747.3.8

019661

AMOCO CANADA PETROLEUM COMPANY LTD. - MINING DIVISION - DIAMOND DRILL HOLE RECORD

				DIP TEST					
PROPERTY	GALORE CREEK Claims C.W.-94,96,141-144	LATITUDE	23+ 75N	STARTED	June 22, 1970	Footage	Corrected	Footage	Corrected	Footage	Corre
HOLE NO.	C.W.-B.C.-70-2	DEPARTURE	1+ 75W	FINISHED	June 30, 1970						
BEARING	260° Azimuth	ELEVATION	1990 feet (above sea level)	LENGTH	563 Feet						
DIP-COLLAR	- 45°	SECTION		LOGGED BY	S. L. Putter						

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	Mo.	Au.	Ag.
0	26	Overburden. Sand and gravel. Bx casing to 26 feet									
26	70	Monzonite. Dark green. Fine-grained phaneritic, Massive. 30 -50% greenish-white translucent and pale brownish, to white, fine-grained (less than 1mm) K-spar; 40 -60% bluish-white to white, colourless and gray, fine - to very fine-grained (less than 1mm and as aphanitic ground mass) plagioclase; black to dark green, very fine-grained chlorite (about 10 - 15% in ground mass). Core, generally broken, less than 5% clear fine-grained quartz veining (less than 1mm - 1-2 mm) and masses and veins of pink and white carbonate (1 - 2cm) (especially at 34' and 37'). Argillic alteration and "veining" tends to transform both K-spar and plagioclase, but predominantly K-spar, to translucent greenish mineral, and to white to pale green clays (montmorrillonite? kaolinite?), the latter effect especially evident in fracture planes. Moderate argillic (here mainly chloritic) alteration, especially apparent on fracture planes. Intruded by irregular thin (less than 1mm) veins of argillic alteration; minor quartz. Pyrite is generally found in amounts of less than 1% to 1%, disseminated as very fine-to fine grains (less than 1 - 1mm), and as very thin (less than 1mm) intergranular stringers and films on fracture planes; thin (2 - 5mm) blebs & stringers are present in some less than 1% pyrite veins at 35' and 46.5'. Possible trace Chalcopyrite as very fine grains.	Trace Chalcopytite Less than 1% to 1% pyrite, less than 1% pyrite at 35' & 46.5'	556	31	40	9	.03	Trace	Trace	Trace
				557	40	50	10	.09	"	"	"
				558	50	60	10	.08	"	"	"
				559	60	70	10	.07	"	"	"
		To 32 --Pebbles and cobbles of overburden, rubble before bedrock, and possibly some bedrock.									
		385 - 40.4 - Slightly porphyritic monzonite; subhedral, greenish-white, less than 1mm to 10mm, K-spar crystals, in a bluish grey translucent plagioclase matrix. 1:1 ratio of K-spar to plagioclase. Light argillic alteration Traces of epidote and epidote veining especially apparent.									
		39 and others - Masses of thin carbonate and argillic veins give monzonite an almost cataclastic appearance.									
		57.5 - 61 - Generally moderate to medium-heavy green to bluish grey argillic alteration. Light hematitic veining at 30 - 40° to core axis.									
		61 - 61.9 - Fine-grained to very fine-grained, light greenish-grey syendiorite(?). Consists of white to light green-grey, fine-grained plagioclase and very fine-grained chlorite (?) in aphanitic ground mass. Slight schistosity parallel to core axis; contact with main monzonite unit at 0 - 10° to core axis.									

A.C.P.C.L. - MINING DIVISION - D.D.H. RECORD

PROPERTY Galore Creek HOLE NO. C.W.-B.C.-70-2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	Mo.	Au.	Ag.
		61.9 - 63 - as before 57.5 - 61									
		63 - 70 - Heavy pervasive hematitic (and specularitic) alteration and veining of monzonite at 0-30° to core axis.									
		70 - Contact of monzonite with unit below is at 0 - 10° to core axis, spread over 12" from 70' marker.									
70	152.5	Highly altered feldspathic rock, probably monzonite. Light pale green to medium green. Fine-grained. Phaneritic Generally massive but very friable. Fine-grained subangular to sub rounded (less than 1mm - 1cm), pale light green to light greenish-white-transulcent, argillically altered K-spar(?) (40 -60%); 40 -60% transparent and transparent-grey and transparent-green (with minor brown impurities) subrounded fine (less than 1 - 5mm) grains of plagioclase(?). Ground mass consists of 20 -30% very finegrained pale applegreen argillic clays with 0 - 10% fine to very fine-grained (less than 1mm) grains of hematite in the ground mass between feldspar grains. Larger grains may be aggregates of finer crystals; less than 5% fine-grained quartz. Isolated, 1 - 4cm wide, somewhat elongate masses of white to pinkish-white crystalline quartz, with hematite; some appear to be strung out large veins. Minor yellowish-white to white carbonate veining (some strung-out), cutting quartz veins. Appears than both plagioclase and K-spar are undergoing moderate to heavy argillic alteration to light transparent-green mineral grains. Pyrite: Trace to less than 1% as disseminated fine-grains and blebs. CHALCOPYRITE: Trace, as less than 1 - 2mm blebs and as very fine (less than 1mm) disseminated grains.	Trace chalcopyrite Trace to less than 1% pyrite	560	70	80	10	.01	Trace	Trace	Trace
				561	80	90	10	.02	"	"	"
				562	90	100	10	Trace	"	"	"
				563	100	110	10	.01	"	"	"
				564	110	120	10	Trace	"	"	"
				565	120	130	10	"	"	"	"
				566	130	140	10	"	"	"	"
				567	140	150	10	"	"	"	"
		73' - Remnant subhedral pale yellowish-white and cream-white fine-grained (less than 1mm) K-spar crystals visible in a dark green transparent, probably plagioclase (chlorite?) matrix. 1:1 = K-spar:plagioclase ratio.									
		70 - 78' - Main unit intermixed with dark grey shaley (argillic alteration? material. Schistosity at 0 - 20° to core axis.									
		79.6 - 84' - Dark green to white diorite (?) with less than 80% white plagioclase and 5 - 10% chlorite. Light to moderate argillic alteration and hematitic veining and alteration.. Contains trace Chalcopyrite in 1 cm thin (less than 1mm) stringers. and isolated less than 1mm blebs.	Trace Chalcopytite								
		81 - 81.5 - less than 1% Chalcopyrite as above.	Less than 1% Chalcopyrite								

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PROPERTY Galore Creek HOLE NO. C.W.-B.C.-70-2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
		99 - [illegible] - Bright green altereation in veins. Nature unknown.									
		126 [illegible] - Remnant K-spar crystals as at 73'									
		142 [illegible]0.5 - Slightly yellowish, probably argillic, alteration.									
		Trades out at about 149.5 - 150'. Moderate argillic alteration.									
		150 - 152.5 - Fine-grained, light grey to light green. Monzonite. Phaneritic. Massive. Lightly altered, brownish-white to greenish and yellowish white K-spar (40 -50%); bluish and greenish-white to white transparent plagioclase. Light argillic alteration. Pyrite: about 1% disseminated grains and fine (less than 1 -2mm) blebs.	1% pyrite								
152.5	154.9	Syenitic monzonite. Dark red-brown. Hematitic, Fine grained phaneritic. Massive. 50 - 60% fine-grained (less than 1 mm) greenish-white, anhedral K-spar; very fine to fine-grained (less than 1mm) white to bluish-grey plagioclase (aphanitic in ground mass, 20 - 30%); 15 - 20% very fine grained (less than 1mm) reddish-brown anhedral hematite (in ground mass). Trace pyrite as very fine disseminated grains.	Trace pyrite								
				568	150	160	10	Trace	Trace	Trace	0.1
154.9	159	Monzonite. Medium greenish-grey, with patches up to 1cm in diameter of light green. Fine-grained phaneritic. Massive 40 - 50% light greenish - to brownish-white fine-grained (less than 1 - 2mm) anhedral K-spar; 40 - 50% light greyish-white, somewhat transparent, fine-grained and aphanitic plagioclase. Moderate argillic alteration, heavy in fractures. Patches of light green are masses of light-greenish white argillically-altered K-spar within a surrounding "matrix" of primarily greyish-white Plagioclase. Trace pyrite as disseminated grains.	Trace pyrite.								
159	166.7	Monzonite. Yellowish-, slightly greenish-, grey. Fine- to very fine-grained. Phaneritic to aphanitic. Massive 40 - 50% light yellowish-, and slightly greenish-white fine-to very fine-grained K-spar(?) in a fine to very fine-grained matrix of 40 - 50% greyish-white plagioclase, and 0 - 5% chlorite, especially in fine-grained blebs (1 - 2mm). Heavily intruded by yellowish-white "veinlets" (less than 3mm) of argillic carbonate, alteration; moderate argillic alteration in intensity. Pyrite: 1% in disseminated grains and blebs (1 - 2mm) and very thin (less than 1mm) stringers.									
		166.4 - 166.7 - Heavy argillic-quartz-minor carbonate veining and alteration.									
				569	160	170	10	0.08	Trace	Trace	0.1

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PROPERTY Galore Creek HOLE NO. C.W.-B.C.-70-2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
166.7	174.7	Heavily hematitic monzonite (?) Dark red-brown. Fine to very fine grained. Phaneritic to Aphanitic. Massive. 30 - 40% bluish white to greyish-white fine to very fine-grained plagioclase; 20% yellowish-white fine grained K-spar (K-spar subject to argillic alteration as 159 - 166.7; 30 - 40% hematite as masses to 6" and as "grains" (up to 5mm) giving the rock its somewhat spotty appearance in part. The hematite "grains" are blob-like and appear to have crystallized from a melt, probably that of the host monzonite. Trace pyrite. Contacts of the unit above and below are gradational, both contacts having some associated quartz-argillic-minor carbonate veining and alteration as the units above (166.4 - 166.7) and below (174.2 - 175.2). The hematite "Blobs" appear to coalesce to form longer masses. Hematite veins, and is veined by, yellowish argillic alteration.	Trace pyrite	570	170	180	10	0.02	Trace	Trace	0.1
174.7	180.4	Monzonite. as 159 - 166.7. About 1% pyrite 174.7 - 175.2 - Altered monzonite, as 166.4 - 166.7 175.2 - 175.7 - Hematitic monzonite, as 166.7 - 174.7 175.7 - 176.2 - Altered monzonite, as 166.4 - 166.7	About 1% pyrite								
180.4	187	Monzonite . Greenish, slightly yellowish-grey. Fine-grained. Phaneritic Generally massive, though friable. 30 - 50% yellowish - to greenish translucent fine-grained (less than 1 - 2 mm) K-spar; 40 - 50% bluish-grey and white to clear grey, fine-grained and very fine-grained plagioclase. Moderate argillic alteration, heavier in places. Cut by numerous irregular yellow argillic-quartz alteration, minor carbonate veins, up to 2 cm wide. Pyrite: Trace to less than 1% in disseminated grains and blebs to 2 mm. 184.5 - 187 - Minor subangular - subrounded zenolithic (?) 2 - 4 cm masses of hard, light grey fine grained metaquartzite or silicified monzonite in host monzonite, about which argillic alteration has been heavy. Gradational contact with unit below.	Trace to less than 1% pyrite	571	180	190	10	Trace	Trace	Trace	0.1

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FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
187	190	Silicified monzonite or metaquartzite. Multi-coloured; mainly bluish - greenish - grey with irregular bands and veins of yellow, red, and dark green. Very fine to fine grained. Phaneritic. Massive. Hrd. Somewhat re-crystallized and fragmentary (brecciated)(2 - 6cm), intruded by highly altered monzonite, yellow and green argillic alteration, chlorite (green), hematite (reddish-brown) quartz (white, rose, pink) and carbonate (white and yellow). Banding at 50 - 70° to core axis. Rock may be silicified recrystallized phase of the host monzonite or it may be a xenolithic metaquartzite. Here it appears to be probably the former but the latter feature exists further below in this record. Trace pyrite as disseminated grains.	Trace pyrite								
190	221	Monzonite. Greenish, slightly yellowish, grey. Fine grained. Phaneritic. Massive. 30 - 50% greenish fine-grained (less than 1 - 2mm) K-spar; 40 - 50% bluish-grey to white fine-grained to aphanitic (less than 1 - 2mm and in ground mass) plagioclase. Moderate argillic alteration (yellow and green); cut by quartz and minor carbonate Light to moderate chloritic alteration. Contains irregular, somewhat elongate, 1 - 2 cm masses of white quartz; are probably strung-out quartz. Trace Chalcopyrite as disseminated fine grains and blebs. Trace to less than 1% pyrite as disseminated blebs, grains and stringers.	Trace Chalcopyrite	572	190	200	10	Trace	Trace	Trace	0.1
			Trace to less than 1% Pyrite	573	200	210	10	"	"	"	0.1
				574	210	220	10	"	"	"	Trace
		190 - 191 - as 184.5 - 187; Minor fragments of silicified monzonite or metaquartzite									
		190 - 207.7 - as main unit, with yellowish-argillic alteration decreasing in intensity and frequency with depth in this section.									
		207.8 - 211.8 - Minimal yellowish argillic alteration, but moderate argillic alteration in total as in main unit.									
		211.8 - 213.2 - Intrusive pink and white crystalline quartz veining.									
		213.1 - 221- As main unit, with increasing frequency and intensity of yellowish argillic alteration. Patches of more intense yellowish-argillic alteration with hematization and silicification (?) at 216.3 - 217.7 and 218.8 - 221. Contains abundant fragments of silicified fragments of monzonite, brecciated by argillic "veins". as on 184.5 - 187; Especially apparent at 220 - 221.		575	220	230	10	Trace	Trace	Trace	0.1
221	225	Syendiorite in monzonite. Dark grey to bluish-grey. Fine-grained Phaneritic to aphanitic. Massive. 60 - 80% altered and unaltered blue-grey fine grained plagioclase; 20 - 40% black to grey clays. Accompanying syendiorite is moderate argillic (chloritic) alteration. Intruding moderately-altered monzonite and folded with it. Pyrite: 1%, as disseminated grains & blebs. Upper contact is irregular; lower contact at 50° to core axis	1% pyrite								

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	Mo.	Au.	Ag.
		221.2 - 222 - "Bleaching" - argillic alteration and silicification of host monzonite.									
225	293	Monzonite: Medium to dark green, slightly yellowish in part Fine-grained phaneritic. Massive. 40% light yellowish and greenish-transparent-white and brownish white fine grained K-spar; 50% bluish-grey to clear fine-grained plagioclase.	Trace pyrite	576	230	240	10	Trace	Trace	Trace	0.1
				577	240	250	10	"	"	"	Trace
				578	250	260	10	"	"	"	"
		Moderate to heavy, argillic alteration. General chloritic, minor sericitic alteration. Minor silicification in part		579	260	270	10	"	"	"	"
		Cut by yellowish argillic "veins" with white and pink quartz veins throughout the unit, though more frequent in some sections and in folded and strung-out in host monzonite in some places.		580	270	280	10	"	"	"	0.1
				581	280	290	10	"	"	"	Trace
		Pyrite: Trace									
		225 - 234 - Heavy yellowish argillic alteration and veining gives the rock a yellowish cast (i.e. colouration). Yellowish & light greenish argillic alteration affects K-spar primarily. Light quartz veining as thin (2 - 4mm) and 1 cm veins at 30^{0} - 70^{0} to core axis. Heavy chloritic alteration on fracture planes are generally irregularly subparallel to core axis. Extent of yellowish alteration generally decreases to bottom of this sub-unit, resulting in a gradational contact with the sub-unit below.									
		234 - 242.5 - Moderately altered monzonite with no yellowish alteration, but heavy chloritic alteration on fracture planes irregularly subparallel to core axis. Minimal quartz veining.									
		242.5 - 245.2 - Moderately altered monzonite with moderate yellowish alteration as 225 - 234. Light quartz veining and infolded elongate masses of strung-out quartz associated with yellowish alteration. Minor silicification, associated with yellowish alteration.									
		245.2 - 250 - No yellowish alteration; Minimal quartz veining, as 234 - 242.5.									
		250 - 265.2 - Alteration of small (1 - 3ft) sections characterized by presence or absence of: a) Abundant yellowish argillic alteration; b) moderate to heavy quartz veining, usually associated with yellowish argillic alteration; c) abundante of masses (1 - 4cm) of quartz, usually relict veins infolded with monzonite; and d) some silicification of monzonite.		582	290	300	10	"	"	"	"
		265.2 - 275.7 - Yellowish alteration; Light quartz veining; Considerable infolding of quartz veins.									

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PROPERTY **Galore Creek** HOLE NO. **C.W.-B.C.-70-2** Page **7**

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
		275.7 - 280 - Syenitic monzonite. Light brownish. Fine-grained phaneritic. Massive 60% brownish, greenish K-spar 30% bluish-grey plagioclase.									
		280 - 293 - Yellowish alteration; Light quartz veining Considerable infolding of quartz veins; Possible trace Chalcopytire.	Possible trace Chalcopyrite								
		293 - Contact with unit below at 50 - 99° to core axis									
293	295.3	Syendiorite Black; fine to very fine-grained, massive, dyke. 10 - 20% greenish-white K-spar grains and microlites; 80 - 90% black plagioclase; 10% chlorite (?) Light argillic alteration. Cut by thin quartz-hematite and minor carbonate veins.	None								
		295.3 - Contact at 20° to core axis.									
295.3	297.6	Monzonite. Greenish-and yellowish-grey. Fine-grained. Phaneritic Massive. 40% light green and yellowish, fine-grained K-spar 40% bluish-white and clear, fine-grained to aphanitic (in ground mass) Plagioclase. Contains numerous (less than 20%) fragments of quartz (5mm - 2cm) which have been deformed with the host rock. Heavy argillic alteration as pervasive greenish and yellow veining; cut by numerous argillic & white quartz veins.	None								
1		296.2 - 296.9 - Intruded dyklet of syendiorite, as 293 - 295.3									
		296.9 - 297.6 - 40% slightly hematized, fractured, blue and white quartz fragments, elongated and oriented 20° to core axis.									
		297.6 - Contact about 4 inches long at 20° to core axis									
297.6	299	Monzonite. Yellowish-grey, very fine-grained, phaneritic to aphanitic, massive dyke. 40% greenish and yellowish-white, very fine grained (less than 0.5 mm) K-spar, 40% greyish-white, very fine-grained (less than 0.5mm) plagioclase; 5 - 10% very fine-grained hematite. Minor hematitic veining, especially on fracture planes. Moderate yellowish argillic alteration, appears to have invaded the very fine-grained monzonite from along the upper contact of the very fine-grained monzonite and the fine-grained monzonite above, and to have obliterated K-spar crystals from the contact and from a 2" fine-grained monzonite xenolith (?) outwards.									
		299 - Contact at about 30° to core axis, apparently intrusive into the unit below.									
299	300.8	Monzonite as 295.3 - 297.6; about 5% fine-grained hematite. Trace pyrite.	Trace pyrite								
		300.8 - Contact about 18 inches long at 20° to core axis									

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PROPERTY Galore Creek HOLE NO. C.W.-B.C.-70-2

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
300.8	305.4	Monzonite. Yellowish-grey, very fine-grained, massive dyke, as 297.6 - 299, yellowish argillic alteration along fractures.	None								
		305.4 - Contact between fine-grained and very fine-grained monzonites. The very fine-grained monzonite has a 1 mm chill zone at its margin which is microfaulted; the chill zone does not extend around the full perimeter of the contact. That yellowish argillic alteration emanating from the fine-grained monzonite has entered the very fine-grained monzonite along fractures and has obliterated crystals nearest these emanations implies that the very fine-grained monzonite was solid and cold when the argillic alteration entered it. But the presence of the chill zone in the very fine-grained monzonite implies that the very fine-grained monzonite was hot and the fine grained monzonite cold and solid when the very fine grained monzonite was intruded. Therefore, to conclude, the hot argillic alteration entered the cold very fine-grained monzonite after the hot very fine-grained monzonite had intruded the cold fine-grained monzonite. Age: F.gr. Moz. - VF.gr. Monz. - Argillic alteration.								
				583	300	310	10	0.02	Trace	Trace	Trace
305.4	335.5	Monzonite. Light green-grey, with sections of slightly yellowish paler green, and brownish tints. Fine-grained. Phaneritic Massive, although more altered sections appear slightly more friable; slightly porphyritic in places, 40 - 50% brownish-white to greenish-white euhedral k-spar; 30 - 40% blue grey to white and blue-clear fine grained to aphanitic (ground mass) plagioclase; about 2% hematite inp places. Where porphyritic monzonite, K-spar is 70 - 80% fine-grained (less than 1 - 2mm) with the rest of the K-spar (20 - 30%) medium grained (2 - 5mm) subhedral brownish-white to greenish-white phenocrysts. Generally contains 5 - 10% (less than 5mm) fragments of white and blue quartz. Moderate to light yellow and green argillic alteration from numerous thin veinlets. Cut by isolated 1 - 2mm to 2 cm white quartz veins with minor carbonate. Trace Chalcopyrite in isolated very fine-grains. Trace Molybdenite (at 316.5') Trace pyrite in isolated 1 - 2mm blebs and grains.	Trace Chalcopyrite Trace Molybdenite Trace Pyrite	584	310	320	10	.01	"	"	"
				585	320	330	10	Trace	"	"	"
		305.4 - 307.5 - Heavily fragmental monzonite with blue white quartz to 2 cm in a monzonite matrix. Moderate argillic alteration. Some quartz fragments aligned parallel to core axis. Dyke from above intrudes along core axis and between quartz fragments. % quartz fragments decreases from about 40% to 10% at bottom of section. Pyrite: Less than 1% in 1 - 2mm blebs Trace Chalcopyrite	Less than 1% pyrite Trace Chalcopyrite								

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	Mo.	Au.	Ag.
				586	330	340	10	Trace	Trace	Trace	Trace
335.5	356.3	Metaquartzite. Light blue grey-with patches of red, yellow, white and green. Very fine-grained (less than 0.5mm). Phaneritic to aphanitic. Massive to slightly brecciated. Composed of very fine-grained white quartz grains, subangular, roughtly equigranular, in a clear grey aphanitic matrix. Extensively cut by usually thin (less than 1 - 2mm) white & yellow quartz veins (up to 1 cm) with minor carbonate, and less extensively by bigger dark greenish-and light yellowish-white veinlets to 1 cm of very fine - to fine-grained, heavy argillically altered monzonite. Minor hematitic alteration associated with white quartz veinlets. Slight sericitic alteration. Trace to less than 1% Chalcopyrite at 346.2; 350 - 351.7; 353.8. Trace to less than 1% Molybdenite at 350 - 351.7; 352.5; 353.9 - 354.4. Trace to less than 1% pyrite in disseminated grains & blebs.	Trace to less than 1% Chalcopyrite Trace to less than 1% Molybdenite Trace to less than 1% pyrite								
		338.2 - 338.8 - Somewhat syenitic monzonite.									
		346.3 - 351.4 - Coarse breccia, due to intrusion of heavily altered (argillic) very fine-grained monzonite into metaquartzite. Fragment to matrix ratio = 80:20 Gradational into unit below.									
				588	350	360	10	0.01	"	"	"
356.3	374.5	Monzonite. Yellowish-grey green. Fine-grained Phaneritic. Massive. Heavy dark green argillic alteration. Grades above and below into monzonite with brecciated metaquartzite fragments and metaquartzite breccia, where general fragment - to matrix ratio grades from about 50:50 to a non-gragmental monzonite in monzonitic central part of the unit. Moderate sericitic alteration of the monzonite.		589	360	370	10	Trace	"	"	"
		356.3 - 369.9 - Monzonite with brecciated metaquartzite fragments gradational from massive metaquartzite. Fragments consist of 2 - 4 cm white & blue quartz at the contact with the massive metaquartzite (fragments:matrix = 50:50) to maximum 1 cm fragment size and fragment:matrix = 10:90 at contact with non-fragmental massive monzonite. Contains sub-sections of high fragment: matrix ratio or massive metaquartzite at 357.5 - 359.1; 360.1 - 361.2; 363 - 363.5. Trace pyrite generally in disseminated grains & blebs, less than 1%, at 357.1 - 359.1	Trace to less than 1% Pyrite Trace to less than 1% Molybdenite in fractures at 359.3 - 359.8								
		369.9 - 372 - Massive monzonite, generally no quartz or metaquartzite fragments present. Fine-grained phaneritic 40 - 50% greenish, fine-grained K-spar; bluish-grey to clear fine-grained to aphanitic plagioclase (40 - 50%).									
		327 - 374.6 - Monzonite with brecciated metaquartzite fragments as 356.3 - 369.9. Grades into massive metaquartzite below, with concurrent gradation in fragment size from 1 cm to 2 - 4 cm.									
				590	370	380	10	"	"	"	"

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FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	Mo.	Au.	Ag.
374.6	392	Metaquartzite. Blue-grey and multicoloured. Massive. As 335.5 - 356.3. Grades from monzonite fragmental above to slightly fragmental monzonite unit below. Trace pyrite	Trace Chalcopyrite Trace to less than 1% Molybdenite Trace pyrite to less than 1% pyrite	591	380	390	10	0.01	Trace	Trace	Trace
		383.5 - 392 - Slightly brecciated metaquartzite. Fragments generally large (2 - 4cm). Matrix consists of dark greenish (chloritic?) argillic materials, which also cuts fragments as veinlets. Subunit is irregularly hematized (0 - 10%) and intruded by more hematite-quartz-carbonate and fine-grained argillic monzonite than the massive metaquartzite. Alteration has tended to obliterate fragment and matrix and their contacts, although colour differences are generally quite sharp. Fragment:matrix ratio = 70-80: 30-20								
		Mineralization: 378 - 379 - Less than 1% Molybdenite in 2mm blebs, less than 1 mm grains, and thin (less than 2mm) stringers, mainly along fractures and associated with argillic alteration and less than 1% pyrite. 381 - 381.2 - as 378 - 379. Less than 1% Molybdenite. 381.2 - 383 - Trace Molybdenite: Trace Chalcopyrite at 382.9'. 383 - 384 - as 378 - 379. Less than 1% Molybdenite 387.7 - 389.1 - Trace Molybdenite. 389.5 - 390.5 - As 378 - 379. Less than 1% Molybdenite								
392	395.5	Monzonite. Light grey-green. Fine-grained phaneritic. Massive to very slightly fragmental 40 - 50% fine-grained greenish-white K-spar; 40 - 50% fine-grained bluish-clear plagioclase; 10 - 20% chlorite. Contains less than 20% fragments of quartz (less than 1cm) grading into more and larger quartzose fragmental material to bottom of unit, especially 394.5 - 395.5. Trace pyrite; Trace Molybdenite at 393'.	Trace Molybdenite Trace Pyrite	592	390	400	10	0.01	Trace	Trace	Trace
395.5	403.6	Metaquartzite. Multicoloured, massive, as 335.5 - 356.3 Trace to less than 1% pyrite, especially in grey argillic alteration material. Trace Molybdenite in grey, argillic alteration material at 400'; in 3mm and less than 1mm thin stringers.	Trace Molybdenite Trace to less than 1% Pyrite								
		395.5 - 397 - Metaquartzite breccia, gradational from fragmental monzonite at 394.5 - 395.5 Contains less than 80% angular metaquartzite fragments in a fine-grained argillic monzonite matrix. Trace to less than 1% pyrite, in disseminated grains and blebs. Trace Molybdenite in 1 mm blebs.	Trace Molybdenite Trace to less than pyrite.								

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
		401.7 - 401.9 - Very fine-grained grey-green Monzonite (?) containing globular hematite coalescing against the chill zone of monzonite at the vein margins									
				593	400	410	10	0.01	Trace	Trace	0.1
403.6	414	Monzonite. Fragmental to slightly porphyritic. Yellowish-green to greenish-grey. Fine-grained. Phaneritic. Contains 10 - 30% fragments (of less than 1 - 2 cm size, averaging 1 - 5mm) of white to blue quartz in a monzonite containing about 20% white anhedral phenocrysts of K-spar (?) in places. Moderate yellowish and greenish alteration and "veining". Grey argillic "veining" in places fragments the host altered monzonite. Slight sericitic alteration in very fine-grained green monzonite matrix. Trace pyrite as disseminated grains. Trace Molybdenite in 1 - 2 mm blebs and isolated thin (1mm) stringers at 409.1; 409.8; 411.5; 411.9; 412.1 - 412.6.	Trace Molybdenite Trace Pyrite								
				594	410	420	10	Trace	"	"	0.1
414	424.8	Metaquartzite (?). Multi-coloured blue-green to grey-green to cream white. 70 -90% metaquartzite (?) fragments in a dark green argillic (+ chloritic) matrix. Slight sericitic alteration in very fine-grained green monzonite matrix. Appears to be in part silicified and non-silicified fine to medium grained monzonite with moderate argillic alteration. Gradational contact with unit below over about 12".	None								
				595	420	430	10	"	"	"	Trace
424.8	434.4	Monzonite. Yellowish-greenish-grey. Fine-grained. Phaneritic Massive. Equigranular. 40% white to yellowish-greenish-white subhedral fine-grained (less than 1 - 2mm) K-spar; 50% clear to greyish-clear, and slightly greenish clear, fine to very fine-grained euhedral plagioclase; 10% chlorite, minor hematite. Occasional isolated rose-white metaquartzite fragments (to 4cm) present; more numerous crystalline white less than 1cm angular quartz fragments present, appear to be strung-out vein remnants. Moderate to light argillic alteration. Intruded in places by 1" - 2" wide masses of very fine-grained dark green chloritic monzonite (?) Cut by white & yellow-white quartz and minor carbonate veining, some of it infolded with monzonite. Trace pyrite in blebs (less than 1mm - 1cm) grains, and 5mm wide stringers.	Trace Pyrite								
				596	430	440	10	"	"	"	"
434.4	462.5	Metaquartzite (?) massive to metaquartzite breccia. Multi-coloured to cream-white. Contains 0 - 30% intrusive very fine-grained, dark green chloritic monzonite as matrix. Moderate to heavy (green, yellow, grey) argillic alteration In places metaquartzite appears to be silicified or non-silicified fine grained altered monzonite. As before 414.4 - 424.8		597	440	450	10	"	"	"	0.1
				598	450	460	10	"	"	"	Trace

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	ASSAYS Mo.	ASSAYS Au.	ASSAYS Ag.
		457 - 462.5 - Matrix becomes considerably more heavily argillically altered. (to pale green)clays) and more friable.									
		460 - 462.5 - Tract to less than 1% Molybdenite in grains 2 - 3mm blebs, and thin (less than 1mm) stringers usually in argillic fine-grained monzonite matrix Trace pyrite.	Trace to less than 1% Molybdenite Trace pyrite								
				599	460	470	10	Trace	Trace	Trace	0.1
462.5	478.6	Monzonite . Massive to very slightly fragmental. Blue-green to light green. Fine-grained. Phaneritic. Somewhat friable 30 - 40% greenish-clear fine-grained (less than 1 - 2mm) anhedral K-spar; 30 - 40% blue-clear fine-grained (less than 1 - 2mm) anhedral plagioclase; 0 - 5% hematite (fine-grained; 20 - 30% pale green, aphanitic, argillic matrix. Moderate argillic alteration, heavier in places. Isolated large rose-quartz fragments to 4cm; about 5% numerous yellow-white and blue-white quartzose fragments.									
		467 - 469.8 - Trace Molybdenite in grains, blebs and stringers. Pyrite: Less than 1% as grains, large (to 1cm) blebs, and long stringers (2 - 3mm X 4cm).	Trace Molybdenite Less than 1% Pyrite								
		469.8 - 471.9 - Massive, multicoloured (mainly blue-grey to green) metaquartzite, as 335.5 - 356.3 Intruded by dark green to olive-green fine-grained argillic alteration. Trace to less than 1% disseminated pyrite. Possible trace Molybdenite.	Less than 1% Pyrite Possible trace Molybdenite								
		471.8 - 471.9 -Less than 1% Chalcopyrite, disseminated in 1 - 2 mm blebs & short stringers (less than 1 cm).	Less than 1% Chalcopyrite								
		471.9 - 478 - Frequency of isolated longer (to 5") metaquartzite increases. Gradational contact with somewhat fragmental monzonite below.									
				600	470	480	10	0.01	"	"	Trace
478	517.4	Monzonite. Fragmental, with brecciated silicic monzonite. (metaquartzite (?) fragments. Multi-coloured, though mainly reddish - to yellow-cream coloured silicic monzonite (metaquartzite) and blue-white metaquartzite fragments in a light blue-grey to grey green, moderately argillically altered fine to very fine-grained phaneritic monzonite matrix. Monzonite is composed of 40% greenish-white to whie fine-grained, subhedral to anhedral, K-spar; 50% clear to grey-clear fine to fine grained, anhedral plagioclase; less than 10% dark green chlorite. Contains 30 - 40% fragments, but varies from massive metaquartzite in xenoliths to 4 feet, to less than 10% fragments. Heavily cut by white quartz-carbonate veins and yellow and green (chlorite?) argillic alteration and "veining". Where monzonite predominates, rock tends to be friable, where metaquartzite predominates rock tends to be hard and solid.									
				601	480	490	10	0.01	"	"	"
				602	490	500	10	0.01	"	"	"
				603	500	510	10	0.02	"	"	"

FOOTAGE From	FOOTAGE To	DESCRIPTION	% Mineralization	SAMPLE NO.	FOOTAGE From	FOOTAGE To	FOOTAGE Length	ASSAYS Cu.	Mo.	Au.	Ag.
		478 - 481.1 - Massive to somewhat fragmental, slightly silicic monzonite (metaquartzite?). Trace pyrite	Trace pyrite								
		481.5 - Trace Chalcopyrite in 2mm blebs	Trace Chalcopyrite								
		481.8 - 489.5 - Fine to very fine-grained monzonite and monzonite fragments. Metaquartzite fragments as xenoliths to 2"/									
		Trace to about 1% pyrite as disseminated grains and blebs.	Trace to 1% pyrite								
		489.5 - 491.8 - Somewhat silicic monzonite in fine-grained, non-silicic monzonite. Multi-coloured to yellowish cream. Trace pyrite.	Trace pyrite								
		491.8 - 501.8 - As main unit with two slightly silicic multi-coloured cream-white monzonite at 495.6 - 496.5 and 498 - 499. Trace pyrite.	Trace pyrite								
		501.8 - 517.4 - As main unit with sections of heavy silicic monzonite (?) (multi-coloured to cream; metaquartzite (?)) and fragments in a fine to very fine-grained blue-grey, (slightly greenish-grey monzonite matrix.									
		511 - 512 - Trace Chalcopyrite in 1 - 2 mm blebs and short (less than 1 cm) thin (less than 1mm) stringers	Trace Chalcopyrite								
		Pyrite 1%	1% Pyrite								
		511.9 - 517.4 - Bluish-grey matrix is heavier, (516 - 517.4 - green is heavier) and frequency of blue-white meta-quartzite fragments increases. especially within 2 feet of the contact with the metaquartzite unit below, where fragments of unit below are assimilated into the greenish, very fine-grained monzonite matrix.									
		Trace Chalcopyrite at 513.2"	Trace pyrite Trace Chalcopyrite								
		Trace pyrite throughout the section									
				604	510	520	10	0.08	Trace	Trace	Trace
				605	520	530	10	0.01	"	"	"
517.4	563	Metaquartzite, white hard, massive, phaneritic to aphanitic; extensively cut by veins of hematite and specularite, and blue-white quartz, and minor yellow and green argillic monzonite veining.	Trace to less than 1% pyrite								
		Heavy hematite veining and infiltration of metaquartzite predominent to about 530 feet, especially in sections 517.9 - 520.6, 523.4 - 526.8, and 527.9 - 529.5'.	Up to 3% pyrite	606	530	540	10	0.01	"	"	0.1
				607	540	550	10	Trace	"	"	Trace
		Heavy blue quartz veining predominent from about 540'.		608	550	563	13	0.02	"	"	"
		Trace to less than 1% pyrite in disseminated grains, blebs to 2cm, 1 mg (irregularly about 12"), 2 - 5 mm wide, stringers, and films on fracture surfaces.									
		About 540' - 550' - 1 - 3% pyrite, especially in veinlets. Pyrite appears especially associated with blue-white quartz and to a lesser extent with hematite, veining.									
563		END OF HOLE									