0.059	0.16	6.76	010301h	5	
74241	0.278	0.023	0.18	5.79	010301h	6	
74242	0.296	0.076	0.23	5.63	010301h	7	
42851	0.046	0.005	0.05	3.08	010301h	8	
42852	0.041	0.004	0.04	3.1	010301h	9	
42853	0.037	0.004	0.05	3.12	010301h	10	
42854	0.025	0.002	0.02	4.57	010301h	11	
42855	0.033	0.004	0.16	3.5	010301h	12	
42856	0.05	0.003	0.07	4.47	010301h	13	
42857	0.054	0.002	0.08	5.13	010301h	14	
42858	0.128	0.092	0.08	3.76	010301h	15	
42859	0.149	0.119	0.18	4.24	010301h	16	
42860	0.176	0.146	0.36	3.92	010301h	17	
42861	0.584	0.476	0.5	5.63	010301h	18	
42862	0.421	0.205	0.34	5.95	010301h	19	
42863	0.151	0.078	0.11	4.96	010301h	20	
42864	0.133	0.067	0.09	4.09	010301h	21	
42865	0.095	0.049	0.06	4.08	010301h	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74214	0.025	0.003	0.01	5.62	010301g	1	
74215	0.11	0.012	0.08	3.9	010301g	2	
74216	0.113	0.011	0.09	3.94	010301g	3	
74217	0.138	0.005	0.07	4.47	010301g	4	
74218	0.172	0.003	0.13	4.93	010301g	5	
74219	0.144	0.006	0.11	7.02	010301g	6	
74220	0.267	0.008	0.14	5.67	010301g	7	
74221	0.255	0.011	0.16	6.42	010301g	8	
74222	0.01	0.001	0.01	6.15	010301g	9	
74223	0.048	0.001	0.03	7.27	010301g	10	
74224	0.349	0.014	0.18	7.1	010301g	11	
74225	0.195	0.009	0.1	5.3	010301g	12	
74226	0.114	0.004	0.06	5.27	010301g	13	
74227	0.123	0.005	0.07	5.34	010301g	14	
74228	0.194	0.008	0.12	5.79	010301g	15	
74229	0.179	0.007	0.08	5.72	010301g	16	
74230	0.13	0.005	0.07	5.34	010301g	17	
74231	0.155	0.007	0.08	5.37	010301g	18	
74232	0.129	0.005	0.06	5.35	010301g	19	
74233	0.203	0.008	0.41	5.26	010301g	20	
74234	0.321	0.014	0.21	9.59	010301g	21	
74235	0.249	0.009	0.11	7.15	010301g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74191	0.09	0.006	0.03	3.77	010301f	1	
74192	0.101	0.006	0.03	3.6	010301f	2	
74193	0.098	0.001	0.06	3.54	010301f	3	
74194	0.027	0.001	0.01	5.98	010301f	4	
74195	0.132	0.005	0.11	4.11	010301f	5	
74196	0.187	0.008	0.12	4.9	010301f	6	
74197	0.074	0.001	0.07	5.4	010301f	7	
74199	0.107	0.001	0.08	4.06	010301f	8	
74200	0.171	0.005	0.13	4.39	010301f	9	
74201	0.093	0.003	0.05	3.99	010301f	10	
74202	0.025	0.001	0.02	4	010301f	11	
74203	0.371	0.001	0.04	4.14	010301f	12	
74204	0.021	0.001	0.03	4.14	010301f	13	
74205	0.232	0.006	0.22	5.75	010301f	14	
74206	0.155	0.012	0.15	4.66	010301f	15	
74207	0.302	0.008	0.18	3.47	010301f	16	
74208	0.388	0.038	0.25	7.03	010301f	17	
74209	0.144	0.009	0.14	5.58	010301f	18	
74210?	0.109	0.012	0.13	6.6	010301f	19	
74211	0.196	0.008	0.17	5.56	010301f	20	
74212	0.124	0.004	0.11	5.02	010301f	21	
74213	0.084	0.004	0.06	5.08	010301f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
42849	0.224	0.131	0.2	7.05	010301e	1	
42958	0.037	0.019	0.01	3.14	010301e	2	
42959	0.164	0.077	0.3	5.67	010301e	3	
42960	0.453	0.034	0.57	7.84	010301e	4	
42961	0.3	0.021	0.26	6.88	010301e	5	
42962	0.187	0.022	0.07	6.4	010301e	6	
42963	0.282	0.014	0.15	6.83	010301e	7	
42964	0.221	0.028	0.24	6.34	010301e	8	
42965	0.128	0.019	0.11	5.86	010301e	9	
42966	0.117	0.019	0.1	5.76	010301e	10	
42967	0.073	0.026	0.08	4.11	010301e	11	
42968	0.051	0.009	0.58	4.57	010301e	12	
42969	0.062	0.009	0.14	4.29	010301e	13	
42970	0.069	0.005	0.07	4.36	010301e	14	
42971	0.086	0.002	0.48	4.6	010301e	15	
42972	0.03	0.001	0.19	5.54	010301e	16	
42973	0.054	0.008	0.23	4.67	010301e	17	
42974	0.051	0.006	0.21	4.76	010301e	18	
74187	0.081	0.006	0.06	5.01	010301e	19	
74188	0.083	0.003	0.04	5.67	010301e	20	
74189	0.01	0.001	0.01	5.46	010301e	21	
74190	0.07	0.007	0.04	5.39	010301e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
42892	0.06	0.02	0.11	5.55	010301d	1	
42893	0.21	0.031	0.66	7.25	010301d	2	
42894	0.217	0.041	0.32	6.44	010301d	3	
42895	0.514	0.046	0.9	8.6	010301d	4	
42896	0.121	0.056	0.19	6.3	010301d	5	
42897	0.262	0.1	0.79	8.27	010301d	6	
42898	0.283	0.03	0.79	7.82	010301d	7	
42899	0.355	0.021	0.83	7.04	010301d	8	
42900	0.124	0.021	0.21	6.43	010301d	9	
42901	0.097	0.033	0.16	5.38	010301d	10	
42902	0.105	0.017	0.21	6.43	010301d	11	
42903	0.055	0.021	0.07	5.54	010301d	12	
42904	0.266	0.041	0.49	5.95	010301d	13	
42905	0.075	0.013	0.15	5.58	010301d	14	
42906	0.064	0.011	0.06	5.85	010301d	15	
42907	0.286	0.018	0.64	6.65	010301d	16	
42908	0.314	0.025	0.64	6.65	010301d	17	
74182	0.25	0.008	0.19	6.17	010301d	18	
74183	0.241	0.007	0.18	6.15	010301d	19	
74184	0.226	0.007	0.29	5.71	010301d	20	
74185	0.193	0.004	0.16	5.62	010301d	21	
74186	0.123	0.006	0.16	6.01	010301d	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74160	0.035	0.004	0.08	6.15	010301b	1	
74161	0.029	0.002	0.08	6.32	010301b	2	
74162	0.038	0.002	0.02	6.46	010301b	3	
74163	0.132	0.01	0.21	3.72	010301b	4	
74164	0.106	0.007	0.08	4.43	010301b	5	
74165	0.111	0.005	0.18	5.43	010301b	6	
74166	0.024	0.001	0.01	5.48	010301b	7	
74167	0.03	0.002	0.03	5.88	010301b	8	
74168	0.113	0.005	0.15	5.49	010301b	9	
74169	0.156	0.006	0.2	5.83	010301b	10	
74170	0.144	0.008	0.18	5.95	010301b	11	
74171	0.051	0.002	0.05	5.77	010301b	12	
74172	0.077	0.007	0.09	4.4	010301b	13	
74173	0.108	0.01	0.15	5.07	010301b	14	
74174	0.112	0.007	0.11	5.05	010301b	15	
74175	0.091	0.005	0.13	4.18	010301b	16	
74176	0.186	0.008	0.24	4.98	010301b	17	
74177	0.129	0.009	0.05	5.93	010301b	18	
74178	0.185	0.008	0.2	5.17	010301b	19	
74179	0.287	0.029	0.26	5.68	010301b	20	
74180	0.139	0.016	0.1	6.4	010301b	21	
74181	0.139	0.011	0.08	6.79	010301b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73991	0.102	0.073	0.03	5.98	010301a	1	
73992	0.056	0.046	0.01	5.63	010301a	2	
73993	0.071	0.059	0.01	6.31	010301a	3	
73994	0.073	0.064	0.01	6.29	010301a	4	
73995	0.062	0.021	0.01	4.45	010301a	5	
73996	0.085	0.04	0.01	5.05	010301a	6	
73997	0.072	0.01	0.01	6.69	010301a	7	
73998	0.055	0.024	0.01	5.56	010301a	8	
73999	0.051	0.006	0.01	5.66	010301a	9	
74000	0.064	0.011	0.01	5.78	010301a	10	
74148	0.066	0.004	0.01	4.61	010301a	11	
74149	0.129	0.022	0.09	3.89	010301a	12	
74150	0.031	0.005	0.01	5.47	010301a	13	
74151	0.035	0.005	0.01	5.22	010301a	14	
74152	0.032	0.005	0.01	5.15	010301a	15	
74153	0.042	0.007	0.01	5.79	010301a	16	
74154	0.096	0.008	0.02	4.85	010301a	17	
74155	0.137	0.015	0.06	4.87	010301a	18	
74156	0.068	0.01	0.01	5.17	010301a	19	
74157	0.061	0.009	0.01	4.84	010301a	20	
74158	0.031	0.003	0.01	5.58	010301a	21	
74159	0.054	0.027	0.02	4.89	010301a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73969	0.493	0.302	0.2	6.76	010228h	1	
73970	0.786	0.475	0.27	6.11	010228h	2	
73971	0.49	0.396	0.26	6.12	010228h	3	
73972	0.534	0.415	0.25	6.63	010228h	4	
73973	0.674	0.51	0.14	5.42	010228h	5	
73974	0.408	0.335	0.13	6.33	010228h	6	
73975	0.307	0.262	0.1	6.24	010228h	7	
73976	0.306	0.162	0.11	6.08	010228h	8	
73977	0.796	0.632	0.33	6.2	010228h	9	
73978	0.506	0.43	0.2	6.19	010228h	10	
73979	0.237	0.146	0.07	5.88	010228h	11	
73980	0.359	0.319	0.09	6.07	010228h	12	
73981	0.422	0.402	0.11	7.05	010228h	13	
73982	0.219	0.15	0.07	3.98	010228h	14	
73983	0.218	0.127	0.07	4.32	010228h	15	
73984	0.079	0.031	0.05	5.54	010228h	16	
73985	0.089	0.039	0.03	5.11	010228h	17	
73986	0.085	0.042	0.03	6.55	010228h	18	
73987	0.37	0.345	0.05	6.25	010228h	19	
73988	0.156	0.128	0.04	6.31	010228h	20	
73989	0.104	0.056	0.04	5.93	010228h	21	
73990	0.068	0.035	0.02	4.3	010228h	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73899	0.315	0.214	0.32	6.18	010228f	1	
73947	0.533	0.407	0.15	4.52	010228f	2	
73948	0.285	0.11	0.14	5.46	010228f	3	
73949	0.525	0.426	0.21	5.91	010228f	4	
73950	0.56	0.429	0.2	6	010228f	5	
73951	0.37	0.317	0.18	6	010228f	6	
73952	0.355	0.278	0.12	5	010228f	7	
73953	0.506	0.124	0.2	5.02	010228f	8	
73954	0.319	0.241	0.17	5.69	010228f	9	
73955	0.288	0.17	0.14	5.61	010228f	10	
73957	0.221	0.157	0.08	5.07	010228f	11	
73958	0.466	0.402	0.14	6.01	010228f	12	
73959	0.495	0.439	0.2	5.4	010228f	13	
73960	0.51	0.261	0.18	5.22	010228f	14	
73961	0.553	0.289	0.19	4.74	010228f	15	
73962	0.501	0.446	0.19	4.75	010228f	16	
73963	0.383	0.338	0.19	4.94	010228f	17	
73964	0.309	0.229	0.08	10.7	010228f	18	
73965	0.357	0.309	0.15	5.77	010228f	19	
73966	0.451	0.372	0.19	6.35	010228f	20	
73967	0.397	0.313	0.09	6.8	010228f	21	
73968	0.282	0.111	0.09	4.65	010228f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
42881	0.09	0.063	0.11	5.15	010228e	1	
42882	0.143	0.113	0.26	1.87	010228e	2	
42883	0.216	0.07	0.52	5.52	010228e	3	
42884	0.196	0.139	0.34	2.49	010228e	4	
42885	0.306	0.129	0.65	4.59	010228e	5	
42886	0.234	0.117	0.35	2.55	010228e	6	
42887	0.15	0.11	0.24	2.19	010228e	7	
42888	0.271	0.072	0.62	6.57	010228e	8	
42889	0.179	0.036	0.32	6.02	010228e	9	
42890	0.178	0.045	0.35	6.64	010228e	10	
42891	0.325	0.048	0.69	6.59	010228e	11	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73900	0.193	0.153	0.2	8.96	010227b	1	
73901	0.195	0.138	0.22	7.43	010227b	2	
73902	0.214	0.161	0.15	7.22	010227b	3	
73903	0.178	0.156	0.14	7.31	010227b	4	
73904	0.229	0.208	0.21	7.29	010227b	5	
73905	0.086	0.075	0.08	2.59	010227b	6	
73906	0.071	0.062	0.07	2	010227b	7	
73907	0.236	0.181	0.14	7.34	010227b	8	
73908	0.087	0.061	0.07	6.17	010227b	9	
73909	0.19	0.143	0.07	6.83	010227b	10	
73910	0.15	0.079	0.05	6.47	010227b	11	
73911	0.116	0.072	0.07	6.44	010227b	12	
73912	0.118	0.081	0.07	6.99	010227b	13	
73913	0.087	0.065	0.05	6.09	010227b	14	
73914	0.136	0.109	0.06	7.32	010227b	15	
73915	0.111	0.083	0.07	4.64	010227b	16	
73916	0.053	0.03	0.02	6.15	010227b	17	
73917	0.054	0.03	0.02	6.03	010227b	18	
73918	0.06	0.037	0.04	5.22	010227b	19	
73919	0.054	0.027	0.02	5.61	010227b	20	
73920	0.11	0.082	0.04	5.01	010227b	21	
73921	0.099	0.069	0.03	4.56	010227b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73944	0.4	0.36	0.25	5.31	010227a	1	
73945	0.569	0.498	0.15	5.9	010227a	2	
73946	0.487	0.457	0.05	6.37	010227a	3	
73880	0.242	0.024	0.1	4.7	010227a	4	
73881	0.336	0.018	0.14	5.91	010227a	5	
73882	0.312	0.014	0.14	6.03	010227a	6	
73883	0.168	0.008	0.09	5.13	010227a	7	
73884	0.161	0.006	0.16	5.31	010227a	8	
73885	0.789	0.762	0.66	5.99	010227a	9	
73886	0.333	0.293	0.24	5.57	010227a	10	
73887	0.158	0.109	0.07	5.85	010227a	11	
73888	0.212	0.13	0.09	6.68	010227a	12	
73889	0.379	0.205	0.13	6.04	010227a	13	
73890	0.311	0.285	0.18	5.54	010227a	14	
73891	0.403	0.359	0.25	5.56	010227a	15	
73892	0.231	0.17	0.12	5.52	010227a	16	
73893	0.244	0.203	0.18	6.26	010227a	17	
73894	0.107	0.071	0.06	5.61	010227a	18	
73895	0.09	0.062	0.05	5.58	010227a	19	
73896	0.182	0.117	0.12	5.64	010227a	20	
73897	0.235	0.198	0.3	8.11	010227a	21	
73898	0.232	0.209	0.28	6.65	010227a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73851	0.394	0.015	0.52	3	010225l	1	
73852	0.624	0.028	1.12	4.78	010225l	2	
73853	0.674	0.05	1.03	5.39	010225l	3	
73854	0.768	0.078	0.86	4.99	010225l	4	
73855	0.549	0.05	0.59	4.88	010225l	5	
73856	0.477	0.014	0.44	4.21	010225l	6	
73857	0.764	0.047	0.89	4.55	010225l	7	
73858	0.699	0.253	0.75	5.54	010225l	8	
73859	0.799	0.04	0.78	4.61	010225l	9	
73860	1.591	0.037	1	8.61	010225l	10	
73861	0.914	0.031	0.83	4.45	010225l	11	
73862	0.521	0.019	0.66	4.75	010225l	12	
73863	0.667	0.028	0.87	4.74	010225l	13	
73864	0.516	0.02	0.68	4.14	010225l	14	
73865	0.594	0.02	0.75	4.48	010225l	15	
73866	0.373	0.034	0.31	6.38	010225l	16	
73867	0.067	0.005	0.04	5.57	010225l	17	
73868	0.081	0.007	0.05	5.7	010225l	18	
73869	0.098	0.008	0.05	5.65	010225l	19	
73870	0.185	0.013	0.12	5.83	010225l	20	
73871	0.196	0.014	0.16	6.73	010225l	21	
73872	0.238	0.028	0.12	6.16	010225l	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
43074	0.125	0.031	0.17	5.14	010225H	1	PIT	
43075	0.112	0.024	0.15	5.11	010225H	2		
46553	0.464	0.242	0.24	6.42	010225H	3		
46554	0.427	0.225	0.17	6.28	010225H	4		
46555	0.372	0.178	0.21	7.42	010225H	5		
46556	0.353	0.19	0.26	6.03	010225H	6		
46557	0.322	0.179	0.28	6.11	010225H	7		
46558	0.171	0.081	0.25	4.86	010225H	8		
46559	0.199	0.073	0.14	4.62	010225H	9		
73873	0.254	0.032	0.11	6.08	010225H	10	CORE	
73874	0.086	0.003	0.05	5.17	010225H	11		
73875	0.101	0.004	0.08	5.39	010225H	12		
73876	0.111	0.005	0.05	6.44	010225H	13		
73877	0.114	0.006	0.05	6.08	010225H	14		
73878	0.151	0.007	0.03	5.66	010225H	15		
73879	0.269	0.013	0.09	4.23	010225H	16		
58080	0.122	0.033	0.03	6.58	010225H	17	TEST HOLE	
58081	0.146	0.04	0.04	6.75	010225H	18		
58082	0.11	0.035	0.03	6.2	010225H	19		
58083	0.149	0.043	0.21	6.16	010225H	20		
58089	0.158	0.083	0.13	6.49	010225H	21		
58099	0.357	0.069	0.14	5.84	010225H	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73340	0.288	0.222	0.13	7.01	010302h	1	
73341	0.109	0.068	0.04	6.4	010302h	2	
73342	0.077	0.043	0.02	4.57	010302h	3	
73343	0.098	0.073	0.03	3.1	010302h	4	
73344	0.195	0.151	0.07	3.91	010302h	5	
73345	0.157	0.118	0.05	4.3	010302h	6	
73346	0.124	0.097	0.04	5.42	010302h	7	
73347	0.18	0.156	0.07	4.18	010302h	8	
73348	0.134	0.105	0.05	3.56	010302h	9	
73349	0.117	0.085	0.03	4.17	010302h	10	
73350	0.13	0.102	0.03	3.64	010302h	11	
73351	0.075	0.049	0.02	5.71	010302h	12	
73352	0.061	0.047	0.01	3.62	010302h	13	
73353	0.065	0.034	0.02	4.78	010302h	14	
73354	0.079	0.05	0.01	4.59	010302h	15	
73355	0.054	0.025	0.02	4.16	010302h	16	
73356	0.056	0.026	0.02	4.42	010302h	17	
73357	0.083	0.051	0.02	5.43	010302h	18	
73358	0.146	0.097	0.04	5.15	010302h	19	
73359	0.11	0.044	0.03	4.33	010302h	20	
73360	0.096	0.051	0.02	4.87	010302h	21	
73361	0.131	0.076	0.03	4.73	010302h	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74245	0.006	0.001	0.01	5.18	010302i	1	
74249	0.214	0.094	0.2	6.22	010302i	2	
74250	0.158	0.049	0.08	6.85	010302i	3	
73362	0.243	0.198	0.3	4.72	010302i	4	
73363	0.322	0.258	0.21	4.14	010302i	5	
73364	0.328	0.25	0.09	4.99	010302i	6	
73365	0.435	0.313	0.12	5.51	010302i	7	
73366	0.481	0.072	0.14	4.35	010302i	8	
73367	0.45	0.079	0.11	4.48	010302i	9	
73368	0.374	0.18	0.09	4.67	010302i	10	
73369	0.613	0.441	0.15	4.95	010302i	11	
73370	0.593	0.46	0.15	5.41	010302i	12	
73371	0.355	0.316	0.1	5.14	010302i	13	
73372	0.155	0.093	0.05	3.48	010302i	14	
73373	0.214	0.153	0.13	5.61	010302i	15	
73374	0.16	0.123	0.06	3.93	010302i	16	
73375	0.133	0.089	0.05	5.64	010302i	17	
73376	0.111	0.047	0.04	7.13	010302i	18	
73377	0.077	0.03	0.03	5.39	010302i	19	
73378	0.077	0.032	0.04	5.52	010302i	20	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74472	0.472	0.023	0.57	4.56	010308j	1	
72639	0.522	0.091	0.74	5.06	010308j	2	
72640	0.582	0.073	1.02	5.12	010308j	3	
72641	0.526	0.064	0.5	5.32	010308j	4	
72642	0.679	0.038	0.59	4.98	010308j	5	
72643	0.41	0.032	0.3	4.63	010308j	6	
72644	0.384	0.044	0.36	5.32	010308j	7	
72645	0.378	0.052	0.32	4.29	010308j	8	
72646	0.342	0.026	0.23	3.77	010308j	9	
72647	0.524	0.049	0.44	4.75	010308j	10	
72648	0.531	0.04	0.45	4.75	010308j	11	
72649	0.515	0.048	0.44	4.71	010308j	12	
72650	0.615	0.088	0.75	4.97	010308j	13	
72651	0.495	0.051	0.69	4.42	010308j	14	
72652	0.379	0.071	0.22	6.02	010308j	15	
72653	0.27	0.063	0.18	6.09	010308j	16	
72654	0.324	0.143	0.36	5.78	010308j	17	
74473	0.559	0.05	0.67	4.13	010308j	18	
74474	0.203	0.025	0.13	3.15	010308j	19	
74475	0.078	0.022	0.07	3.07	010308j	20	
72829	0.111	0.01	0.13	5.69	010308j	21	
72699	0.373	0.042	0.3	1.31	010308j	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74416	0.677	0.055	0.54	6	010308i	1	
74417	0.476	0.041	0.34	5.85	010308i	2	
74418	0.895	0.042	0.68	5.65	010308i	3	
74419	0.663	0.041	0.54	5.22	010308i	4	
74420	0.817	0.043	0.76	5.21	010308i	5	
74421	0.433	0.053	0.38	6.37	010308i	6	
74422	0.441	0.032	0.38	5.61	010308i	7	
74423	0.713	0.052	0.49	4.8	010308i	8	
74424	0.598	0.048	0.43	5.99	010308i	9	
74425	0.407	0.036	0.26	4.89	010308i	10	
74451	0.471	0.024	0.37	5.26	010308i	11	
74452	0.475	0.05	0.36	5.97	010308i	12	
74453	0.735	0.086	0.56	6.23	010308i	13	
74454	0.421	0.048	0.25	6.18	010308i	14	
74455	0.38	0.03	0.2	6.18	010308i	15	
74456	0.43	0.04	0.26	6.1	010308i	16	
74457	0.426	0.035	0.25	6.72	010308i	17	
74458	0.331	0.033	0.22	6.69	010308i	18	
74459	0.257	0.028	0.17	4.46	010308i	19	
74460	1.036	0.117	0.79	4.45	010308i	20	
74461	0.497	0.078	0.32	7.09	010308i	21	
74462	0.56	0.079	0.51	8.07	010308i	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74384	0.295	0.076	0.18	5.98	010308h	1	
74385	0.205	0.061	0.12	8.41	010308h	2	
74386	0.338	0.238	0.24	6.9	010308h	3	
74387	0.343	0.235	0.7	7.15	010308h	4	
74388	0.311	0.11	0.17	8.16	010308h	5	
74389	0.238	0.077	0.17	4.48	010308h	6	
74390	0.31	0.047	0.23	6.37	010308h	7	
74391	0.289	0.054	0.19	5.86	010308h	8	
74392	0.211	0.033	0.25	6.78	010308h	9	
74393	0.324	0.104	0.26	6.42	010308h	10	
74404	0.46	0.359	0.47	5.92	010308h	11	
74405	0.417	0.313	0.35	5.33	010308h	12	
74406	0.629	0.462	0.38	5.49	010308h	13	
74407	0.768	0.164	0.47	5.8	010308h	14	
74408	0.696	0.482	0.38	4.76	010308h	15	
74409	0.656	0.484	0.38	4.64	010308h	16	
74410	0.652	0.34	0.42	5.76	010308h	17	
74411	0.545	0.105	0.38	6.4	010308h	18	
74412	0.475	0.06	0.39	6.14	010308h	19	
74413	0.79	0.114	0.52	5.55	010308h	20	
74414	0.747	0.09	0.48	5.05	010308h	21	
74415	0.43	0.062	0.53	5.72	010308h	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72655	0.351	0.096	0.31	3.17	010308g	1	
72656	0.279	0.133	0.24	4.62	010308g	2	
72657	0.208	0.055	0.06	4.77	010308g	3	
72658	0.196	0.075	0.09	3.96	010308g	4	
72659	0.188	0.062	0.08	3.9	010308g	5	
72660	0.136	0.019	0.04	5.19	010308g	6	
72661	0.508	0.084	0.23	6.56	010308g	7	
72662	0.387	0.08	0.11	6.96	010308g	8	
72663	0.343	0.057	0.11	5.41	010308g	9	
72664	0.3	0.085	0.11	5.49	010308g	10	
72665	0.338	0.064	0.22	5.75	010308g	11	
72666	0.301	0.073	0.24	5.94	010308g	12	
72667	0.221	0.052	0.09	7	010308g	13	
72668	0.193	0.042	0.07	7.18	010308g	14	
72669	0.388	0.073	0.33	6.5	010308g	15	
72670	0.313	0.063	0.27	6.44	010308g	16	
72671	1.13	0.241	1.18	6.41	010308g	17	
72672	0.244	0.076	0.19	6.4	010308g	18	
72673	0.232	0.047	0.13	7.19	010308g	19	
72674	0.163	0.035	0.09	6.71	010308g	20	
72675	0.322	0.04	0.41	5.77	010308g	21	
72676	0.156	0.028	0.15	5.4	010308g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72626	0.09	0.028	0.08	2.7	010308f	1	
72627	1.19	0.086	1.94	2.87	010308f	2	
72628	5.34	0.091	0.77	3.44	010308f	3	
72629	0.549	0.089	0.7	2.85	010308f	4	
72630	0.91	0.676	0.88	3.78	010308f	5	
72631	0.736	0.119	1.04	3.72	010308f	6	
72632	0.737	0.099	0.82	3.97	010308f	7	
72633	0.632	0.042	0.7	2.75	010308f	8	
72634	0.428	0.205	0.78	3.76	010308f	9	
72635	0.75	0.319	1.31	5.23	010308f	10	
72636	0.457	0.236	0.82	4.33	010308f	11	
72637	0.444	0.221	0.85	4.6	010308f	12	
72638	0.413	0.331	0.65	4.32	010308f	13	
74463	0.334	0.238	0.28	6.03	010308f	14	
74464	0.362	0.048	0.21	4.64	010308f	15	
74465	0.448	0.079	0.36	5.96	010308f	16	
74466	0.527	0.48	0.21	4.03	010308f	17	
74467	0.378	0.275	0.24	4.01	010308f	18	
74468	0.285	0.204	0.3	2.91	010308f	19	
74469	0.372	0.107	0.35	4.28	010308f	20	
74470	0.347	0.066	0.3	0.369	010308f	21	
74471	0.267	0.025	0.3	3.71	010308f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74372	0.042	0.003	0.03	4.19	010307g	1	core
74373	0.066	0.003	0.04	4.77	010307g	2	
74374	0.028	0.003	0.03	3.74	010307g	3	
74375	0.167	0.022	0.26	4.52	010307g	4	
74376	0.152	0.016	0.26	4.35	010307g	5	
74377	0.076	0.007	0.18	4.16	010307g	6	
74378	0.17	0.011	0.2	4.06	010307g	7	
74379	0.17	0.006	0.16	4.93	010307g	8	
74380	0.393	0.025	0.23	5.89	010307g	9	
74381	0.383	0.012	0.29	3.28	010307g	10	
74382	0.315	0.015	0.46	5.39	010307g	11	
74383	0.035	0.005	0.01	3.85	010307g	12	
74394	0.416	0.106	0.44	4.82	010307g	13	
74395	0.263	0.18	0.28	2.67	010307g	14	
74396	0.409	0.33	0.31	3.38	010307g	15	
74397	0.215	0.112	0.15	4.68	010307g	16	
74398	0.195	0.101	0.11	4.59	010307g	17	
74399	0.147	0.06	0.06	4.4	010307g	18	
74400	0.893	0.727	1.16	4.81	010307g	19	
74401	1.784	1.409	0.57	5.68	010307g	20	
74402	0.874	0.705	0.7	4.6	010307g	21	
74403	0.788	0.602	0.79	4.62	010307g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73475	0.185	0.007	0.09	6.25	010307F	1	
74351	0.183	0.005	0.09	6.53	010307F	2	
74352	0.292	0.008	0.2	6	010307F	3	
74353	0.536	0.013	0.94	6.81	010307F	4	
74354	0.478	0.012	0.72	6.72	010307F	5	
74355	0.201	0.005	0.25	5.97	010307F	6	
74356	0.255	0.009	0.2	7.29	010307F	7	
74357	0.24	0.007	0.06	7.21	010307F	8	
74358	0.17	0.007	0.04	6.51	010307F	9	
74359	0.17	0.005	0.11	5.98	010307F	10	
74360	0.099	0.004	0.06	5.82	010307F	11	
74361	0.117	0.006	0.08	4.87	010307F	12	
74362	0.094	0.003	0.06	2.7	010307F	13	
74363	0.101	0.004	0.14	3.16	010307F	14	
74364	0.096	0.003	0.09	5.36	010307F	15	
74365	0.096	0.002	0.1	5.43	010307F	16	
74366	0.082	0.003	0.09	5.8	010307F	17	
74367	0.106	0.004	0.12	5.93	010307F	18	
74368	0.094	0.004	0.1	5.96	010307F	19	
74369	0.03	0.001	0.01	4.38	010307F	20	
74370	0.027	0.001	0.02	4.13	010307F	21	
74371	0.034	0.001	0.02	4.99	010307F	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74076	0.154	0.011	0.25	4.78	010307E	1	
74077	0.134	0.007	0.13	4.18	010307E	2	
74078	0.205	0.011	0.24	4.89	010307E	3	
74079	0.136	0.065	0.21	5.13	010307E	4	
74080	0.182	0.069	0.34	5.48	010307E	5	
73458	0.129	0.007	0.1	5.75	010307E	6	CORE
73459	0.125	0.007	0.07	5.25	010307E	7	
73460	0.128	0.015	0.09	5.7	010307E	8	
73461	0.103	0.004	0.08	5	010307E	9	
73462	0.015	0.001	0.01	6.56	010307E	10	
73463	0.288	0.006	0.35	6.98	010307E	11	
73464	0.249	0.004	0.22	7.87	010307E	12	
73465	0.199	0.003	0.44	6.56	010307E	13	
73466	0.179	0.015	0.14	6.6	010307E	14	
73467	0.167	0.021	0.07	6.78	010307E	15	
73468	0.16	0.014	0.07	6.44	010307E	16	
73469	0.19	0.024	0.08	7.43	010307E	17	
73470	0.172	0.021	0.08	6.92	010307E	18	
73471	0.177	0.007	0.12	5.71	010307E	19	
73472	0.108	0.003	0.07	5.03	010307E	20	
73473	0.204	0.006	0.13	6.76	010307E	21	
73474	0.218	0.005	0.17	6.34	010307E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74054	0.06	0.001	0.09	5.74	010307D	1	CORE
74055	0.309	0.013	0.53	6.46	010307D	2	
74056	0.015	0.001	0.01	5.74	010307D	3	
74057	0.06	0.002	0.1	4.21	010307D	4	
74058	0.034	0.001	0.04	5.66	010307D	5	
74059	0.007	0.001	0.01	4.75	010307D	6	
74060	0.251	0.007	0.48	4.6	010307D	7	
74061	0.271	0.008	0.52	4.37	010307D	8	
74062	0.11	0.005	0.21	4.3	010307D	9	
74063	0.029	0.001	0.04	5.23	010307D	10	
74064	0.113	0.002	0.15	4.6	010307D	11	
74065	0.183	0.011	0.42	5.36	010307D	12	
74066	0.16	0.013	0.43	5.46	010307D	13	
74067	0.158	0.009	0.36	4.9	010307D	14	
74068	0.064	0.006	0.14	5.52	010307D	15	
74069	0.075	0.006	0.16	5.94	010307D	16	
74070	0.153	0.046	0.33	5.67	010307D	17	
74071	0.19	0.144	0.42	6.31	010307D	18	
74072	0.217	0.156	0.51	5.93	010307D	19	
74073	0.211	0.154	0.45	5.67	010307D	20	
74074	0.249	0.191	0.51	5.5	010307D	21	
74075	0.119	0.014	0.21	3.41	010307D	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74018	0.008	0.001	0.01	6	010306G	1	CORE
74019	0.005	0.001	0.01	6.12	010306G	2	
74020	0.005	0.001	0.01	6.13	010306G	3	
74021	0.005	0.001	0.01	5.81	010306G	4	
74022	0.005	0.001	0.01	5.63	010306G	5	
74023	0.005	0.001	0.02	5.44	010306G	6	
74038	0.08	0.006	0.12	4.16	010306G	7	
74039	0.077	0.005	0.12	6.59	010306G	8	
74040	0.129	0.006	0.26	9.2	010306G	9	
74041	0.051	0.003	0.07	7.46	010306G	10	
74042	0.08	0.004	0.12	9.04	010306G	11	
74043	0.185	0.005	0.27	6.51	010306G	12	
74044	0.273	0.012	0.45	4.28	010306G	13	
74045	0.245	0.011	0.45	4.18	010306G	14	
74046	0.132	0.012	0.2	5.57	010306G	15	
74047	0.176	0.016	0.35	5.2	010306G	16	
74048	0.137	0.012	0.25	5.13	010306G	17	
74049	0.294	0.021	0.53	6.67	010306G	18	
74050	0.223	0.011	0.35	4.21	010306G	19	
74051	0.162	0.012	0.24	5.09	010306G	20	
74052	0.135	0.01	0.29	5.17	010306G	21	
74053	0.294	0.017	0.61	6.05	010306G	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74001	0.37	0.006	0.81	9.04	010306E	1	CORE
74002	0.413	0.02	0.84	7.79	010306E	2	
74003	0.308	0.011	0.52	6.06	010306E	3	
74004	0.258	0.009	0.52	4.09	010306E	4	
74005	0.175	0.008	0.28	4.54	010306E	5	
74006	0.222	0.014	0.68	5.05	010306E	6	
74007	0.157	0.008	0.26	4.79	010306E	7	
74008	0.282	0.008	0.46	4.72	010306E	8	
74009	0.256	0.01	0.45	7.55	010306E	9	
74010	0.259	0.008	0.54	6.01	010306E	10	
74011	0.245	0.009	0.6	6.6	010306E	11	
74012	0.21	0.014	0.56	5.52	010306E	12	
74013	0.135	0.011	0.19	6.31	010306E	13	
74014	0.132	0.011	0.19	4.52	010306E	14	
74015	0.345	0.022	0.7	5.09	010306E	15	
74016	0.136	0.012	0.22	5.64	010306E	16	
74017	0.188	0.011	0.31	5.4	010306E	17	
74140	0.266	0.019	0.5	5.59	010306E	18	
74144	0.123	0.006	0.26	5.03	010306E	19	
74145	0.115	0.007	0.87	6.44	010306E	20	
74146	0.101	0.006	0.16	5.76	010306E	21	
74147	0.051	0.003	0.12	5.21	010306E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74024	0.177	0.006	0.35	5.49	010305f	1	core
74025	0.609	0.017	1.09	8.86	010305f	2	
74026	0.128	0.005	0.18	5.94	010305f	3	
74027	0.108	0.005	0.22	7.22	010305f	4	
74028	0.139	0.007	0.22	5.53	010305f	5	
74029	0.197	0.006	0.36	6.73	010305f	6	
74030	0.163	0.01	0.36	7.5	010305f	7	
74031	0.094	0.006	0.13	5.54	010305f	8	
74032	0.098	0.006	0.16	4.2	010305f	9	
74033	0.122	0.004	0.39	8.08	010305f	10	
74034	0.089	0.004	0.22	8.12	010305f	11	
74035	0.033	0.004	0.06	5.84	010305f	12	
74036	0.036	0.002	0.04	5.65	010305f	13	
74037	0.032	0.002	0.04	7.77	010305f	14	
74126	0.092	0.004	0.21	7.6	010305f	15	
74127	0.153	0.007	0.22	8.77	010305f	16	
74128	0.226	0.011	0.41	8.11	010305f	17	
74129	0.098	0.012	0.11	14.5	010305f	18	
74130	0.284	0.017	0.56	12.1	010305f	19	
74131	0.128	0.004	0.21	6.36	010305f	20	
74132	0.111	0.008	0.21	17.6	010305f	21	
74133	0.071	0.003	0.13	4.88	010305f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74081	0.2	0.007	0.44	5.9	010305e	1	core
74082	0.634	0.075	1.65	13.8	010305e	2	
74083	0.198	0.027	0.38	11.2	010305e	3	
74084	0.007	0.001	0.03	4.33	010305e	4	
74085	0.176	0.017	0.34	4.85	010305e	5	
74086	0.021	0.003	0.01	5.41	010305e	6	
74087	0.017	0.003	0.02	5.26	010305e	7	
74088	0.35	0.03	0.58	5.22	010305e	8	
74089	0.453	0.024	0.73	5.15	010305e	9	
74100	0.126	0.009	0.37	5.49	010305e	10	
74101	0.081	0.006	0.2	8.37	010305e	11	
74102	0.084	0.009	0.25	7.92	010305e	12	
74103	0.203	0.026	0.55	7.93	010305e	13	
74104	0.183	0.015	0.41	5.58	010305e	14	
74105	0.13	0.018	0.28	6.67	010305e	15	
74106	0.099	0.01	0.16	11.2	010305e	16	
74107	0.446	0.01	0.77	9.31	010305e	17	
74108	0.124	0.013	0.26	10.4	010305e	18	
74109	0.244	0.025	0.56	10.2	010305e	19	
74110	0.291	0.033	0.47	11.1	010305e	20	
74111	0.543	0.038	1.02	7.12	010305e	21	
74112	0.247	0.021	0.34	8.49	010305e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74113	0.095	0.006	0.15	4.1	010305b	1	core
74114	0.061	0.004	0.1	6.34	010305b	2	
74115	0.27	0.033	0.69	14.3	010305b	3	
74116	1.249	0.105	4.4	8.21	010305b	4	
74117	0.261	0.018	0.64	5.4	010305b	5	
74118	0.132	0.012	0.27	5.18	010305b	6	
74119	0.237	0.056	0.52	8.69	010305b	7	
74120	0.22	0.049	0.47	8.61	010305b	8	
74121	0.483	0.064	0.96	9.11	010305b	9	
74122	0.318	0.154	0.65	7.03	010305b	10	
74123	1.129	0.066	1.85	7	010305b	11	
74124	0.73	0.079	1.47	6.12	010305b	12	
74125	0.458	0.069	1.34	15.5	010305b	13	
74134	0.091	0.011	0.12	6.9	010305b	14	
74135	0.705	0.071	1.67	14.1	010305b	15	
74136	0.14	0.007	0.13	4.52	010305b	16	
74137	0.443	0.071	0.9	17.3	010305b	17	
74138	0.2	0.031	0.27	6.11	010305b	18	
74139	0.204	0.03	0.36	5.9	010305b	19	
74141	0.116	0.04	0.31	7.12	010305b	20	
74142	0.169	0.024	0.33	7.36	010305b	21	
74143	0.083	0.008	0.16	4.81	010305b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73445	0.126	0.086	0.11	3.19	010305a	1		
73446	0.139	0.093	0.15	3.19	010305a	2		
73447	0.145	0.074	0.14	4.06	010305a	3		
73448	0.216	0.055	0.17	3.97	010305a	4		
73449	0.085	0.062	0.13	4.88	010305a	5		
73450	0.073	0.042	0.06	4.69	010305a	6		
73451	0.198	0.145	0.16	6.14	010305a	7		
73452	0.129	0.088	0.07	4.51	010305a	8		
73453	0.152	0.039	0.14	4.13	010305a	9		
73454	0.096	0.039	0.05	4.9	010305a	10		
73455	0.085	0.035	0.06	4.69	010305a	11		
73456	0.109	0.018	0.1	4.26	010305a	12		
73457	0.097	0.017	0.05	5.02	010305a	13		
74090	0.575	0.054	0.91	3.87	010305a	14		
74091	0.574	0.047	0.87	3.94	010305a	15		
74092	0.199	0.016	0.22	4.66	010305a	16		
74093	0.24	0.011	0.37	3.59	010305a	17		
74094	0.2	0.014	0.35	2.57	010305a	18		
74095	0.178	0.015	0.39	3.48	010305a	19		
74096	0.155	0.02	0.37	3.3	010305a	20		
740977409	0.083	0.011	0.18	4.63	010305a	21	two samples mixed wh	
74099	0.023	0.004	0.01	4.48	010305a	22		

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Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73423	0.298	0.205	0.24	5.2	010304f	1	
73424	0.253	0.149	0.19	6.03	010304f	2	
73425	0.29	0.166	0.12	5.81	010304f	3	
73426	0.224	0.107	0.14	4.66	010304f	4	
73427	0.294	0.183	0.17	5.09	010304f	5	
73428	0.339	0.059	0.35	6.06	010304f	6	
73429	0.359	0.053	0.32	4.72	010304f	7	
73430	0.246	0.17	0.11	3.82	010304f	8	
73431	0.138	0.087	0.07	3.52	010304f	9	
73432	0.163	0.094	0.09	3.86	010304f	10	
73433	0.168	0.103	0.11	3.44	010304f	11	
73434	0.083	0.02	0.05	3.22	010304f	12	
73435	0.129	0.064	0.2	4.04	010304f	13	
73436	0.135	0.094	0.16	4.41	010304f	14	
73437	0.242	0.176	0.18	5.61	010304f	15	
73438	0.317	0.141	0.24	5.32	010304f	16	
73439	0.24	0.107	0.24	4.67	010304f	17	
73440	0.221	0.098	0.17	6.76	010304f	18	
73441	0.101	0.055	0.07	4.57	010304f	19	
73442	0.196	0.104	0.3	6.03	010304f	20	
73443	0.115	0.072	0.15	3.54	010304f	21	
73444	0.118	0.073	0.14	3.48	010304f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73379	0.141	0.081	0.07	4.71	010304e	1	
73380	0.181	0.075	0.08	5.32	010304e	2	CORE
73381	0.211	0.126	0.07	5.69	010304e	3	
73382	0.321	0.225	0.54	5.36	010304e	4	
73405	0.053	0.031	0.01	5.78	010304e	5	
73406	0.089	0.037	0.02	4.88	010304e	6	
73407	0.1	0.039	0.03	5.49	010304e	7	
73408	0.151	0.092	0.05	4.3	010304e	8	
73409	0.204	0.101	0.06	4.64	010304e	9	
73410	0.123	0.082	0.03	3.65	010304e	10	
73411	0.101	0.069	0.05	3.5	010304e	11	
73412	0.175	0.122	0.09	5.73	010304e	12	
73413	0.2	0.137	0.04	6.17	010304e	13	
73414	0.207	0.114	0.09	5.55	010304e	14	
73415	0.006	0.002	0.01	4.06	010304e	15	
73416	0.022	0.005	0.01	3.94	010304e	16	
73417	0.009	0.002	0.01	3.99	010304e	17	
73418	0.911	0.049	0.47	6.62	010304e	18	
73419	0.267	0.161	0.12	5.04	010304e	19	
73420	0.151	0.103	0.08	5.84	010304e	20	
73421	0.183	0.093	0.09	5.6	010304e	21	
73422	0.244	0.117	0.13	4.97	010304e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73383	0.198	0.088	0.07	6.15	010303c	1	
73384	0.116	0.037	0.05	5.24	010303c	2	
73385	0.055	0.016	0.04	5.36	010303c	3	
73386	0.127	0.087	0.05	3.78	010303c	4	
73387	0.136	0.049	0.07	4.2	010303c	5	
73388	0.282	0.183	0.17	3.31	010303c	6	
73389	0.253	0.17	0.15	3.24	010303c	7	
73390	0.498	0.36	0.21	5.09	010303c	8	
73391	0.446	0.256	0.28	6.74	010303c	9	
73392	0.395	0.25	0.22	5.49	010303c	10	
73393	0.467	0.26	0.25	6.2	010303c	11	
73394	0.321	0.165	0.18	6.38	010303c	12	
73395	0.417	0.245	0.16	4.92	010303c	13	
73396	0.353	0.177	0.11	3.23	010303c	14	
73397	0.226	0.095	0.05	5.32	010303c	15	
73398	0.419	0.099	0.08	5.34	010303c	16	
73399	0.629	0.127	0.15	3.88	010303c	17	
73400	0.66	0.103	0.16	3.92	010303c	18	
73401	0.293	0.062	0.07	5.1	010303c	19	
73402	0.265	0.066	0.11	5.1	010303c	20	
73403	0.377	0.178	0.13	4.66	010303c	21	
73404	0.253	0.163	0.1	5.86	010303c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72700	0.23	0.025	0.23	1.35	010310c	1	
72677	0.188	0.025	0.1	6.78	010310c	2	
72678	0.222	0.028	0.15	4.78	010310c	3	
72679	0.216	0.023	0.11	5.7	010310c	4	
72680	0.1	0.007	0.06	6.32	010310c	5	
72681	0.122	0.01	0.11	6.33	010310c	6	
72682	0.112	0.012	0.07	5.98	010310c	7	
72683	0.164	0.018	0.14	6.08	010310c	8	
72684	0.365	0.046	0.33	6.46	010310c	9	
72685	0.264	0.032	0.18	6.58	010310c	10	
72686	0.381	0.037	0.28	7.23	010310c	11	
72687	0.636	0.047	0.51	7.19	010310c	12	
72688	0.533	0.058	0.44	6.98	010310c	13	
72689	0.297	0.026	0.28	5.32	010310c	14	
72690	0.369	0.094	0.34	3.75	010310c	15	
72691	0.241	0.028	0.19	4.87	010310c	16	
72692	0.291	0.041	0.24	4.82	010310c	17	
72693	0.287	0.036	0.29	5.85	010310c	18	
72694	0.2	0.118	0.22	6.14	010310c	19	
72695	0.281	0.028	0.24	5.92	010310c	20	
72696	0.317	0.044	0.17	7.3	010310c	21	
72697	0.206	0.017	0.2	3.77	010310c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72562	0.18	0.03	0.11	2.73	010311a	1	core
72620	0.167	0.033	0.13	7.66	010311a	2	
72621	0.266	0.051	0.38	10.2	010311a	3	
72622	0.193	0.034	0.07	1.99	010311a	4	
72623	0.234	0.038	0.15	3.51	010311a	5	
72624	0.113	0.017	0.07	5.9	010311a	6	
72625	0.271	0.226	0.6	5.69	010311a	7	
72698	0.238	0.034	0.17	1.4	010311a	8	
73026	0.263	0.038	0.16	4.56	010311a	9	
73027	0.235	0.042	0.21	3.91	010311a	10	
73028	0.234	0.042	0.22	4.19	010311a	11	
73029	0.323	0.232	0.25	3.46	010311a	12	
73030	0.264	0.066	0.14	3.06	010311a	13	
73031	0.554	0.09	0.34	3.6	010311a	14	
73032	0.397	0.057	0.3	4.08	010311a	15	
73033	0.213	0.039	0.16	2.16	010311a	16	
73034	0.015	0.004	0.01	5.51	010311a	17	
73035	0.141	0.026	0.1	4.35	010311a	18	
73036	0.029	0.007	0.03	1.69	010311a	19	
73037	0.438	0.086	0.58	4.34	010311a	20	
73038	0.211	0.036	0.17	2.04	010311a	21	
73039	0.214	0.037	0.17	2.06	010311a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72721	0.252	0.184	0.1	5.64	010321d	1	core
72722	0.269	0.071	0.09	5.38	010321d	2	
72723	0.411	0.05	0.2	5.67	010321d	3	
72724	0.493	0.064	0.25	5.33	010321d	4	
72725	0.562	0.464	0.25	4.33	010321d	5	
72726	0.595	0.234	0.21	4.75	010321d	6	
72727	0.78	0.378	0.4	4.45	010321d	7	
72728	0.468	0.058	0.19	5.25	010321d	8	
72729	0.642	0.045	0.22	4.91	010321d	9	
72730	0.692	0.035	0.24	4.95	010321d	10	
72731	0.993	0.093	0.29	3.51	010321d	11	
72732	0.433	0.135	0.22	5.14	010321d	12	
72531	0.819	0.054	0.71	6.05	010321d	13	
72532	0.787	0.044	0.82	6.2	010321d	14	
72533	0.734	0.049	0.83	5.25	010321d	15	
72534	0.696	0.046	0.52	7.12	010321d	16	
72535	0.269	0.041	0.18	5.67	010321d	17	
72536	0.211	0.023	0.18	4.88	010321d	18	
72537	0.112	0.015	0.15	4.15	010321d	19	
72538	0.173	0.019	0.2	6.18	010321d	20	
72539	0.094	0.012	0.13	6.12	010321d	21	
72540	0.054	0.007	0.17	6.2	010321d	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72457	0.169	0.009	0.08	2.19	010321b	1	
72458	0.094	0.004	0.06	6.15	010321b	2	
72459	0.145	0.008	0.1	6.59	010321b	3	
72460	0.249	0.021	0.22	5.21	010321b	4	
72461	0.144	0.005	0.11	4.37	010321b	5	
72462	0.222	0.029	0.13	3.21	010321b	6	
72463	0.136	0.018	0.17	4.61	010321b	7	
72464	0.1	0.006	0.14	4.72	010321b	8	
72465	0.149	0.011	0.16	4.82	010321b	9	
72466	0.12	0.003	0.14	5.01	010321b	10	
72467	0.127	0.003	0.2	5.96	010321b	11	
72468	0.266	0.008	0.37	6.36	010321b	12	
72469	0.197	0.006	0.32	4.38	010321b	13	
72470	0.218	0.005	0.29	4.13	010321b	14	
72713	0.135	0.091	0.02	5.68	010321b	15	
72714	0.112	0.066	0.01	6.49	010321b	16	
72715	0.074	0.041	0.01	5.3	010321b	17	
72716	0.097	0.051	0.02	7.37	010321b	18	
72717	0.141	0.066	0.05	6.05	010321b	19	
72718	0.142	0.07	0.04	6.84	010321b	20	
72719	0.133	0.074	0.06	6.98	010321b	21	
72720	0.198	0.136	0.05	7.96	010321b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72484	0.131	0.058	0.05	6.36	010320a	1	core
72485	0.214	0.096	0.1	6.24	010320a	2	
72486	0.09	0.032	0.13	6.11	010320a	3	
72487	0.162	0.054	0.08	5.68	010320a	4	
72488	0.207	0.082	0.06	5.71	010320a	5	
72489	0.366	0.061	0.18	5.78	010320a	6	
72490	0.339	0.055	0.15	5.84	010320a	7	
72491	0.22	0.026	0.07	5.85	010320a	8	
72492	0.31	0.043	0.08	5.75	010320a	9	
72493	0.299	0.05	0.1	6.5	010320a	10	
72494	0.368	0.086	0.39	6.03	010320a	11	
72495	0.274	0.175	0.26	6.15	010320a	12	
72496	0.226	0.142	0.1	5.72	010320a	13	
72497	0.384	0.054	0.19	5.92	010320a	14	
72498	0.469	0.145	0.33	6.14	010320a	15	
72499	0.603	0.183	0.28	6.38	010320a	16	
72451	0.24	0.212	0.18	2.31	010320a	17	
72452	0.267	0.224	0.25	3.02	010320a	18	
72453	0.399	0.109	0.43	9.34	010320a	19	
72454	0.288	0.092	0.29	6.16	010320a	20	
72455	0.299	0.19	0.87	5.33	010320a	21	
72456	0.165	0.057	0.15	2.16	010320a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72522	0.731	0.035	1.48	4.79	010319I	1	
72523	0.964	0.046	1.6	5.17	010319I	2	
72524	1.099	0.06	1.2	5.06	010319I	3	
72525	0.808	0.045	0.94	4.5	010319I	4	
72526	0.845	0.051	0.86	4.78	010319I	5	
72527	0.806	0.063	0.82	5.04	010319I	6	
72528	0.929	0.071	0.96	6.52	010319I	7	
72529	0.843	0.07	0.64	6.37	010319I	8	
72530	0.853	0.054	0.72	5.38	010319I	9	
72471	0.084	0.042	0.02	4.52	010319I	10	
72472	0.082	0.049	0.06	3.73	010319I	11	
72473	0.078	0.052	0.02	4.37	010319I	12	
72474	0.082	0.043	0.04	4.34	010319I	13	
72475	0.075	0.034	0.04	5.23	010319I	14	
72476	0.058	0.032	0.01	5.35	010319I	15	
72477	0.077	0.033	0.04	4.75	010319I	16	
72478	0.059	0.039	0.05	5.2	010319I	17	
72479	0.136	0.074	0.13	6.29	010319I	18	
72480	0.108	0.029	0.05	6.44	010319I	19	
72481	0.213	0.112	0.13	6.1	010319I	20	
72482	0.221	0.126	0.11	6.6	010319I	21	
72483	0.169	0.085	0.09	6.53	010319I	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72500	0.738	0.156	0.3	4.77	010319H	1	CORE
72501	0.619	0.046	0.27	5.47	010319H	2	
72502	1.255	0.07	4	4.42	010319H	3	
72503	0.763	0.06	0.82	4.7	010319H	4	
72504	0.605	0.04	0.39	4.59	010319H	5	
72505	0.511	0.038	0.31	4.81	010319H	6	
72506	0.457	0.026	0.38	4.69	010319H	7	
72507	0.887	0.052	0.96	4.88	010319H	8	
72508	1.095	0.171	1.07	4.82	010319H	9	
72509	1.193	0.059	1.67	3.57	010319H	10	
72510	1.093	0.066	1.32	4.03	010319H	11	
72511	0.5	0.041	0.63	3.42	010319H	12	
72512	0.559	0.044	0.73	4.29	010319H	13	
72513	0.461	0.049	0.53	3.92	010319H	14	
72514	0.556	0.053	0.63	2.97	010319H	15	
72515	0.242	0.023	0.34	3.08	010319H	16	
72516	0.311	0.026	0.45	3.16	010319H	17	
72517	0.382	0.035	0.6	3.53	010319H	18	
72518	0.805	0.036	1.38	4.42	010319H	19	
72519	0.787	0.04	1.43	4.38	010319H	20	
72520	0.828	0.04	1.47	5.01	010319H	21	
72521	1.044	0.054	1.87	5.06	010319H	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
43946	0.261	0.088	0.12	5.02	010318b	1	
43917	0.496	0.436	0.85	3.64	010318b	2	
43918	0.582	0.437	0.81	4.86	010318b	3	
43919	0.508	0.417	0.55	4.64	010318b	4	
43920	0.556	0.404	0.48	4.17	010318b	5	
43921	0.617	0.186	0.47	4.17	010318b	6	
43922	0.482	0.082	0.32	4.36	010318b	7	
43923	0.351	0.112	0.26	4.19	010318b	8	
43924	0.326	0.048	0.21	4.45	010318b	9	
43906	0.234	0.14	0.41	4.87	010318b	10	
43907	0.314	0.191	0.2	5.5	010318b	11	
43908	0.196	0.113	0.13	5.24	010318b	12	
43851	0.372	0.311	0.33	4.74	010318b	13	
43852	0.581	0.438	0.81	4.49	010318b	14	
43853	0.678	0.487	1.52	4.43	010318b	15	
43854	0.482	0.282	0.61	4.63	010318b	16	
43855	0.454	0.283	0.48	4.45	010318b	17	
43856	0.368	0.245	0.44	4.59	010318b	18	
43857	0.341	0.124	0.34	4.48	010318b	19	
43858	0.389	0.114	0.36	4.15	010318b	20	
72450	0.14	0.125	0.22	1.65	010318b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72851	0.475	0.129	0.39	5.87	010318a	1	
72852	0.707	0.116	0.55	7.67	010318a	2	
72853	0.803	0.095	0.67	7.81	010318a	3	
72854	0.434	0.045	0.34	7.18	010318a	4	
72855	0.493	0.138	0.34	5.17	010318a	5	
72856	0.491	0.034	0.4	6.41	010318a	6	
72857	0.513	0.047	0.51	6.03	010318a	7	
72858	0.611	0.048	0.58	6.3	010318a	8	
72859	0.414	0.085	0.39	7.39	010318a	9	
72860	0.624	0.032	0.53	9.14	010318a	10	
72861	0.678	0.035	0.6	10.4	010318a	11	
72862	0.646	0.048	0.78	8.02	010318a	12	
72863	0.12	0.017	0.04	5.84	010318a	13	
72864	0.219	0.031	0.05	6.9	010318a	14	
72865	0.044	0.015	0.02	5.85	010318a	15	
72866	0.037	0.009	0.03	5.7	010318a	16	
72867	0.025	0.012	0.02	5.97	010318a	17	
72984	0.202	0.013	0.17	6.42	010318a	18	
72985	0.256	0.021	0.19	6.97	010318a	19	
72986	0.173	0.011	0.15	6.6	010318a	20	
72987	0.085	0.03	0.06	6.37	010318a	21	
72988	0.108	0.031	0.1	6.35	010318a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72828	0.419	0.097	0.36	4.97	010317g	1	
72830	0.012	0.003	0.02	5.46	010317g	2	
72831	0.008	0.001	0.01	4.93	010317g	3	
72832	0.012	0.003	0.01	5.13	010317g	4	
72833	0.436	0.026	0.41	7.45	010317g	5	
72834	0.025	0.01	0.02	3.88	010317g	6	
72835	0.031	0.014	0.01	3.97	010317g	7	
72836	0.076	0.038	0.03	3.59	010317g	8	
72837	0.44	0.195	0.39	6.87	010317g	9	
72838	0.511	0.211	0.42	6.14	010317g	10	
72839	0.424	0.029	0.6	7.49	010317g	11	
72840	0.292	0.025	0.45	5.75	010317g	12	
72841	0.371	0.031	0.57	6.11	010317g	13	
72842	0.023	0.004	0.01	5.92	010317g	14	
72843	0.44	0.096	0.63	6.63	010317g	15	
72844	0.842	0.161	0.95	8.12	010317g	16	
72845	0.48	0.115	0.45	8.75	010317g	17	
72846	0.415	0.081	0.47	6.91	010317g	18	
72847	1.055	0.04	1.48	7.39	010317g	19	
72848	0.361	0.061	0.34	7.63	010317g	20	
72849	0.394	0.088	0.34	7.25	010317g	21	
72850	0.51	0.049	0.33	5.94	010317g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72989	0.051	0.018	0.02	3.32	010317c	1	
72990	0.177	0.056	0.18	6.4	010317c	2	
72991	0.13	0.069	0.26	5.99	010317c	3	
72992	0.229	0.125	0.34	5.99	010317c	4	
72993	0.112	0.05	0.2	4.95	010317c	5	
72994	0.14	0.065	0.28	4.17	010317c	6	
72995	0.284	0.136	0.28	6.35	010317c	7	
72996	0.159	0.052	0.11	6.14	010317c	8	
72997	0.106	0.068	0.11	6.05	010317c	9	
72998	0.185	0.121	0.21	7.11	010317c	10	
72999	0.588	0.541	1.21	6.77	010317c	11	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73006	0.035	0.017	0.03	2.37	010317b	1	
73007	0.046	0.028	0.13	2.62	010317b	2	
73008	0.097	0.069	0.36	2.9	010317b	3	
73009	0.135	0.033	0.77	3.01	010317b	4	
73010	0.153	0.118	0.3	2.82	010317b	5	
73011	0.17	0.119	0.3	2.92	010317b	6	
73012	0.18	0.143	0.26	2.79	010317b	7	
73013	0.196	0.135	0.49	2.93	010317b	8	
73014	0.49	0.387	0.8	3.8	010317b	9	
73015	0.213	0.076	0.6	2.95	010317b	10	
73016	0.205	0.162	0.41	2.89	010317b	11	
73017	0.189	0.161	0.46	4.23	010317b	12	
73018	0.154	0.09	0.32	3.27	010317b	13	
73019	0.156	0.084	0.42	3.3	010317b	14	
73020	0.11	0.061	0.2	4.28	010317b	15	
73021	0.015	0.011	0.02	3.34	010317b	16	
73022	0.229	0.2	0.48	5.31	010317b	17	
73023	0.242	0.216	0.34	5.34	010317b	18	
73024	0.162	0.137	0.43	3.68	010317b	19	
73025	0.076	0.061	0.12	2.5	010317b	20	
72826	0.372	0.107	0.26	5.19	010317b	21	
72827	0.354	0.095	0.21	4.47	010317b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73073	0.113	0.021	0.06	2.75	010317a	1	
73074	0.124	0.018	0.15	2.57	010317a	2	
73075	0.013	0.001	0.01	4.45	010317a	3	
73076	0.126	0.018	0.12	3.22	010317a	4	
73077	0.078	0.012	0.13	2.9	010317a	5	
73078	0.044	0.007	0.03	2.73	010317a	6	
73079	0.072	0.01	0.09	2.63	010317a	7	
73080	0.068	0.009	0.08	2.78	010317a	8	
73081	0.09	0.014	0.13	2.7	010317a	9	
73082	0.073	0.009	0.09	2.82	010317a	10	
73083	0.007	0.002	0.01	4.65	010317a	11	
73084	0.059	0.027	0.04	3.02	010317a	12	
73085	0.075	0.025	0.07	4.18	010317a	13	
72882	0.113	0.05	0.06	3.07	010317a	14	
72883	0.068	0.026	0.04	4.01	010317a	15	
72884	0.094	0.055	0.04	2.8	010317a	16	
72885	0.152	0.062	0.06	3.46	010317a	17	
72886	0.099	0.044	0.03	4.18	010317a	18	
72887	0.066	0.028	0.03	3.54	010317a	19	
72888	0.045	0.022	0.03	3.31	010317a	20	
72889	0.068	0.034	0.02	5.01	010317a	21	
72890	0.061	0.033	0.02	3.48	010317a	22	

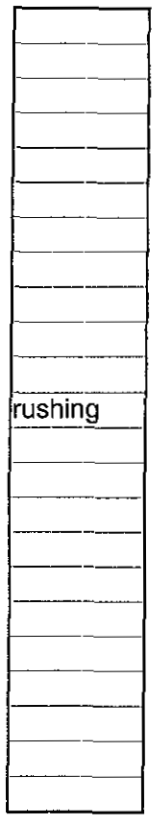
Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72428	0.213	0.02	0.12	5.94	010316h	1	
72429	0.295	0.041	0.21	5.75	010316h	2	
72430	0.252	0.025	0.15	5.85	010316h	3	
72431	0.014	0.002	0.01	5.82	010316h	4	
72432	0.132	0.012	0.08	5.94	010316h	5	
72433	0.076	0.006	0.08	5.44	010316h	6	
72434	0.045	0.004	0.04	5.46	010316h	7	
72435	0.018	0.001	0.03	5.22	010316h	8	
72436	0.037	0.002	0.06	6.01	010316h	9	
72437	0.167	0.013	0.13	4.95	010316h	10	
72438	0.204	0.012	0.14	6.95	010316h	11	
72439	0.173	0.028	0.2	5.25	010316h	12	
72440	0.136	0.014	0.13	6.26	010316h	13	
72441	0.007	0.002	0.01	4.71	010316h	14	
72442	0.008	0.001	0.01	4.49	010316h	15	
72443	0.252	0.039	0.32	3.68	010316h	16	
72444	0.009	0.002	0.01	4.5	010316h	17	
72445	0.46	0.076	0.44	7	010316h	18	
72446	0.298	0.036	0.31	5.55	010316h	19	
72447	0.377	0.065	0.31	3.44	010316h	20	
72448	0.264	0.057	0.2	3.31	010316h	21	
72449	0.131	0.096	0.21	1.79	010316h	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73001	0.885	0.762	1.24	6.01	010316g	1	
73002	0.746	0.594	0.84	6.37	010316g	2	
73052	0.085	0.076	0.06	2.79	010316g	3	
73053	0.061	0.038	0.03	2.53	010316g	4	
73054	0.107	0.062	0.11	6.68	010316g	5	
73055	0.23	0.158	0.13	6.9	010316g	6	
73056	0.224	0.074	0.28	9.21	010316g	7	
73057	0.133	0.046	0.16	7.79	010316g	8	
73058	0.123	0.021	0.07	8.87	010316g	9	
73059	0.098	0.019	0.06	6.76	010316g	10	
73060	0.104	0.017	0.06	7.77	010316g	11	
73061	0.135	0.019	0.13	7.09	010316g	12	
73062	0.102	0.024	0.06	6.31	010316g	13	
73063	0.142	0.025	0.11	5	010316g	14	
73064	0.195	0.039	0.26	5.44	010316g	15	
73065	0.233	0.042	0.57	5.05	010316g	16	
73066	0.191	0.063	0.32	6.02	010316g	17	
73067	0.365	0.027	1.34	4.4	010316g	18	
73068	0.095	0.017	0.06	2.88	010316g	19	
73069	0.092	0.015	0.07	2.47	010316g	20	
73070	0.083	0.014	0.06	2.75	010316g	21	
73072	0.08	0.014	0.05	3.01	010316g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
43370	0.632	0.507	1.43	6.37	010316a	1	
72971	0.061	0.023	0.03	5.37	010316a	2	
72877	0.031	0.011	0.01	4.23	010316a	3	
72878	0.029	0.009	0.03	2.86	010316a	4	
72879	0.059	0.024	0.03	2.64	010316a	5	
72880	0.068	0.023	0.03	2.68	010316a	6	
72881	0.075	0.028	0.04	2.81	010316a	7	
72891	0.072	0.038	0.04	3.35	010316a	8	
72892	0.076	0.023	0.03	4.02	010316a	9	
72893	0.27	0.213	0.1	4.2	010316a	10	
72894	0.019	0.007	0.01	4.45	010316a	11	
72895	0.174	0.123	0.13	3.78	010316a	12	
72896	0.156	0.105	0.06	5.75	010316a	13	
72897	0.239	0.153	0.08	5.08	010316a	14	
72898	0.386	0.318	0.19	6.49	010316a	15	
72899	0.298	0.264	0.15	5.14	010316a	16	
no tag	0.006	0.001	0.01	4.31	010316A	17	
73051	0.075	0.052	0.1	2.57	010316a	18	
73003	0.473	0.132	0.75	6.47	010316a	19	
73004	0.269	0.195	0.4	4.27	010316a	20	
73005	0.07	0.039	0.07	2.42	010316a	21	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72970	0.645	0.493	0.56	5.24	010315G	1	
72972	0.419	0.02	0.61	6.05	010315G	2	
72973	0.301	0.02	0.32	5.69	010315G	3	
72974	0.224	0.019	0.22	7.38	010315G	4	
72975	0.293	0.024	0.21	7.29	010315G	5	
72976	0.137	0.008	0.12	6.9	010315G	6	
72977	0.116	0.006	0.12	6.19	010315G	7	
72978	0.35	0.016	0.29	7.25	010315G	8	
72979	0.119	0.006	0.13	6.79	010315G	9	
72980	0.087	0.007	0.09	6.94	010315G	10	
72981	0.21	0.017	0.18	6.71	010315G	11	
72982	0.203	0.017	0.18	7.05	010315G	12	
72983	0.276	0.018	0.2	7.3	010315G	13	
72868	0.445	0.135	0.5	5.74	010315G	14	
72869	0.435	0.2	0.57	6.39	010315G	15	
72870	0.426	0.206	0.67	6.28	010315G	16	
72871	0.344	0.152	0.58	6.66	010315G	17	
72872	0.384	0.218	0.46	6.58	010315G	18	
72873	0.415	0.18	0.57	5.91	010315G	19	
72874	0.388	0.087	0.39	5.66	010315G	20	
72875	0.402	0.21	0.47	5.83	010315G	21	
72876	0.082	0.052	0.05	2.92	010315G	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
73158	0.004	0.001	0.01	5.95	010315b	1	core	
72917	0.008	0.005	0.01	7.09	010315b	2		
72923	0.011	0.004	0.01	5.96	010315b	3		
72934	0.008	0.003	0.01	6.97	010315b	4		
72935	0.008	0.004	0.01	5.1	010315b	5		
72952	0.381	0.131	1.05	6.1	010315b	6		
72953	0.153	0.105	0.18	6.3	010315b	7		
72954	0.493	0.139	0.62	5.26	010315b	8		
72955	0.03	0.013	0.02	6.28	010315b	9		
72956	0.284	0.137	0.38	6.62	010315b	10		
729577295	0.315	0.211	0.42	5.3	010315b	11	samples mixed while c	
72959	0.337	0.264	0.46	5.85	010315b	12		
72960	0.331	0.257	0.17	6.35	010315b	13		
72961	0.364	0.099	0.54	4.16	010315b	14		
72962	0.659	0.286	1.04	5.66	010315b	15		
72963	0.578	0.433	1.61	5.06	010315b	16		
72964	0.425	0.371	0.89	4.1	010315b	17		
72965	0.442	0.196	0.73	4.04	010315b	18		
72966	0.102	0.045	0.13	4.17	010315b	19		
72967	0.458	0.209	0.96	4.1	010315b	20		
72968	0.588	0.17	1	4.34	010315b	21		
72969	0.436	0.268	0.66	4.88	010315b	22		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Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72943	0.146	0.099	0.14	2.78	010315a	1	core
72944	0.254	0.195	0.38	3.76	010315a	2	
72945	0.487	0.399	0.58	5.08	010315a	3	
72946	0.382	0.328	0.36	6.16	010315a	4	
72947	0.327	0.208	0.18	5.24	010315a	5	
72948	0.278	0.167	0.26	5.32	010315a	6	
72949	0.29	0.054	0.15	6.3	010315a	7	
72950	0.377	0.233	0.38	5.54	010315a	8	
72951	0.34	0.291	0.52	5.3	010315a	9	
72906	0.148	0.129	0.08	3.22	010315a	10	
72907	0.016	0.012	0.01	4.99	010315a	11	
72908	0.078	0.04	0.01	3.29	010315a	12	
72909	0.111	0.048	0.03	3.22	010315a	13	
72910	0.06	0.032	0.01	3.37	010315a	14	
72911	0.069	0.051	0.01	4.63	010315a	15	
72912	0.122	0.097	0.05	4.03	010315a	16	
72913	0.11	0.045	0.06	3.22	010315a	17	
72914	0.015	0.006	0.01	3.85	010315a	18	
72915	0.501	0.443	0.36	6.92	010315a	19	
72916	0.301	0.23	0.18	6.91	010315a	20	
72554	0.033	0.005	0.01	4.81	010315a	21	
72560	0.016	0.002	0.01	4.62	010315a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72918	0.373	0.192	0.36	7.8	010314e	1	core
72919	0.314	0.11	0.37	5.75	010314e	2	
72920	0.296	0.11	0.36	5.83	010314e	3	
72921	0.369	0.179	0.47	6.63	010314e	4	
72922	0.3	0.198	0.51	6.96	010314e	5	
72924	0.014	0.009	0.01	4.58	010314e	6	
72925	0.261	0.215	0.27	3.41	010314e	7	
72926	0.196	0.162	0.04	2.88	010314e	8	
72927	0.129	0.101	0.02	4.01	010314e	9	
72928	0.247	0.203	0.09	2.84	010314e	10	
72929	0.06	0.043	0.01	4.27	010314e	11	
72930	0.313	0.248	0.13	1.87	010314e	12	
72931	0.196	0.154	0.04	1.77	010314e	13	
72932	0.043	0.028	0.01	4.05	010314e	14	
72933	0.035	0.021	0.01	1.53	010314e	15	
72936	0.043	0.03	0.02	2.59	010314e	16	
72937	0.056	0.039	0.01	2.05	010314e	17	
72938	0.04	0.022	0.02	2.7	010314e	18	
72939	0.051	0.03	0.02	2.32	010314e	19	
72940	0.056	0.032	0.01	2.14	010314e	20	
72941	0.038	0.017	0.03	2.5	010314e	21	
72942	0.046	0.025	0.02	2.25	010314e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
73151	0.082	0.056	0.01	3.14	010314A	1	CORE
73152	0.017	0.012	0.01	2.6	010314A	2	
73159	0.01	0.006	0.02	3.18	010314A	3	
73160	0.018	0.011	0.01	3.27	010314A	4	
73161	0.013	0.006	0.01	3.45	010314A	5	
73163	0.021	0.002	0.01	3.35	010314A	6	
73164	0.007	0.001	0.01	3.22	010314A	7	
73165	0.098	0.028	0.01	4.4	010314A	8	
73167	0.014	0.002	0.01	3.45	010314A	9	
73168	0.015	0.002	0.01	3.65	010314A	10	
73169	0.019	0.004	0.01	3.76	010314A	11	
73170	0.006	0.001	0.01	2.93	010314A	12	
73171	0.027	0.001	0.02	3.49	010314A	13	
73172	0.249	0.009	0.17	6.77	010314A	14	
73173	0.48	0.014	0.16	8.47	010314A	15	
73174	0.016	0.001	0.01	5.22	010314A	16	
72900	0.291	0.218	0.11	5.01	010314A	17	
72901	0.275	0.181	0.07	3.6	010314A	18	
72902	0.354	0.27	0.12	3.73	010314A	19	
72903	0.27	0.189	0.09	4.88	010314A	20	
72904	0.129	0.084	0.04	4.38	010314A	21	
72905	0.438	0.31	0.18	4.55	010314A	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74284	0.519	0.395	0.96	6.55	010313f	1	core
74285	0.548	0.423	0.87	6.96	010313f	2	
74286	0.048	0.036	0.03	3.12	010313f	3	
74287	0.034	0.024	0.01	2.71	010313f	4	
74288	0.049	0.037	0.01	3.69	010313f	5	
74289	0.031	0.023	0.01	3.62	010313f	6	
74290	0.06	0.038	0.01	4.01	010313f	7	
74291	0.061	0.041	0.01	3.63	010313f	8	
74292	0.032	0.015	0.01	3.08	010313f	9	
74293	0.03	0.02	0.01	3.17	010313f	10	
74294	0.005	0.004	0.01	4.65	010313f	11	
74295	0.039	0.026	0.02	3.05	010313f	12	
74296	0.047	0.033	0.02	3.11	010313f	13	
73153	0.002	0.001	0.01	4.91	010313f	14	
73154	0.027	0.011	0.01	3.49	010313f	15	
73155	0.009	0.006	0.01	3.93	010313f	16	
73156	0.041	0.008	0.02	3.78	010313f	17	
73157	0.03	0.007	0.02	3.84	010313f	18	
73162	0.048	0.008	0.02	4.73	010313f	19	
73166	0.009	0.003	0.01	4.12	010313f	20	
73175	0.015	0.002	0.01	5.6	010313f	21	
74300	0.037	0.024	0.01	2.82	010313f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72555	0.293	0.015	0.13	5.84	010313e	1	core
72556	0.169	0.004	0.09	4.14	010313e	2	
72557	0.222	0.007	0.05	6.06	010313e	3	
72558	0.155	0.006	0.05	5.21	010313e	4	
72559	0.014	0.001	0.01	5.41	010313e	5	
72561	0.025	0.001	0.01	5.65	010313e	6	
72563	0.029	0.01	0.01	3.1	010313e	7	
72564	0.234	0.027	0.12	4.89	010313e	8	
72565	0.211	0.015	0.12	5.37	010313e	9	
72566	0.577	0.046	0.37	8.08	010313e	10	
72567	0.564	0.028	0.28	8.48	010313e	11	
72568	0.239	0.051	0.19	5.85	010313e	12	
72569	0.336	0.039	0.3	4.99	010313e	13	
72570	0.03	0.002	0.03	5.33	010313e	14	
72571	0.079	0.021	0.06	4.67	010313e	15	
72572	0.176	0.01	0.19	5.46	010313e	16	
72573	0.147	0.008	0.12	4.13	010313e	17	
72574	0.233	0.018	0.3	4.4	010313e	18	
72575	0.364	0.028	0.22	6	010313e	19	
74297	0.085	0.046	0.01	3.1	010313e	20	
74298	0.113	0.071	0.03	3.41	010313e	21	
74299	0.22	0.159	0.03	3.23	010313e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72551	0.703	0.013	0.48	10	010311G	1	CORE
72552	0.641	0.022	0.48	10.9	010311G	2	
72553	0.043	0.002	0.02	5.64	010311G	3	
73040	0.225	0.033	0.2	4.57	010311G	4	
73041	0.296	0.043	0.23	2.17	010311G	5	
73042	0.318	0.049	0.31	8.52	010311G	6	
73043	0.287	0.049	0.33	12	010311G	7	
73044	0.229	0.043	0.3	11.5	010311G	8	
73045	0.483	0.091	0.68	11	010311G	9	
73046	0.248	0.042	0.68	7.84	010311G	10	
73047	0.271	0.059	0.31	11.9	010311G	11	
73048	0.268	0.047	0.3	10.6	010311G	12	
73049	0.553	0.079	0.58	6	010311G	13	
73050	0.547	0.071	0.54	5.03	010311G	14	
74276	0.169	0.132	0.24	4.19	010311G	15	
74277	0.193	0.15	0.16	4.72	010311G	16	
74278	0.328	0.29	0.29	3.72	010311G	17	
74279	0.18	0.14	0.1	6.12	010311G	18	
74280	0.425	0.344	0.26	6.41	010311G	19	
74281	0.459	0.379	0.38	6.43	010311G	20	
74282	0.236	0.153	0.17	6.11	010311G	21	
74283	0.256	0.159	0.29	4.84	010311G	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72541	0.114	0.032	0.26	6.14	010321H	1	CORE
72542	0.052	0.008	0.19	4.15	010321H	2	
72543	0.119	0.024	0.22	5.01	010321H	3	
72544	0.035	0.005	0.19	2.48	010321H	4	
72545	0.043	0.008	0.28	2.11	010321H	5	
72546	0.041	0.015	0.3	2.02	010321H	6	
72547	0.059	0.03	0.6	2.34	010321H	7	
72548	0.013	0.004	0.01	5.59	010321H	8	
72549	0.043	0.019	0.36	2.07	010321H	9	
72550	0.077	0.026	0.69	2.13	010321H	10	
72576	0.041	0.005	0.32	1.97	010321H	11	
72577	0.381	0.036	0.45	6.34	010321H	12	
72578	0.204	0.03	0.02	6.06	010321H	13	
72592	0.266	0.02	0.18	4.47	010321H	14	
72593	0.209	0.021	0.21	4.59	010321H	15	
72594	0.355	0.025	0.29	5.79	010321H	16	
72595	0.185	0.011	0.14	5.23	010321H	17	
72596	0.392	0.045	0.3	5.78	010321H	18	
72597	0.144	0.011	0.07	5.21	010321H	19	
72598	0.152	0.01	0.1	6.41	010321H	20	
72599	0.117	0.017	0.11	5.38	010321H	21	
72600	0.252	0.06	0.13	5.48	010321H	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72703	0.227	0.11	0.68	5.88	010321I	1	CORE
72704	0.361	0.067	1.08	4.21	010321I	2	
72705	0.271	0.038	0.59	4.67	010321I	3	
72706	0.349	0.058	0.57	4.58	010321I	4	
72707	0.103	0.05	0.08	3.95	010321I	5	
72708	0.21	0.043	0.2	3.21	010321I	6	
72709	0.131	0.081	0.04	4.97	010321I	7	
72710	0.143	0.082	0.04	5.13	010321I	8	
72711	0.107	0.07	0.01	5.34	010321I	9	
72579	0.227	0.026	0.13	4.78	010321I	10	
72580	0.198	0.028	0.14	6.61	010321I	11	
72581	0.096	0.016	0.07	4.57	010321I	12	
72582	0.14	0.018	0.11	4.81	010321I	13	
72583	0.149	0.025	0.14	5.06	010321I	14	
72584	0.212	0.027	0.22	3.92	010321I	15	
72585	0.129	0.011	0.12	4.58	010321I	16	
72586	0.184	0.017	0.17	5.09	010321I	17	
72587	0.009	0.001	0.01	4.1	010321I	18	
72588	0.011	0.003	0.01	4.14	010321I	19	
72589	0.226	0.028	0.34	4.57	010321I	20	
72590	0.201	0.024	0.19	5.06	010321I	21	
72591	0.852	0.049	1.06	4.51	010321I	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74977	0.227	0.013	0.21	4.77	010402a	1	
74978	0.195	0.011	0.19	4.98	010402a	2	
74979	0.166	0.008	0.07	5.8	010402a	3	
74980	0.39	0.022	0.15	5.75	010402a	4	
74981	0.472	0.028	0.17	5.9	010402a	5	
74982	0.162	0.01	0.12	5.48	010402a	6	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74933	0.126	0.087	0.01	4.92	010401e	1	
74934	0.156	0.066	0.02	5.4	010401e	2	
74935	0.168	0.06	0.1	4.98	010401e	3	
74936	0.538	0.099	0.32	4.84	010401e	4	
74937	0.374	0.089	0.18	5.31	010401e	5	
74938	0.414	0.067	0.21	5.13	010401e	6	
74939	0.471	0.149	0.25	6.04	010401e	7	
74940	0.487	0.043	0.27	5.75	010401e	8	
74941	0.664	0.071	0.39	5.31	010401e	9	
74942	0.515	0.043	0.26	5.43	010401e	10	
74943	0.631	0.081	0.27	5.49	010401e	11	
74944	0.497	0.257	0.27	5.27	010401e	12	
74945	0.352	0.074	0.2	5.17	010401e	13	
74946	0.282	0.057	0.13	5.16	010401e	14	
74947	0.342	0.137	0.14	5.88	010401e	15	
74948	0.507	0.338	0.25	5.89	010401e	16	
74949	0.337	0.216	0.24	5.53	010401e	17	
74950	0.389	0.228	0.3	5.7	010401e	18	
74951	0.397	0.053	0.26	5.32	010401e	19	
74952	0.501	0.035	0.19	6.15	010401e	20	
74953	0.499	0.039	0.2	5.32	010401e	21	
74954	0.346	0.03	0.18	6.58	010401e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74955	0.254	0.042	0.13	6.55	010401d	1	
74956	0.388	0.1	0.16	5.75	010401d	2	
74957	0.284	0.045	0.1	6.65	010401d	3	
74958	0.176	0.022	0.04	6.94	010401d	4	
74959	0.259	0.028	0.13	6.12	010401d	5	
74960	0.171	0.021	0.06	5.96	010401d	6	
74961	0.223	0.029	0.07	6.57	010401d	7	
74962	0.222	0.038	0.14	6.15	010401d	8	
74963	0.184	0.021	0.05	5.38	010401d	9	
74964	0.13	0.009	0.09	4.03	010401d	10	
74965	0.148	0.008	0.03	5.08	010401d	11	
74966	0.117	0.005	0.03	4.26	010401d	12	
74967	0.416	0.034	0.35	4.16	010401d	13	
74968	0.224	0.022	0.1	4.71	010401d	14	
74969	0.252	0.024	0.14	5.77	010401d	15	
74970	0.24	0.022	0.11	5.98	010401d	16	
74971	0.277	0.026	0.11	4.41	010401d	17	
74972	0.127	0.011	0.07	3.59	010401d	18	
74973	0.122	0.01	0.08	4.18	010401d	19	
74974	0.312	0.028	0.21	5.82	010401d	20	
74975	0.985	0.068	0.94	4.78	010401d	21	
74976	0.283	0.031	0.3	6.09	010401d	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74911	0.153	0.092	0.01	4.44	010401c	1	
74912	0.145	0.053	0.06	3.93	010401c	2	
74913	0.239	0.128	0.29	4.53	010401c	3	
74914	0.126	0.113	0.08	3.15	010401c	4	
74915	0.098	0.064	0.04	2.87	010401c	5	
74916	0.076	0.036	0.03	2.76	010401c	6	
74917	0.123	0.105	0.06	3.75	010401c	7	
74918	0.325	0.188	0.07	4.92	010401c	8	
74919	0.42	0.26	0.26	6.95	010401c	9	
74920	0.322	0.112	0.15	5.33	010401c	10	
74921	0.329	0.28	0.3	5.98	010401c	11	
74922	0.388	0.363	0.46	3.18	010401c	12	
74923	0.196	0.172	0.2	2.86	010401c	13	
74924	0.175	0.148	0.24	2.9	010401c	14	
74925	0.308	0.244	0.63	3.05	010401c	15	
74926	0.66	0.411	1.04	3.9	010401c	16	
74927	0.234	0.058	0.19	5.39	010401c	17	
74928	0.345	0.215	0.24	4.86	010401c	18	
74929	0.223	0.133	0.01	3.61	010401c	19	
74930	0.224	0.132	0.02	3.25	010401c	20	
74931	0.202	0.125	0.01	4.8	010401c	21	
74932	0.141	0.108	0.02	6.01	010401c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments	
74888	0.129	0.006	0.06	5.58	010330f	1	core	
74889	0.132	0.035	0.05	7.19	010330f	2		
748907489	0.115	0.031	0.05	6.19	010330f	3	two samples mixed	
74892	0.073	0.019	0.01	5.88	010330f	4		
74893	0.142	0.013	0.04	5.95	010330f	5		
74894	0.1	0.015	0.03	5.65	010330f	6		
74895	0.061	0.002	0.04	4.73	010330f	7		
74896	0.088	0.028	0.02	5.09	010330f	8		
74897	0.175	0.029	0.09	4.88	010330f	9		
74898	0.067	0.006	0.02	5.94	010330f	10		
74899	0.294	0.012	0.01	4.73	010330f	11		
74900	0.096	0.021	0.06	4.2	010330f	12		
74901	0.068	0.028	0.03	4.46	010330f	13		
74902	0.176	0.026	0.09	4.58	010330f	14		
74903	0.217	0.036	0.11	5.55	010330f	15		
74904	0.156	0.028	0.07	5.8	010330f	16		
74905	0.133	0.012	0.06	6.2	010330f	17		
74906	0.021	0.009	0.01	3.08	010330f	18		
74907	0.028	0.013	0.01	2.7	010330f	19		
74908	0.132	0.1	0.06	3.91	010330f	20		
74909	0.133	0.098	0.12	4.03	010330f	21		
74910	0.126	0.094	0.07	4.04	010330f	22		

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74866	0.512	0.443	0.31	5.11	010330e	1	core
74867	0.567	0.388	0.25	5.27	010330e	2	
74868	0.692	0.486	0.27	6.1	010330e	3	
74869	0.482	0.248	0.25	5.84	010330e	4	
74870	0.413	0.194	0.22	5.49	010330e	5	
74871	0.264	0.127	0.11	5.96	010330e	6	
74872	0.26	0.196	0.1	5.4	010330e	7	
74873	0.388	0.322	0.12	4.42	010330e	8	
74874	0.333	0.12	0.06	5.04	010330e	9	
74875	0.315	0.253	0.08	5.31	010330e	10	
74876	0.124	0.098	0.04	5.72	010330e	11	
74877	0.329	0.113	0.07	5.83	010330e	12	
74878	0.305	0.261	0.25	7.18	010330e	13	
74879	0.131	0.052	0.12	7.74	010330e	14	
74880	0.182	0.01	0.09	5.73	010330e	15	
74881	0.05	0.003	0.01	5.1	010330e	16	
74882	0.072	0.007	0.03	6.32	010330e	17	
74883	0.041	0.004	0.03	5.82	010330e	18	
74884	0.103	0.033	0.06	5.26	010330e	19	
74885	0.28	0.155	0.19	4.04	010330e	20	
74886	0.34	0.028	0.25	7.39	010330e	21	
74887	0.172	0.014	0.05	5.06	010330e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74983	0.193	0.022	0.24	5.11	010330D	1	CORE
74984	0.3	0.043	0.16	5.41	010330D	2	
74985	0.291	0.047	0.13	5.04	010330D	3	
74986	0.299	0.043	0.18	5.24	010330D	4	
74987	0.588	0.072	0.3	4.95	010330D	5	
74988	0.175	0.026	0.06	5.86	010330D	6	
74989	0.333	0.038	0.14	6.58	010330D	7	
74990	0.311	0.034	0.12	6.48	010330D	8	
74991	0.3	0.044	0.13	5.59	010330D	9	
74992	0.419	0.037	0.16	5.66	010330D	10	
74993	0.472	0.065	0.23	6.22	010330D	11	
74994	0.788	0.085	0.52	5.2	010330D	12	
74995	0.297	0.045	0.26	4.73	010330D	13	
74996	0.194	0.027	0.1	5.49	010330D	14	
74997	0.218	0.046	0.17	5.72	010330D	15	
74998	0.254	0.052	0.24	5.64	010330D	16	
74999	0.169	0.037	0.15	5.25	010330D	17	
75000	0.229	0.047	0.24	4.61	010330D	18	
75001	0.234	0.031	0.23	5.14	010330D	19	
75002	0.198	0.026	0.23	4.66	010330D	20	
75003	0.165	0.034	0.17	4.58	010330D	21	
75004	0.196	0.03	0.23	4.25	010330D	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74846	0.162	0.132	0.2	4.62	010330C	1	CORE
74847	0.179	0.151	0.23	3.99	010330C	2	
74848	0.236	0.126	0.29	4.2	010330C	3	
74849	0.269	0.033	0.29	6.55	010330C	4	
74850	0.264	0.057	0.26	6.58	010330C	5	
74851	0.257	0.109	0.27	7.54	010330C	6	
74852	0.336	0.268	0.34	6.25	010330C	7	
74853	0.509	0.404	0.48	7.54	010330C	8	
74854	1.178	0.925	0.92	9.49	010330C	9	
74855	0.387	0.339	0.44	8.41	010330C	10	
74856	0.456	0.41	0.41	7.34	010330C	11	
74857	0.343	0.305	0.17	4.77	010330C	12	
74858	0.264	0.217	0.17	5.97	010330C	13	
74859	0.182	0.107	0.16	6.07	010330C	14	
74860	0.231	0.183	0.19	4.76	010330C	15	
74861	0.198	0.165	0.2	4.04	010330C	16	
74862	0.25	0.208	0.29	4.21	010330C	17	
74863	0.01	0.004	0.01	3.78	010330C	18	
74864	0.022	0.014	0.05	3.85	010330C	19	
74865	0.29	0.232	0.34	5.04	010330C	20	
75005	0.177	0.029	0.42	4.44	010330C	21	
75006	0.202	0.037	0.34	5.17	010330C	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74802	0.407	0.045	0.44	9.74	010329c	1	core
74803	0.126	0.094	0.11	5.14	010329c	2	
74804	0.096	0.069	0.07	7.01	010329c	3	
74827	0.505	0.311	0.54	6.14	010329c	4	
74828	0.413	0.328	0.64	6	010329c	5	
74829	0.251	0.161	0.24	6.35	010329c	6	
74830	0.299	0.194	0.32	6.58	010329c	7	
74831	0.417	0.353	0.37	5.67	010329c	8	
74832	0.207	0.122	0.21	6.04	010329c	9	
74833	0.406	0.316	0.55	5.19	010329c	10	
74834	0.191	0.067	0.19	6.59	010329c	11	
74835	0.122	0.046	0.14	6.17	010329c	12	
74836	0.233	0.079	0.2	6.13	010329c	13	
74837	0.427	0.306	0.54	7.27	010329c	14	
74838	0.44	0.223	0.58	6.9	010329c	15	
74839	0.346	0.159	0.45	6.41	010329c	16	
74840	0.141	0.064	0.14	5.91	010329c	17	
74841	0.274	0.17	0.33	8.44	010329c	18	
74842	0.21	0.107	0.24	8.86	010329c	19	
74843	0.409	0.322	0.66	5.46	010329c	20	
74844	0.348	0.212	0.44	5.9	010329c	21	
74845	0.439	0.263	0.43	4.84	010329c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74805	0.142	0.107	0.18	8.1	010328E	1	CORE
74806	0.274	0.231	0.36	7.77	010328E	2	
74807	0.146	0.077	0.07	6.89	010328E	3	
74808	0.134	0.084	0.13	8.08	010328E	4	
74809	0.136	0.094	0.09	8.56	010328E	5	
74810	0.141	0.106	0.09	8.64	010328E	6	
74811	0.129	0.098	0.11	6.06	010328E	7	
74812	0.103	0.068	0.05	3.91	010328E	8	
74813	0.246	0.205	0.27	5.28	010328E	9	
74814	0.174	0.106	0.08	5.77	010328E	10	
74815	0.201	0.115	0.19	6.11	010328E	11	
74816	0.177	0.064	0.15	5.67	010328E	12	
74817	0.092	0.023	0.06	4.32	010328E	13	
74818	0.153	0.09	0.2	5.81	010328E	14	
74819	0.19	0.033	0.21	5.7	010328E	15	
74820	0.171	0.091	0.17	5.89	010328E	16	
74821	0.173	0.091	0.19	6.57	010328E	17	
74822	0.234	0.162	0.27	6.6	010328E	18	
74823	0.287	0.246	0.29	5.47	010328E	19	
74824	0.446	0.394	0.51	6.19	010328E	20	
74825	0.356	0.317	0.28	6.08	010328E	21	
74826	0.385	0.345	0.51	5.07	010328E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74656	0.198	0.032	0.16	3.17	010328a	1	core
74657	0.163	0.046	0.11	3.54	010328a	2	
74658	0.201	0.032	0.15	2.93	010328a	3	
74659	0.094	0.015	0.06	5.21	010328a	4	
74660	0.081	0.03	0.04	2.53	010328a	5	
74661	0.082	0.014	0.02	3.75	010328a	6	
74662	0.072	0.032	0.04	2.49	010328a	7	
74663	0.291	0.04	0.31	2.9	010328a	8	
74664	0.176	0.061	0.44	2.08	010328a	9	
74665	0.407	0.039	0.63	4.31	010328a	10	
74666	0.274	0.032	0.48	6.35	010328a	11	
74667	0.326	0.035	0.56	6.13	010328a	12	
74668	0.167	0.027	0.17	3.21	010328a	13	
74669	0.21	0.028	0.26	5.31	010328a	14	
74670	0.213	0.036	0.28	5.49	010328a	15	
74671	0.146	0.024	0.16	3.31	010328a	16	
74672	0.151	0.071	0.17	3.72	010328a	17	
74673	0.27	0.042	0.28	4.45	010328a	18	
74696	0.217	0.046	0.34	1.35	010328a	19	
74697	0.176	0.032	0.29	1.23	010328a	20	
74698	0.226	0.06	0.34	1.67	010328a	21	
74699	0.189	0.101	0.08	5.67	010328a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74748	0.579	0.061	0.22	6.15	010327c	1	core
74749	0.481	0.051	0.19	5.57	010327c	2	
74750	0.478	0.059	0.18	5.48	010327c	3	
74751	0.607	0.063	0.17	4.69	010327c	4	
74752	0.602	0.053	0.18	3	010327c	5	
74753	0.477	0.045	0.23	4.24	010327c	6	
74754	0.672	0.055	0.28	4.86	010327c	7	
74755	0.7	0.053	0.31	4.8	010327c	8	
74756	0.545	0.054	0.53	4.64	010327c	9	
74757	0.931	0.071	0.77	4.23	010327c	10	
74758	0.667	0.069	0.6	5.09	010327c	11	
74759	0.806	0.066	0.86	4.83	010327c	12	
74760	0.803	0.069	0.92	4.6	010327c	13	
74761	0.656	0.055	0.61	5.29	010327c	14	
74762	0.723	0.069	0.99	5.11	010327c	15	
74763	0.429	0.045	0.82	5.11	010327c	16	
74764	0.505	0.05	1.22	4.98	010327c	17	
74765	0.502	0.045	1.27	4.89	010327c	18	
74766	0.358	0.039	1.06	5.2	010327c	19	
74767	0.501	0.048	1.58	5.12	010327c	20	
74768	0.703	0.052	2.7	5.05	010327c	21	
74769	0.665	0.054	2.92	5.15	010327c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74701	0.187	0.117	0.1	5.29	010327b	1	core
74702	0.2	0.144	0.13	3.55	010327b	2	
74703	0.435	0.34	0.42	5.13	010327b	3	
74704	0.195	0.162	0.12	2.45	010327b	4	
74705	0.329	0.271	0.3	4.88	010327b	5	
74706	0.36	0.245	0.14	8.2	010327b	6	
74707	0.411	0.257	0.37	6.26	010327b	7	
74708	0.283	0.164	0.15	4.64	010327b	8	
74709	0.25	0.125	0.13	5.91	010327b	9	
74652	0.251	0.131	0.21	3.06	010327b	10	
74653	0.166	0.039	0.15	7.37	010327b	11	
74654	0.255	0.038	0.22	5.21	010327b	12	
74655	0.125	0.023	0.08	3.63	010327b	13	
74789	0.25	0.042	0.12	4.46	010327b	14	
74790	0.247	0.037	0.12	4.57	010327b	15	
74791	0.188	0.039	0.14	4.67	010327b	16	
74792	0.135	0.025	0.09	5.73	010327b	17	
74793	0.153	0.028	0.08	4.87	010327b	18	
74794	0.187	0.033	0.11	4.63	010327b	19	
74795	0.204	0.034	0.14	4.88	010327b	20	
74796	0.199	0.037	0.16	8.05	010327b	21	
74797	0.193	0.03	0.12	6.77	010327b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74674	0.247	0.032	0.28	6.24	010326i	1	
74675	0.181	0.023	0.36	2.15	010326i	2	
74676	0.172	0.03	0.28	1.99	010326i	3	
74677	0.057	0.031	0.09	1.82	010326i	4	
74710	0.241	0.116	0.14	6.18	010326i	5	
74711	0.291	0.196	0.11	6.82	010326i	6	
74712	0.203	0.147	0.06	5.52	010326i	7	
74713	0.168	0.095	0.06	5.37	010326i	8	
74714	0.174	0.095	0.11	6.16	010326i	9	
74715	0.301	0.234	0.38	5.99	010326i	10	
74716	0.386	0.263	0.61	7.02	010326i	11	
74717	0.338	0.258	0.57	5.54	010326i	12	
74718	0.247	0.186	0.31	5.04	010326i	13	
74719	0.203	0.13	0.2	4.39	010326i	14	
74720	0.241	0.139	0.27	4.9	010326i	15	
74721	0.282	0.188	0.49	6.09	010326i	16	
74722	0.249	0.189	0.28	5.39	010326i	17	
74723	0.062	0.041	0.04	5.91	010326i	18	
74724	0.198	0.138	0.17	6.01	010326i	19	
74725	0.195	0.146	0.11	5.65	010326i	20	
74726	0.21	0.127	0.11	5.75	010326i	21	
74700	0.369	0.289	0.11	5.76	010326i	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74727	0.41	0.318	0.32	5.07	010326c	1	
74728	0.215	0.17	0.06	6.53	010326c	2	
74729	0.28	0.237	0.1	4.49	010326c	3	
74730	0.318	0.266	0.12	5.01	010326c	4	
74731	0.277	0.206	0.12	5.27	010326c	5	
74732	0.53	0.387	0.5	5.36	010326c	6	
74733	0.011	0.004	0.01	5.66	010326c	7	
74734	0.245	0.177	0.27	4.8	010326c	8	
74735	0.29	0.211	0.29	5.35	010326c	9	
74736	0.201	0.128	0.06	4.84	010326c	10	
74737	0.311	0.037	0.1	4.52	010326c	11	
74738	0.474	0.034	0.14	5.12	010326c	12	
74739	0.879	0.079	0.33	4.87	010326c	13	
74740	0.311	0.035	0.15	3.73	010326c	14	
74741	0.464	0.066	0.3	4.21	010326c	15	
74742	0.345	0.03	0.2	5.94	010326c	16	
74743	0.602	0.058	0.19	6.34	010326c	17	
74744	0.293	0.013	0.19	5.5	010326c	18	
74745	0.161	0.009	0.07	4.79	010326c	19	
74746	0.112	0.007	0.05	3.98	010326c	20	
74747	0.396	0.046	0.08	5.37	010326c	21	
74800	0.323	0.038	0.24	7.88	010326c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74770	0.657	0.053	2.62	5.21	010326b	1	
74771	0.741	0.05	3.31	3.92	010326b	2	
74772	0.605	0.049	2.06	4.86	010326b	3	
74773	0.768	0.046	2.08	4.86	010326b	4	
74774	0.526	0.049	1.22	5.19	010326b	5	
74775	0.423	0.035	0.78	4.94	010326b	6	
74776	0.528	0.045	0.93	4.86	010326b	7	
74777	0.432	0.035	0.67	4.88	010326b	8	
74778	0.599	0.048	0.64	5.37	010326b	9	
74779	0.628	0.042	0.58	5.19	010326b	10	
74780	0.699	0.057	0.65	4.96	010326b	11	
74781	0.753	0.052	0.55	4.68	010326b	12	
74782	0.819	0.061	0.63	4.81	010326b	13	
74783	0.518	0.049	0.42	6.18	010326b	14	
74784	0.529	0.048	0.41	4.99	010326b	15	
74785	0.622	0.047	0.34	5.66	010326b	16	
74786	0.586	0.055	0.2	5.82	010326b	17	
74787	0.551	0.053	0.14	5.95	010326b	18	
74788	0.433	0.043	0.18	5.37	010326b	19	
74798	0.143	0.018	0.11	6.81	010326b	20	
74799	0.223	0.038	0.14	6.43	010326b	21	
74801	0.189	0.025	0.18	7.97	010326b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74649	0.28	0.147	0.26	2.65	010325e	1	
74650	0.281	0.169	0.23	3.03	010325e	2	
74651	0.21	0.04	0.11	3.58	010325e	3	
43823	0.011	0.003	0.01	4.59	010325e	4	
74678	0.134	0.093	0.29	2.24	010325e	5	
74679	0.094	0.063	0.27	1.82	010325e	6	
74680	0.059	0.034	0.21	1.85	010325e	7	
74681	0.054	0.032	0.11	1.62	010325e	8	
74682	0.124	0.091	0.32	2.29	010325e	9	
74683	0.123	0.067	0.39	2.1	010325e	10	
74684	0.105	0.061	0.2	2.11	010325e	11	
74685	0.11	0.052	0.34	2.08	010325e	12	
74686	0.099	0.022	0.21	1.64	010325e	13	
74687	0.047	0.01	0.08	1.35	010325e	14	
74688	0.066	0.017	0.1	1.32	010325e	15	
74689	0.04	0.01	0.08	1.52	010325e	16	
74690	0.037	0.011	0.06	1.55	010325e	17	
74691	0.023	0.004	0.04	1.74	010325e	18	
74692	0.102	0.02	0.12	1.92	010325e	19	
74693	0.2	0.038	0.29	1.45	010325e	20	
74694	0.233	0.036	0.32	1.36	010325e	21	
74695	0.179	0.032	0.26	1.41	010325e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74627	0.189	0.082	0.17	4.31	010325d	1	
74628	0.195	0.079	0.07	4.24	010325d	2	
74629	0.136	0.103	0.06	5.99	010325d	3	
74630	0.141	0.111	0.05	5.78	010325d	4	
74631	0.133	0.085	0.04	4.69	010325d	5	
74632	0.151	0.052	0.08	4.81	010325d	6	
74633	0.171	0.025	0.06	5.37	010325d	7	
74634	0.164	0.026	0.08	4.25	010325d	8	
74635	0.25	0.041	0.19	4.9	010325d	9	
74636	0.261	0.043	0.12	3.29	010325d	10	
74637	0.142	0.025	0.1	3.23	010325d	11	
74638	0.127	0.018	0.07	3.27	010325d	12	
74639	0.185	0.032	0.11	3.46	010325d	13	
74640	0.184	0.028	0.14	4.83	010325d	14	
74641	0.191	0.028	0.15	6.52	010325d	15	
74642	0.312	0.053	0.31	8.39	010325d	16	
74643	0.249	0.036	0.22	8.25	010325d	17	
74644	0.232	0.041	0.19	7.38	010325d	18	
74645	0.198	0.035	0.13	8.98	010325d	19	
74646	0.423	0.06	0.35	6.8	010325d	20	
74647	0.25	0.039	0.22	6.77	010325d	21	
74648	0.34	0.06	0.29	7.21	010325d	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74605	0.194	0.059	0.07	5.36	010325c	1	
74606	0.276	0.055	0.14	5.9	010325c	2	
74607	0.209	0.09	0.12	4.97	010325c	3	
74608	0.172	0.127	0.13	4.99	010325c	4	
74609	0.225	0.188	0.26	5.64	010325c	5	
74610	0.233	0.196	0.23	5.89	010325c	6	
74611	0.176	0.148	0.17	5.22	010325c	7	
74612	0.287	0.178	0.15	6.83	010325c	8	
74613	0.283	0.27	0.21	5.07	010325c	9	
74614	0.19	0.138	0.13	5.21	010325c	10	
74615	0.165	0.064	0.16	4.46	010325c	11	
74616	0.127	0.019	0.05	6.76	010325c	12	
74617	0.179	0.05	0.13	5.14	010325c	13	
74618	0.181	0.026	0.13	5.27	010325c	14	
74619	0.156	0.044	0.17	5.44	010325c	15	
74620	0.387	0.034	0.13	5.53	010325c	16	
74621	0.237	0.024	0.16	4.07	010325c	17	
74622	0.163	0.058	0.11	5.6	010325c	18	
74623	0.138	0.043	0.09	6.26	010325c	19	
74624	0.191	0.099	0.14	5.86	010325c	20	
74625	0.196	0.05	0.14	6.96	010325c	21	
74626	0.064	0.009	0.05	6.13	010325c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74583	0.249	0.043	0.22	4.98	010325b	1	
74584	0.195	0.053	0.1	5.16	010325b	2	
74585	0.206	0.038	0.22	4.35	010325b	3	
74586	0.081	0.051	0.04	4.54	010325b	4	
74587	0.095	0.044	0.07	5.58	010325b	5	
74588	0.16	0.06	0.16	4.64	010325b	6	
74589	0.382	0.181	0.28	3.91	010325b	7	
74590	0.387	0.19	0.29	3.92	010325b	8	
74591	0.157	0.029	0.07	4.47	010325b	9	
74592	0.178	0.025	0.07	4.57	010325b	10	
74593	0.169	0.027	0.08	6.13	010325b	11	
74594	0.372	0.284	0.4	5.72	010325b	12	
74595	0.24	0.181	0.22	5.75	010325b	13	
74596	0.297	0.23	0.29	5.76	010325b	14	
74597	0.223	0.166	0.22	4.83	010325b	15	
74598	0.25	0.153	0.17	4.7	010325b	16	
74599	0.177	0.057	0.15	4.96	010325b	17	
74600	0.135	0.101	0.2	4.45	010325b	18	
74601	0.214	0.11	0.2	7.1	010325b	19	
74602	0.115	0.055	0.11	4.82	010325b	20	
74603	0.231	0.165	0.2	5.19	010325b	21	
74604	0.168	0.09	0.13	4.66	010325b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72738	0.759	0.079	0.48	5.21	010325a	1	
72739	0.536	0.034	0.33	4.59	010325a	2	
72740	0.562	0.056	0.55	4.93	010325a	3	
72741	0.847	0.058	0.48	4.34	010325a	4	
72742	0.651	0.062	0.47	5.1	010325a	5	
72743	0.564	0.054	0.55	5.42	010325a	6	
72744	0.372	0.042	0.29	5.06	010325a	7	
72745	0.637	0.05	0.35	6.28	010325a	8	
72746	0.493	0.047	0.28	6.95	010325a	9	
72747	0.545	0.036	0.29	6.72	010325a	10	
72748	0.327	0.045	0.12	6.34	010325a	11	
72749	0.549	0.046	0.24	6.54	010325a	12	
72750	0.499	0.042	0.2	6.1	010325a	13	
72751	0.548	0.038	0.28	5.78	010325a	14	
72752	0.416	0.057	0.39	6.06	010325a	15	
72753	0.724	0.033	0.47	5.99	010325a	16	
72754	0.501	0.02	0.35	6.16	010325a	17	
72755	0.378	0.027	0.22	6.15	010325a	18	
72756	0.376	0.054	0.3	6.14	010325a	19	
72757	0.715	0.028	0.36	4.09	010325a	20	
72758	0.391	0.033	0.28	4.62	010325a	21	
72759	0.453	0.035	0.4	4.97	010325a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
44224	0.203	0.021	0.22	4.32	010324e	1	
44225	0.213	0.016	0.21	3.93	010324e	2	
44226	0.157	0.006	0.18	3.81	010324e	3	
44227	0.241	0.024	0.26	4.51	010324e	4	
44228	0.132	0.013	0.16	4.74	010324e	5	
44229	0.075	0.009	0.05	5.14	010324e	6	
44230	0.17	0.009	0.15	5.5	010324e	7	
44231	0.171	0.013	0.26	5.33	010324e	8	
44232	0.166	0.012	0.18	5.55	010324e	9	
44233	0.193	0.017	0.22	5.45	010324e	10	
57180	0.49	0.287	0.22	6.42	010324e	11	
57181	0.364	0.224	0.18	5.4	010324e	12	
57182	0.126	0.077	0.02	7.16	010324e	13	
57183	0.27	0.141	0.25	6.7	010324e	14	
57184	0.028	0.014	0.01	4.95	010324e	15	
57494	0.148	0.024	0.11	5.16	010324e	16	
57495	0.106	0.072	0.04	3.51	010324e	17	
57496	0.058	0.04	0.05	3.38	010324e	18	
57497	0.317	0.141	0.21	5.33	010324e	19	
57498	0.195	0.107	0.1	5.57	010324e	20	
57499	0.24	0.113	0.13	5.2	010324e	21	
57500	0.19	0.13	0.14	7.21	010324e	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72805	0.188	0.062	0.15	1.95	010324d	1	
72806	0.272	0.192	0.17	2.76	010324d	2	
72807	0.195	0.149	0.08	2.64	010324d	3	
72808	0.453	0.099	0.17	3.68	010324d	4	
72809	0.243	0.018	0.11	3.63	010324d	5	
72810	0.267	0.02	0.11	3.68	010324d	6	
72811	0.267	0.016	0.09	2.95	010324d	7	
72812	0.279	0.018	0.37	5.08	010324d	8	
72813	0.307	0.012	0.22	4.2	010324d	9	
72814	1.012	0.06	1.81	8.85	010324d	10	
72815	0.117	0.111	0.03	2.96	010324d	11	
72817	0.103	0.081	0.03	2.61	010324d	12	
72818	0.109	0.097	0.05	2.64	010324d	13	
72819	0.111	0.046	0.06	3.61	010324d	14	
72820	0.105	0.091	0.05	2.39	010324d	15	
72821	0.091	0.07	0.05	3.07	010324d	16	
72822	0.194	0.178	0.13	3.31	010324d	17	
72823	0.034	0.018	0.01	2.41	010324d	18	
72824	0.107	0.031	0.05	2.83	010324d	19	
72825	0.059	0.024	0.04	3.53	010324d	20	
74581	0.141	0.103	0.07	4.61	010324d	21	
74582	0.191	0.052	0.09	3.68	010324d	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74564	0.634	0.076	0.82	5	010324c	1	
74565	0.698	0.064	0.67	4.91	010324c	2	
74566	0.601	0.066	0.76	4.97	010324c	3	
74567	0.707	0.07	0.6	5.99	010324c	4	
74568	0.556	0.075	0.46	5.41	010324c	5	
74569	0.553	0.103	0.8	5.96	010324c	6	
74570	0.546	0.113	0.69	6.12	010324c	7	
74571	0.402	0.087	0.28	5.35	010324c	8	
74572	0.373	0.078	0.16	5.39	010324c	9	
74573	0.504	0.265	0.22	6.33	010324c	10	
74574	0.582	0.327	0.31	6.22	010324c	11	
74575	0.66	0.281	0.34	5.93	010324c	12	
74576	0.601	0.085	0.3	4.26	010324c	13	
74577	0.276	0.127	0.11	4.41	010324c	14	
74578	0.172	0.131	0.08	3.99	010324c	15	
74579	0.123	0.081	0.07	4	010324c	16	
74580	0.12	0.085	0.05	4.09	010324c	17	
72733	0.273	0.035	0.15	4.95	010324c	18	
72734	0.492	0.092	0.32	5.24	010324c	19	
72735	1.09	0.175	0.33	6.29	010324c	20	
72736	0.446	0.104	0.28	6.27	010324c	21	
72737	0.253	0.046	0.22	5.83	010324c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74542	0.716	0.057	1.28	5.63	010323g	1	
74543	1.076	0.052	2.48	4.28	010323g	2	
74544	0.823	0.054	1.58	4.83	010323g	3	
74545	0.544	0.037	1.43	5.07	010323g	4	
74546	0.486	0.045	1.15	5.13	010323g	5	
74547	0.494	0.032	1.08	5	010323g	6	
74548	0.629	0.039	1.48	4.92	010323g	7	
74549	0.53	0.034	1.26	5.14	010323g	8	
74550	0.554	0.04	1.29	4.8	010323g	9	
74551	0.782	0.039	1.37	4.89	010323g	10	
74552	0.576	0.038	1.43	4.86	010323g	11	
74553	0.753	0.038	1.44	4.39	010323g	12	
74554	0.686	0.043	1.22	4.59	010323g	13	
74555	0.779	0.043	1.15	5.59	010323g	14	
74556	0.873	0.053	1.54	5.38	010323g	15	
74557	0.718	0.037	1.52	4.75	010323g	16	
74558	0.74	0.049	1.62	5.51	010323g	17	
74559	0.72	0.044	1.78	4.6	010323g	18	
74560	0.828	0.049	1.99	5.11	010323g	19	
74561	0.577	0.036	1.22	5.15	010323g	20	
74562	0.614	0.05	0.95	6.32	010323g	21	
74563	0.784	0.047	1.47	5.43	010323g	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
74520	0.162	0.109	0.15	4.98	010323E	1	
74521	0.156	0.119	0.15	2.12	010323E	2	
74522	0.102	0.072	0.11	2.29	010323E	3	
74523	0.032	0.013	0.02	5.46	010323E	4	
74524	0.032	0.01	0.01	5.52	010323E	5	
74525	0.025	0.003	0.01	5.29	010323E	6	
74526	0.023	0.003	0.01	5.33	010323E	7	
74527	0.028	0.007	0.01	5.55	010323E	8	
74528	0.041	0.015	0.19	5.57	010323E	9	
74529	0.104	0.024	0.17	5.26	010323E	10	
74530	0.284	0.128	0.36	4.27	010323E	11	
74531	0.313	0.142	0.32	4.4	010323E	12	
74532	0.451	0.083	0.68	5.27	010323E	13	
74533	0.592	0.053	1.17	4.76	010323E	14	
74534	0.698	0.083	1.16	4.63	010323E	15	
74535	0.45	0.044	0.53	4.85	010323E	16	
74536	1.25	0.088	1.01	4.77	010323E	17	
74537	0.933	0.091	1.11	4.61	010323E	18	
74538	0.986	0.092	1.52	5.22	010323E	19	
74539	0.852	0.098	1.5	4.9	010323E	20	
74540	0.78	0.071	1.06	4.95	010323E	21	
74541	0.531	0.048	0.87	5.69	010323E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72760	0.283	0.009	0.3	5.11	010323a	1	
72762	0.422	0.018	0.3	5.31	010323a	2	
72763	0.44	0.018	0.27	5.43	010323a	3	
72764	0.396	0.023	0.28	4.46	010323a	4	
72765	0.443	0.023	0.19	4.6	010323a	5	
72766	0.327	0.039	0.17	4.44	010323a	6	
72767	0.354	0.028	0.11	5.19	010323a	7	
72768	0.482	0.038	0.49	5.68	010323a	8	
72769	0.458	0.03	0.32	4.64	010323a	9	
72770	0.371	0.032	0.27	4.59	010323a	10	
72771	0.339	0.044	0.13	5.3	010323a	11	
72772	0.3	0.057	0.21	4.75	010323a	12	
72773	0.385	0.03	0.26	5.18	010323a	13	
72774	0.388	0.044	0.19	5.48	010323a	14	
72775	0.383	0.03	0.16	5.32	010323a	15	
72776	0.477	0.048	0.26	5.24	010323a	16	
72777	0.855	0.058	0.25	8.63	010323a	17	
72778	0.312	0.019	0.09	5.56	010323a	18	
72779	0.389	0.025	0.13	6.33	010323a	19	
72780	0.346	0.019	0.11	6.27	010323a	20	
72781	0.234	0.012	0.06	6.03	010323a	21	
72782	0.175	0.008	0.04	6.03	010323a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
72701	0.301	0.082	0.17	3.87	010321J	1	CORE
72702	0.413	0.033	0.54	7.94	010321J	2	
72712	0.1	0.05	0.06	4.92	010321J	3	
74501	0.06	0.022	0.06	2.36	010321J	4	
74502	0.037	0.011	0.04	2.32	010321J	5	
74503	0.047	0.016	0.03	2.22	010321J	6	
74504	0.089	0.039	0.09	2.49	010321J	7	
74505	0.059	0.006	0.06	2.6	010321J	8	
74506	0.044	0.022	0.04	3.15	010321J	9	
74507	0.05	0.018	0.04	2.9	010321J	10	
74508	0.043	0.018	0.05	3.11	010321J	11	
74509	0.074	0.019	0.05	2.85	010321J	12	
74510	0.049	0.022	0.05	3.15	010321J	13	
74511	0.048	0.022	0.03	2.59	010321J	14	
74512	0.072	0.038	0.07	2.69	010321J	15	
74513	0.105	0.073	0.13	3.97	010321J	16	
74514	0.154	0.124	0.17	4.5	010321J	17	
74515	0.149	0.122	0.06	2.6	010321J	18	
74516	0.212	0.166	0.17	5.26	010321J	19	
74517	0.249	0.208	0.3	6.2	010321J	20	
74518	0.436	0.4	0.35	6.03	010321J	21	
74519	0.394	0.343	0.36	6.59	010321J	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75230	0.497	0.375	0.5	7.59	010403b	1	
75231	0.619	0.48	0.9	6.85	010403b	2	
75232	0.618	0.509	0.48	6.24	010403b	3	
75233	0.253	0.157	0.08	7.68	010403b	4	
75234	0.427	0.303	0.18	7.94	010403b	5	
75235	0.389	0.268	0.14	9.46	010403b	6	
75236	0.814	0.629	0.21	7.36	010403b	7	
75237	0.839	0.69	0.36	5.88	010403b	8	
75238	0.442	0.332	0.16	5.86	010403b	9	
75239	0.024	0.016	0.01	4.6	010403b	10	
75240	0.299	0.228	0.15	5.66	010403b	11	
75241	0.376	0.307	0.14	5.49	010403b	12	
75242	0.353	0.3	0.31	5.8	010403b	13	
75243	0.275	0.218	0.18	5.64	010403b	14	
75244	0.464	0.385	0.23	7.03	010403b	15	
75245	0.359	0.301	0.22	7.09	010403b	16	
75246	0.177	0.083	0.07	6.32	010403b	17	
75247	0.349	0.273	0.03	5.64	010403b	18	
75248	0.1	0.072	0.04	6.93	010403b	19	
75249	0.359	0.279	0.08	6.35	010403b	20	
75250	0.345	0.28	0.12	5.33	010403b	21	
75251	0.27	0.208	0.07	6.15	010403b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75252	0.185	0.143	0.05	5.74	010404a	1	
75253	0.198	0.129	0.12	8.32	010404a	2	
75254	0.188	0.139	0.06	5.9	010404a	3	
75255	0.292	0.22	0.1	6.14	010404a	4	
75256	0.328	0.179	0.07	6.25	010404a	5	
75257	0.117	0.08	0.03	5.03	010404a	6	
75258	0.126	0.082	0.03	5.45	010404a	7	
75259	0.138	0.099	0.02	5.59	010404a	8	
75260	0.103	0.078	0.03	6.16	010404a	9	
75261	0.12	0.089	0.03	6.06	010404a	10	
75262	0.145	0.108	0.05	5.39	010404a	11	
75263	0.101	0.067	0.02	9	010404a	12	
75264	0.182	0.132	0.16	8.61	010404a	13	
75265	0.083	0.056	0.08	5.39	010404a	14	
75266	0.212	0.138	0.07	6.99	010404a	15	
75267	0.048	0.02	0.01	4.86	010404a	16	
75268	0.094	0.046	0.06	5.33	010404a	17	
75269	0.081	0.06	0.03	5.83	010404a	18	
75270	0.048	0.032	0.01	6.16	010404a	19	
75271	0.073	0.052	0.03	5.78	010404a	20	
75272	0.076	0.055	0.02	5.45	010404a	21	
75273	0.114	0.079	0.03	6.06	010404a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75815	0.168	0.027	0.04	4.18	010425d	1	
75816	0.104	0.012	0.02	3.73	010425d	2	
75817	0.158	0.026	0.05	2.98	010425d	3	
75818	0.259	0.032	0.06	4.29	010425d	4	
75819	0.172	0.013	0.04	4.03	010425d	5	
75820	0.201	0.022	0.05	6.13	010425d	6	
75821	0.19	0.019	0.05	5.99	010425d	7	
75822	0.169	0.022	0.04	4.03	010425d	8	
75823	0.176	0.025	0.06	6.34	010425d	9	
75824	0.112	0.018	0.04	5.11	010425d	10	
75825	0.231	0.031	0.18	3.85	010425d	11	
75826	0.081	0.006	0.04	4.42	010425d	12	
75827	0.241	0.032	0.11	4.68	010425d	13	
75828	0.546	0.044	0.29	5.3	010425d	14	
75829	0.723	0.048	0.63	6.19	010425d	15	
75830	1.035	0.08	0.85	5.46	010425d	16	
75831	0.641	0.045	0.7	6.38	010425d	17	
75832	0.712	0.058	0.42	5.09	010425d	18	
75833	0.441	0.059	0.44	5.49	010425d	19	
75834	0.847	0.072	1.35	6.38	010425d	20	
75835	0.439	0.044	0.33	4.51	010425d	21	
75836	0.295	0.028	0.23	3.95	010425d	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75793	0.523	0.11	0.31	4.39	010425a	1	
75794	0.444	0.11	0.21	5.49	010425a	2	
75795	0.442	0.113	0.16	5.47	010425a	3	
75796	0.238	0.033	0.06	4.6	010425a	4	
75797	0.307	0.057	0.08	5.45	010425a	5	
75798	0.108	0.017	0.01	4.27	010425a	6	
75799	0.18	0.034	0.02	4.99	010425a	7	
75800	0.168	0.026	0.01	3.91	010425a	8	
75801	0.135	0.024	0.01	3.95	010425a	9	
75802	0.13	0.018	0.05	5.03	010425a	10	
75803	0.138	0.018	0.01	4.93	010425a	11	
75804	0.094	0.01	0.01	3.81	010425a	12	
75805	0.136	0.013	0.01	5.55	010425a	13	
75806	0.39	0.046	0.13	5.02	010425a	14	
75807	0.234	0.029	0.05	5.09	010425a	15	
75808	0.213	0.03	0.06	4.96	010425a	16	
75809	0.66	0.053	0.44	3.51	010425a	17	
75810	0.486	0.063	0.26	3.4	010425a	18	
75811	0.41	0.052	0.36	2.95	010425a	19	
75812	0.218	0.025	0.19	3.38	010425a	20	
75813	0.17	0.017	0.01	3.49	010425a	21	
75814	0.172	0.021	0.01	3.85	010425a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75757	0.717	0.184	0.77	3.9	010421C	1	
75758	0.784	0.519	0.94	3.43	010421C	2	
75759	0.604	0.225	0.8	4.51	010421C	3	
75760	0.593	0.193	0.75	3.51	010421C	4	
75761	0.62	0.208	0.88	3.97	010421C	5	
75762	0.701	0.194	0.91	3.93	010421C	6	
75763	0.683	0.088	1.11	4.87	010421C	7	
75764	0.613	0.077	1.13	4.03	010421C	8	
75765	0.593	0.162	1.49	4.53	010421C	9	
75766	0.545	0.21	1.31	4.6	010421C	10	
75767	0.622	0.329	1.89	5.21	010421C	11	
75768	0.563	0.124	1.67	4.04	010421C	12	
75769	0.304	0.249	0.18	4.07	010421C	13	
75770	0.548	0.145	0.22	4.74	010421C	14	
75771	0.383	0.046	0.18	3.99	010421C	15	
75772	0.423	0.077	0.21	6.18	010421C	16	
75773	0.183	0.031	0.06	5.43	010421C	17	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75735	0.187	0.033	0.13	3.98	010421b	1	
75736	0.241	0.034	0.16	6.04	010421b	2	
75737	0.198	0.04	0.09	5.83	010421b	3	
75738	0.273	0.051	0.12	6.95	010421b	4	
75739	0.363	0.066	0.16	7.78	010421b	5	
75740	0.279	0.045	0.14	4.35	010421b	6	
75741	0.278	0.052	0.13	4.77	010421b	7	
75742	0.208	0.043	0.11	4.22	010421b	8	
75743	0.394	0.071	0.2	5.4	010421b	9	
75744	0.41	0.067	0.22	5.32	010421b	10	
75745	0.459	0.085	0.21	6.27	010421b	11	
75746	0.468	0.053	0.31	5.1	010421b	12	
75747	0.539	0.07	0.52	5.5	010421b	13	
75748	0.744	0.068	1.03	4.96	010421b	14	
75749	0.873	0.098	0.87	5.47	010421b	15	
75750	0.875	0.128	0.8	5.64	010421b	16	
75751	0.736	0.189	0.73	5.3	010421b	17	
75752	0.663	0.158	0.79	3.08	010421b	18	
75753	0.567	0.068	0.33	5.22	010421b	19	
75754	0.77	0.092	0.57	5.28	010421b	20	
75755	0.884	0.093	0.7	4.98	010421b	21	
75756	0.717	0.077	0.68	4.65	010421b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75713	0.08	0.016	0.02	5.54	010421a	1	
75714	0.04	0.003	0.01	5.71	010421a	2	
75715	0.071	0.009	0.04	4.51	010421a	3	
75716	0.101	0.08	0.05	3.91	010421a	4	
75717	0.068	0.023	0.02	4.78	010421a	5	
75718	0.129	0.012	0.04	4.33	010421a	6	
75719	0.199	0.011	0.06	5.29	010421a	7	
75720	0.093	0.016	0.04	4.16	010421a	8	
75721	0.07	0.01	0.03	4.12	010421a	9	
75722	0.127	0.095	0.04	2.9	010421a	10	
75723	0.052	0.038	0.02	4.18	010421a	11	
75724	0.088	0.071	0.03	3.07	010421a	12	
75725	0.104	0.083	0.05	3.75	010421a	13	
75726	0.068	0.04	0.03	4.37	010421a	14	
75727	0.055	0.035	0.02	3.98	010421a	15	
75728	0.076	0.023	0.03	3.36	010421a	16	
75729	0.073	0.015	0.04	4.77	010421a	17	
75730	0.109	0.041	0.03	4.77	010421a	18	
75731	0.089	0.022	0.03	4.27	010421a	19	
75732	0.133	0.017	0.03	3.11	010421a	20	
75733	0.138	0.022	0.05	4.9	010421a	21	
75734	0.194	0.026	0.08	5.09	010421a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75694	0.286	0.198	0.09	5.28	010413F	1	CORE
75695	0.327	0.26	0.09	5.46	010413F	2	
75696	0.22	0.146	0.08	4.57	010413F	3	
75697	0.26	0.206	0.11	4.71	010413F	4	
75698	0.36	0.182	0.14	5.12	010413F	5	
75699	0.292	0.238	0.11	5.01	010413F	6	
75700	0.283	0.12	0.13	4.62	010413F	7	
75701	0.266	0.147	0.13	4.9	010413F	8	
75702	0.199	0.029	0.05	5.51	010413F	9	
75703	0.258	0.185	0.08	5.56	010413F	10	
75704	0.215	0.098	0.09	5.86	010413F	11	
75705	0.125	0.06	0.06	5.59	010413F	12	
75706	0.269	0.139	0.17	5.64	010413F	13	
75707	0.092	0.051	0.09	4.42	010413F	14	
75708	0.487	0.088	0.37	7.11	010413F	15	
75709	0.698	0.082	0.36	5.93	010413F	16	
75710	0.092	0.014	0.06	6.4	010413F	17	
75711	0.248	0.088	0.12	5.06	010413F	18	
75712	0.122	0.073	0.06	5.05	010413F	19	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75672	0.144	0.095	0.12	5.62	010413E	1	CORE
75673	0.182	0.117	0.21	4.6	010413E	2	
75674	0.084	0.032	0.05	3.58	010413E	3	
75675	0.118	0.05	0.09	4.67	010413E	4	
75676	0.21	0.111	0.14	5.77	010413E	5	
75677	0.177	0.061	0.16	7.47	010413E	6	
75678	0.028	0.015	0.01	5.3	010413E	7	
75679	0.377	0.326	0.32	8.14	010413E	8	
75680	0.113	0.089	0.05	4.92	010413E	9	
75681	0.117	0.09	0.05	4.4	010413E	10	
75682	0.147	0.101	0.09	4.47	010413E	11	
75683	0.265	0.126	0.2	4.63	010413E	12	
75684	0.178	0.035	0.12	4.15	010413E	13	
75685	0.257	0.207	0.22	3.95	010413E	14	
75686	0.28	0.231	0.21	3.79	010413E	15	
75687	0.204	0.164	0.18	3.48	010413E	16	
75688	0.084	0.063	0.03	3.01	010413E	17	
75689	0.029	0.013	0.01	5.75	010413E	18	
75690	0.265	0.21	0.18	4.27	010413E	19	
75691	0.465	0.365	0.23	4.82	010413E	20	
75692	0.474	0.384	0.19	5.23	010413E	21	
75693	0.247	0.164	0.06	5.53	010413E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75650	0.268	0.031	0.14	5.99	010412E	1	CORE
75651	0.329	0.093	0.17	6.31	010412E	2	
75652	0.565	0.302	0.26	5.14	010412E	3	
75653	0.335	0.048	0.24	5.96	010412E	4	
75654	0.275	0.047	0.4	6	010412E	5	
75655	0.284	0.021	0.27	5.63	010412E	6	
75656	0.244	0.031	0.28	7.72	010412E	7	
75657	0.185	0.016	0.16	5.29	010412E	8	
75658	0.216	0.043	0.26	6.26	010412E	9	
75659	0.177	0.092	0.11	5.03	010412E	10	
75660	0.091	0.045	0.07	4.95	010412E	11	
75661	0.102	0.057	0.08	4.97	010412E	12	
75662	0.101	0.034	0.09	5.17	010412E	13	
75663	0.101	0.024	0.11	4.68	010412E	14	
75664	0.127	0.079	0.15	4.48	010412E	15	
75665	0.075	0.037	0.04	5.02	010412E	16	
75666	0.1	0.04	0.09	5.18	010412E	17	
75667	0.063	0.028	0.03	4.16	010412E	18	
75668	0.14	0.079	0.08	5.47	010412E	19	
75669	0.106	0.058	0.06	4.42	010412E	20	
75670	0.139	0.063	0.08	4.15	010412E	21	
75671	0.128	0.038	0.09	4.4	010412E	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75628	0.054	0.017	0.01	5.29	010412D	1	CORE
75629	0.054	0.024	0.01	5.69	010412D	2	
75630	0.067	0.031	0.03	6.13	010412D	3	
75631	0.167	0.111	0.13	2.79	010412D	4	
75632	0.016	0.009	0.01	5.71	010412D	5	
75633	0.158	0.118	0.07	1.82	010412D	6	
75634	0.223	0.073	0.21	3.46	010412D	7	
75635	0.351	0.277	0.36	6.06	010412D	8	
75636	0.01	0.006	0.01	4.55	010412D	9	
75637	0.008	0.007	0.01	4.57	010412D	10	
75638	0.11	0.04	0.1	6.33	010412D	11	
75639	0.14	0.108	0.09	3.3	010412D	12	
75640	0.096	0.065	0.1	3.14	010412D	13	
75641	0.092	0.063	0.08	3.04	010412D	14	
75642	0.118	0.083	0.06	4.72	010412D	15	
75643	0.078	0.05	0.05	4.73	010412D	16	
75644	0.215	0.13	0.15	6.18	010412D	17	
75645	0.074	0.018	0.03	4.51	010412D	18	
75646	0.25	0.168	0.07	1.89	010412D	19	
75647	0.201	0.076	0.06	6.03	010412D	20	
75648	0.398	0.268	0.17	6.42	010412D	21	
75649	0.216	0.05	0.07	6.33	010412D	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75582	0.141	0.116	0.05	4.88	010411c	1	
75583	0.203	0.176	0.13	4.3	010411c	2	
75584	0.287	0.25	0.11	5.89	010411c	3	
75585	0.136	0.1	0.06	4.51	010411c	4	
75586	0.059	0.029	0.01	3.1	010411c	5	
75587	0.127	0.083	0.04	2.79	010411c	6	
75588	0.093	0.042	0.03	2.96	010411c	7	
75589	0.115	0.067	0.05	3.79	010411c	8	
75590	0.091	0.041	0.02	4.24	010411c	9	
75591	0.063	0.028	0.01	3.57	010411c	10	
75592	0.063	0.032	0.02	4.3	010411c	11	
75593	0.116	0.067	0.05	4.8	010411c	12	
75594	0.114	0.059	0.04	4.8	010411c	13	
75595	0.093	0.053	0.04	4.79	010411c	14	
75596	0.076	0.037	0.02	4.19	010411c	15	
75597	0.09	0.041	0.03	4.53	010411c	16	
75598	0.055	0.027	0.02	5.68	010411c	17	
75599	0.112	0.058	0.03	5.96	010411c	18	
75600	0.112	0.065	0.03	5.19	010411c	19	
75601	0.111	0.068	0.03	4.98	010411c	20	
75602	0.048	0.017	0.02	5.4	010411c	21	
75603	0.113	0.085	0.06	4.72	010411c	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75604	0.079	0.051	0.03	4.29	010411b	1	
75605	0.082	0.057	0.03	4.58	010411b	2	
75606	0.053	0.035	0.02	4.59	010411b	3	
75607	0.101	0.074	0.03	5.05	010411b	4	
75608	0.085	0.054	0.03	6.47	010411b	5	
75609	0.089	0.03	0.06	4.82	010411b	6	
75610	0.09	0.03	0.04	5.18	010411b	7	
75611	0.085	0.033	0.03	5.51	010411b	8	
75612	0.078	0.022	0.03	4.89	010411b	9	
75613	0.089	0.03	0.04	4	010411b	10	
75614	0.067	0.031	0.04	4.03	010411b	11	
75615	0.063	0.022	0.03	3.77	010411b	12	
75616	0.053	0.021	0.02	2.58	010411b	13	
75617	0.059	0.024	0.02	4.45	010411b	14	
75618	0.077	0.042	0.03	3.59	010411b	15	
75619	0.097	0.039	0.03	5.58	010411b	16	
75620	0.092	0.027	0.03	5.15	010411b	17	
75621	0.09	0.027	0.04	4.95	010411b	18	
75622	0.092	0.039	0.05	4.8	010411b	19	
75623	0.081	0.037	0.03	5.34	010411b	20	
75624	0.086	0.04	0.05	4.83	010411b	21	
75625	0.108	0.056	0.06	4.63	010411b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75417	0.57	0.016	0.42	7.11	010411a	1	
75418	0.545	0.014	0.45	7.52	010411a	2	
75419	0.342	0.006	0.2	5.62	010411a	3	
75420	0.356	0.006	0.18	5.48	010411a	4	
75421	0.288	0.102	0.1	4.88	010411a	5	
75422	0.183	0.116	0.09	4.61	010411a	6	
75423	0.253	0.016	0.12	5.61	010411a	7	
75424	0.216	0.137	0.15	3.98	010411a	8	
75425	0.227	0.012	0.18	4.07	010411a	9	
75426	0.169	0.005	0.12	5.38	010411a	10	
75427	0.245	0.008	0.14	6.02	010411a	11	
75428	0.273	0.011	0.34	5.27	010411a	12	
75429	0.183	0.005	0.18	6.24	010411a	13	
75430	0.131	0.024	0.13	5.03	010411a	14	
75431	0.179	0.017	0.17	7.73	010411a	15	
75432	0.306	0.032	0.36	8.56	010411a	16	
75433	0.66	0.019	0.58	6.7	010411a	17	
75434	0.081	0.028	0.11	4.66	010411a	18	
75435	0.109	0.039	0.09	3.9	010411a	19	
75436	0.048	0.002	0.04	4.49	010411a	20	
75626	0.033	0.007	0.03	5.02	010411a	21	
75627	0.021	0.003	0.03	5.36	010411a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75395	0.733	0.041	1.28	4.29	010409H	1	
75396	0.773	0.072	1.33	4.46	010409H	2	
75397	0.892	0.532	1.64	4.77	010409H	3	
75398	0.743	0.348	0.95	5.52	010409H	4	
75399	0.706	0.233	0.81	4.5	010409H	5	
75400	1.022	0.606	0.49	3.77	010409H	6	
75401	1.115	0.66	0.57	4.16	010409H	7	
75402	0.737	0.44	0.37	4.28	010409H	8	
75403	0.334	0.206	0.12	3.09	010409H	9	
75404	0.362	0.041	0.15	3.47	010409H	10	
75405	0.297	0.198	0.17	2.96	010409H	11	
75406	0.184	0.116	0.18	8.21	010409H	12	
75407	0.053	0.03	0.01	3.99	010409H	13	
75408	0.708	0.032	0.42	6.08	010409H	14	
75409	0.248	0.175	0.12	2.43	010409H	15	
75410	0.041	0.014	0.01	2.92	010409H	16	
75411	0.142	0.093	0.01	6.16	010409H	17	
75412	0.195	0.124	0.04	4.06	010409H	18	
75413	0.301	0.227	0.35	5.63	010409H	19	
75414	1.301	0.044	0.73	9.26	010409H	20	
75415	0.13	0.005	0.06	4.33	010409H	21	
75416	0.778	0.027	0.72	5.58	010409H	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75381	0.237	0.034	0.08	3.79	010409G	1	
75382	0.407	0.15	0.13	4.94	010409G	2	
75286	0.425	0.026	0.13	5.08	010409G	3	
75287	0.689	0.047	0.26	5.68	010409G	4	
75288	0.914	0.061	0.4	5.91	010409G	5	
75289	0.78	0.073	0.52	5.23	010409G	6	
75290	0.44	0.029	0.45	4.19	010409G	7	
75291	0.355	0.023	0.44	3.7	010409G	8	
75292	0.789	0.073	1.01	4.5	010409G	9	
75293	0.675	0.163	1.13	4.16	010409G	10	
75294	0.672	0.089	1.22	3.84	010409G	11	
75437	0.079	0.013	0.07	4.32	010409G	12	
75438	0.089	0.022	0.05	4.76	010409G	13	
75439	0.063	0.027	0.07	3.48	010409G	14	
75440	0.12	0.072	0.07	6.26	010409G	15	
75441	0.036	0.016	0.02	3.39	010409G	16	
75442	0.071	0.032	0.04	3.75	010409G	17	
75443	0.075	0.03	0.04	3.03	010409G	18	
75444	0.05	0.013	0.04	3.1	010409G	19	
75445	0.166	0.116	0.09	4.18	010409G	20	
75446	0.34	0.265	0.28	4.81	010409G	21	
75447	0.032	0.012	0.04	3.49	010409G	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75324	0.507	0.032	0.51	5.09	010407D	1	
75332	0.615	0.02	0.69	4.73	010407D	2	
75333	0.286	0.007	0.37	4.5	010407D	3	
75334	0.4	0.012	0.39	4.88	010407D	4	
75335	0.465	0.011	0.63	5.23	010407D	5	
75336	0.28	0.008	0.45	4.04	010407D	6	
75337	0.185	0.006	0.22	3.35	010407D	7	
75338	0.257	0.011	0.26	1.91	010407D	8	
75339	0.17	0.007	0.13	2.63	010407D	9	
75340	0.112	0.005	0.09	2.74	010407D	10	
75341	0.143	0.005	0.13	3.49	010407D	11	
75370	0.175	0.014	0.07	5.57	010407D	12	
75371	0.023	0.006	0.01	6.31	010407D	13	
75372	0.393	0.027	0.16	5.17	010407D	14	
75373	0.207	0.055	0.09	5.03	010407D	15	
75374	0.432	0.282	0.14	5.62	010407D	16	
75375	0.464	0.294	0.14	6.29	010407D	17	
75376	0.454	0.426	0.19	6.29	010407D	18	
75377	0.523	0.407	0.21	5.59	010407D	19	
75378	0.423	0.364	0.16	6.37	010407D	20	
75379	0.233	0.094	0.09	3.91	010407D	21	
75380	0.241	0.029	0.1	4.02	010407D	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75342	0.301	0.014	0.25	3.07	010406b	1	
75343	0.183	0.009	0.16	2.04	010406b	2	
75344	0.199	0.01	0.15	2.08	010406b	3	
75345	0.297	0.074	0.24	3.51	010406b	4	
75346	0.071	0.055	0.01	5.89	010406b	5	
75347	0.175	0.149	0.03	5.95	010406b	6	
75348	0.122	0.082	0.01	5.68	010406b	7	
75349	0.104	0.073	0.01	5.61	010406b	8	
75350	0.076	0.06	0.01	5.01	010406b	9	
75351	0.071	0.049	0.01	5.65	010406b	10	
75352	0.06	0.038	0.01	5.56	010406b	11	
75353	0.058	0.028	0.01	5.92	010406b	12	
75354	0.068	0.04	0.01	5.48	010406b	13	
75355	0.08	0.062	0.01	6.14	010406b	14	
75356	0.068	0.05	0.02	6.41	010406b	15	
75357	0.115	0.089	0.04	6.18	010406b	16	
75358	0.087	0.062	0.03	6.04	010406b	17	
75359	0.106	0.054	0.04	6.7	010406b	18	
75360	0.24	0.166	0.05	6.4	010406b	19	
75361	0.259	0.18	0.05	6.44	010406b	20	
75362	0.109	0.021	0.02	5.94	010406b	21	
75363	0.076	0.045	0.03	5.4	010406b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75318	0.421	0.02	0.29	4.64	010406a	1	
75319	0.373	0.013	0.33	4.48	010406a	2	
75320	0.405	0.017	0.3	4.96	010406a	3	
75321	0.446	0.026	0.33	3.95	010406a	4	
75322	0.513	0.047	0.36	4.72	010406a	5	
75323	0.456	0.022	0.26	4.08	010406a	6	
75325	0.896	0.07	0.47	5.07	010406a	7	
75326	0.426	0.018	0.26	4.19	010406a	8	
75327	0.57	0.037	0.27	3.79	010406a	9	
75328	0.279	0.016	0.23	3.39	010406a	10	
75329	0.235	0.016	0.28	4.8	010406a	11	
75330	0.218	0.012	0.21	3.33	010406a	12	
75331	0.302	0.013	0.29	3.06	010406a	13	
75364	0.062	0.02	0.01	5.22	010406a	14	
75365	0.126	0.022	0.01	5.91	010406a	15	
75366	0.225	0.031	0.03	4.9	010406a	16	
75367	0.21	0.012	0.02	4.91	010406a	17	
75368	0.266	0.018	0.05	5.01	010406a	18	
75369	0.317	0.025	0.06	4.98	010406a	19	
75383	0.355	0.051	0.29	5.66	010406a	20	
75384	0.525	0.045	0.1	4.84	010406a	21	
75385	0.497	0.023	0.16	5.02	010406a	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
57004	0.253	0.143	0.34	3.21	010404f	1	
57006	0.142	0.042	0.18	4.3	010404f	2	
57008	0.242	0.092	0.18	5.14	010404f	3	
57011	0.757	0.079	0.52	7.66	010404f	4	
57429	0.112	0.038	0.14	2.5	010404f	5	
57430	0.109	0.032	0.1	2.27	010404f	6	
57431	0.152	0.078	0.22	4.33	010404f	7	
57432	0.237	0.134	0.29	5.54	010404f	8	
57435	0.142	0.063	0.18	2.41	010404f	9	
57440	0.135	0.067	0.13	3.11	010404f	10	
57806	0.454	0.018	0.56	5.02	010404f	11	
57811	0.323	0.157	0.94	7.67	010404f	12	
57817	0.3	0.152	0.62	6.38	010404f	13	
57814	0.367	0.128	0.62	5.67	010404f	14	
57819	0.205	0.028	0.32	5.61	010404f	15	
57818	0.028	0.002	0.03	2.9	010404f	16	
57820	0.199	0.011	0.2	5.24	010404f	17	
57821	0.206	0.011	0.35	5.83	010404f	18	
57823	0.048	0.004	0.06	3.09	010404f	19	
57825	0.229	0.021	0.3	4.81	010404f	20	
58179	0.216	0.032	0.3	4.76	010404f	21	
58180	0.268	0.03	0.38	5.7	010404f	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75274	0.114	0.076	0.01	6.34	010404b	1	core
75275	0.106	0.074	0.03	8.24	010404b	2	
75276	0.256	0.172	0.07	6.08	010404b	3	
75277	0.034	0.012	0.01	7.07	010404b	4	
75278	0.071	0.033	0.02	5.29	010404b	5	
75279	0.029	0.017	0.01	5.15	010404b	6	
75280	0.027	0.017	0.01	5.38	010404b	7	
75281	0.033	0.021	0.01	5.65	010404b	8	
75282	0.031	0.027	0.04	5.29	010404b	9	
75283	0.073	0.042	0.03	5.4	010404b	10	
75284	0.03	0.017	0.01	5.8	010404b	11	
75285	0.082	0.048	0.07	6.31	010404b	12	
75286	0.045	0.014	0.02	4.77	010404b	13	
75287	0.205	0.077	0.06	5.61	010404b	14	
75288	0.247	0.107	0.15	7.03	010404b	15	
75289	0.248	0.075	0.09	6.9	010404b	16	
75290	0.102	0.006	0.1	6.31	010404b	17	
75291	0.326	0.094	0.14	6.33	010404b	18	
75292	0.352	0.193	0.15	5.37	010404b	19	
75293	0.045	0.016	0.01	5.35	010404b	20	
75294	0.217	0.143	0.06	8.78	010404b	21	
75295	0.176	0.041	0.05	7.62	010404b	22	

Tag .	Cu-tot(%)	Cu-ns(%)	Au(g/t)	Fe-tot(%)	File Name	Posn	Comments
75774	0.21	0.021	0.05	6.33	010428d	1	
75775	0.291	0.015	0.14	6.31	010428d	2	
75776	0.4	0.063	0.46	6.13	010428d	3	
75777	0.662	0.071	0.63	6.14	010428d	4	
75778	0.432	0.035	0.43	5.18	010428d	5	
75779	0.811	0.068	0.99	6.47	010428d	6	
75780	0.249	0.05	0.16	5.89	010428d	7	
75781	0.269	0.016	0.12	6.95	010428d	8	
75782	0.24	0.039	0.1	6.03	010428d	9	
75783	0.238	0.16	0.08	5.94	010428d	10	
75784	0.206	0.067	0.16	5.84	010428d	11	
75785	0.334	0.067	0.2	7.75	010428d	12	
75786	0.234	0.032	0.13	5.24	010428d	13	
75787	0.376	0.229	0.24	5.84	010428d	14	
75788	0.302	0.038	0.2	5.3	010428d	15	
75789	0.31	0.052	0.22	5.16	010428d	16	
75790	0.512	0.051	0.44	4.3	010428d	17	
75791	0.58	0.066	0.16	4.32	010428d	18	
75792	0.41	0.138	0.17	4.04	010428d	19	
75837	0.317	0.062	0.1	5.17	010428d	20	
75838	0.345	0.039	0.18	4.9	010428d	21	
75839	0.345	0.065	0.17	4.61	010428d	22	

ALS Chemex

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To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. :I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Cu ppm	FeCu nsul %	nsul %	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
72351	205	226	198	< 5	2	3260	3.90	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72352	205	226	350	< 5	2	5480	4.70	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72353	205	226	666	< 5	18	6220	4.35	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72354	205	226	532	< 5	4	5840	4.95	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72355	205	226	330	< 5	6	3240	5.00	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72356	205	226	334	< 5	4	2820	5.30	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72357	205	226	234	< 5	4	2390	5.15	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72358	205	226	336	< 5	4	2590	5.50	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72359	205	226	354	< 5	4	2560	5.35	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72360	205	226	384	< 5	4	2230	5.00	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72361	205	226	2480	95	132	>10000	4.30	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72362	205	226	4000	120	160	>10000	3.85	0.13	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72363	205	226	728	5	20	4480	3.65	0.35	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72364	205	226	312	< 5	6	2600	5.95	0.13	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72365	205	226	254	< 5	6	2330	5.25	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72366	205	226	410	< 5	4	3030	5.00	0.07	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72367	205	226	472	< 5	10	4140	5.15	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72368	205	226	664	< 5	8	4740	4.75	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72369	205	226	420	< 5	4	3340	4.60	0.16	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72370	205	226	442	< 5	4	3270	4.60	0.14	1.8	1.80	8	< 10	370	< 0.5	< 2	2.07	< 0.5	13	4	3640	4.97
72371	205	226	284	< 5	4	3830	4.75	0.28	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72372	205	226	380	< 5	16	2630	4.90	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72373	205	226	390	< 5	8	4090	4.30	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72374	205	226	414	< 5	12	4040	4.15	0.12	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72375	205	226	170	< 5	2	2930	4.60	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72376	205	226	274	< 5	4	4440	4.05	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72377	205	226	266	< 5	4	4990	4.20	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72378	205	226	192	< 5	4	4120	4.10	0.09	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72379	205	226	226	< 5	4	5050	3.80	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72380	205	226	76	< 5	4	3460	4.65	0.07	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72381	205	226	98	< 5	4	4480	4.55	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72382	205	226	72	< 5	4	4630	5.55	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72383	205	226	248	< 5	8	4190	5.80	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72384	205	226	208	< 5	4	5760	4.90	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72385	205	226	136	< 5	4	2880	7.65	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72386	205	226	98	< 5	4	2990	5.80	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72387	205	226	200	< 5	6	4240	7.35	0.07	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72388	205	226	176	< 5	6	2390	7.30	0.11	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72389	205	226	342	< 5	14	3490	6.85	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72390	205	226	312	< 5	14	3800	7.10	0.10	1.0	1.67	14	< 10	100	0.5	6	4.03	< 0.5	23	5	4350	7.61

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

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ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. :I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
72351	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72352	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72353	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72354	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72355	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72356	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72357	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72358	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72359	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72360	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72361	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72362	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72363	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72364	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72365	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72366	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72367	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72368	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72369	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72370	205	226	< 10	< 1	0.19	< 10	0.68	445	4	0.10	4	1330	10	0.18	< 2	3	69	0.17	< 10	20	197
72371	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72372	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72373	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72374	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72375	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72376	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72377	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72378	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72379	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72380	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72381	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72382	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72383	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72384	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72385	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72386	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72387	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72388	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72389	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72390	205	226	< 10	3	0.19	< 10	1.28	515	3	0.04	4	1090	10	0.23	< 2	9	110	0.18	< 10	30	238

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES % pH	* Sulfate	S %Sulf Sulfate	S% calc.	S % Total	CO2 % inorg	Max Pot Acid **Poten	Neutral **Poten	Net Neu **	Ratio NP/MPA	Fizz Test
72351	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72352	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72353	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72354	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72355	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72356	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72357	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72358	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72359	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72360	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72361	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72362	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72363	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72364	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72365	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72366	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72367	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72368	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72369	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72370	205	226	< 10	68	8.6	0.01	< 0.01	0.15	0.15	< 0.2	5	16	11	3.20	2
72371	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72372	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72373	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72374	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72375	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72376	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72377	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72378	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72379	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72380	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72381	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72382	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72383	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72384	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72385	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72386	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72387	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72388	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72389	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72390	205	226	< 10	78	8.6	0.01	< 0.01	0.18	0.18	1.6	6	58	52	9.67	2

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Cu ppm	FeCu nsul %	nsul %	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
72391	205	226	1280	< 5	32	>10000	5.70	0.09	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72392	205	226	90	< 5	10	490	6.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72393	205	226	48	< 5	18	1180	7.20	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72394	205	226	32	< 5	28	1190	7.25	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72395	205	226	62	< 5	26	2510	6.75	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72396	205	226	98	< 5	4	1565	7.70	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72397	205	226	84	< 5	10	2710	7.45	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72398	205	226	106	< 5	10	1395	9.15	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72399	205	226	52	< 5	20	1155	9.50	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72400	205	226	32	< 5	8	796	7.80	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72426	205	226	96	< 5	12	1685	6.90	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72427	205	226	76	< 5	20	1095	5.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73086	205	226	70	< 5	4	1125	4.25	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73087	205	226	52	< 5	6	774	3.55	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73088	205	226	46	< 5	4	760	2.90	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73089	205	226	44	< 5	6	579	3.05	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73090	205	226	50	< 5	14	466	3.85	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73091	205	226	30	< 5	6	334	3.65	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73092	205	226	38	< 5	10	378	3.45	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73093	205	226	20	< 5	4	414	1.80	0.01	< 0.2	0.81	8	< 10	760	0.5	< 2	1.63	< 0.5	5	8	448	2.03
73094	205	226	22	< 5	4	326	2.35	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73095	205	226	10	< 5	< 2	268	3.00	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73096	205	226	22	< 5	< 2	366	2.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73097	205	226	16	< 5	< 2	403	3.20	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73098	205	226	18	< 5	< 2	277	2.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73099	205	226	70	< 5	4	492	2.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73100	205	226	110	< 5	4	500	2.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73101	205	226	46	< 5	2	383	3.10	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73102	205	226	32	< 5	< 2	307	2.30	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73103	205	226	44	< 5	2	417	2.50	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73104	205	226	60	< 5	8	682	3.30	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73105	205	226	88	< 5	4	778	2.85	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73106	205	226	6	< 5	6	111	5.00	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73107	205	226	528	25	272	1335	6.10	0.07	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73108	205	226	8	< 5	2	246	5.25	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73109	205	226	14	< 5	4	324	5.25	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73110	205	226	6	< 5	4	265	5.30	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73111	205	226	10	< 5	4	292	5.60	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73112	205	226	8	< 5	4	240	5.35	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73113	205	226	90	< 5	< 2	627	5.25	0.03	0.2	2.27	10	< 10	120	0.5	4	1.87	2.0	26	3	681	5.63

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72391	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72392	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72393	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72394	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72395	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72396	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72397	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72398	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72399	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72400	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72426	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72427	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73086	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73087	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73088	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73089	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73090	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73091	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73092	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73093	205	226	< 10	1	0.16	< 10	0.30	355	2	0.09	1	940	8	0.01	< 2	2	70	0.11	< 10	10	84
73094	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73095	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73096	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73097	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73098	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73099	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73100	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73101	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73102	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73103	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73104	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73105	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73106	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73107	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73108	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73109	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73110	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73111	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73112	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73113	205	226	10	< 1	0.10	< 10	1.44	2660	4	0.04	2	1510	134	< 0.01	2	5	278	0.14	< 10	10	134

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Page Number :2-C
Total Pages :7
Certificate Date: 02-APR-2001
Invoice No. :I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES % pH	* Sulfate	S %Sulf Sulfate	S% calc.	S % Total	CO2 %Max inorg	Pot Acid **Poten	Neutral **Poten	Net Neu **	Ratio NP/MPA	Fizz Test
72391	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72392	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72393	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72394	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72395	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72396	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72397	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72398	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72399	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72400	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72426	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
72427	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73086	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73087	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73088	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73089	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73090	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73091	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73092	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73093	205	226	< 10	52	9.0	0.01	< 0.01	< 0.01	< 0.01	0.8	1	23	22	23.00	2
73094	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73095	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73096	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73097	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73098	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73099	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73100	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73101	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73102	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73103	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73104	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73105	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73106	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73107	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73108	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73109	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73110	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73111	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73112	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73113	205	226	< 10	682	8.4	0.01	< 0.01	< 0.01	< 0.01	0.8	1	29	28	29.00	2

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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Certificate Date: 02-APR-2001
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P.O. Number :24385
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CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE	Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Cu ppm	FeCu nsul %	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
73114	205 226	56	< 5	< 2	486	5.10	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73115	205 226	38	< 5	< 2	380	5.00	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73116	205 226	114	< 5	2	512	4.50	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73117	205 226	44	< 5	< 2	414	5.65	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73118	205 226	60	< 5	< 2	633	5.45	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73119	205 226	22	< 5	< 2	170	5.40	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73120	205 226	26	< 5	< 2	171	5.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73121	205 226	18	< 5	< 2	138	5.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73122	205 226	18	< 5	< 2	240	5.20	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73123	205 226	112	< 5	< 2	1410	4.90	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73124	205 226	46	< 5	< 2	766	4.55	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73125	205 226	28	< 5	< 2	336	3.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73226	205 226	14	< 5	< 2	167	4.15	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73227	205 226	60	< 5	< 2	433	5.20	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73228	205 226	72	< 5	< 2	304	4.60	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73229	205 226	56	< 5	14	110	5.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73230	205 226	88	< 5	< 2	248	3.60	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73231	205 226	30	< 5	< 2	187	3.15	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73232	205 226	34	< 5	< 2	485	3.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73233	205 226	22	< 5	2	422	4.15	0.02	0.2	2.48	14	< 10	80	0.5	< 2	2.88	2.5	27	12	529	5.06
73234	205 226	18	< 5	< 2	362	4.55	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73235	205 226	60	< 5	2	334	5.45	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73236	205 226	70	< 5	2	402	5.00	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73237	205 226	4	5	14	169	6.20	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73238	205 226	26	< 5	< 2	506	5.25	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73239	205 226	30	< 5	< 2	236	4.20	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73240	205 226	26	< 5	< 2	215	4.45	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73241	205 226	32	< 5	< 2	705	4.65	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73242	205 226	38	< 5	4	899	4.25	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73243	205 226	176	< 5	6	3770	6.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73244	205 226	136	< 5	8	1670	4.75	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73245	205 226	< 2	< 5	< 2	53	3.15	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73246	205 226	4	< 5	< 2	81	4.00	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73247	205 226	80	< 5	6	941	3.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73248	205 226	176	< 5	4	4800	4.30	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73249	205 226	168	< 5	4	5890	5.75	0.08	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73250	205 226	96	< 5	2	3290	4.60	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73251	205 226	214	< 5	4	8170	3.20	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73252	205 226	112	< 5	6	4130	5.10	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73253	205 226	52	< 5	4	1830	5.25	< 0.01	0.6	2.36	12	< 10	70	0.5	< 2	2.49	< 0.5	11	11	1715	4.79

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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SAMPLE	PREP CODE		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
73114	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73115	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73116	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73117	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73118	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73119	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73120	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73121	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73122	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73123	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73124	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73125	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73226	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73227	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73228	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73229	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73230	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73231	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73232	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73233	205	226	10	< 1	0.12	< 10	1.60	3150	4	0.07	3	1920	28	0.03	< 2	6	329	0.19	< 10	20	139
73234	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73235	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73236	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73237	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73238	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73239	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73240	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73241	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73242	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73243	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73244	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73245	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73246	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73247	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73248	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73249	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73250	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73251	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73252	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73253	205	226	10	< 1	0.26	< 10	0.93	365	12	0.12	4	1790	6	0.50	< 2	4	591	0.16	< 10	< 10	222

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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To: MOUNT POLLEY MINING CORPORATION *

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. :I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES % pH	* Sulfate	S %Sulf Sulfate	S% calc.	S % Total	CO2 %Max inorgAcid	PotNeutral **Poten	Net Neu **Poten	Ratio NP/MPA	Fizz Test
73114	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73115	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73116	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73117	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73118	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73119	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73120	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73121	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73122	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73123	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73124	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73125	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73226	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73227	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73228	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73229	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73230	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73231	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73232	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73233	205	226	< 10	1550	8.4	0.01	< 0.01	0.01	0.01	1.0	1	39	38	39.00	2
73234	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73235	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73236	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73237	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73238	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73239	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73240	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73241	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73242	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73243	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73244	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73245	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73246	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73247	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73248	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73249	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73250	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73251	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73252	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73253	205	226	< 10	54	8.0	0.03	< 0.01	0.49	0.49	0.6	15	37	22	2.47	2

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION: _____

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. :I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Cu ppm	FeCu nsul %		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
73254	205	226	38	< 5	4	1100	4.05	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73255	205	226	60	< 5	6	1395	5.45	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73256	205	226	88	< 5	4	1780	4.35	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73257	205	226	106	< 5	2	2820	4.05	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73258	205	226	162	< 5	4	4630	5.10	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73259	205	226	122	< 5	6	4390	5.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73260	205	226	78	< 5	6	3780	5.10	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73261	205	226	252	< 5	6	6950	5.15	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73262	205	226	92	< 5	8	3440	5.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73263	205	226	176	< 5	6	4850	6.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73264	205	226	78	< 5	4	2400	4.20	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73265	205	226	148	< 5	4	4820	4.05	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73266	205	226	252	< 5	6	7620	4.15	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73267	205	226	260	< 5	8	7280	4.55	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73268	205	226	202	< 5	4	6600	3.25	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73269	205	226	182	< 5	6	5930	4.70	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73270	205	226	82	< 5	2	2420	3.15	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73271	205	226	364	< 5	4	7790	3.15	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73272	205	226	496	< 5	4	7230	4.85	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73273	205	226	204	< 5	4	4910	4.45	< 0.01	1.2	3.17	16	< 10	250	1.5	< 2	4.11	1.0	15	13	5180	4.41
73274	205	226	110	< 5	6	2900	4.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73275	205	226	114	< 5	4	2680	4.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73276	205	226	150	< 5	2	3600	4.85	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73277	205	226	144	< 5	8	2640	4.10	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73278	205	226	142	< 5	< 2	1900	5.40	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73279	205	226	110	< 5	6	1850	5.00	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73280	205	226	70	< 5	4	1300	4.95	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73281	205	226	114	< 5	4	1685	4.75	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73282	205	226	72	< 5	< 2	1040	4.70	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73283	205	226	218	< 5	14	3860	3.00	0.12	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73284	205	226	212	< 5	18	3700	3.20	0.18	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73285	205	226	268	5	16	5780	5.20	0.11	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73286	205	226	52	< 5	4	946	4.15	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73287	205	226	360	< 5	14	4740	3.90	0.29	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73288	205	226	160	< 5	6	2080	3.75	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73289	205	226	74	< 5	4	1245	2.25	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73290	205	226	154	5	8	2090	3.35	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73291	205	226	152	< 5	4	2210	5.15	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73292	205	226	118	10	16	1785	4.05	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73293	205	226	162	20	24	2740	4.90	0.03	1.2	3.92	8	< 10	150	0.5	2	2.30	1.0	24	17	2890	4.99

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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SAMPLE	PREP CODE		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
73254	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73255	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73256	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73257	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73258	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73259	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73260	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73261	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73262	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73263	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73264	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73265	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73266	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73267	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73268	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73269	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73270	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73271	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73272	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73273	205	226	< 10	< 1	0.27	< 10	0.81	460	9	0.26	4	1270	10	0.91	< 2	5	1475	0.11	< 10	< 10	207
73274	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73275	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73276	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73277	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73278	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73279	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73280	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73281	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73282	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73283	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73284	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73285	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73286	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73287	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73288	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73289	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73290	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73291	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73292	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73293	205	226	10	< 1	0.35	< 10	1.06	420	9	0.90	5	1720	< 2	0.26	< 2	2	606	0.14	< 10	< 10	162

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES % pH	* SulfateSulfate	S %Sulf calc.	S% Total	S % inorg	CO2 %Max Acid	PotNeutral **Poten	Net Neu **Poten	Ratio NP/MPA	Fizz Test
73254	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73255	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73256	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73257	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73258	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73259	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73260	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73261	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73262	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73263	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73264	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73265	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73266	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73267	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73268	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73269	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73270	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73271	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73272	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73273	205	226	< 10	132	8.1	0.01	< 0.01	0.80	0.80	2.0	25	66	41	2.64	2
73274	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73275	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73276	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73277	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73278	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73279	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73280	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73281	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73282	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73283	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73284	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73285	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73286	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73287	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73288	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73289	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73290	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73291	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73292	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73293	205	226	< 10	108	8.0	0.01	< 0.01	0.29	0.29	0.4	9	34	25	3.78	2

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73294	205	226	106	< 5	10	1900	6.30	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73295	205	226	486	< 5	16	8360	4.50	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73296	205	226	500	< 5	14	6210	8.65	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73297	205	226	454	< 5	14	4210	8.35	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73298	205	226	928	5	10	9570	8.65	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73299	205	226	796	< 5	8	9660	5.35	0.21	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73300	205	226	716	< 5	6	8780	5.20	0.25	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73476	205	226	256	< 5	6	2090	5.20	0.08	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73477	205	226	270	< 5	8	6280	5.15	0.08	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73478	205	226	208	< 5	8	4810	2.75	0.32	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73479	205	226	154	< 5	14	4260	4.25	0.13	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73480	205	226	110	< 5	6	2590	5.65	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73481	205	226	178	5	24	3890	5.70	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73482	205	226	168	< 5	14	2430	5.25	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73483	205	226	152	< 5	16	2920	6.10	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73484	205	226	84	< 5	8	1715	7.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73485	205	226	68	< 5	< 2	1780	5.95	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73486	205	226	40	< 5	8	1085	6.15	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73487	205	226	68	< 5	30	2040	5.90	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73488	205	226	152	< 5	24	3230	6.85	0.01	1.6	2.75	10	< 10	50	0.5	< 2	1.65	1.5	28	8	3260	6.85
73489	205	226	64	< 5	24	1905	6.50	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73490	205	226	78	< 5	8	1360	6.65	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73491	205	226	130	< 5	8	2010	5.10	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73492	205	226	158	< 5	8	2640	2.35	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73493	205	226	108	< 5	28	2920	5.85	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73494	205	226	168	< 5	14	3770	6.40	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73495	205	226	134	< 5	20	2330	5.35	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73496	205	226	86	< 5	20	1895	5.55	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73497	205	226	22	< 5	< 2	670	4.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73498	205	226	28	< 5	< 2	847	4.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73499	205	226	38	< 5	< 2	1400	4.40	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73500	205	226	52	< 5	< 2	1545	4.30	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74326	205	226	44	< 5	< 2	1170	5.05	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74327	205	226	50	< 5	< 2	1305	4.60	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74328	205	226	46	< 5	4	1265	4.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74329	205	226	246	< 5	10	6900	5.10	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74330	205	226	206	< 5	22	7690	5.05	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74331	205	226	150	5	44	6130	6.35	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74332	205	226	208	< 5	14	7670	5.50	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74333	205	226	90	< 5	36	2930	3.25	0.01	0.8	1.30	6	< 10	80	< 0.5	6	1.45	< 0.5	18	11	2960	3.28

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. : I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
73294	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73295	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73296	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73297	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73298	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73299	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73300	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73476	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73477	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73478	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73479	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73480	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73481	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73482	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73483	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73484	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73485	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73486	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73487	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73488	205	226	10	< 1	0.39	< 10	0.82	480	22	0.80	4	1620	12	0.35	< 2	3	372	0.17	< 10	< 10	218
73489	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73490	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73491	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73492	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73493	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73494	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73495	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73496	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73497	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73498	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73499	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73500	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74326	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74327	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74328	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74329	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74330	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74331	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74332	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74333	205	226	< 10	< 1	0.29	< 10	0.43	200	9	0.20	1	1240	2	0.65	< 2	1	150	0.14	< 10	< 10	118

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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LIKELY, BC
VOL 1N0

Project :
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Certificate Date: 02-APR-2001
Invoice No. :I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES % pH	* Sulfate	S %Sulf Sulfate	S% calc.	S % Total	CO2 % inorg	Max Pot Acid **Poten	Neutral **Poten	Net Neu **	Ratio NP/MPA	Fizz Test
73294	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73295	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73296	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73297	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73298	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73299	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73300	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73476	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73477	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73478	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73479	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73480	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73481	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73482	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73483	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73484	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73485	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73486	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73487	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73488	205	226	< 10	130	8.3	< 0.01	< 0.01	0.31	0.31	0.2	10	19	9	1.90	1
73489	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73490	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73491	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73492	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73493	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73494	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73495	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73496	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73497	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73498	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73499	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
73500	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74326	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74327	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74328	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74329	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74330	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74331	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74332	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74333	205	226	< 10	30	8.3	< 0.01	< 0.01	0.56	0.56	0.2	18	21	3	1.17	1

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Cu ppm	FeCu nsul %		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
74334	205	226	298	< 5	42	9770	4.00	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74335	205	226	236	< 5	66	7060	6.35	0.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74336	205	226	62	< 5	24	2160	4.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74337	205	226	72	< 5	16	2480	4.00	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74338	205	226	186	< 5	38	5790	5.35	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74339	205	226	104	< 5	16	3350	4.05	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74340	205	226	82	< 5	12	2870	4.05	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74341	205	226	64	< 5	6	2030	3.65	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74342	205	226	98	< 5	48	3790	3.85	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74343	205	226	46	< 5	36	1335	5.45	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74344	205	226	54	15	44	1680	4.10	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74345	205	226	76	< 5	28	1685	4.25	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74346	205	226	98	< 5	12	2640	4.15	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74347	205	226	182	5	10	4110	6.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74348	205	226	314	10	26	7420	5.50	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74349	205	226	370	< 5	20	9250	5.80	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74350	205	226	262	< 5	10	6470	7.15	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74476	205	226	118	< 5	16	2770	8.55	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74477	205	226	84	< 5	14	2260	4.50	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74478	205	226	254	< 5	10	5430	5.45	0.01	1.0	0.60	10	< 10	90	< 0.5	< 2	1.30	< 0.5	14	10	5650	5.41
74479	205	226	216	< 5	8	3310	3.05	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74480	205	226	234	< 5	8	3480	2.70	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74481	205	226	38	< 5	8	1025	3.65	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74482	205	226	100	< 5	4	2160	4.60	< 0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74483	205	226	222	< 5	16	3230	4.25	0.01	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74484	205	226	50	< 5	4	1050	6.00	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74485	205	226	516	< 5	10	2710	4.85	0.14	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74486	205	226	78	< 5	< 2	936	4.75	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74487	205	226	46	< 5	< 2	853	3.70	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74488	205	226	296	< 5	8	1485	4.30	0.09	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74489	205	226	174	< 5	8	1420	4.05	0.08	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74490	205	226	28	< 5	< 2	667	8.55	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74491	205	226	52	< 5	2	936	5.40	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74492	205	226	28	< 5	< 2	738	4.60	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74493	205	226	24	< 5	< 2	702	4.00	0.04	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74494	205	226	54	< 5	2	974	4.40	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74495	205	226	20	< 5	< 2	873	3.40	0.06	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74496	205	226	40	< 5	4	936	3.90	0.05	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74497	205	226	330	< 5	14	2550	5.75	0.10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74498	205	226	270	< 5	8	3360	5.80	0.09	1.2	1.49	6	< 10	140	< 0.5	< 2	2.81	1.5	15	7	3460	5.70

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
UNITS - KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. :10113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
74334	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74335	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74336	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74337	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74338	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74339	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74340	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74341	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74342	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74343	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74344	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74345	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74346	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74347	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74348	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74349	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74350	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74476	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74477	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74478	205	226	< 10	< 1	0.21	< 10	0.18	200	4	0.06	3	800	< 2	0.60	< 2	< 1	20	0.11	< 10	< 10	173
74479	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74480	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74481	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74482	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74483	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74484	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74485	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74486	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74487	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74488	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74489	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74490	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74491	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74492	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74493	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74494	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74495	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74496	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74497	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74498	205	226	10	< 1	0.16	< 10	0.60	895	3	0.08	3	1280	< 2	0.21	< 2	4	34	0.14	< 10	< 10	142

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION: _____

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 02-APR-2001
Invoice No. : I0113854
P.O. Number : 24385
Account : NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES pH	% * SulfateSulfate	S %Sulf calc.	S% Total	S % Total	CO2 %Max inorgAcid	PotNeutralNet **Poten	Neu **Poten	Ratio NP/MPA	Fizz Test
74334	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74335	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74336	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74337	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74338	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74339	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74340	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74341	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74342	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74343	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74344	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74345	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74346	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74347	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74348	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74349	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74350	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74476	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74477	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74478	205	226	< 10	28	8.5	0.01	< 0.01	0.57	0.57	0.2	18	16	-2	0.89	1
74479	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74480	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74481	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74482	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74483	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74484	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74485	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74486	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74487	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74488	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74489	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74490	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74491	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74492	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74493	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74494	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74495	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74496	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74497	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74498	205	226	< 10	128	8.7	< 0.01	< 0.01	0.18	0.18	1.0	6	36	30	6.00	2

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

CERTIFICATION: _____

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Page Number :7-A
Total Pages :7
Certificate Date: 02-APR-2001
Invoice No. : I0113854
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Cu ppm	FeCu %	nsul %	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
74499	205	226	318	< 5	8	4440	5.75	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74500	205	226	280	< 5	4	3900	5.65	0.03	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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SAMPLE	PREP CODE		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
74499	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74500	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
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CERTIFICATE OF ANALYSIS A0113854

SAMPLE	PREP CODE		W ppm	Zn ppm	PASTES % pH	* Sulfate	S %Sulf Sulfate	S% calc.	S % Total	CO2 % inorg	Max PotAcid **Poten	NeutralNet **Poten	Neu NP/MPA	Ratio	Fizz Test
74499	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
74500	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTE: * HYDROCHLORIC ACID SOLUBLE SULFATE
NOTE: ** UNITS = KILOGRAMS CaCO3 EQUIVALENT PER METRIC TONNE (Kg/MT)

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To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

A0114650

Comments: ATTN: G. GILLSTROM

CERTIFICATE A0114650

(NOU) - MOUNT POLLEY MINING CORPORATION

Project:
P.O. # : 24385

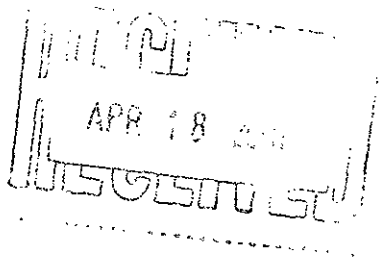
Samples submitted to our lab in Vancouver, BC.
This report was printed on 06-APR-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
212	3	Overlimit pulp, to be found

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Cu-AA46	3	Cu %: Conc. Nitric-HCl dig'n	AAS	0.01	30.0



ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT POLLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Page Number :1
Total Pages :1
Certificate Date: 04-APR-2001
Invoice No. :I0114650
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0114650

SAMPLE	PREP CODE	Cu %
72361	212 --	1.20
72362	212 --	1.28
72391	212 --	0.96

CERTIFICATION:

OVERLIMITS from A0113854

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

T[illegible] OUN[illegible] LEY[illegible] G CO[illegible] IATIC[illegible]

P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: G. GILLSTROM

Certificate Date: 04-APR-200
Invoice No. :I0114650
P.O. Number :24385
Account :NOU

CERTIFICATE OF ANALYSIS A0114650

SAMPLE	PREP CODE	Cu %
72361	212 --	1.20
72362	212 --	1.28
72391	212 --	0.96

CERTIFICATION:

OVERLIMITS from A0113854

ALS Chemex
Aurora Laboratory Services Ltd.
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PHONE: 604-984-0221 FAX: 604-984-0218

To: MOUNT [illegible] CORPORATION
P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: BRIAN ABRAMS

Certificate Date: 26-APR-2001
Invoice No. :I0114872
P.O. Number :24645
Account :NOU

CERTIFICATE OF ANALYSIS A0114872

SAMPLE	PREP CODE	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm
72456	225 229	165	1.0	19	-----	0.6	0.46	2	< 10	160	< 0.5	< 2	1.31	< 0.5	6
72465	225 229	210	1.0	23	-----	0.2	1.51	12	< 10	50	< 0.5	< 2	2.62	< 0.5	12
72480	225 229	58	2.5	4	-----	0.2	2.21	2	< 10	130	< 0.5	< 2	3.30	< 0.5	20
72493	225 229	105	2.5	14	-----	0.6	2.46	8	< 10	180	< 0.5	< 2	2.31	< 0.5	18
72510	225 229	>1000	8.5	23	1160	3.0	0.73	2	< 10	120	< 0.5	< 2	1.66	< 0.5	21
72530	225 229	770	3.5	24	-----	1.8	1.11	6	30	150	< 0.5	< 2	1.45	< 0.5	15
72540	225 229	155	5.0	13	-----	< 0.2	2.41	8	< 10	650	< 0.5	< 2	1.84	< 0.5	19
72718	225 229	71	2.5	3	-----	0.6	2.32	10	< 10	120	< 0.5	< 2	2.43	< 0.5	24
72730	225 229	230	1.0	2	-----	8.0	0.81	6	< 10	160	< 0.5	< 2	1.36	< 0.5	11
72747	225 229	380	2.5	4	-----	1.2	2.15	10	< 10	250	< 0.5	< 2	2.46	< 0.5	21
72793	225 229	50	2.0	5	-----	< 0.2	2.58	10	< 10	170	< 0.5	< 2	2.16	< 0.5	23
72814	225 229	>1000	7.0	56	1790	1.4	0.99	2	< 10	70	0.5	< 2	3.07	< 0.5	23
73400	225 229	460	3.5	12	-----	0.2	1.89	10	< 10	280	0.5	< 2	1.39	< 0.5	13
74529	225 229	210	5.5	8	-----	0.2	2.79	2	< 10	230	< 0.5	< 2	2.15	< 0.5	20
74551	225 229	>1000	2.5	5	not/ss	2.2	1.17	2	< 10	270	< 0.5	< 2	2.00	< 0.5	13
74573	225 229	300	6.5	5	-----	1.0	1.52	6	< 10	210	< 0.5	< 2	2.08	< 0.5	13
74613	225 229	250	9.5	9	-----	0.6	1.62	6	< 10	300	< 0.5	< 2	2.01	< 0.5	15
74636	225 229	180	5.0	8	-----	0.6	1.55	8	< 10	110	< 0.5	< 2	2.54	< 0.5	9
74652	225 229	240	2.0	8	-----	0.4	0.40	4	< 10	150	< 0.5	< 2	1.17	< 0.5	8
74684	225 229	195	1.0	10	-----	< 0.2	0.93	2	< 10	890	0.5	< 2	3.27	< 0.5	8
74766	225 229	>1000	3.5	17	1000	1.0	1.69	< 2	< 10	200	< 0.5	< 2	1.92	< 0.5	11
74805	225 229	200	1.0	3	-----	0.6	2.63	10	< 10	30	< 0.5	< 2	2.10	< 0.5	16
74817	225 229	77	2.5	3	-----	0.2	2.09	16	< 10	120	< 0.5	< 2	1.23	< 0.5	10
74838	225 229	610	3.5	6	-----	0.6	2.04	14	< 10	300	0.5	< 2	2.14	< 0.5	21
74856	225 229	460	2.0	12	-----	0.8	1.91	14	< 10	70	0.5	< 2	1.46	< 0.5	20
74874	225 229	82	3.0	4	-----	0.4	1.54	2	< 10	100	< 0.5	< 2	1.99	< 0.5	14
74898	225 229	36	3.0	4	-----	< 0.2	2.67	4	< 10	390	< 0.5	< 2	2.72	< 0.5	18
74920	225 229	220	3.0	11	-----	0.6	1.96	8	< 10	210	< 0.5	< 2	2.80	< 0.5	16
74963	225 229	98	3.0	5	-----	0.2	1.83	6	< 10	70	< 0.5	< 2	1.79	< 0.5	15
74994	225 229	490	2.5	5	-----	1.4	1.19	2	< 10	80	< 0.5	< 2	1.87	< 0.5	15

CERTIFICATION: [signature]

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ...OUNT...LEY M...G CORP...ATION
P.O. BOX 12
LIKELY, BC
VOL 1N0

Project :
Comments: ATTN: BRIAN ABRAMS

Page Number :1
Total Pages :1
Certificate Date: 26-APR-2001
Invoice No. :I0114872
P.O. Number :24645
Account :NOU

CERTIFICATE OF ANALYSIS A0114872

SAMPLE	PREP CODE	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm
72456	225 229	29	1550	2.04	< 10	< 1	0.25	< 10	0.33	220	2	0.04	3	730	2
72465	225 229	22	1320	4.47	10	< 1	0.20	< 10	1.57	455	2	0.03	4	1550	30
72480	225 229	25	1115	6.36	< 10	< 1	0.30	< 10	1.32	635	1	0.11	5	1300	< 2
72493	225 229	21	2770	5.85	< 10	< 1	0.32	< 10	1.25	490	3	0.16	7	1430	< 2
72510	225 229	53	>10000	4.09	< 10	< 1	0.16	< 10	0.46	370	7	0.06	3	870	12
72530	225 229	35	6510	5.10	< 10	< 1	0.16	< 10	0.50	355	1	0.14	3	1090	2
72540	225 229	71	473	5.43	< 10	< 1	0.29	< 10	1.18	450	< 1	0.17	10	1070	< 2
72718	225 229	21	1185	5.77	< 10	< 1	0.39	< 10	1.76	650	1	0.06	4	1310	< 2
72730	225 229	45	6290	4.63	< 10	< 1	0.15	< 10	0.41	320	4	0.04	3	990	2
72747	225 229	28	4980	6.28	< 10	< 1	0.35	< 10	1.21	610	4	0.18	6	1380	< 2
72793	225 229	25	1235	7.88	< 10	< 1	0.19	< 10	0.87	545	1	0.71	5	1250	< 2
72814	225 229	17	9380	8.59	< 10	< 1	0.15	< 10	1.08	915	3	0.03	5	680	< 2
73400	225 229	30	3140	5.18	< 10	< 1	0.28	< 10	1.07	340	4	0.19	6	1300	< 2
74529	225 229	35	991	5.34	< 10	< 1	0.28	< 10	1.12	370	1	0.26	8	1150	< 2
74551	225 229	42	7520	4.91	< 10	< 1	0.21	< 10	0.44	290	13	0.10	4	1150	2
74573	225 229	27	4800	5.51	< 10	< 1	0.24	< 10	0.73	325	12	0.20	3	1140	< 2
74613	225 229	12	2660	4.77	< 10	< 1	0.20	< 10	1.04	435	1	0.04	3	1320	< 2
74636	225 229	24	2320	2.92	< 10	< 1	0.27	< 10	0.73	290	4	0.10	3	1150	14
74652	225 229	15	2420	3.21	< 10	< 1	0.19	< 10	0.26	190	2	0.06	1	790	2
74684	225 229	16	981	2.08	< 10	< 1	0.18	< 10	0.49	495	1	0.04	1	550	< 2
74766	225 229	22	3380	5.01	< 10	< 1	0.31	< 10	0.63	310	3	0.28	5	1210	4
74805	225 229	16	1200	6.91	< 10	< 1	0.49	< 10	1.27	735	1	0.29	3	1640	6
74817	225 229	42	835	4.03	< 10	< 1	0.30	< 10	0.58	405	5	0.58	1	1220	10
74838	225 229	10	3930	6.13	< 10	< 1	0.29	< 10	1.20	650	1	0.09	2	1670	< 2
74856	225 229	10	4300	7.09	10	< 1	0.21	< 10	1.60	730	< 1	0.03	4	1800	< 2
74874	225 229	15	2930	4.71	< 10	< 1	0.28	< 10	0.93	385	64	0.09	4	1120	< 2
74898	225 229	15	629	5.73	10	< 1	0.43	< 10	1.50	405	2	0.21	6	1390	< 2
74920	225 229	24	3110	5.02	< 10	< 1	0.17	< 10	0.92	670	2	0.06	5	1110	< 2
74963	225 229	32	1685	4.92	< 10	< 1	0.26	< 10	0.91	230	4	0.14	4	1070	< 2
74994	225 229	28	6870	5.11	< 10	< 1	0.24	< 10	0.74	325	3	0.06	4	1030	< 2

CERTIFICATION:

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To: MOUNT VALLEY MINING CORPORATION

P.O. BOX 12
LIKELY, BC
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Project :
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Page Number :1-C
Total Pages :1
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CERTIFICATE OF ANALYSIS A0114872

SAMPLE	PREP CODE		S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Cu nsul %
72456	225	229	0.15	< 2	3	25	0.09	< 10	< 10	157	< 10	42	0.04
72465	225	229	0.18	< 2	8	39	0.21	< 10	< 10	353	< 10	132	< 0.01
72480	225	229	0.07	< 2	7	76	0.21	< 10	< 10	218	< 10	80	0.03
72493	225	229	0.20	< 2	5	108	0.23	< 10	< 10	194	< 10	60	0.03
72510	225	229	0.57	< 2	3	35	0.11	< 10	< 10	106	< 10	30	0.04
72530	225	229	0.30	< 2	2	38	0.13	< 10	< 10	134	< 10	46	0.04
72540	225	229	0.04	< 2	7	96	0.24	< 10	< 10	267	< 10	56	< 0.01
72718	225	229	0.04	< 2	9	40	0.22	< 10	< 10	178	< 10	78	0.06
72730	225	229	0.45	< 2	2	49	0.10	< 10	< 10	118	< 10	20	0.03
72747	225	229	0.45	< 2	5	64	0.20	< 10	< 10	198	< 10	76	0.03
72793	225	229	0.12	< 2	4	131	0.15	< 10	< 10	291	< 10	54	< 0.01
72814	225	229	0.90	< 2	5	37	0.10	< 10	< 10	362	< 10	24	0.02
73400	225	229	0.12	< 2	5	139	0.15	< 10	< 10	199	< 10	42	0.15
74529	225	229	0.05	< 2	4	241	0.20	< 10	< 10	243	< 10	74	0.03
74551	225	229	0.39	< 2	1	85	0.13	< 10	< 10	156	< 10	32	0.03
74573	225	229	0.14	< 2	4	56	0.14	< 10	< 10	191	< 10	86	0.22
74613	225	229	0.01	< 2	5	90	0.12	< 10	< 10	261	< 10	72	0.20
74636	225	229	0.13	< 2	4	48	0.16	< 10	< 10	167	< 10	84	0.02
74652	225	229	0.08	< 2	1	40	0.10	< 10	< 10	143	< 10	20	0.12
74684	225	229	0.05	< 2	5	78	< 0.01	< 10	< 10	121	< 10	36	0.05
74766	225	229	0.20	< 2	2	99	0.15	< 10	< 10	174	< 10	50	0.02
74805	225	229	0.02	< 2	6	443	0.20	< 10	< 10	222	< 10	132	0.08
74817	225	229	0.29	< 2	1	212	0.13	< 10	< 10	115	< 10	70	0.01
74838	225	229	0.16	< 2	3	242	0.13	< 10	< 10	213	< 10	68	0.19
74856	225	229	0.01	< 2	8	48	0.13	< 10	< 10	308	< 10	54	0.35
74874	225	229	0.17	< 2	4	33	0.13	< 10	< 10	157	< 10	26	0.11
74898	225	229	0.06	< 2	7	162	0.23	< 10	< 10	219	< 10	34	< 0.01
74920	225	229	0.21	< 2	5	53	0.13	< 10	< 10	156	< 10	48	0.09
74963	225	229	0.13	< 2	3	84	0.14	< 10	< 10	175	< 10	52	0.01
74994	225	229	0.32	< 2	5	50	0.15	< 10	< 10	166	< 10	58	0.04

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CLIENT: MOUNT POLLEY MINES — PROJECT: SPRINGER

REPORT: V01-00611.0 (COMPLETE) — DATE RECEIVED: 06-APR-01 — DATE PRINTED: 19-APR-01 — PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
D2 75007		0.921	0.34	6.52	0.262	D2 75047		0.150	0.32	8.62	0.047
D2 75008		0.174	0.33	4.85	0.234	D2 75048		0.178	0.36	6.64	0.123
D2 75009		0.239	0.34	5.84	0.231	D2 75049		0.115	0.27	5.66	0.017
D2 75010		<0.005	0.03	5.56	0.012	D2 75050		0.284	0.44	6.07	0.015
D2 75011		0.216	0.26	7.11	0.128	D2 75051		0.113	0.28	5.68	0.012
D2 75012		0.006	0.06	6.24	0.015	D2 75052		0.129	0.33	7.05	0.010
D2 75013		0.396	0.41	7.81	0.324	D2 75053		0.094	0.21	6.91	0.019
D2 75014		0.335	0.59	7.11	0.510	D2 75054		0.163	0.35	3.97	0.037
D2 75015		0.589	0.43	8.14	0.342	D2 75055		0.085	0.17	4.86	0.031
D2 75016		0.057	0.08	5.42	0.036	D2 75056		0.214	0.24	3.88	0.096
D2 75017		0.036	0.03	6.01	0.021	D2 75057		0.042	0.33	4.08	0.057
D2 75018		0.071	0.06	5.92	0.034	D2 75058		0.140	0.10	5.08	0.041
D2 75019		0.058	0.11	5.65	0.042	D2 75059		0.069	0.15	5.27	0.064
D2 75020		0.167	0.23	7.27	0.185	D2 75060		0.160	0.56	5.62	0.459
D2 75021		0.194	0.22	7.62	0.170	D2 75061		0.170	0.60	5.78	0.489
D2 75022		0.279	0.38	8.11	0.307	D2 75062		0.149	0.39	4.97	0.301
D2 75023		0.386	0.34	9.22	0.287	D2 75063		0.132	0.33	4.87	0.250
D2 75024		0.296	0.36	6.47	0.314	D2 75064		0.118	0.33	4.47	0.206
D2 75025		0.588	0.48	7.22	0.429	D2 75065		0.060	0.10	3.73	0.073
D2 75026		0.555	0.48	6.30	0.407	D2 75066		0.070	0.12	4.17	0.060
D2 75027		0.393	0.37	6.72	0.324	D2 75067		0.092	0.11	5.99	0.039
D2 75028		0.460	0.42	7.76	0.362	D2 75068		0.055	0.13	5.83	0.080
D2 75029		0.375	0.36	5.74	0.281	D2 75069		0.070	0.14	4.56	0.058
D2 75030		0.627	0.60	6.63	0.545	D2 75070		0.090	0.15	5.11	0.018
D2 75031		0.285	0.40	4.80	0.365	D2 75071		0.043	0.10	3.13	0.060
D2 75032		0.016	0.02	8.56	0.011	D2 75072		0.072	0.08	2.52	0.045
D2 75033		0.301	0.35	7.48	0.284	D2 75073		0.082	0.09	4.54	0.026
D2 75034		0.219	0.35	6.94	0.287	D2 75074		0.041	0.07	6.50	0.003
D2 75035		0.143	0.19	4.87	0.094	D2 75075		0.070	0.12	6.17	0.019
D2 75036		0.288	0.32	7.35	0.185	D2 75076		0.086	0.09	4.49	0.027
D2 75037		0.257	0.34	6.68	0.238	D2 75077		0.046	0.10	8.63	0.024
D2 75038		0.621	0.42	7.01	0.314	D2 75078		0.012	0.01	8.55	<0.001
D2 75039		0.402	0.38	6.02	0.318	D2 75079		0.047	0.13	10.89	0.080
D2 75040		0.276	0.49	6.94	0.425	D2 75080		0.064	0.14	8.48	0.036
D2 75041		0.393	0.57	7.06	0.516	D2 75081		0.055	0.14	7.46	0.035
D2 75042		0.028	0.06	8.11	0.033	D2 75082		0.106	0.10	4.69	0.042
D2 75043		0.227	0.35	6.80	0.102	D2 75083		0.361	0.26	4.02	0.163
D2 75044		0.199	0.40	7.18	0.034	D2 75084		0.093	0.15	5.16	0.100
D2 75045		0.032	0.09	8.45	0.033	D2 75085		0.140	0.13	4.33	0.100
D2 75046		0.269	0.45	5.50	0.140	D2 75086		0.090	0.14	3.78	0.082

Bondar Clegg Canada Limited
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CLIENT: MOUNT POLLEY MINES PROJECT: SPRINGER

REPORT: V01-00611.0 (COMPLETE) DATE RECEIVED: 06-APR-01 DATE PRINTED: 19-APR-01 PAGE 2 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
D2 75087		0.102	0.17	4.00	0.091	D2 75127		0.090	0.35	6.01	0.295
D2 75088		0.159	0.37	5.01	0.294	D2 75128		0.081	0.25	6.37	0.214
2 75089		0.178	0.40	5.15	0.162	D2 75129		0.146	0.27	5.97	0.177
2 75090		0.057	0.14	5.86	0.099	D2 75130		0.061	0.18	5.06	0.149
D2 75091		0.191	0.40	6.69	0.088	D2 75131		0.015	0.07	4.38	0.046
2 75092		0.080	0.15	6.45	0.003	D2 75132		0.033	0.07	3.90	0.048
D2 75093		0.036	0.09	7.14	0.023	D2 75133		0.045	0.11	5.52	0.085
D2 75094		0.094	0.14	5.80	0.103	D2 75134		0.081	0.18	5.82	0.137
2 75095		0.383	0.48	4.47	0.151	D2 75135		0.037	0.10	7.18	0.064
2 75096		0.269	0.37	4.78	0.125	D2 75136		0.034	0.09	6.13	0.048
2 75097		0.144	0.14	4.09	0.104	D2 75137		0.007	0.01	5.80	0.011
2 75098		0.303	0.44	4.52	0.065	D2 75138		0.011	0.04	5.78	0.023
D2 75099		0.297	0.20	5.16	0.169						
2 75100		0.021	0.02	6.49	0.008						
2 75101		0.013	0.02	6.49	0.005						
D2 75102		0.344	0.27	5.36	0.129						
2 75103		0.086	0.12	4.93	0.030						
2 75104		0.074	0.13	5.32	0.006						
D2 75105		0.105	0.19	3.69	0.005						
2 75106		0.218	0.32	5.38	0.011						
D2 75107		0.088	0.12	4.30	0.006						
2 75108		0.102	0.15	4.86	0.007						
2 75109		0.056	0.11	2.77	0.003						
D2 75110		0.075	0.12	3.39	0.021						
D2 75111		0.260	0.33	4.06	0.048						
2 75112		0.452	0.62	5.59	0.018						
D2 75113		0.196	0.27	3.71	0.010						
2 75114		0.114	0.15	3.75	0.067						
2 75115		0.185	0.23	3.20	0.007						
D2 75116		0.307	0.36	6.00	0.010						
2 75117		0.434	0.42	6.78	0.013						
D2 75118		0.282	0.45	7.82	0.364						
D2 75119		0.185	0.42	7.27	0.344						
2 75120		0.128	0.37	7.99	0.300						
2 75121		0.128	0.37	8.05	0.298						
2 75122		0.053	0.17	7.13	0.132						
2 75123		0.012	0.06	7.71	0.022						
D2 75124		0.062	0.25	6.21	0.221						
D2 75125		0.104	0.43	6.81	0.380						
2 75126		0.068	0.30	6.38	0.244						

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REPORT: V01-00611.0 (COMPLETE) DATE RECEIVED: 06-APR-01 DATE PRINTED: 19-APR-01

STANDARD NAME	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	STANDARD NAME	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
ANALYTICAL BLANK		<0.005	-	-	-	MISC STD		-	-	-	0.120
ANALYTICAL BLANK		<0.005	-	-	-	MISC STD		-	-	-	0.132
ANALYTICAL BLANK		<0.005	-	-	-	MISC STD		-	-	-	0.133
ANALYTICAL BLANK		<0.005	-	-	-	MISC STD		-	-	-	0.132
ANALYTICAL BLANK		<0.005	-	-	-	Number of Analyses		-	-	-	4
ANALYTICAL BLANK		<0.005	-	-	-	Mean Value		-	-	-	0.1292
Number of Analyses		6	-	-	-	Standard Deviation		-	-	-	0.00641
Mean Value		0.0025	-	-	-	Accepted Value		-	-	-	-
Standard Deviation		0.00000	-	-	-						
Accepted Value		0.005	<0.01	<0.01	<0.001						
OX5 Oxide		0.966	-	-	-	OX11 Oxide		2.825	-	-	-
OX5 Oxide		0.948	-	-	-	Number of Analyses		1	-	-	-
Number of Analyses		2	-	-	-	Mean Value		2.8253	-	-	-
Mean Value		0.9572	-	-	-	Standard Deviation		-	-	-	-
Standard Deviation		0.01259	-	-	-	Accepted Value		2.940	-	-	-
Accepted Value		0.968	-	-	-	CANMET STD KC-1A		-	0.65	-	-
						CANMET STD KC-1A		-	0.66	-	-
						Number of Analyses		-	2	-	-
						Mean Value		-	0.653	-	-
						Standard Deviation		-	0.0089	-	-
OX9 Oxide		0.463	-	-	-	Accepted Value		-	-	-	-
OX9 Oxide		0.466	-	-	-						
Number of Analyses		2	-	-	-						
Mean Value		0.4645	-	-	-						
Standard Deviation		0.00177	-	-	-						
Accepted Value		0.465	-	-	-	HX12 Oxide		6.388	-	-	-
						Number of Analyses		1	-	-	-
						Mean Value		6.3879	-	-	-
						Standard Deviation		-	-	-	-
						Accepted Value		6.600	-	-	-
MP-1A		-	1.49	6.30	-						
MP-1A		-	1.49	6.22	-						
Number of Analyses		-	2	2	-						
Mean Value		-	1.489	6.261	-						
Standard Deviation		-	0.0010	0.0605	-						
Accepted Value		-	1.44	6.20	-						

CLIENT: MOUNT POLLEY MINES PROJECT: SPRINGER

REPORT: V01-00611.0 (COMPLETE) DATE RECEIVED: 06-APR-01 DATE PRINTED: 19-APR-01 PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
75007		0.921	0.34	6.52	0.262	75087		0.102	0.17	4.00	0.091
Duplicate			0.33	6.38	0.266	Duplicate			0.17	3.99	0.088
75008		0.174	0.33	4.85	0.234	75092		0.080	0.15	6.45	0.003
Duplicate		0.193				Duplicate			0.15	6.05	0.005
75016		0.057	0.08	5.42	0.036	75097		0.144	0.14	4.09	0.104
Duplicate			0.07	5.53	0.033	Duplicate			0.15	4.04	0.100
75021		0.194	0.22	7.62	0.170	75100		0.021	0.02	6.49	0.008
Duplicate			0.22	7.40	0.169	Duplicate		0.012			
75026		0.555	0.48	6.30	0.407	75102		0.344	0.27	5.36	0.129
Duplicate			0.47	6.40	0.408	Duplicate			0.27	5.27	0.126
75031		0.285	0.40	4.80	0.365	75106		0.218	0.32	5.38	0.011
Duplicate		0.299	0.41	4.83	0.362	Duplicate			0.31	5.34	0.011
75036		0.288	0.32	7.35	0.185	75115		0.185	0.23	3.20	0.007
Duplicate			0.32	7.23	0.183	Duplicate			0.23	3.04	0.007
75040		0.276	0.49	6.94	0.425	75120		0.128	0.37	7.99	0.300
Duplicate			0.48	7.10	0.420	Duplicate			0.38	8.03	0.309
75049		0.115	0.27	5.66	0.017	75123		0.012	0.06	7.71	0.022
Duplicate			0.26	5.71	0.017	Duplicate		0.013			
75054		0.163	0.35	3.97	0.037	75125		0.104	0.43	6.81	0.380
Duplicate		0.152	0.34	4.08	0.037	Duplicate			0.43	6.98	0.381
75059		0.069	0.15	5.27	0.064	75130		0.061	0.18	5.06	0.149
Duplicate			0.15	5.53	0.063	Duplicate			0.18	5.02	0.154
75064		0.118	0.33	4.47	0.206	75135		0.037	0.10	7.18	0.064
Duplicate			0.33	4.70	0.207	Duplicate			0.10	7.23	0.062
75069		0.070	0.14	4.56	0.058						
Duplicate			0.13	4.96	0.059						
75073		0.082	0.09	4.54	0.026						
Duplicate			0.09	4.42	0.027						
75077		0.046	0.10	8.63	0.024						
Duplicate		0.056									
75082		0.106	0.10	4.69	0.042						
Duplicate			0.10	4.48	0.040						

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Geochemical Lab Report

CLIENT: MOUNT POLLEY MINES — PROJECT: SPRINGER

REPORT: V01-00618.0 (COMPLETE) — DATE RECEIVED: 06-APR-01 — DATE PRINTED: 18-APR-01 — PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
D2 75139		0.048	0.12	6.03	0.075	D2 75179		0.106	0.22	5.81	0.117
D2 75140		0.070	0.21	7.11	0.177	D2 75180		0.007	0.04	4.16	0.021
2 75141		0.090	0.23	6.98	0.186	D2 75181		0.008	0.03	3.95	0.020
2 75142		0.082	0.18	6.20	0.106	D2 75182		0.016	0.02	4.01	0.012
D2 75143		0.082	0.13	5.92	0.094	D2 75183		0.422	0.79	6.78	0.479
2 75144		0.099	0.30	5.75	0.203	D2 75184		0.183	0.27	5.09	0.060
D2 75145		0.108	0.17	6.61	0.139	D2 75185		1.998	3.15	8.71	0.136
D2 75146		<0.005	<0.01	6.00	0.004	D2 75186		0.413	0.47	6.69	0.085
2 75147		0.152	0.17	6.10	0.143	D2 75187		0.207	0.32	4.50	0.008
2 75148		0.109	0.21	6.42	0.150	D2 75188		0.307	0.47	6.61	0.009
2 75149		0.075	0.22	8.69	0.187	D2 75189		0.248	0.58	6.79	0.028
2 75150		0.074	0.10	4.82	0.067	D2 75190		0.091	0.23	5.16	0.014
D2 75151		0.135	0.16	2.78	0.138	D2 75191		0.275	0.39	6.75	0.201
2 75152		0.086	0.08	4.34	0.060	D2 75192		0.218	0.37	5.21	0.238
2 75153		0.091	0.07	3.91	0.048	D2 75193		0.337	0.49	4.26	0.055
D2 75154		0.010	0.02	8.91	0.008	D2 75194		0.202	0.42	3.12	0.009
2 75155		0.065	0.13	5.54	0.089	D2 75195		<0.005	0.02	6.36	0.002
2 75156		0.083	0.11	4.77	0.068	D2 75196		0.455	0.62	3.95	0.011
D2 75157		0.183	0.17	5.06	0.129	D2 75197		0.157	0.30	4.56	0.011
2 75158		0.131	0.08	6.18	0.033	D2 75198		0.106	0.21	4.12	0.011
D2 75159		0.064	0.10	5.06	0.031	D2 75199		0.119	0.23	3.46	0.028
2 75160		0.078	0.09	5.80	0.021	D2 75200		0.197	0.34	5.26	0.193
2 75161		0.048	0.09	5.52	0.016	D2 75201		0.233	0.36	5.44	0.203
D2 75162		0.056	0.08	4.29	0.027	D2 75202		0.209	0.25	4.36	0.209
D2 75163		0.017	0.07	5.07	0.025	D2 75203		0.143	0.24	5.51	0.196
2 75164		0.190	0.18	5.89	0.133	D2 75204		0.102	0.20	4.97	0.168
D2 75165		0.156	0.13	5.30	0.056	D2 75205		0.080	0.21	3.97	0.136
2 75166		0.051	0.09	4.77	0.040	D2 75206		0.116	0.22	3.73	0.121
2 75167		0.077	0.12	4.81	0.045	D2 75207		0.107	0.22	5.05	0.128
D2 75168		0.158	0.31	4.83	0.134	D2 75208		0.063	0.13	5.18	0.072
2 75169		0.108	0.29	6.49	0.011	D2 75209		0.060	0.13	5.53	0.015
D2 75170		0.042	0.11	5.25	0.028	D2 75210		0.142	0.16	6.17	0.064
D2 75171		0.067	0.18	5.83	0.008	D2 75211		0.099	0.11	6.64	0.058
2 75172		0.039	0.20	4.93	0.026	D2 75212		0.025	0.05	5.20	0.009
2 75173		0.018	0.10	5.86	0.012	D2 75213		0.047	0.10	4.13	0.082
2 75174		0.069	0.47	5.68	0.023	D2 75214		0.052	0.11	5.61	0.007
2 75175		0.075	0.17	4.95	0.004	D2 75215		0.062	0.13	7.73	0.003
D2 75176		0.016	0.08	4.45	0.002	D2 75216		0.103	0.15	6.61	0.004
D2 75177		0.015	0.03	4.46	0.003	D2 75217		<0.005	0.01	4.89	0.003
2 75178		0.012	0.05	5.07	0.017	D2 75218		0.026	0.11	6.61	0.036

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CLIENT: MOUNT POLLEY MINES PROJECT: SPRINGER

REPORT: V01-00618.0 (COMPLETE) DATE RECEIVED: 06-APR-01 DATE PRINTED: 18-APR-01 PAGE 2 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
D2 75219		0.074	0.12	5.32	0.065						
D2 75220		0.043	0.08	5.50	0.029						
2 75221		0.052	0.09	5.45	0.034						
2 75222		0.135	0.18	5.29	0.026						
D2 75223		0.047	0.10	4.54	0.002						
2 75224		0.040	0.08	5.27	0.004						
D2 75225		0.059	0.12	7.09	0.003						
D2 75226		0.127	0.13	7.93	0.002						
2 75227		0.121	0.16	7.44	0.003						
D2 75228		0.158	0.19	6.48	0.004						
2 75229		0.092	0.15	5.18	0.003						

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REPORT: V01-00618.0 (COMPLETE) DATE RECEIVED: 06-APR-01 DATE PRINTED: 18-APR-01 PAGE 3 OF 4

STANDARD NAME	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	STANDARD NAME	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
ANALYTICAL BLANK		<0.005	-	-	-	OX5 Oxide		0.964	-	-	-
ANALYTICAL BLANK		<0.005	-	-	-	Number of Analyses		1	-	-	-
ANALYTICAL BLANK		<0.005	-	-	-	Mean Value		0.9638	-	-	-
ANALYTICAL BLANK		<0.005	-	-	-	Standard Deviation		-	-	-	-
ANALYTICAL BLANK		<0.005	-	-	-	Accepted Value		0.968	-	-	-
Number of Analyses		5	-	-	-	OX8 Oxide		0.199	-	-	-
Mean Value		0.0025	-	-	-	Number of Analyses		1	-	-	-
Standard Deviation		0.00000	-	-	-	Mean Value		0.1991	-	-	-
Accepted Value		0.005	<0.01	<0.01	<0.001	Standard Deviation		-	-	-	-
						Accepted Value		0.186	-	-	-
OX11 Oxide		2.853	-	-	-	OX9 Oxide		0.442	-	-	-
Number of Analyses		1	-	-	-	Number of Analyses		1	-	-	-
Mean Value		2.8530	-	-	-	Mean Value		0.4423	-	-	-
Standard Deviation		-	-	-	-	Standard Deviation		-	-	-	-
Accepted Value		2.940	-	-	-	Accepted Value		0.465	-	-	-
HX12 Oxide		6.503	-	-	-						
Number of Analyses		1	-	-	-						
Mean Value		6.5027	-	-	-						
Standard Deviation		-	-	-	-						
Accepted Value		6.600	-	-	-						
MP-1A		-	1.44	6.20	-						
MP-1A		-	1.43	6.08	-						
MP-1A		-	1.44	6.11	-						
Number of Analyses		-	3	3	-						
Mean Value		-	1.436	6.128	-						
Standard Deviation		-	0.0066	0.0624	-						
Accepted Value		-	1.44	6.20	-						
MISC STD		-	-	-	0.133						
MISC STD		-	-	-	0.134						
Number of Analyses		-	-	-	2						
Mean Value		-	-	-	0.1338						
Standard Deviation		-	-	-	0.00097						
Accepted Value		-	-	-	-						

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EPORT: V01-00618.0 (COMPLETE) DATE RECEIVED: 06-APR-01 DATE PRINTED: 18-APR-01 PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
5139		0.048	0.12	6.03	0.075	75214		0.052	0.11	5.61	0.007
Duplicate			0.13	6.00	0.078	Duplicate			0.10	5.73	0.007
5147		0.152	0.17	6.10	0.143	75216		0.103	0.15	6.61	0.004
Duplicate		0.143				Duplicate		0.103			
5148		0.109	0.21	6.42	0.150	75219		0.074	0.12	5.32	0.065
Duplicate			0.21	6.48	0.161	Duplicate			0.12	5.25	0.064
5153		0.091	0.07	3.91	0.048	75224		0.040	0.08	5.27	0.004
uplicate			0.08	3.93	0.049	Duplicate			0.08	5.23	0.004
5158		0.131	0.08	6.18	0.033	75229		0.092	0.15	5.18	0.003
uplicate			0.07	6.07	0.034	Duplicate			0.15	5.09	0.002
75163		0.017	0.07	5.07	0.025						
uplicate			0.08	5.20	0.025						
75168		0.158	0.31	4.83	0.134						
uplicate			0.31	4.90	0.134						
75170		0.042	0.11	5.25	0.028						
uplicate		0.050									
75172		0.039	0.20	4.93	0.026						
uplicate			0.19	4.97	0.026						
75181		0.008	0.03	3.95	0.020						
Duplicate			0.05	3.92	0.021						
5186		0.413	0.47	6.69	0.085						
Duplicate			0.48	6.44	0.084						
5191		0.275	0.39	6.75	0.201						
Duplicate			0.39	6.42	0.206						
5193		0.337	0.49	4.26	0.055						
Duplicate		0.352									
5196		0.455	0.62	3.95	0.011						
uplicate			0.63	3.76	0.011						
5201		0.233	0.36	5.44	0.203						
uplicate			0.36	5.17	0.198						
75205		0.080	0.21	3.97	0.136						
uplicate			0.20	4.09	0.134						

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Geochemical Lab Report

CLIENT: MOUNT POLLEY MINES PROJECT: NONE GIVEN

REPORT: V01-00620.0 (COMPLETE) DATE RECEIVED: 12-APR-01 DATE PRINTED: 19-APR-01 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Cu PCT	Fe PCT	CuHSL PCT
P4 72601		0.19	6.49	0.016
P4 72609		0.34	6.31	0.028
P4 73142		0.28	9.08	0.014
P4 73569		0.41	3.48	0.328
P4 73877		0.11	6.80	0.005
P4 73860		0.79	4.61	0.036
P4 73669		0.70	5.01	0.071
P4 73839		0.67	6.39	0.026
P4 73517		0.07	10.40	0.017
P4 73603		0.75	4.23	0.048
P4 73573		0.47	5.66	0.424
P4 73539		0.23	5.12	0.028
P4 73970		0.81	6.21	0.440
P4 73932		0.05	4.17	0.017
P4 73849		0.75	6.23	0.029
P4 73824		0.30	6.34	0.024
P4 73724		0.17	7.02	0.021
P4 73909		0.19	7.25	0.113
P4 73815		0.25	6.63	0.009
P4 73872		0.23	6.60	0.023
P4 73040		0.34	6.18	0.176
P4 73594		1.44	5.75	0.070
P4 73888		0.21	7.57	0.114
P4 73760		0.41	9.75	0.275
P4 73981		0.44	7.31	0.365
P4 73590		1.03	6.06	0.217
P4 73805		0.07	5.96	0.005
P4 73632		0.50	6.06	0.051
P4 73132		0.63	8.68	0.225
P4 73557		0.07	4.94	0.014
P4 73957		0.23	5.77	0.129
P4 73607		0.64	4.86	0.057
P4 73781		0.18	8.59	0.011
P4 73795		0.04	5.31	0.005

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REPORT: V01-00620.0 (COMPLETE) DATE RECEIVED: 12-APR-01 DATE PRINTED: 19-APR-01 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Cu PCT	Fe PCT	CuHSL PCT
MP-1A		1.49	6.15	-
Number of Analyses		1	1	-
Mean Value		1.487	6.147	-
Standard Deviation		-	-	-
Accepted Value		1.44	6.20	-
MISC STD		-	-	0.129
Number of Analyses		-	-	1
Mean Value		-	-	0.1290
Standard Deviation		-	-	-
Accepted Value		-	-	-

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SAMPLE NUMBER	ELEMENT UNITS	Cu PCT	Fe PCT	CuHSL PCT
72601		0.19	6.49	0.016
Duplicate		0.19	6.41	0.013
73603		0.75	4.23	0.048
Duplicate		0.74	4.22	0.046
73849		0.75	6.23	0.029
Duplicate		0.76	6.29	0.029
73872		0.23	6.60	0.023
Duplicate		0.24	6.50	0.025
73981		0.44	7.31	0.365
Duplicate		0.45	7.40	0.354
73557		0.07	4.94	0.014
Duplicate		0.07	4.96	0.011
73795		0.04	5.31	0.005
Duplicate		0.04	5.34	0.004

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Geochemical Lab Report

CLIENT: MOUNT POLLEY MINES — PROJECT: SPRINGER

REPORT: V01-00677.0 (COMPLETE) — DATE RECEIVED: 23-APR-01 — DATE PRINTED: 27-APR-01 —

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
D2 75448		0.022	0.04	5.42	0.020	D2 75488		0.027	0.11	7.18	0.073
D2 75449		<0.005	0.02	6.15	0.003	D2 75489		0.030	0.08	7.61	0.054
D2 75450		0.023	0.03	5.68	0.008	D2 75490		0.056	0.35	6.58	0.320
D2 75451		0.023	0.04	5.74	0.009	D2 75491		0.028	0.12	7.32	0.116
D2 75452		0.072	0.04	6.05	0.014	D2 75492		0.028	0.09	6.35	0.068
D2 75453		0.109	0.07	5.74	0.028	D2 75493		0.114	0.23	7.93	0.075
D2 75454		0.145	0.08	5.96	0.027	D2 75494		0.017	0.06	8.32	0.002
D2 75455		0.049	0.05	5.77	0.013	D2 75495		0.028	0.08	7.95	0.046
D2 75456		0.061	0.05	5.71	0.012	D2 75496		0.166	0.10	5.79	0.084
D2 75457		0.026	0.03	5.33	0.010	D2 75497		0.437	0.20	5.47	0.192
D2 75458		0.017	0.03	5.48	0.009	D2 75498		0.074	0.09	4.02	0.079
D2 75459		0.079	0.07	5.68	0.021	D2 75499		0.026	0.06	3.87	0.034
D2 75460		0.028	0.06	5.37	0.018	D2 75500		0.053	0.10	4.80	0.005
D2 75461		0.136	0.13	6.01	0.097	D2 75501		0.041	0.07	5.10	0.050
D2 75462		0.418	0.28	5.71	0.215	D2 75502		0.070	0.20	5.60	0.174
D2 75463		0.089	0.22	6.36	0.154	D2 75503		0.053	0.38	6.37	0.281
D2 75464		0.076	0.17	6.34	0.111	D2 75504		0.075	0.19	6.45	0.124
D2 75465		0.195	0.27	5.52	0.195	D2 75505		0.077	0.18	5.42	0.007
D2 75466		0.369	0.36	6.51	0.278	D2 75506		0.088	0.19	5.37	0.014
D2 75467		0.127	0.18	6.29	0.108	D2 75507		0.129	0.05	3.49	0.024
D2 75468		0.217	0.16	6.12	0.103	D2 75508		0.213	0.16	4.09	0.068
D2 75469		0.076	0.10	6.00	0.037	D2 75509		0.179	0.21	7.18	0.019
D2 75470		0.011	0.05	6.59	0.011	D2 75510		0.087	0.16	6.85	0.031
D2 75471		0.037	0.08	6.47	0.029	D2 75511		0.131	0.17	6.51	0.021
D2 75472		0.107	0.17	3.93	0.098	D2 75512		0.093	0.15	6.12	0.063
D2 75473		0.226	0.22	7.99	0.186	D2 75513		0.080	0.14	6.78	0.015
D2 75474		0.030	0.10	6.24	0.064	D2 75514		0.167	0.17	6.59	0.151
D2 75475		0.093	0.13	8.87	0.048	D2 75515		0.101	0.16	8.44	0.128
D2 75476		0.077	0.09	7.69	0.014	D2 75516		0.081	0.16	6.66	0.122
D2 75477		0.077	0.14	5.54	0.113	D2 75517		0.078	0.16	4.88	0.133
D2 75478		0.038	0.09	4.22	0.073	D2 75518		0.170	0.14	6.50	0.102
D2 75479		0.136	0.23	5.81	0.203	D2 75519		0.144	0.18	8.06	0.151
D2 75480		0.069	0.12	5.32	0.099	D2 75520		0.417	0.52	7.30	0.485
D2 75481		0.074	0.15	2.86	0.130	D2 75521		0.117	0.19	4.94	0.157
D2 75482		0.081	0.14	3.18	0.130	D2 75522		0.112	0.26	6.75	0.170
D2 75483		0.185	0.18	6.96	0.132	D2 75523		0.040	0.08	5.23	0.044
D2 75484		0.347	0.63	7.56	0.626	D2 75524		0.038	0.05	5.77	0.018
D2 75485		0.037	0.21	7.35	0.173	D2 75525		0.065	0.11	6.18	0.033
D2 75486		0.032	0.16	7.52	0.129	D2 75526		0.174	0.36	5.60	0.015
D2 75487		0.016	0.09	7.53	0.057	D2 75527		0.134	0.34	5.85	0.058

Bondar Clegg Canada Limited
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CLIENT: MOUNT POLLEY MINES — PROJECT: SPRINGER

REPORT: V01-00677.0 (COMPLETE) — DATE RECEIVED: 23-APR-01 — DATE PRINTED: 27-APR-01 —

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
D2 75528		0.111	0.35	5.47	0.033	D2 75568		0.124	0.17	3.88	0.009
D2 75529		0.191	0.25	6.63	0.139	D2 75569		0.085	0.15	4.50	0.006
D2 75530		0.065	0.11	6.41	0.048	D2 75570		0.102	0.20	4.43	0.005
D2 75531		0.075	0.13	6.96	0.076	D2 75571		0.114	0.20	4.64	0.006
D2 75532		0.079	0.11	6.51	0.042	D2 75572		0.077	0.15	4.79	0.005
D2 75533		0.071	0.14	7.07	0.006	D2 75573		0.085	0.15	3.76	0.004
D2 75534		0.116	0.23	5.75	0.034	D2 75574		0.076	0.14	5.65	0.003
D2 75535		0.097	0.16	6.03	0.013	D2 75575		0.114	0.17	3.68	0.004
D2 75536		0.144	0.21	5.86	0.008	D2 75576		0.048	0.15	5.75	0.003
D2 75537		0.075	0.12	5.79	0.006	D2 75577		0.044	0.12	3.76	0.004
D2 75538		0.083	0.08	5.84	0.006	D2 75578		0.089	0.14	3.29	0.004
D2 75539		0.089	0.14	6.78	0.010	D2 75579		0.057	0.14	3.90	0.004
D2 75540		0.255	0.23	6.69	0.050	D2 75580		0.067	0.11	2.76	0.004
D2 75541		0.221	0.24	7.43	0.039	D2 75581		0.062	0.15	5.34	0.003
D2 75542		1.022	0.71	5.23	0.029						
D2 75543		1.583	0.71	4.97	0.037						
D2 75544		0.258	0.12	2.67	0.022						
D2 75545		0.207	0.14	2.37	0.020						
D2 75546		0.175	0.14	4.34	0.011						
D2 75547		0.039	0.07	5.80	0.002						
D2 75548		0.011	0.04	5.76	<0.001						
D2 75549		0.025	0.06	5.66	0.003						
D2 75550		0.223	0.35	5.18	0.026						
D2 75551		0.136	0.20	4.31	0.050						
D2 75552		0.167	0.20	5.06	0.047						
D2 75553		0.171	0.22	4.94	0.047						
D2 75554		0.224	0.28	5.53	0.013						
D2 75555		0.363	0.45	6.24	0.021						
D2 75556		0.176	0.33	6.53	0.011						
D2 75557		0.123	0.22	6.52	0.011						
D2 75558		0.176	0.31	6.35	0.012						
D2 75559		0.197	0.25	9.06	0.011						
D2 75560		0.255	0.36	7.15	0.013						
D2 75561		0.055	0.15	6.45	0.007						
D2 75562		0.016	0.09	5.43	0.004						
D2 75563		0.022	0.14	6.74	0.006						
D2 75564		0.158	0.39	7.73	0.018						
D2 75565		0.076	0.22	5.52	0.008						
D2 75566		0.126	0.25	5.74	0.020						
D2 75567		0.086	0.19	5.50	0.013						

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CLIENT: MOUNT POLLEY MINES — PROJECT: SPRINGER

REPORT: V01-00677.0 (COMPLETE) — DATE RECEIVED: 23-APR-01 — DATE PRINTED: 27-APR-01 — PAGE 3 OF 4

STANDARD NAME	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	STANDARD NAME	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
ANALYTICAL BLANK		<0.005	-	-	-	Mean Value		-	1.411	6.192	-
ANALYTICAL BLANK		<0.005	-	-	-	Standard Deviation		-	0.0047	0.0958	-
ANALYTICAL BLANK		<0.005	-	-	-	Accepted Value		-	1.44	6.20	-
ANALYTICAL BLANK		<0.005	-	-	-						
ANALYTICAL BLANK		<0.005	-	-	-						
ANALYTICAL BLANK		<0.005	-	-	-	MISC STD		-	-	-	0.130
ANALYTICAL BLANK		<0.005	-	-	-	MISC STD		-	-	-	0.132
Number of Analyses		7	-	-	-	MISC STD		-	-	-	0.133
Mean Value		0.0025	-	-	-	MISC STD		-	-	-	0.131
Standard Deviation		0.00000	-	-	-	Number of Analyses		-	-	-	4
Accepted Value		0.005	<0.01	<0.01	<0.001	Mean Value		-	-	-	0.1317
						Standard Deviation		-	-	-	0.00140
						Accepted Value		-	-	-	-
OX9 Oxide		0.495	-	-	-	HX12 Oxide		6.916	-	-	-
OX9 Oxide		0.497	-	-	-	Number of Analyses		1	-	-	-
Number of Analyses		2	-	-	-	Mean Value		6.9160	-	-	-
Mean Value		0.4958	-	-	-	Standard Deviation		-	-	-	-
Standard Deviation		0.00145	-	-	-	Accepted Value		6.600	-	-	-
Accepted Value		0.465	-	-	-	OX5 Oxide		0.990	-	-	-
						Number of Analyses		1	-	-	-
						Mean Value		0.9899	-	-	-
						Standard Deviation		-	-	-	-
						Accepted Value		0.968	-	-	-
OX11 Oxide		3.010	-	-	-	OX8 Oxide		0.201	-	-	-
OX11 Oxide		3.054	-	-	-	Number of Analyses		1	-	-	-
Number of Analyses		2	-	-	-	Mean Value		0.2013	-	-	-
Mean Value		3.0323	-	-	-	Standard Deviation		-	-	-	-
Standard Deviation		0.03122	-	-	-	Accepted Value		0.186	-	-	-
Accepted Value		2.940	-	-	-						
MP-1A		-	1.42	6.33	-						
MP-1A		-	1.41	6.12	-						
MP-1A		-	1.41	6.17	-						
MP-1A		-	1.41	6.15	-						
Number of Analyses		-	4	4	-						

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REPORT: V01-00677.0 (COMPLETE) DATE RECEIVED: 23-APR-01 DATE PRINTED: 27-APR-01 PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT	SAMPLE NUMBER	ELEMENT UNITS	Au30 GMT	Cu PCT	Fe PCT	CuHSL PCT
75448		0.022	0.04	5.42	0.020	75523		0.040	0.08	5.23	0.044
Duplicate			0.04	5.50	0.020	Duplicate			0.08	5.29	0.045
75455		0.049	0.05	5.77	0.013	75524		0.038	0.05	5.77	0.018
Duplicate		0.044				Duplicate		0.038			
75457		0.026	0.03	5.33	0.010	75528		0.111	0.35	5.47	0.033
Duplicate			0.03	5.46	0.010	Duplicate			0.35	5.54	0.032
75462		0.418	0.28	5.71	0.215	75533		0.071	0.14	7.07	0.006
Duplicate			0.28	5.71	0.211	Duplicate			0.14	7.27	0.006
75467		0.127	0.18	6.29	0.108	75538		0.083	0.08	5.84	0.006
Duplicate			0.17	6.31	0.105	Duplicate			0.09	5.71	0.005
75472		0.107	0.17	3.93	0.098	75543		1.583	0.71	4.97	0.037
Duplicate			0.16	3.99	0.099	Duplicate			0.71	4.76	0.038
75477		0.077	0.14	5.54	0.113	75547		0.039	0.07	5.80	0.002
Duplicate			0.14	5.63	0.112	Duplicate		0.036	0.07	5.81	0.003
75478		0.038	0.09	4.22	0.073	75556		0.176	0.33	6.53	0.011
Duplicate		0.038				Duplicate			0.33	6.39	0.011
75481		0.074	0.15	2.86	0.130	75561		0.055	0.15	6.45	0.007
Duplicate			0.14	2.75	0.129	Duplicate			0.16	6.63	0.007
75490		0.056	0.35	6.58	0.320	75566		0.126	0.25	5.74	0.020
Duplicate			0.33	6.34	0.319	Duplicate			0.25	5.96	0.020
75495		0.028	0.08	7.95	0.046	75570		0.102	0.20	4.43	0.005
Duplicate			0.09	7.70	0.045	Duplicate		0.090			
75500		0.053	0.10	4.80	0.005	75571		0.114	0.20	4.64	0.006
Duplicate			0.10	4.80	0.005	Duplicate			0.20	4.81	0.007
75501		0.041	0.07	5.10	0.050	75576		0.048	0.15	5.75	0.003
Duplicate		0.043				Duplicate			0.16	6.11	0.003
75505		0.077	0.18	5.42	0.007	75580		0.067	0.11	2.76	0.004
Duplicate			0.18	5.52	0.007	Duplicate			0.11	2.70	0.004
75510		0.087	0.16	6.85	0.031						
Duplicate			0.15	6.94	0.031						
75514		0.167	0.17	6.59	0.151						
Duplicate			0.18	6.48	0.150						

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"We Identify and Solve Complex Mineral Processing Problems"

Certificate of Analysis

*FOR Mount Polley Mining Corp - **KM1165***

Date: April 27, 2001

Sample	Element				Sample	Element			
	Cu %	CuO%	Fe%	Au ppm		Cu %	CuO%	Fe%	Au ppm
75867	0.14	0.01	17.7	0.07	75907	0.35	0.03	4.8	0.09
75873	0.062	0.03	6.5	0.02	75910	0.22	0.02	3.3	0.28
75874	0.074	0.02	7.2	0.06	75911	0.47	0.04	4.8	0.54
75876	0.10	0.03	7.8	0.13	75912	0.15	0.02	4.7	0.06
75877	0.12	<.01	8.0	0.22	75914	0.38	0.05	8.5	0.61
75878	0.080	0.01	6.5	0.07	75916	0.56	0.45	6.0	0.47
75879	0.11	0.04	6.2	0.09	75919	0.36	0.12	4.9	0.52
75883	0.16	0.02	6.4	0.09	75920	0.48	0.07	5.3	0.45
75884	0.13	0.01	6.1	0.13	75921	0.52	0.08	5.2	0.50
75885	0.40	0.03	6.6	0.48	75922	0.51	0.05	5.9	0.28
75887	0.13	0.01	6.4	0.19	75923	0.44	0.04	5.7	0.33
75889	0.18	0.03	6.5	0.15	75926	0.49	0.08	6.5	0.48
75890	0.10	0.02	6.0	0.07	75927	0.68	0.08	5.5	0.37
75891	0.10	0.02	6.0	0.06	75930	0.57	0.06	5.2	0.30
75896	0.11	0.03	6.0	0.07	75931	0.50	0.05	5.8	0.17
75897	0.35	0.05	4.7	0.43	75932	0.55	0.06	6.8	0.17
75899	0.11	0.01	5.8	0.06	75934	0.48	0.06	7.3	0.26
75901	0.12	0.01	5.6	0.06	75936	0.26	0.02	5.5	0.19
75902	0.11	0.01	6.2	0.07	75940	0.39	0.08	6.3	0.28
75903	0.15	0.02	5.0	0.13	75941	0.37	0.10	6.8	0.24
75906	0.086	0.01	5.1	0.04	75942	0.28	0.02	5.4	0.13

Chief Assayer: Charlene Richards

Certified Assayer: Tom Lafreniere

ISO 9001:2000 Certification
KPMG Certificate No. 1613

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Date: April 27, 2001

Sample	Element				Sample	Element			
	Cu %	CuO%	Fe%	Au ppm		Cu %	CuO%	Fe%	Au ppm
75947	0.36	0.02	6.1	0.22	76022	0.066	<.01	3.4	0.08
75950	0.069	<.01	6.3	0.07	76024	0.11	0.02	4.0	0.04
75952	0.20	0.04	4.9	0.37	76029	0.029	<.01	4.5	0.02
75958	0.34	0.04	5.7	0.28	76031	0.067	0.01	3.1	0.06
75962	0.29	0.01	5.7	0.48	76035	0.017	<.01	6.2	0.02
75976	0.14	0.03	3.4	0.11	76037	0.15	<.01	3.8	0.19
75983	0.11	0.01	3.7	0.15	76038	0.33	<.01	4.1	0.36
75984	0.11	0.01	5.8	0.07	76039	0.23	<.01	5.1	0.21
75987	0.16	<.01	4.5	0.20	76040	0.086	0.01	5.0	0.17
75990	0.10	<.01	4.1	0.15	76041	0.10	<.01	4.6	0.19
75996	0.10	0.06	4.9	0.06	76042	0.10	<.01	3.8	0.15
75997	0.10	0.06	4.3	0.06	76045	0.067	<.01	8.6	0.11
76000	0.13	0.11	6.5	0.06	76046	0.41	0.02	5.4	0.59
76001	0.15	0.13	6.4	0.06	76047	0.26	<.01	4.0	0.25
76004	0.048	0.03	3.8	0.04	76049	0.28	<.01	8.0	0.17
76011	0.13	0.09	6.2	0.06	76058	0.35	<.01	7.0	0.40
76012	0.10	0.06	6.1	0.06	76059	0.16	<.01	5.8	0.15
76013	0.11	0.03	5.2	0.06	76060	0.10	<.01	3.6	0.11
76014	0.17	0.04	6.9	0.13	76074	0.008	<.01	4.4	0.02
76015	0.044	0.02	5.6	0.02	76079	0.039	0.03	2.4	0.04
76018	0.036	<.01	4.1	0.02	76089	0.078	<.01	5.2	0.04

Chief Assayer: Charlene Richards

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*FOR Mount Polley Mining Corp - **KM1165***

Date: April 27 2001

Sample	Element				Sample	Element			
	Cu %	CuO%	Fe%	Au ppm		Cu %	CuO%	Fe%	Au ppm
76091	0.15	<.01	9.3	0.06	75870	0.094	0.03	5.9	0.04
76107	0.013	<.01	5.5	0.02	75872	0.077	0.06	5.2	0.06
76109	0.035	0.38	6.1	0.44	75875	0.059	0.04	6.9	0.06
76110	0.016	0.29	7.1	0.65	75880	0.10	0.01	5.9	0.11
76111	0.011	0.31	7.0	0.29	75881	0.11	0.02	6.0	0.11
76112	0.34	0.26	7.6	0.25	75893	0.10	0.04	6.3	0.13
76113	0.35	0.32	6.6	0.42	75925	0.66	0.15	5.1	0.69
76115	0.30	0.28	7.5	0.27	75955	0.012	<.01	4.8	0.02
76116	0.32	0.18	7.2	0.25	75991	0.11	0.07	5.7	0.04
76117	0.18	0.16	8.1	0.27	76090	0.083	<.01	8.6	0.08
76118	0.33	0.29	7.3	0.46	76137	0.068	0.03	7.0	0.13
76120	0.27	0.25	6.9	0.29	76145	0.28	0.22	7.5	0.19
76122	0.36	0.32	7.0	0.44	76156	0.40	0.23	8.2	0.38
76123	0.40	0.30	7.4	0.53	76159	0.62	0.06	6.5	0.38
76124	0.080	0.05	4.8	0.11	76161	0.70	0.09	5.6	0.59
76125	0.41	0.14	7.1	0.53	76165	0.40	0.30	6.5	0.29
76126	0.55	0.35	5.5	0.71	76166	0.21	0.08	6.0	0.15
76131	0.073	0.03	7.7	0.08	76167	0.12	0.06	4.2	0.11
76132	0.32	0.20	6.7	0.42	76170	0.34	0.30	7.4	0.21
76134	0.054	0.03	6.1	0.06	76174	0.37	0.04	7.5	0.23
76135	0.073	0.04	6.9	0.06	76175	0.067	0.03	5.8	0.06

Chief Assayer: CRichards

Charlene Richards

Certified Assayer:

Tom Lafreniere

ISO 9001:2000 Certification

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Date: April 27, 2001

Sample	Element				Sample	Element			
	Cu %	CuO%	Fe%	Au ppm		Cu %	CuO%	Fe%	Au ppm
75894	0.11	0.03	6.5	0.08	75971	0.15	0.03	3.4	0.19
75895	0.21	0.10	7.6	0.34	75972	0.12	0.03	1.5	0.13
75908	0.49	0.07	5.2	0.76	75978	0.10	0.03	1.6	0.13
75913	0.27	0.06	4.4	0.25	75982	0.13	0.01	3.0	0.29
75915	0.33	0.12	5.0	0.50	75985	0.09	<.01	2.4	0.06
75917	0.49	0.47	6.1	0.36	75989	0.11	0.01	1.5	0.11
75918	0.55	0.41	4.1	0.48	75992	0.12	0.05	6.8	0.04
75924	0.62	0.06	4.5	0.69	75993	0.19	0.07	6.7	0.06
75929	0.47	0.09	5.4	0.34	75994	0.12	0.06	5.3	0.04
75937	0.19	0.08	6.4	0.21	76005	0.042	<.01	5.4	0.02
75939	0.38	0.07	7.1	0.19	76006	0.11	0.05	5.6	0.06
75945	0.41	0.07	5.7	0.13	76008	0.20	0.07	6.0	0.04
75948	0.50	0.06	5.3	0.50	76009	0.13	0.08	5.4	0.04
75951	0.053	<.01	7.8	0.11	76016	0.061	0.03	4.5	0.04
75954	0.12	0.01	4.0	0.15	76017	0.10	0.04	6.0	0.04
75956	0.013	<.01	4.6	0.02	76020	0.053	<.01	4.0	0.02
75959	0.22	<.01	6.6	0.17	76026	0.055	0.02	4.8	0.02
75963	0.069	<.01	5.4	0.06	76027	0.078	0.05	5.6	0.06
75965	0.13	0.02	3.0	0.17	76028	0.051	0.04	4.1	0.02
75966	0.17	0.02	2.9	0.06	76034	0.080	<.01	3.3	0.04
75968	0.12	0.02	3.1	0.08	76043	0.15	<.01	4.4	0.17

Chief Assayer: Charlene Richards

Certified Assayer: Tom Lafreniere

ISO 9001:2000 Certification
KPMG Certificate No. 1613

G & T METALLURGICAL SERVICES LTD

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"We Identify and Solve Complex Mineral Processing Problems"

Certificate of Analysis

FOR Mount Polley Mining Corp - KM1165

Date: April 27, 2001

Sample	Element				Sample	Element			
	Cu %	CuO%	Fe%	Au ppm		Cu %	CuO%	Fe%	Au ppm
75957	0.06	<.01	4.6	0.04	Checks				
76021	0.05	<.01	4.2	0.02	75880	**	**	**	0.11
76044	0.32	0.01	5.9	0.44	75965	**	**	**	0.15
					75984	**	**	**	0.06
Checks					76074	**	**	**	0.02
75878	**	**	**	0.06	76120	**	**	**	0.27
75901	**	0.01	**	**					
75902	0.11	**	6.2	**	*Check assays were performed on random samples*				
75915	0.33	0.12	4.8	0.53	*removed separately from the crushed bulk ore samples.*				
75966	0.17	0.02	3.0	**					
75976	0.14	0.03	3.3	0.15					
76009	0.13	**	5.4	**					
76013	**	0.03	**	**					
76020	**	<.01	**	**					
76024	0.11	**	4.1	**					
76037	0.16	<.01	4.1	0.17					
76040	**	<.01	**	**					
76059	0.16	<.01	6.0	0.11					
76134	0.055	0.04	6.3	0.06					
76137	0.068	**	7.1	**					
76166	**	0.09	**	**					

Chief Assayer: Charlene Richards

Certified Assayer: Tom Lafreniere

ISO 9001:2000 Certification
KPMG Certificate No. 1613

International Metallurgical Environmental Inc.
Certificate of Analysis

Project: Mount Polley Mining Corporation
Date:May 10, 2001
Certificate # :3148

Sample	Cu (%)	Fe (%)	CuO(%)	Au(g/t)
16237	0.13	6.3	0.049	0.18
75840	0.45	5.1	0.023	0.30
75841	0.44	5.7	0.24	0.19
75842	0.39	5.6	0.032	0.28
75843	0.18	4.1	0.012	<0.10
75844	0.14	4.4	0.009	<0.10
75845	0.12	2.8	0.005	<0.10
75846	0.089	2.9	0.004	<0.10
75847	0.11	8.3	0.012	<0.10
75848	0.046	3.9	0.015	0.23
75849	0.017	1.7	0.005	<0.10
45850	0.040	3.5	0.022	<0.10
75851	0.018	2.9	0.010	<0.10
75852	0.024	2.9	0.010	<0.10
75853	0.033	4.1	0.018	<0.10
75854	0.082	5.3	0.037	<0.10
75855	0.066	5.8	0.012	<0.10
75856	0.064	5.0	0.028	<0.10
75857	0.063	7.5	0.032	<0.10
75858	0.048	5.1	0.018	<0.10
75859	0.082	7.2	0.019	<0.10
75860	0.12	5.8	0.031	0.13
75861	0.10	6.2	0.023	0.11
75862	0.067	2.0	0.022	<0.10
75863	0.056	2.4	0.025	<0.10
75864	0.076	3.0	0.046	<0.10
75865	0.11	4.4	0.060	<0.10
75868	0.075	7.4	0.008	<0.10
75869	0.093	6.6	0.014	<0.10
75871	0.10	4.9	0.020	<0.10
75882	0.12	5.7	0.047	0.13
75886	0.31	3.5	0.018	0.45
75888	0.074	5.8	0.008	<0.10
75892	0.082	5.4	0.023	<0.10
75898	0.079	6.6	0.009	<0.10
75900	0.10	13.2	0.005	<0.10
75904	0.12	12.1	0.009	0.16
75905	0.095	11.8	0.002	<0.10
75909	0.20	4.4	0.014	0.19
75928	0.45	13.6	0.054	0.32
72933	0.44	18.2	0.091	0.19
72935	0.32	18.3	0.034	0.15
75938	0.28	17.1	0.15	0.15
75943	0.050	14.3	0.005	<0.10

Approved:
Holly Dufour, Senior Analyst

International Metallurgical Environmental Inc.
Certificate of Analysis

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Sample	Cu (%)	Fe (%)	CuO(%)	Au(g/t)
75944	0.28	19.5	0.025	0.19
75946	0.29	14.1	0.060	0.17
75949	0.10	15.6	0.008	<0.10
75953	0.19	3.5	0.052	0.24
75960	0.17	13.9	0.012	0.27
75961	0.15	13.5	0.009	0.21
75964	0.070	1.5	0.009	0.15
75967	0.31	6.7	0.010	0.35
75969	0.20	8.6	0.004	0.13
75970	0.17	10.1	0.006	0.15
75973	0.14	3.9	0.11	0.16
75974	0.14	5.4	0.020	0.15
75975	0.11	3.3	0.014	<0.10
75977	0.13	3.4	0.026	<0.10
75979	0.12	3.9	0.040	0.14
75980	0.13	7.4	0.003	<0.10
75981	0.14	7.6	0.006	0.14
75986	0.10	3.3	0.006	<0.10
75988	0.12	1.8	0.003	<0.10
75995	0.20	4.1	0.16	0.17
75998	0.14	14.6	0.094	0.12
75999	0.21	12.1	0.098	0.11
76002	0.099	5.0	0.070	<0.10
76003	0.069	4.9	0.045	<0.10
76007	0.13	5.3	0.055	<0.10
76010	0.14	5.9	0.055	<0.10
76019	0.064	4.5	0.008	<0.10
76023	0.12	3.1	0.002	0.10
76025	0.033	3.9	0.011	<0.10
76030	0.048	3.4	0.005	<0.10
76032	0.064	4.4	0.009	<0.10
76033	0.041	3.3	0.004	<0.10
76036	0.14	3.6	0.038	0.17
76048	0.36	5.3	0.012	0.36
76050	0.17	5.8	0.005	0.17
76051	0.094	6.7	0.007	0.22
76052	0.20	7.5	0.012	0.27
76053	0.18	4.3	0.005	0.10
76054	0.14	7.5	0.013	0.36
76055	0.30	6.1	0.010	0.24
76056	0.30	3.4	0.016	0.24
76057	0.38	5.3	0.012	0.37
76061	0.096	3.5	0.012	<0.10
76062	0.21	7.0	0.034	0.23

Approved: 
Holly Dufour, Senior Analyst

International Metallurgical Environmental Inc.
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Sample	Cu (%)	Fe (%)	CuO(%)	Au(g/t)
76063	0.18	5.1	0.077	0.33
76064	0.14	7.5	0.051	0.23
76065	0.37	14.4	0.097	0.49
76066	0.15	6.4	0.015	0.13
76067	0.15	5.9	0.008	0.11
76068	0.14	8.9	0.021	0.16
76069	0.094	7.0	0.009	<0.10
76070	0.021	6.1	0.004	<0.10
76071	0.049	2.1	0.019	<0.10
76072	0.074	2.7	0.047	<0.10
76073	0.089	5.9	0.057	<0.10
76075	0.17	6.9	0.035	0.14
76076	0.087	4.7	0.040	<0.10
76077	0.077	4.6	0.015	<0.10
76078	0.060	3.2	0.013	<0.10
76080	0.074	3.3	0.012	<0.10
76081	0.068	3.1	0.010	<0.10
76082	0.073	3.3	0.020	<0.10
76083	0.094	3.5	0.023	<0.10
76084	0.068	3.3	0.016	<0.10
76085	0.085	4.4	0.023	0.17
76086	0.14	10.6	0.015	0.19
76087	0.13	12.7	0.008	0.11
76088	0.29	9.9	0.018	0.40
76092	0.081	3.1	0.039	<0.10
76093	0.051	3.3	0.016	<0.10
76094	0.015	3.2	0.004	<0.10
76095	0.037	4.1	0.013	<0.10
76096	0.025	5.6	0.006	<0.10
76097	0.13	3.3	0.095	<0.10
76098	0.081	3.2	0.040	<0.10
76099	0.20	8.3	0.15	0.15
76100	0.66	8.5	0.43	0.27
76101	0.64	9.2	0.44	0.27
76102	0.50	8.7	0.27	0.52
76103	0.32	7.6	0.25	0.18
76105	0.33	7.5	0.27	0.31
76106	0.42	8.1	0.37	0.29
76108	0.40	7.1	0.35	0.22
76114	0.26	7.6	0.22	0.25
76119	0.31	7.7	0.23	0.69
76121	0.28	4.2	0.009	0.29
76127	0.023	5.8	0.010	<0.10

Approved:
Holly Dufour, Senior Analyst

International Metallurgical Environmental Inc.
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Sample	Cu (%)	Fe (%)	CuO(%)	Au(g/t)
76128	0.33	7.7	0.27	0.37
76129	0.056	6.3	0.021	<0.10
76130	0.23	5.0	0.2	0.33
76133	0.36	6.2	0.32	0.56
76138	0.11	5.0	0.061	0.16
76139	0.15	4.8	0.11	1.12
76140	0.33	6.1	0.27	0.14
76141	0.31	6.1	0.25	0.85
76142	0.016	4.5	0.004	<0.10
76143	0.30	8.0	0.24	0.46
76144	0.31	7.8	0.25	0.45
76146	0.35	8.8	0.23	0.22
76147	0.48	7.3	0.32	0.31
76148	0.76	6.2	0.27	1.29
76149	0.98	6.5	0.63	1.28
76150	1.08	8.8	0.42	0.45
76151	1.11	7.6	0.42	0.46
76152	0.62	7.7	0.43	0.33
76153	0.46	7.3	0.39	0.24
76154	0.52	8.7	0.2	0.41
76155	0.45	6.8	0.21	0.29
76157	0.44	7.1	0.19	0.27
76158	0.022	8.0	0.007	<0.10
76160	0.52	5.5	0.095	0.50
76162	0.57	5.2	0.076	0.37
76163	0.43	5.5	0.10	0.29
76164	0.24	5.3	0.27	0.56
76168	0.13	4.7	0.039	<0.10
76169	0.30	7.1	0.25	0.22
76171	0.13	7.4	0.10	<0.10
76172	0.14	5.1	0.025	<0.10
76173	0.045	6.3	0.011	<0.10
76176	0.28	7.8	0.12	0.11
76177	0.27	5.9	0.092	0.10
76179	0.21	7.6	0.025	0.14
76180	0.17	5.1	0.085	0.11
76181	0.22	6.7	0.062	<0.10
76182	0.25	5.6	0.10	<0.10
76183	0.23	6.3	0.078	0.12
76184	0.34	5.7	0.005	0.19
76185	0.23	6.5	0.009	0.14
76186	0.13	4.5	0.005	<0.10
76187	0.30	4.8	0.007	0.22
76188	0.37	6.0	0.004	0.22

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Sample	Cu (%)	Fe (%)	CuO(%)	Au(g/t)
76189	0.23	5.8	0.012	0.13
76190	0.23	5.5	0.005	0.13
76191	0.26	7.7	0.008	0.15
76192	0.022	5.6	0.003	<0.10
76193	0.31	6.3	0.005	0.17
76194	0.49	7.8	0.010	0.26
76195	0.84	7.8	0.010	0.36
76196	0.43	9.1	0.015	0.25
76197	0.13	6.3	0.002	0.11
76198	0.15	5.1	0.003	0.11
76199	0.27	7.9	0.006	0.14
76200	0.21	7.5	0.004	0.10
76201	0.24	4.0	0.068	0.41
76202	0.35	5.2	0.008	0.79
76203	0.33	6.9	0.008	0.71
76204	0.30	6.4	0.010	0.86
76205	0.35	7.5	0.012	1.08
76206	0.22	5.1	0.011	0.32
76207	0.24	5.3	0.022	0.30
76208	0.29	6.9	0.014	0.65
76209	0.24	4.5	0.21	0.47
76210	0.10	4.4	0.038	0.18
76211	0.17	5.4	0.080	0.21
76212	0.44	6.7	0.20	0.23
76213	0.25	7.0	0.17	0.24
76214	0.11	5.9	0.005	0.14
76216	0.55	7.9	0.010	0.69
76217	0.71	6.1	0.014	0.60
76218	0.54	5.9	0.016	0.62
76219	0.33	4.5	0.007	0.33
76220	0.27	6.1	0.22	0.11
76221	0.39	3.9	0.011	0.26
76222	0.11	2.9	0.005	<0.10
76223	0.31	5.7	0.20	0.26
76224	0.24	2.9	0.16	0.16
76225	0.33	4.2	0.012	0.28
76226	0.29	5.4	0.015	0.60
76227	0.20	6.1	0.008	0.57
76228	0.25	5.1	0.026	0.47
76229	0.34	7.9	0.024	1.00
76230	0.21	5.2	0.019	0.84
76231	0.13	3.7	0.011	0.13
76232	0.17	3.8	0.008	<0.10
76233	0.13	3.8	0.005	0.21

Approved:
Holly Dufour, Senior Analyst

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Sample	Cu (%)	Fe (%)	CuO(%)	Au(g/t)
76234	0.26	3.4	0.074	0.48
76235	0.18	4.2	0.022	0.39
76236	0.31	7.4	0.018	0.57
76237	0.16	4.2	0.010	0.26
76239	0.21	5.4	0.009	0.60
76240	0.37	7.2	0.016	0.85
76241	0.28	6.0	0.014	0.94
76242	0.084	5.0	0.005	0.14
76243	0.065	4.1	0.007	0.11
76244	0.11	5.0	0.008	0.21
76315	0.29	8.8	0.010	1.44
75849 prep ck	0.014	1.6	0.006	<0.10
75995 prep ck	----	----	----	0.13
76023 prep ck	0.12	3.0	0.002	0.11
76066 prep ck	0.15	6.6	0.008	0.17
76067 prep ck	0.15	6.2	0.005	0.10
76081 prep ck	0.064	3.2	0.010	<0.10
76127 prep ck	0.022	6.0	0.007	<0.10
76143 prep ck	0.32	8.0	0.26	0.48
76162 prep ck	0.59	5.3	0.060	0.34
76192 prep ck	0.025	5.8	0.003	<0.10
76241 prep ck	0.27	6.3	0.010	0.62
75868 duplicate	0.072	7.2	0.008	----
75888 duplicate	----	----	----	0.10
75974 duplicate	0.14	5.7	0.022	----
76007 duplicate	----	----	----	<0.10
75981 duplicate	----	----	----	0.12
76063 duplicate	0.18	5.3	0.079	----
76073 duplicate	----	----	----	<0.10
76082 duplicate	0.074	3.4	0.019	----
76088 duplicate	----	----	----	0.36
76103 duplicate	0.32	7.1	0.25	0.17
76128 duplicate	----	----	----	0.43
76147 duplicate	0.47	7.6	0.37	----
76155 duplicate	----	----	----	0.26
76183 duplicate	----	----	----	0.10
76203 duplicate	----	----	----	0.74
76222 duplicate	0.11	3.0	0.004	----
76225 duplicate	----	----	----	0.33
76240 duplicate	0.37	6.9	0.015	
76315 duplicate	----	----	----	1.53
2.07 std	----	----	----	2.08
CZN-3	0.67	9.3	----	----
CuNS	----	----	0.168	----

Approved: H. Dufour
Holly Dufour, Senior Analyst