Assessment Report

on

2000 Percussion and Diamond Drilling

at Mount Polley Mine Cariboo Mining Division

N.T.S. 93A/12E Latitude 52⁶ 33' N Longitude 121⁹ 38' W

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

Volume 4 – Drill Logs and Assay Certificates Percussion – T00-* GEOLOGICAL SURVEY BRANCH AGGERSEDOTAT LERPORT

Vivian F. Park, P. Geo. Mine Geologist

March 15, 2001

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0.0	22.0	BX	Intrusive breccia; mos fragments with grey-p throughout. Salmon-pink rock is original textures are d pieces show white pla generally, rock has a crystals boundaries an monzonite and plagio (PPp); abundant sub- magnetite and biotite s fractures - >10% loc <<1/2mm preserved. Intense pervasive p minor sericite on som slightly to end of inter Strongly magnetitic crystals and as mm-s fractures; associated oxide. Trace malachite as and non-=planar surfa magnetite; no visible pyrite, also associated mostly equigranular, f plagioclase laths; high Moderate selective alteration - intensifies silicification associate sericite. Very strongly magnetic	atty dark salmon- ink mottling; little so intensely K-a estroyed, althou gioclase phenoc homogeneous a re apparent; prof clase porphyry n mm black speck +/- manganese o cally; rare calcite botassic alteratio e surfaces - incre val. - as sub-mm dis cale stringers an with biotite and n sub-mm specks aces, usually ass chalcopyrite; rare d with magnetite to monzonite, is sity in colour due but with some ve her colour index to weakly perva with depth; loca ed with strong ma netitic - 10 to >25	pink with a variation ltered tha gh very ra- crysts <1r ppearance tolith is nonzonite s due to oxide - als veinlets n domina easing ve asseminate d often in manganes on fractu sociated v e dissemi - much bel to minera- ry slightly than PPp isive pota lized agnetite; r	<10% at most are nm; c but so line tes; ry ad se res vith nated ster alogy; phyric /MZ. ssic ninor itial	0.0 3.8 7.6 11.4 15.2 19.1 22.9 26.7 30.5 38.1	3.8 7.6 11.4 15.2 19.1 22.9 26.7 30.5 38.1 45.7	49251 49252 49253 49254 49255 49256 49257 49258 49259 49260	0.298 0.341 0.461 0.380 0.345 0.330 0.242 0.135 0.186 0.123	0.243 0.247 0.253 0.279 0.230 0.235 0.156 0.064 0.061 0.079	0.14 0.13 0.23 0.25 0.16 0.15 0.16 0.10 0.08 0.12	4.54 5.80 5.61 5.34 5.20 7.20 6.19 3.85 6.02 4.11	5 4 4 5 5 4 3 5 2 5	4 4 4 3 4 4 3 5 2	mal mai mai mai, t tr mai, t	tr r tr r

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			Lithology					Assay R	esults		Alterati	ion
From	<u>To</u>	<u>LITH</u>	Description magnetite (+/- biotite), occasionally associated with silica. Trace malachite - pinpoint specks, often associated with magnetite. Lower contact is possible sharp.	<u>From</u>	<u>To</u>	<u>Tag ID</u>	<u>TCu %</u>	<u>CuNS %</u>	<u>Au gpt</u>	<u>Fe%</u> <u>K</u>	<u>А М ср</u>	<u>Φ</u> λ
22.0	27.0	BX	Breccia?; mottled dark pink and grey monzonite to monzodiorite; much as secondary rock type in 0.0 - 22.0 m; mostly equigranular with some phyric feldspar: excellent igneous textures, with colour diversity between minerals; strong contrast to adjacent pink rock, so might be a dyke?; colour index <20 - black magnetite and biotite. Very strong potassic alteration overall, but varies from weak and selective to intense and pervasive; minor sericitized biotite. Very strongly magnetitic - disseminated crystals, clots, stringers and fractures. Trace pin point malachite; very rare, trace chalcopyrite <<1mm; a few chips (<<5%) with ultra fine, subtle disseminated pyrite; most sulfides are associated with magnetite.									
27.0	30.5	BX	Breccia, to plagioclase porphyry dyke (PPp); deep salmon-pink rock as 0.0 - 22.0 m; rare, whitish plagioclase laths <1-2mm indicate that this was probably PPp; homogeneous; grain boundaries are discernible but blurred by intense alteration; most biotite has been altered away; if this is a breccia, then no textural relationships are preserved. Intense pervasive potassic alteration - affects all minerals equally, except for rare plagioclase phenocrysts; weak sericite; spotty manganese oxide (after magnetite) on some fractures. Moderately magnetitic - magnetite in sub-mm stringers, clots; localized micro stockwork with quartz- magnetite as filling. No visible malachite, chalcopyrite or pyrite. Sharp contacts.								1	

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			Lithology							Assay F	Results			Alteratio	on
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.30.5	38.2	BX	Breccia?; possible m; in strong contra dyke?; very sharp seen. Dominantly grey is excellent igneous is strongly evident; p usually <1mm; cro higher colour inde: Moderately to stru- in some places, per clay alteration of n Intensely magnet fractures - can cor interstitially. <1% pyrite occur disseminated cryst and comprising <5 rare trace chalcop associated with magnet	PPg ->PPp; much ist to adjacent units contacts; broccia to with black, pink and textures; all crystal hyric plagioclase la wded pseudo-porp x - 10 to >25. ongly potassically a ervasive in others; i nodal feldspar. titic - clots, stringer nprise >25% of sor s as ultra fine (<<1 tals, usually in loca % there; pyrite is o yrite; all sulfides ar agnetite.	as 22.0 - 27.0 s - possible extures aren't d cream mottling s boundaries are aths <2-3mm, hyry locally: altered - selective minor selective s, stockwork and me rocks - occurs /2mm) alized settings often subtle; very re closely	; ; ;									
38.2	45.7	BX	Breccia (or PPp dy 30.5 m; deep salm potassic alteration crystal boundaries magnetitic - sub-m <1mm that make r plagioclase preser surfaces; no visibl	yke?), as 0.0 - 22.0 ion-pink due to inte ; homogeneous bu ; most biotite altere im magnetite in fra- nicro stockwork loc rved; minor sericite e pyrite or chalcop	m and 27.0 - ense pervasive it with discernible ed away; weakly ctures/veinlets cally; rare phyric on some yrite.	2									
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D.O [.]	14.4	ВХ	Intrusive breccia; mot colouration from sam diorite to monzonite; i preserved; usually eq strongly phyric feldsp fractures. Potassic alteration r semi- to fully pervasiv 7.6 m, with equal K-s chloritic fractures; K-a by end of interval; loc Very strongly magne scale clots and sub-m stockwork locally; fair of hole. Trace malachite spe chalcopyrite in one st pyrite. Subtly into:	tled grey a ole to sam gneous te uigranular ar locally: anges fror e; <10% (bar and ep alized silic atiric - occ am stringe at surface cks; rare rongly pro	and pini ple; con xtures a but wit minor h mode chips, e bidote a pidote a pidote a pidote a propy cificatio urs as i rs and f hematif hematif	 variab nposed of are very the h occasion mematite of rate to in specially lteration; litic altera n. nterstitial forms mio- ization n kidized ship; no v 	le of well on rare tense, above some ttion mm- cro ear top	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	49261 49262 49263 49264 49265 49266	0.218 0.264 0.274 0.318 0.249 0.358	0.143 0.150 0.082 0.133 0.094 0.220	0.09 0.11 0.17 0.19 0.19 0.45	4.94 5.02 5.82 6.15 5.62 6.45	3 2 3 3 4	4 5 4 3 3	mal mai mai mai mai	tr
14.4	17.0	PPg	Plagioclase porphyry groundmass with sub Weak selective K-al most surfaces - incre No visible mineraliza Contacts are not ob	dyke; dar tle white, teration; d ases; very ation. viously sh	k grey a sub-trai iusty gr , very f arply de	aphanitic nslucent ey sericit aintly chl efined.	luster. e on oritic.											

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rom	То		LITH	De	escric	otion									Fr	om	То		Tao	a ID	Т	Cu %	6 (CuNS	5%	Aug	pt	Fe ^o	<u>/6 1</u>	<u> </u>	М	ср	ſ	<u>yc</u>

Breccia, as 0.0 - 14.4 m; mottled pink with grey increasingly pink to end of hole; igneous textures are usually well preserved although there is a lot of variability in grain size/relative grain size; composition ranges from diorite to monzonite to nouveau syenite.
Potassic alteration intensifies to end of hole where it becomes more pervasive and more intense; moderate propylitic alteration (epidote, chlorite, sericite) near upper contact decreases to 38.1 m; more silicified and sericitic (phyllic) to 30.5 m; significantly increased potassium from 36.0 m; sub-opaque, micro sucrosic recrystallized texture due to sericitization; minor

limonite and hematite spots on fractures; minor hematite staining 22.9 - 30.5 m. Strongly, but decreasing slightly, magnetitic -

disseminated crystals, clots, stringers etc; magnetite less common in most intensely potassic rocks from 30.5 m.

Trace malachite spots <1mm on occasional fractures - not abundant but ubiquitous; trace oxidized chalcopyrite, with magnetite, 22.9 - 30.5 m; very rare pyrite above that.

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0.0	45.7	ΡΡρ	Plagioclase porphyry homolithic compositio impossible to tell; dee variation; occasional y phenocrysts 1-2mm; < crystals > pyroxene ci throughout; <5% mafi- chloritic. Intense pervasive po overprints everything; discernible but blurred texture - completely a Very, very rare pyrite malachite or chalcopy magnetitic. 38.1 - 45.7 m: <10% with hematitic surface grainy; significantly in magnetite with hemati a new unit?; a fault?;	monzonii n and lac p salmor white anh al-2% ex ystals; b c mineral tassic al crystals it crystals l; subtle stats its visibl grungy g s and sili creased te; I don' not visibl	e; could k of tex -pink co edral pi cellent jotite sp s - occa leration bounda grainy re syenite; near su c; very, preen-ou cified a colour in t know l y miners	d be brecc tures mak plour - no agioclase amphibole eckled isionally destroys ries are ecrystalliz minor so rfaco; no very wea ange-grej opearance ndex - loo now this fi alized.	ia, but e it and ed ricite. kly y rock e; ks like ts in -	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	49267 49268 49270 49271 49275	0.036 0.061 0.051 0.057 0.115	0.013 0.022 0.015 0.014 0.020 0.034	0.05 0.05 0.05 0.09 0.14	2.47 2.56 2.71 2.53 2.90 2.96	5 5 5 5 5 5 5	1 2	ł	tr

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From	<u>To</u>	<u>LITH</u>	Description					From	<u>To</u>	<u>Tag ID</u>	<u>TCu %</u>	<u>CuNS %</u>	<u>Au gpt</u>	<u>Fe %</u>	<u>k</u> A	<u>M</u>	сp	ру
0.0	28.0	BX	Breccia; deep salmon- mostly monzonitic with sections with <10% fra (diorite to monzonite). Salmon-pink rock is is several fragments are developed a uniform a boundaries are blurred phenocrysts 1-2mm, v clay (+/-) sericite alter brownish mica, sericite manganese oxide; sol biotite > other accesse oxide tracings and spo sericitic - grey to yello Weakly magnetitic - often oxidized - also in No visible copper Secondary rock is a that has a strange uni although grain bounda more massive and fra that do not honour cry silicified and kind of d plagioclase phenocrys augite; epidote and cf Potassic alteration to strongly pervasive. Strongly magnetitic Not visibly mineralia	-pink with h phyric a agments of intensely so allere appearand d but ider vhere pre- ed; forme- ed; forme- ed; forme- d but ider vhere pre- ed; forme- d but ider vhere pre- ed; forme- d but ider vhere pre- ed; forme- fagm- bry mafic ots on fra- wish, view- fine diss n fracture minerals dark grey form texture aries are i ctures like- vstal bour- ranges fra- ranges fra- torite froi ranges fra- zed.	some nd equ of differ pervas d that to ce and tifiable sorved r biotite atite - o ents wi minera ctures; wed on eminat s. or othe /pink-g ure (ow identifia e glass idaries; itic; loc um and m 22.9 om abs semina	grey moth igranular ing comp ively K-all hey have crystal ; plagiocla , are white a altered t ften with th <25% a als; manga increasin most surf red crystal ar sulfides. rey intrus erprint); able the ro along pla ; it appear cally PPp some bla m. sent to sel	ing; psition ered - ase and p bitered nese gly aces. s, fon beck is nes s with ck ective als.	0.0 7.6 15.2 22.9 30.5 38.2	7.6 15.2 22.9 30.5 38.1 45.7	54527 54528 54529 54530 54531 54532	0.132 0.086 0.092 0.252 0.089 0.091	0.083 0.041 0.040 0.164 0.056 0.062	0.07 0.05 0.08 0.06 0.11	3.68 4.18 3.42 4.98 4.32 3.91	5 5 4 3 4 4	2 2 3 2 2	mai mai	

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From	То	LITH	Description					From	То	Tag ID	TCu %		Au gpt	<u>Fe %</u>	<u>к а</u>	M	ср	ру
0.0	45.7	BX	Intrusive breccia; mos increasing amounts of monzonitic, equigranu dioritic phases; <10% fragments; igneous ter end of hole, where eq common; there is a lod isn't possible to break Generally, rock show decreasing slightly to 30.5 m; magnetitic - in from 22.9 m; trace ma chrysocolla; rare ultra 30.5 m; no visible cha 0.0 - 31.0 m; deep sa and with 5-10% grey f locally, to fine-grained textures improve; larg hole (to 8.0 m) - rock I honour crystal bounda monzonite, probably p preserved crystals are rarely higher - magnet hornblende. Intense pervasive p feldspar looks alike ar blurred; minor chlorite altered; minor hematit Moderately to stron magnetite as dissemir etc. in similar occurret Trace malachite an green) on many fractu	tly deep grey/gre lar and j magneti ktures, a uigranul of varia out disti vs intens end of h creases lachite a fine diss lachite a fine diss lachite fine diss lachite fine diss lachite a fine diss lachite fine di	salmor ey-pink borphyr tic mel- ilways (ar rock bility th nct uni e pota- ole, es with de ole, es with de and pos semina s, with s - pos e; exce ar fragi long pl minant se porp blour in te and alterati als bou c of hol ctures. netitic - ystals, o otite.	n-pink with (; generally ritic, with m anic clasts good, impro- is more nroughout, l rits. ssic alterati pecially after epth, espec- sible ted pyrite a black spec- sible volca ellent igneo- ments near lanes that co- rock is phyry (PPp- idex of 5 to- augite +/ ton - all moo- ndaries are le; biotite p- - increases clots, string /socolla (blo- <1%	inor ove to but it ion, er cially ifter ckling nic us top of don't 15, dat artially ; jers ue-	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	54539 54540 54541 54501 54502 54503	0.418 0.272 0.220 0.131 0.205 0.195	0.238 0.190 0.152 0.074 0.141 0.137	0.14 0.09 0.09 0.08 0.07	4,04 5.03 4.86 5.40 6.33 6.26	4 4 3 3 3	2 3 4 4 4	mal, tr mal, c mal, c	tr r

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			Lithold	эgy								Assay F	tesults		Alterati	on
Г <u>ют</u>	<u>To</u>	<u>LITH</u>	Description chalcopyrite, in no visible pyrit Interval con equigranular, i rock; minor he 31.0 - 45.7 m and black; slig with rare phyri Potassic alt distinctively m alteration affet	ntergrown wi e. tains 5-10% magnetitic a matite after n monzonitic phtly increas ic minerals. eration rema tore selective cts <50% ro	ith magnel very fine nd occasic massive h ;; mottled p ed grain si ains very s a; seconda cks - as m	tite, above grained onally silici ematite lo oink, crear ze; equigr ze; equigr trong but i iny propylii inor crysta	7.6 m; ficd cally. n, grey anular s ic	<u>From</u>	<u>To</u>	<u>Tag ID</u>	<u>TCu %</u>	2 <u>CuNS %</u>	<u>Au gpt</u>	<u>Fе%</u> <u>К</u>	<u>A M cp</u>	<u>Ρ</u> Υ

epidote and epidote-chlorite in fractures; both alteration types often occur together; slightly increased sericite than uphole; most biotite at least partially altered, usually to sericite; oxidized fractures

Strongly magnetitic, as clots, stringers, veinlets etc - creates black speckling - rarely weakly

Trace disseminated pyrite <<1/4mm; no visible

<5-10% strongly magnetitic, melanic rock (as

described above) with slightly increased grain size and a more igneous appearance, often with oxidized surfaces; silicified with weak selective K-alteration.

and some pervasive limonitic staining.

hematitized.

copper minerals.

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0.0	45.7	BX	Intrusive breccia; mot black; alteration, color vary from chip to chip monzonitic with <5% I equigranular and phy easily discerned. In general, moderate and propylitic alteration malachite; rare chalco hole. 0.0 - 22.9 m: strongl K-alteration, selective but is more intense the increases to end of in and rare quartz veinte magnetitic with fine m mm stringers, mm-sca everywhere! - <5% to rare trace chalcopyriti usually associated wi fractures persists throc 22.9 - 45.7 m: as ab propylitic alteration; K hole; clay and sericite more granular appear biotite books <3-4mm magnetite as micro st silicification; possible on several fractures; or pyrite.	tled pink ur, grain , sample more me ric; ignec e to strom ons; inter opyrite an y mottlec to locall an propy- nterval; v et fragme hagnetite ale clots >50%; - e > pyrite th magne- bughout. ove, but c-alteratic e are com- rance; au ockwork structure no visible	, green size an to san clanic ro- pus tex- ng near- nsely n nd pyri- d; most y perva- litic all veakly ents to as dis and in <1% m. e on fra- etite; o with sl on incro- nmon a ugite pl ensely locally e here? e mala-	n and grey nd texture v nple; gener ocks; tures are v dy equal po- nagnetitic; f te; OK-look tly equigrar asive occur teration - silicified loo 15.2 m; inte semination fractures - alachite an actures and xidation on ightly stron eases to er and rock ha henocrysts magnetitic r; weak ?; weak oxi chite, chalo	with widely videly ally ery otassic crace cing nular; rs with cally ensely ns, sub- it's d very some ger nd of is a and and adation copyrite	7.6 15.2 22.9 30.5 38.1	15.2 22.9 30.5 38.1 45.7	54504 54505 54506 54507 54508 54509	0.189 0.246 0.175 0.241 0.271 0.365	0.140 0.179 0.125 0.176 0.200 0.302	0.10 0.08 0.07 0.12 0.13	5.63 5.13 5.15 5.38 5.43	3 4 3 3 3	5 5 4 4 4	mal, tr mal	tr

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Zone Longt	n (m)	Springer 45.7		Easti North Eleva Depti 0.0	ng ning ation h Az 0	1719. 3469. 1178. Dip -90	4 3 0 Surv Head	cy Type		Drilled By Logged By Comments	Terc V. P	;on 'ark						
<u> </u>			Lithology			•						Assay R	esults			Alte	ration	i
7.0	<u>10</u> 13.0	<u>LITH</u> DYKE	Augite porphyry dyke to fine-grained ground black augite phenocry Intensely magnetitic hematitization. Hematitic staining ar augite; chlorite after a epidote on fracture; m One ultra fine (<1/10 crystal; no visible cop Sharp contacts.	; dark pu Imass w /sts <1-2 matrix; p e rare h ugite loc linor ubio (mm) pyr per mine	irple/red ith crov 2mm. purple-r cally; m quitous rite cub erals.	d-grey, aph vded green red hue due coating or inor chlorita sericite. e in an auç	anitic to e to and jite	0.0 7.6 15.2 22.9 30.5 38.1	10 7.6 15.2 22.9 30.5 38.1 45.7	<u>14g ID</u> 54533 54534 54535 54536 54537 54538	0.295 0.169 0.296 0.272 0.208 0.101	CUNS % 0.228 0.117 0.199 0.193 0.127 0.060	Au gpt 0.24 0.09 0.21 0.18 0.07 0.03	3.90 5.25 6.37 5.33 3.88 5.03	<u>r</u> 4 5 3 4 3 4 2	: <u>₩</u> 5 4 4 5	tr mai mai	DX tr
13.0	38.5	BX	Breccia; mixed bag of textures - mostly mon equigranular and phy green with grey chang 30.0 m; excellent igne depth; colour index < pinkest rocks; CI <20 phases. 13.0 - 30.0 m: almos propylitic alteration wi mostly equigranular; s stringers etc.; trace m chalcopyrite in magne 30.0 - 38.5 m; PPp c alteration; minor epide textures; definitely pla and stringy magnetite sulfides. Somewhat sharply in	composizonitic w ric phase ging to p ious text 10 - bioti in more t equal r th K-spa strongly i alachite strongly i alachite titic blet lyke?; in bie; abur gioclase ; sericitiz	sitions a vith min es; mot redomin ures - 1 te and melanic magnet and ve os. tense p ndant so phyric zed bio	and igneou for diorite - tle pink and nantly pink less so with magnetite c, silicified s of potass asingly abu- titic - blebs ery, very rai potassic ericite; gra citite; no visi	s by n ic and indant; re iny ated ble	- ·									I	

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			Lithology					Assay	/ Results		Alteratio	n
<u>From</u>	<u>To</u>	<u>LITH</u>	Description	<u>From</u>	<u>To</u>	Tag ID	<u>TCu %</u>	<u>CuNS</u>	<u>% Au gpt</u>	<u>Fe% K</u>	<u>М ср</u>	рy
38.5	45.7	BX	Breccia or plagioclase porphyry (PPg); moistly grey but definitely pink due to selective and weakly pervasive K-alteration; equigranular to definitely porphyritic; excellent igneous textures; almost equal potassic and propylitic alteration; ubiquitous sericite - dusty coating on many surfaces; trace interstitial malachite associated with abundant disseminated and blebby and stringy magnetite; minor oxidation on fractures; >25% magnetite locally; looks slightly more interesting than rest of hole.									
0.0	7.0	BX	Breccia or plagioclase porphyry monzonite (PPp) - no obvious clues; deep salmon-pink; black speckles and green clots; blurred igneous textures - somewhat uniform appearance; <1% to 10% modal biotite, magnetite and augite; white plagioclase phenocrysts <2-3mm are only occasionally seen; manganese oxide on some fractures. Intense [pervasive potassic alteration has created uniformity; rock has a slightly grainy texture; most surfaces coated with yellowish sericite; epidote clots <1/2cm occur within potassic areas; epidote also in fractures; one feldspar crystal altered to roscolite-like mineral; biotite sericitized and/or limonitic; minor limonite and staining on some fractures; manganese oxides on some fractures. weakly magnetitic - <1% ultra fine disseminated crystals and sub-mm clots. No visible copper minerals or sulfides									

No.	Mi A I M	ount Polley N Division of IMPE Count Polley	lining Corporation RIAL METALS CORPORATION Mine				Dri	illhole R	eport							ТО	0-8	
Zone Lengt	ו (m)	Springer 45.7		East Norti Eleva Dept	ing hing ation h Az 0	1727. 3478. 1178. : Dip -90	7 1 4 Surve Head	ey Type Set		Drilled By Logged By Comments	Terc / V.P	:on 'ark						
			Lithology									Assay R	esults			Alte	ratior	1
<u>From</u>	<u>To</u>	<u>LITH</u>	Description					From	<u>To</u>	<u>Tag ID</u>	<u>TCu %</u>	CuNS %	<u>Au gpt</u>	<u>Fe %</u>	<u>K</u> <u>A</u>	<u>v</u> <u>M</u>	<u>cp</u>	ру
0.0	7.0	BX	Breccia; minor overbu monzonitic - equigran igneous textures press minor augite porphyry Potassic alteration d pervasive in some fra fragments appear silic magnetite and blurring (mostly epidote) altera blebs in potassic rock minor selective clay a phenocrysts <1-2mm variably intensity; <2% groundmass; slightly fractures. Strongly magnetitic - and disseminated - us quartz. Trace ultra fine (<1/-	uden; m ular to p erved; s ominate gments, ified - a g origina ation as - compi lteration ubiquitt 6 rock w weather ultra fir sually as 10mm) in e likely o	ottled alagioc come li select ssocia al textu mm-so letely a of ran- bus se vith hei ed; ma is crys ssociat n magi xidized	grey and pir lase porphy monitic fract ense and tive in most; ited with ires; propylit cale channe affects <1% e plagioclas ricitization o matitic staini anganese ox itals as clum ced with second netite clots; d away.	nk; ry; tures; lic ls and rock; re ing in side on tps ondary any	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	54510 54511 54512 54513 54514 54515	0.105 0.060 0.332 0.265 0.219 0.298	0.076 0.043 0.254 0.191 0.124 0.230	0.06 0.05 0.19 0.15 0.11 0.21	5.25 4.67 4.91 4.87 4.46 7.32	2 2 4 4 3	4 1 2 3 4	tr mal tr mal	
7.0	13.3	DYKE	Augite porphyry dyke intensely altered - occ be destroyed with mir unwashed sample wa Fine-grained ground to clay and sericite; si biotite; uncrowded au Not magnetitic (anyr	; bleach cupies fa imal pre s mostly mass is ucrosic f gite crys nore); ne	ed mera ault; ind essure / greer almos exture stals < ot visit	dium green- competent - from fingerr n clay - goug it entirely alt s; black spec 1-2mm. bly mineraliz	grey; can nail; ge. ered ckles = ed.											

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			Lithology					Assay R	lesults		Alteratio	n
From	<u>To</u>	<u>LITH</u>	Description	<u>From</u>	<u>To</u>	<u>Tag ID</u>	<u> TCu %</u>	<u>CuNS %</u>	<u>Au gpt</u>	<u>Fe% K</u>	<u>А М ср</u>	ΡY
13.3	38.2	BX	Breccia; deep salmon-pink with grey mottles; original textures blurred to destroyed - rarely well preserved; formerly monzonitic (it's now technically a syenite), like plagioclase porphyry although phenocrysts are very, very rare; better igneous textures after 30.0 m. Intense pervasive K-alteration - combines with hematitic staining, especially above 22.9 m, to create dark colouration; ubiquitous sericite on surfaces; rare epidotic fractures - also with calcite; oxidation strongest above 23.0 m; secondary quartz by 30.0 m; ubiquitous but increasing manganese oxide. Magnetite increases to end of hole; starts out with fine disseminated crystals, to crystals and mm-scale blebs, then into stringers, clots, often associated with secondary quartz. Trace malachite on fractures above 22.9 m; very, very rare visible chalcopyrite cores of magnetite clots. Transitional into:									
38.2	45.7	BX	Breccia?; monzonitic host, but significantly more melanic than above; grey with pink, green, orange, black etc.; very ugly and grungy-looking; poor textures - where preserved, equigranular to feldspar phyric. Variable selective K-alteration; hematitic staining; more oxidized (with strong associated staining) than									

seen elsewhere in hole; increased propylitic component; some silicification; ubiquitous, often strong, sericite; manganese oxide everywhere. Very strongly magnetitic - invades groundmass - is

associated with secondary quartz - often indistinguishable from abundant biotite.

Increased alterations and deeper oxidation suggest

Very, very rare malachite.

that this might be a fault.

Page 2 of 2

	Mo A D Mo	unt Poliey N Vision of IMPR	Mining Corporation FRIAL METALS CORPORATION Mine	, (,	. ,	D	rillhole R	eport		, ,	, ,	• 1		•	т	0-9	<u> </u>
Zone Lengt	n (m)	Springer 45.7		Eastir North Eleva Depth	ng ing tion Az	1746.7 3484.0 1178.8 Dip -90	7 5 Sur v Hea	vey Type		Drilled By Logged By Comments	Terc V.P	on ark						
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From	То	нты	Lithology					From	То	Tag ID	ТС <u>и %</u>	Assay R CuNS %	Autont	Fe %	ки	AID A M	cn	ו עת
0.0	38.2	BX	Breccia; deep, dark sa abundant black speck cream; equigranular to variable; monzonitic (range from excellent to Generally: Intense pervasive por hematitic and limonitic orange colouration; lo minerals; >10% to <70 biotite-augite-hornblen chrysocolla on occasi 0.0 - 8.0 m: intense to are destroyed but occa are clearly plagioclass fragments with planar grain boundaries; yell surfaces - thicker and fractures; <50% magr amphibole as clots an some chips contain on hematite/limonite static copper oxides. 8.0 - 30.6 m: intense mostly magnetite, as i magnetite also as dist textures are much mo equigranular; clay alte 2mm are also seen; u and modal feldspar; s pervasive argillic alter ubiquitous and often a oxidation and staining	almon-pir ling; rese o feldspa pre-syeni o destroy otassic al c staining calized c 0% black nde; trace onal frac conal frac conal frac conal frac surfaces ow to gree more ye netite > b d channe ning; no v ely potass stringer, o seminate ore evider ered plag biquitous trong but ration; <5 abundant g remains	ak/oran embles r phyric te); ign /ed. teration and to lay; min speckl e malac tures. on; ign discer often b that du y seric llowish iotite + els in p mafic n visible s ic; <70 clots, v d cube sericit very lo % prop manga strong	ge with tiger-stripe c - widely leous textur of pervasive dark pink- nor propylit ling - magn chite and eous textur nible; rare reaks into l o not hono- ite on mos in some pyroxene- otassic roc ninerals; st sulfides or 0% mafics, einlets etc. s <1/4mm; ially e phenocrys te - after bio coalized oylitic patch anese oxid ; rare calci	e ice res tic hetite- res chips larger ur t + k; rong ; sts <1- otile nes; e; ite	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	54516 54517 54518 54519 54520 54521	0.453 0.429 0.576 0.392 0.455 0.046	0.351 0.264 0.376 0.242 0.239 0.027	0.48 0.45 0.64 0.41 0.15 0.02	5.95 9.10 8.09 8.08 7.29 4.74	5 4 4 4 3	3 4 4 2 2 1 1	<u>о</u> mal, mal,	EX C

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			Lithology					Assay f	Results			Alteration	I
<u>From</u>	<u>To</u>	LITH	Description veinlets; minor localized silicification; trace malachite +/- bluer chrysocolla in occasional fractures. 30.6 - 38.2 m: as 8.0 - 30.6 m, but with noticeably stronger pervasive sericite > clay alteration - creates earthy, bleached, grainy and incompetent appearance; trace malachite; decreasingly magnetitic, but still strongly melanic - mostly biotite.	<u>From</u>	<u>To</u>	<u>Tag ID</u>	<u>TCu_%</u>	<u>CuNS %</u>	<u>Au gpt</u>	<u>Fe %</u>	<u>K A</u>	<u>M</u> <u>cp</u>	<u>Ρ</u> Υ
38.2	45.7	DYKE	Augite porphyry dyke, as in T00-8 7.0 - 13.3 m; intensely altered - must occupy fault; wet. Dull green-grey; sugary and incompetent - destroyed with pressure from fingernail; clay-rich groundmass with mafic speckling; uncrowded augite phenocrysts. Intensely sericite > clay altered; bleached; fault gouge; rare pin prick hematite after former modal magnetite. Mot magnetitic; no sulfides.										

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M M	ount Polley M Division of IMPI ount Polley	Mining Corporation ERIAL METALS CORPORATION Mine				Dril	lhole R	eport							т0	0-10	
Zone Length (m)	Springer 45.7		Eastii North Eleva Depth 0.0	ng ing tion n Az 0	1782. 3516. 1183. Dip -90	8 0 2 Surve Head S	y Type Set		Drilled By Logged By Comments	Terc V.P	on ark						
n		Lithology				·					Assay R	esults			Alt	eratior	1
From <u>To</u>	<u>LITH</u>	Description					<u>From</u>	<u>To</u>	Tag ID	<u>TCu %</u>	<u>CuNS %</u>	<u>Au qpt</u>	<u>Fe %</u>	<u>K</u>	<u>A</u> <u>M</u>	<u>ср</u>	ру
0.0 15.0	BX	Breccia or plagioclase deep pink with white the phenocrysts <1mm; evitreous luster; <5% r >10% near end of interview Very strong pervasive mafics and plagioclase ubiquitous sericite; sp localized silica; weak staining. Weakly magnetitic - <1/4mm. No visible copper m	e porphyr to pale pi excellent f nafic min erval. ve potass se phenod potty man to moder fine disse inerals.	y monz nk plag extures erals ne ic altera crysts a ganese rate lime eminate	onite (PP) ioclase ;; pearly to ear surfact ation; only re unaffec oxide; we onite/hem ed crystals	o); e to ;ted; eak alite	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	54522 54523 54524 54525 54542 54543	0.095 0.125 0.044 0.033 0.035 0.108	0.056 0.085 0.018 0.013 0.015 0.067	0.07 0.10 0.06 0.02 0.02 0.14	3.42 3.46 4.90 4.90 5.01 4.67	4 3 2 2 4	1 1 1 3 2		
15.0 38.2	MZ	Monzonite; grey-pink medium grained equi that are discernible w plagioclase phyric; 10 altered on rims; <10% porphyry. Weak to moderate s intensifies to contacts fractures; ubiquitous staining increases sli Weakly magnetitic - <1/4mm; significantly m. No visible copper m	with blac granular - rith unaid)-12% bla 6 salt-and selective s; minor c but weak ghtly tow fine diss - increase increals; n	k and d with exc ed eye; ack biot J-peppe polassid xidation sericiti: ard con eminate d magr o pyrite	ream; fine cellent tex locally we ite, occas or dioritic c alteration n on some zation; lim tacts. ed crystals netite after	e to tures eakly ionally n - e ionitic ; 30.5										1	

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			Lithology					Assay R	esults		Altera	ation
From	<u>To</u>	<u>LITH</u>	Description	From	<u>To</u>	<u>Tag ID</u>	<u>TCu %</u>	<u>CuNS %</u>	<u>Au gpt</u>	<u>Fe %</u>	<u>K A M c</u>	<u>р ру</u>
38.2	45.7	BX	Breccia; likely as 0.0 - 15.0 m, but with deep salmon- pink/orange hue and poorly preserved textures. Intense pervasive potassic alteration - combined with hematite and limonite staining to create dark colouration; abundant biotite altered to chlorite (on fractures and in clots), hematite and sericite; minor manganese oxide. Weakly magnetitic; no visible copper minerals or sulfides.									

	Mo A Di Mo	ount Polley M IVISION OF IMPE Dunt Polley	Ining Corporation				۵	rillhole R	eport							T00-11	
Zone Length	ı (m)	Springer 45.7		Easti Norti Eleva Dept	ing hing ation h Az 0	1791 3483 1179 Dip -90	.4 5.2 5.0 Sur Hea	wey Type ad Set		Drilled By Logged By Comments	Terc V. P	ark					
		· · · · · · · · · · · · · · · · · · ·	Lithology			•				·· · ·		Assay R	esults			Alteratio	'n
From	<u>To</u>	<u>LITH</u>	Description					<u>From</u>	<u>To</u>	Tag ID	<u>TCu %</u>	<u>CuNS %</u>	<u>Au gpt</u>	<u>Fe %</u>	<u>K</u>	А <u>М</u> ср	ру
0.0	15.1	BX	Breccia; deep salmon originally - now syenit with discernible grain been plagioclase phy and magnetite - occas Intense pervasive K- only mafic minerals a on most surfaces - mi some biotite altered to chlorite; spotty manga hematitic staining too Moderately magnetit <1/4mm and as mm-s stringers; increases w No visible copper mi	-pink/or. e; homo bounda ric; CI 5 sionally alteratic re unaffe uch strou sericite anese o ; hemati ic - diss cale clo rith dept nerals c	ange; r geneo ries; m to 15 - chlorition - affe ected; s nger in e; mafic kide thr te on s eminat ts and h. or other	monzonitic us appeara ight once to mostly bio c. ects all fold some fract cs also alte roughout; ome fractu ed crystals sub-mm cl	ance have dite dspar - stings tures; tures; red to res. ots and	0.0 7.6 15.2 22.9 30.5 38.1	7.6 15.2 22.9 30.5 38.1 45.7	48576 48577 48578 48579 48580 48581	0.244 0.267 0.025 0.202 0.086 0.137	0.205 0.197 0.012 0.155 0.058 0.097	0.49 0.29 0.01 0.23 0.09 0.10	3.64 5.51 5.77 4.34 4.92 3.79	5 5 1 2 1 3	3 4 4 4 4	
15.1	22.8	DYKE	Augite porphyry dyke components; hard an phenocrysts <1mm; fi groundmass shows e alteration or pink mod alteration; oxidized su magnetitic; not minera	; dark gr d compe ne-raine ither gre lerate, s urfaces a alized.	rey with etent; c ed felds enish emi-pe are cor	n green an rowded au spar-rich propylitic ervasive K- mmon; stro	d pink gite ngly									1	
22.8	26.7	BX	Breccia, as 0.0 - 15.1 pink/orange; uniform alteration; weakly ma but magnetitic clots w no visible mineralizat	m; deer textures gnetitic; rith biotil ion.	p, dark ; inten: most r le rema	salmon- se potassio nafics alte ain; weak s	ed out, ericite;										

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|             |           |             | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                      |      |           |               |              | Assay R       | esults        |               | Alteratio     | n  |
| <u>From</u> | <u>To</u> | <u>LITH</u> | Description                                                                                                                                                                                                                                                                                                                                                                                                                    | From | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS %</u> | <u>Au gpt</u> | <u>Fe %</u> K | <u>А М ср</u> | ру |
| 26.7        | 38.0      | DYKE        | Augite porphyry dyke, as 15.1 - 22.8 m; dark<br>grey/grey-green; aphanitic groundmass with groonish<br>chloritic hue and rarer pinkish potassic hue; hard and<br>competent; crowded black phenocrysts <1-2mm -<br>often coated with hematite; magnetitic groundmass,<br>also locally hematitic; no visible mineralization.                                                                                                     |      |           |               |              |               |               |               |               |    |
| 38.0        | - 45.7    | ΒX          | Breccia?; mottled grey and pink - muted, dusty hues;<br><20% dark salmon-pink fragments; plagioclase<br>porphyry - phenocrysts <1-2mm, white; igneous<br>textures slightly blurred; groundmass shows variable<br>propylitic > potassic alteration, while 20% rocks show<br>intense pervasive potassic alteration; as 0.0 - 15.1 m,<br>except for decreased potassic rock; moderately<br>magnetitic; no visible mineralization. |      |           |               |              |               |               |               |               |    |

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|                | Mo<br>A DI<br>Mo | unt Polley M<br>WISION OF IMPE | Ining Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                               | Dri                                                                                                                                                       | llhole R    | eport     |                                     |                       |                    |               |             |                   | T00-12        |    |
|----------------|------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------------------------------------|-----------------------|--------------------|---------------|-------------|-------------------|---------------|----|
| Zone<br>Lengtl | n (m)            | Springer<br>45.7               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Eastin<br>Northi<br>Elevat<br>Depth                                                                                                                                                                                                                                                                                              | g<br>ng<br>ion<br>Az                                                                                                                                                                                                                                                 | 1766.<br>3194.<br>1122.<br><b>Dip</b>                                                                                                                                                                                                                                                                                                                         | 8<br>2<br>4<br><b>Surve</b>                                                                                                                               | еу Туре     |           | Drilled By<br>Logged By<br>Comments | Terc<br>V. P<br>All v | con<br>Park<br>vet |               |             |                   |               |    |
|                |                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.0                                                                                                                                                                                                                                                                                                                              | 0                                                                                                                                                                                                                                                                    | -90                                                                                                                                                                                                                                                                                                                                                           | Head                                                                                                                                                      | Set         |           |                                     |                       |                    |               |             |                   |               |    |
|                |                  |                                | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                      | ·                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                           |             |           |                                     |                       | Assay R            | esults        |             |                   | Alteratio     | on |
| From           | <u>To</u>        | <u>LITH</u>                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                           | <u>From</u> | <u>To</u> | <u>Tag ID</u>                       | <u>TCu %</u>          | <u>CuNS %</u>      | <u>Au gpt</u> | <u>Fe %</u> | <u>K</u> <u>/</u> | <u>А М ср</u> | ₽¥ |
| 7.0            | 45.7             | MZ                             | Monzonite to plagingla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ase nornh                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                      | onzonite (§                                                                                                                                                                                                                                                                                                                                                   | Pp)                                                                                                                                                       | 0.0         | 7.6       | 49155                               | 0.068                 | 0.045              | 0.19          | 4.56        | 2                 | 1             |    |
|                | 40.7             |                                | possible breccia?: me                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dium are                                                                                                                                                                                                                                                                                                                         | v with r                                                                                                                                                                                                                                                             | pink to 15.                                                                                                                                                                                                                                                                                                                                                   | 2 m:                                                                                                                                                      | 7.6         | 15.2      | 49156                               | 0.098                 | 0.023              | 0.22          | 5.11        | 3                 | 1             | 7  |
|                |                  |                                | deep salmon-pink with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | n grey aft                                                                                                                                                                                                                                                                                                                       | er 15.2                                                                                                                                                                                                                                                              | m; mediu                                                                                                                                                                                                                                                                                                                                                      | m-                                                                                                                                                        | 15.2        | 22.9      | 49157                               | 0.091                 | 0.021              | 0.20          | 4.88        | 4                 | 3             | 6  |
|                |                  |                                | grained (1-2mm) equi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | granular l                                                                                                                                                                                                                                                                                                                       | o defin                                                                                                                                                                                                                                                              | nite porphy                                                                                                                                                                                                                                                                                                                                                   | rry                                                                                                                                                       | 22.9        | 30.5      | 49158                               | 0.123                 | 0.017              | 0.30          | 5.23        | 4                 | 1             | 2  |
|                |                  |                                | (plagioclase phenocry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | sts <1-3r                                                                                                                                                                                                                                                                                                                        | nm); ig                                                                                                                                                                                                                                                              | neous tex                                                                                                                                                                                                                                                                                                                                                     | tures                                                                                                                                                     | 30.5        | 38.1      | 49159                               | 0.140                 | 0.010              | 1.23          | 5.62        | 4                 | 3             | 7  |
|                |                  |                                | Moderate to intense<br>selective to pervasive<br>m; minor epidote fract<br>significantly increased<br>assemblage) above 11<br>slightly less than K-sp<br>grained biotite looks b<br>stronger oxidation loc.<br>Magnetitic - increase<br>disseminated crystals<br>associated with sulfide<br>especially in sub-mm<br>2-7% fresh pyrite in f<br>most is easily viewed<br>(<<1/10mm) dissemin<br>and in quartz fractures<br>alteration assemblage<br>copper oxides.<br>7.0 - 15.2 m; mediun<br>>50% fragments appe<br>spar) and with more s<br>grey with greenish (ep<br>shows either intense p<br>kspar>epidote alterati<br>abundant interstitial b<br>clots; >7% pyrite - as<br>silicified rock, and as | K-alterati<br>; pervasiv<br>ures and<br>l epidote<br>5.2 m and<br>ar; ubiqu<br>ulurred - v<br>ally.<br>es to end<br>, clots an<br>es and of<br>fractures,<br>fractures,<br>without n<br>ated pyrif<br>s/veinlets<br>er silicific<br>ubtle text<br>bidote) hu<br>potassic a<br>on (greer<br>iotite and<br>ultra fine<br>coarser a | on range<br>e silici<br>clots to<br>and ch<br>from<br>tous si-<br>ery, ve<br>d string<br>ten wit<br>veinlet<br>as stri-<br>nicrosc<br>e in sili<br>; proba<br>le chal<br>rey; tex<br>ed (alth<br>ures -<br>e; rem<br>alteration<br>and p<br>magne<br>dissen<br>nd mo | ges from<br>ification to<br>o 35.0 m;<br>ilorite (pro<br>35.0 m - s<br>ericite; ultr<br>ery commo<br>y; very fine<br>gers; usua<br>h silica,<br>ts.<br>ingers, clo<br>ope; ultra<br>liceous spe<br>ably part o<br>lcopyrite o<br>ctural varia<br>nough migl<br>palest pinl<br>aining roc<br>on or<br>bink mottlir<br>etite, usua<br>ninations i<br>re obvious | 15.2<br>pylitic<br>till<br>a fine-<br>n;<br>lly<br>ts -<br>fine<br>ots<br>f<br>r<br>tition;<br>t be k-<br>k<br>(in<br>k<br>m);<br>lly in<br>n<br>s clots, |             |           |                                     |                       |                    |               |             |                   | 'n            |    |

| ́.,  |           | <b></b> 1   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\square$ | <b>[]</b> | <b>[]</b>     | <b>[]</b>    | <b></b>     |                |               | ()                      |                    | <b></b> |
|------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------------|--------------|-------------|----------------|---------------|-------------------------|--------------------|---------|
|      |           |             | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |               |              | Assay       | ' Results      |               |                         | Alteratio          | on      |
| From | <u>To</u> | <u>LITH</u> | <ul> <li><u>Description</u></li> <li>stringers, fractures etc. in rest of rock; occasional limonitic fractures.</li> <li>15.2 - 35.0 m: mottled grey and pink; abundant biotite and magnetite, as clots and in fractures; intense K-alteration with minor epidotic clots; &lt;5% with strong epidote; silica fractures; minor calcitic fractures; very selective clay alteration of plagioclase; &lt;6% pyrite, as described above, but mostly in fractures (with quartz and magnetite) and associated with magnetite.</li> <li>22.9 - 30.5 m: increased oxidation and clay clumps - FAULT.</li> <li>35.0 - 45.7 m: as 15.2 -30.5 m; increased magnetite; significantly increased propylitic alteration (especially epidote) occurs with intense K-alteration; 3-7% fresh pyrite, as above; no copper minerals.</li> </ul> | From      | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS</u> | <u>% Au gp</u> | <u>t Fe %</u> | <u><u>K</u> <u></u></u> | <u>M</u> <u>cp</u> | ₽¥      |
| Q,0  | 7.0       | OB          | Overburden, after monzonite; most fragments with<br>silty limonitic coating; mud clots; extremely<br>weathered; minor organics; >50% rock with pervasive<br>limonitic staining; >90% monzonite and plagioclase<br>porphyry (PPp); <5% black volcanic and 5% diorite;<br>rounded quartz pebbles; good igneous textures.<br>Variable alterations include potassic and<br>silicification; abundant manganese oxide; many iron<br>minerals oxidized; limonitic fractures and surfaces;<br>cruddy-looking weathered and oxidized rock.<br>All magnetite and sulfides are oxidized.                                                                                                                                                                                                                                              |           |           |               |              |             |                |               |                         |                    |         |

:

T00-12

| A<br>A        | A E       | ount Polley N<br>avision of IMPP<br>ount Polley | fining Corporation<br>RIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       |                                                                                                                                                                                                                     |                                                                           | Drillhole R                                  | eport                                       |                                                    |                                                    |                                                    |                                              |                                              |                       | T0(                                  | D-13      | 1                     |
|---------------|-----------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------|--------------------------------------|-----------|-----------------------|
| Zone<br>Lengt | h (m)     | Springer<br>45.7                                |                                                                                                                                                                                                                                                                                                                                                                                                           | Eastin<br>North<br>Eleva<br>Depth<br>0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ng<br>ing<br>tion<br>n Az<br>0                                                                                                                        | 1791.<br>3197.<br>1125.<br><b>Dip</b><br>-90                                                                                                                                                                        | 5<br>7<br>1<br><b>S</b> I                                                 | <b>urvey Type</b><br>ead Set                 |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P<br>Wet                                | on<br>ark<br>to 15.2 m                             |                                              |                                              |                       |                                      |           |                       |
|               |           |                                                 | Lithology                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       | · · · · · · · · · · · · ·                                                                                                                                                                                           |                                                                           |                                              |                                             |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                       | Alte                                 | ratio     | )n                    |
| From          | <u>To</u> | <u>LITH</u>                                     | Description                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       |                                                                                                                                                                                                                     |                                                                           | <u>From</u>                                  | <u>To</u>                                   | <u>Tag ID</u>                                      | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | <u>к</u> <u>А</u>     | <u>M</u>                             | <u>ср</u> | ру                    |
| 0.0           | 8.0       | OB                                              | Overburden or extrem<br>of monzonite and plag<br>organic material; dark<br>orange-stained on mo<br>staining; igneous text<br>texture improves to lo<br>Very strong pervasiv<br>rock; ubiquitous, ofter<br>second most prevaler<br>with thick red hematite<br>magnetite, pyrite and<br>manganese oxide; ran<br>phenocrysts <1-2mm<br>Magnetite and pyrite<br>oxidized and often un<br>presence of abundant | ely weat<br>jioclase p<br>pink-ora<br>est surfac<br>ures are o<br>wer conta<br>e potass<br>a strong s<br>at alteration<br>pink-ora<br>wer conta<br>e potass<br>a strong s<br>at alteration<br>pink-ora<br>e potass<br>a strong s<br>at alteration<br>pink-ora<br>e potass<br>a strong s<br>at alteration<br>pink-ora<br>e potass<br>a strong s<br>at alteration<br>pink-ora<br>e potass<br>a strong s<br>at alteration<br>pink-ora<br>strong s<br>at alteration<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>pink-ora<br>p | hered t<br>borphyr<br>nge wil<br>es; var<br>okay - r<br>act.<br>ic alter:<br>comme<br>comme<br>ved pla<br>o earthy<br>inated t<br>able - b<br>in next | pedrock; m<br>ry (PPp); n<br>th minor gr<br>iable limor<br>porphryritic<br>ation in >8<br>; oxidation<br>veral fractunite after<br>on; spotty<br>gioclase<br>y white clas<br>throughout<br>based on<br>t intervals. | nixtur<br>ninor<br>ey;<br>nitic<br>c<br>0% c<br>is<br>ures<br>y.<br>; are | e 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48551<br>48552<br>48553<br>48554<br>48555<br>48556 | 0.061<br>0.111<br>0.136<br>0.119<br>0.129<br>0.120 | 0.026<br>0.012<br>0.018<br>0.016<br>0.026<br>0.016 | 0.07<br>0.18<br>0.17<br>0.10<br>0.17<br>0.15 | 3.95<br>5.36<br>5.79<br>5.49<br>5.25<br>5.32 | 4<br>2<br>3<br>4<br>3 | 3<br>2<br>2<br>2<br>2<br>2<br>2<br>2 | tr<br>tr  | 3<br>1<br>4<br>2<br>2 |

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|      |           |             | Lithology   |             |           |               |              | Assay Results |             | Alte               | aration   |    |
|------|-----------|-------------|-------------|-------------|-----------|---------------|--------------|---------------|-------------|--------------------|-----------|----|
| From | <u>To</u> | <u>LITH</u> | Description | <u>From</u> | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | CuNS % Au gpt | <u>Fe %</u> | <u> A</u> <u>M</u> | <u>cp</u> | БX |

Monzonite to plagioclase porphyry monzonite (PPp); possible breccia?; very, very similar to T00-12; medium to dark grey with pink to 15.2 m; dark pink and grey after 15.2 m; equigranular to feldspar phyric; excellent igneous textures; black speckling by mafics; very strong to intense potassic alteration; minor argillic alteration; localized silica; add weak propylitic alteration after 30.5 m - mostly chlorite; localized stronger oxidation and limonitic staining; fine magnetite disseminated throughout; <4% pyrite ( with very rare chalcopyrite) occurs as interstitial clots and stringers and most commonly in fractures (with si+mt often).

ΜZ

45.7

8.0

8.0 - 15.2 m: dusty medium-dark grey; monzonitic; <5% augite porphyry dyke fragments; moderate but subtle potassic alteration; ultra fine disseminated magnetite; sub-vitreous; excellent textures; 3-5% pyrite in fractures and as disseminations.

15.2 - 38.0 m: increasingly potassic - intense locally; salmon-pink with black mm-scale biotite and/or magnetite clots and occasional white clay altered plagioclase phenocrysts <1-2mm; <5% dioritic pieces; increasing and locally strong sericite; minor epidote and chlorite from 30.5 m; <4% pyrite, mostly in *fractures*; *sulfides associated with magnetite +/- silica*. 38.0 - 38.2 m; augite porphyry dyke? - only a few chips present.

38.2 - 45.7 m: as 15.2 - 38.0 m; stronger potassic alteration; increased sericito; weak to moderate limonitic staining; surfaces are folted; disseminated magnetite; <2% pyrite; minor epidote.

Page 2 of 2

| Zone Sp<br>Length (m) 45<br><u>From To L</u><br>0.0 30.1 | bpringer<br>5.7<br><u>LITH</u><br>BX | Lithology<br>Description<br>Breccia; varying shade<br>lithology - mostly intrus<br>phyric and non-phyric<br>and oxidation persist t<br>from surface - some ro<br>contamination; many l<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Easting<br>Northing<br>Elevation<br>Depth Az<br>0.0 0<br>es of pink, orang<br>sive - PPp, PPg<br>components; st<br>o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                          | 1756.<br>3258.<br>1126.<br>Dip<br>-90<br>ge, grey; n<br>j and MZ w<br>crong weat<br>il; extreme<br>night be                                                                                                                                                                                                                                           | 1<br>2<br>Surve<br>Head<br>nixed<br>vith<br>hering<br>Iv wet                                                                                         | <b>y Type</b><br>Set<br><u>From</u><br>0.0<br>7.6<br>15 2 | <u>To</u><br>7.6<br>15.2 | Drilled By<br>Logged By<br>Comments<br><u>Tag ID</u><br>49126 | Terci<br>V.Pa<br>All w<br><u>TCu %</u><br>0.153 | on<br>rk<br>et<br><u>Assay R</u><br><u>CuNS %</u><br>0.084 | esults<br>Au gpt<br>0.05        | <u>Fe %</u><br>4.90 | <u>K</u> 4             | Alte<br>M<br>2 | eratior<br><u>cp</u><br>1 |         |
|----------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------|---------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------|---------------------------------|---------------------|------------------------|----------------|---------------------------|---------|
| <u>From To L</u><br>0.0 30.1                             | <u>LITH</u><br>BX                    | Lithology<br>Description<br>Breccia: varying shade<br>lithology - mostly intrus<br>phyric and non-phyric<br>and oxidation persist t<br>from surface - some ro<br>contamination; many l<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                  | es of pink, orang<br>sive - PPp, PPg<br>components; st<br>o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                   | ge, grey; n<br>I and MZ w<br>crong weat<br>II; extreme<br>night be                                                                                                                                                                                                                                                                                    | nixed<br>vith<br>hering<br>Iv wet                                                                                                                    | <u>From</u><br>0.0<br>7.6<br>15.2                         | <u>To</u><br>7.6<br>15.2 | <u>Tag ID</u><br>49126                                        | <u>TCu %</u><br>0.153                           | <b>Assay R</b><br><u>CuNS %</u><br>0.084                   | esults<br><u>Au gpt</u><br>0.05 | <u>Fe %</u><br>4.90 | <u>K</u> <u>A</u><br>5 | Alte<br>M<br>2 | eration<br><u>cp</u><br>1 | ,<br>РХ |
| <u>From To L</u><br>0.0 30.1                             | <u>LITH</u><br>BX                    | Description<br>Breccia: varying shade<br>lithology - mostly intrus<br>phyric and non-phyric<br>and oxidation persist t<br>from surface - some ro<br>contamination; many b<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                               | es of pink, orang<br>sive - PPp, PPg<br>components; st<br>o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                   | ge, grey; n<br>  and MZ w<br>trong weat<br>II; extreme<br>hight be                                                                                                                                                                                                                                                                                    | nixed<br>vith<br>hering<br>Iv wet                                                                                                                    | <u>From</u><br>0.0<br>7.6<br>15.2                         | <u>To</u><br>7.6<br>15.2 | <u>Tag ID</u><br>49126                                        | <u>TCu %</u><br>0.153                           | <u>CuNS %</u><br>0.084                                     | <u>Au gpt</u><br>0.05           | <u>Fe %</u><br>4.90 | <u>к</u> <u>А</u><br>5 | <u>M</u><br>2  | <u>ср</u><br>1            | ру      |
| 0.0 30.1                                                 | BX                                   | Breccia; varying shade<br>lithology - mostly intrus<br>phyric and non-phyric<br>and oxidation persist t<br>from surface - some ro<br>contamination; many b<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | es of pink, orang<br>sive - PPp, PPg<br>components; st<br>o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                   | ge, grey; n<br>j and MZ w<br>trong weat<br>il; extreme<br>night be                                                                                                                                                                                                                                                                                    | nixed<br>vith<br>hering<br>Iv wet                                                                                                                    | 0.0<br>7.6<br>15.2                                        | 7.6<br>15.2              | 49126                                                         | 0.153                                           | 0.084                                                      | 0.05                            | 4.90                | 5                      | <sup>.</sup> 2 | 1                         |         |
| u.u 30.1                                                 | DA.                                  | lithology - mostly intrus<br>phyric and non-phyric<br>and oxidation persist t<br>from surface - some ro<br>contamination; many l<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | sive - PPp, PPg<br>components; st<br>o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                                        | i and MZ w<br>rong weat<br>il; extreme<br>night be                                                                                                                                                                                                                                                                                                    | vith<br>hering<br>Iv wet                                                                                                                             | 7.6<br>15.2                                               | 15.2                     | 40107                                                         | a 400                                           |                                                            |                                 |                     | -                      |                |                           |         |
|                                                          |                                      | phyric and non-phyric<br>and oxidation persist t<br>from surface - some ro<br>contamination; many l<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | components; st<br>o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                                                           | rong weat<br>il; extreme<br>night be                                                                                                                                                                                                                                                                                                                  | hering<br>Iv wet                                                                                                                                     | 15.2                                                      |                          | 49127                                                         | 0.133                                           | 0.070                                                      | 0.16                            | 4.98                | 3                      | 2              | 1                         |         |
|                                                          |                                      | and oxidation persist t<br>from surface - some ro<br>contamination; many l<br>siltskins and limonitic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | o end of interva<br>ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                                                                             | il; extreme<br>night be                                                                                                                                                                                                                                                                                                                               | lv wet                                                                                                                                               |                                                           | 22.9                     | 49128                                                         | 0.102                                           | 0.037                                                      | 0.09                            | 4.73                | 2                      | 3              | 1                         |         |
|                                                          |                                      | from surface - some ro<br>contamination; many l<br>siltskins and limonitic l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ock fragments m<br>arge angular fra                                                                                                                                                                                                                                                                                                                                                                                                                                                 | night be                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                      | 22.9                                                      | 30,5                     | 49129                                                         | 0.085                                           | 0.042                                                      | 0.08                            | 4,71                | 4                      | 4              | az, 1                     |         |
|                                                          |                                      | contamination; many lasiltskins and limonitic l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | arge angular fra                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                    | 30.5                                                      | 38.1                     | 49130                                                         | 0.104                                           | 0.061                                                      | 0.10                            | 4.78                | 3                      | 4              | mal,                      | а       |
|                                                          |                                      | Generally, Interval sr<br>potassic alteration, str<br>magnetitic with ubiquit<br>chalcopyrite and mala<br>0.0 - 8.4 m: very stro<br>overburden; deep salr<br>porphyry monzonite w<br>textures; most surface<br>large angular fragmen<br>Intense pervasive k<br>strong limonitic/hemat<br>colouration; ubiquitous<br>localized sericitization<br>sugary texture; remna<br>occasionally oxidized;<br>altered to k-spar or lim<br>altered; all in all, this r<br>weathered; manganes<br><5% disseminated<br>alteration to hematite<br>pseudomorphs; magn<br><1% sulfides total -<br>resembling pyrite (yell<br>concentrations on frac<br>disseminated crystals<br>pot | irractures.<br>nows moderate to<br>ong limonitic state<br>tous disseminate<br>chite; nice-looki<br>ngly weathered<br>mon-pink/orange<br>with moderately p<br>es coated with years<br>as coated with years<br>as surface sericit<br>where feldspar<br>int biotite is black<br>plagioclase phy-<br>nonite-stained a<br>rock just looks v<br>se oxide through<br>magnetite <1/4r<br>- often remains<br>the tite also as mr<br>possible chalco<br>low, anhedral) -<br>ctures (usually v | to strong<br>aining, stro<br>ed and stri<br>ing interva<br>; possible<br>e plagiocla<br>preserved<br>ellowish so<br>abined with<br>create deep<br>le; occasio<br>r altered to<br>ck to chlori<br>enocrysts<br>and partiall<br>very strong<br>hout.<br>mm with va<br>as subheo<br>m-scale clo<br>opyrite, bu<br>occurs as<br>with silica)<br>magnetite | ongly<br>ingy<br>il.<br>ase<br>ericite;<br>p<br>onally<br>itic,<br>either<br>y clay<br>ily<br>ariable<br>dral<br>ots.<br>it more<br>and as<br>clots; |                                                           |                          |                                                               |                                                 |                                                            |                                 |                     |                        |                | )                         |         |

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Alteration **Assay Results** Lithology <u> Fe% К А М ср</u> Tag ID TCu % CuNS % Au gpt <u>ру</u>

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## Τ<u>ο</u> LITH Description From

8.4 - 30.1 m: plagioclase porphyry monzonite mostly; less weathered than above but with >10% rocks as above (contamination?); improved textures; dark pink with black; sub-vitreous luster.

Very strong to intense pervasive potassic alteration; some plagioclase phenocrysts clay altered and limonite stained instead - rarely fresh and white; sericitization very strong locally; several limonitic surfaces; magnetite crystals <1/2mm often altered to hematite; minor patchy chloritization; mixed bag due to weathering and possible contamination; minor silica associated with magnetite; occasional sub-mm white quartz veinlets with fine-grained chalcopyrite (or pyrite).

Strongly magnetitic - increasing to end of interval; magnetic response decreased due to oxidation; magnetite as disseminated crystals, often hematitic, <1/2mm and as mm-scale clots and in fractures - it's everywhere!

<1% total sulfides - looks more like pyrite but is probably chalcopyrite; occurs as sub-mm stringers and as disseminated blebs <1mm and as ultra fine, very subtle disseminated crystals - almost invariably associated with magnetite and some silica; trace malachite and guartz on fractures after 22.9 m; note: in the chips where sulfides are present, the local concentrations exceed 5%.

30.1 31.0 DYKE Augite porphyry dyke; dark grey/green-grey; aphanitic groundmass with uncrowded black augite phenocrysts <1-2mm; strongly magnetitic; groundmass shows variable chlorite and epidote, as well as subtle hematitic hue; rare coarser pieces.

Page 2 of 3

|      |           |      | Lithology   |      |           |               |              | Assay Results |             | Alt          | teration    |    |
|------|-----------|------|-------------|------|-----------|---------------|--------------|---------------|-------------|--------------|-------------|----|
| From | <u>To</u> | LITH | Description | From | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | CuNS % Au gpt | <u>Fe %</u> | <u>K A M</u> | <u>1 cp</u> | ру |

Intrusive breccia, much as 0.0 - 30.1 m, especially 8.4 - 30.1 m; mixed pink and grey; mostly plagioclase porphyry; limonitic fractures and staining persist; many strongly potassic and limonitic fragments and minor augite porphyry dyke chips are contamination in a very wet hole; igneous textures are still reasonably well preserved.

K-alteration still dominates; minor localized propylitization; selective clay alteration of plagioclase phenocrysts; moderate silica invades fractures and groundmass locally.

Strongly magnetitic - fine crystals as clots, fractures, stringers etc. - usually associated with secondary quartz.

<1-2% chalcopyrite, in localized concentrations as clots, stringers - often ultra fine and subtle; usually associated with secondary quartz and magnetite; more abundant than above; trace malachite/azurite on fractures.

Decent-looking interval.

31.0

45.7

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|               | Mo<br>A OI<br>MC | unt Policy M<br>WISION OF IMP<br>Dunt Policy | Mining Corporation<br>ERIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                            | Dril                                                                                                                                             | Ihole R                                    | eport                                       |                                                    |                                                    |                                                    |                                      |                                              |        | T00-15                | i<br>               |
|---------------|------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------------|----------------------------------------------|--------|-----------------------|---------------------|
| Zone<br>Lengt | ו (m)            | Springer<br>45.7                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Easti<br>North<br>Eleva<br>Depti                                                                                                                                                                                                                                                                                               | ng<br>ning<br>ntion<br>n Az<br>0                                                                                                                                                                                                                | 1724.<br>3251.<br>1122.<br><b>Dip</b><br>-90                                                                                                                                                                                                                                                                                                                                                               | 3<br>5<br>7<br><b>Surve</b> y<br>Head §                                                                                                          | <b>y Type</b><br>Set                       |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V.Pa<br>All v                              | on<br>ark<br>vet                                   |                                      |                                              |        |                       |                     |
|               |                  |                                              | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                  |                                            |                                             |                                                    |                                                    | Assay R                                            | esults                               |                                              |        | Alteratic             |                     |
| From          | <u>To</u>        | <u>LITH</u>                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                  | <u>From</u>                                | <u>To</u>                                   | <u>Tag ID</u>                                      | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au gpt</u>                        | <u>Fe %</u>                                  | ΚÆ     | <u>ч М</u> ср         | рy                  |
| 0.0           | 38.0             | ΜZ                                           | Monzonite; equigranu<br>possible breccia?; me<br>weathered with strong<br>igneous textures easi<br>grain boundaries acco<br>to pearly luster; black<br>hematite and limonite<br>Moderate to strong p<br>overprinted with orang<br>sericite alteration - cre<br>after magnetite and si<br>quartz veinlets - chlor<br>Abundant fine (<1/4)<br>and in fractures - ofte<br>replace with hematite<br>Pyrite, rarely fresh a<br>>5%, usually as limor<br>especially in fractures<br>0.0 - 7.6 m: all surfa-<br>crumbly.<br>0.0 - 15.2 m: strong<br>phenocrysts in monzo<br>15.2 - 22.9 m; first o<br>concentrations excee<br>porphyry dyke; minor<br>22.9 - 30.5 m: decre<br>disseminated magnet<br>quartz veinlets <1/2cr<br>usually with dissemin<br>30.5 - 38.0 m; increa-<br>increased limonitic sta<br>fresh sulfides. | lar with a<br>dium to<br>pervasi<br>ly viewed<br>entuated<br>clots of<br>on many<br>pervasive<br>ge stainin<br>eaks blea<br>ulfides; c<br>itic selva<br>mm) mag<br>n coateo<br>,<br>nd in loc<br>itic/hem<br>and in loc<br>ding 10%<br>chlorite.<br>ased bio<br>ite, sligh<br>m; increa<br>ated pyri<br>ased oxic<br>aining; d | some pl<br>dark or:<br>ve limo<br>d withou<br>by wea<br>fuzzy, v<br>y surface<br>potassion<br>ached k<br>occasion<br>ages.<br>gnetite of<br>atitic ps<br>limoniti<br>g; some<br>kite; inc<br>tly less<br>used un<br>ite.<br>dation o<br>ecrease | nyric phase<br>ange; stror<br>nitic stainin<br>it microsco<br>thering; ea<br>very fine bi-<br>res.<br>sic altoratic<br>terate clay<br>bok; hema-<br>nal mm-sca<br>disseminat<br>completel<br>concentrati-<br>concentrati-<br>concentrati-<br>concentrati-<br>seudomorp<br>c siltskins;<br>e augite<br>sh pyrite ir<br>y; <1% aug<br>reased<br>oxidized; co<br>oxidized ro-<br>oxidized ro-<br>oxidized ro- | es;<br>ngly<br>ng;<br>ope -<br>arthy<br>otite;<br>on -<br>and<br>lite<br>ed<br>y<br>ons<br>hs -<br>n<br>gite<br>cloudy<br>ock -<br>s;<br>ck with | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 49132<br>49133<br>49134<br>49135<br>49136<br>49137 | 0.142<br>0.083<br>0.084<br>0.106<br>0.087<br>0.130 | 0.078<br>0.037<br>0.040<br>0.029<br>0.038<br>0.071 | 0.10<br>0.14<br>0.18<br>0.17<br>0.19 | 4.77<br>4.58<br>4.54<br>4.24<br>4.67<br>5.93 | 333333 | 3<br>3<br>2<br>2<br>3 | tr<br>1<br>tr<br>tr |

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|      |           |      | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |           |               |       | Assay R       | lesults       |             | A          | Iteration   |    |
|------|-----------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|---------------|-------|---------------|---------------|-------------|------------|-------------|----|
| From | <u>To</u> | LITH | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | From | <u>To</u> | <u>Tag ID</u> | TCu % | <u>CuNS %</u> | <u>Au gpt</u> | <u>Fe %</u> | <u>Κ</u> A | <u>М ср</u> | ΡY |
| 38.0 | 38.2      | DYKE | Augite porphyry dyke; medium blue-grey to dark grey-<br>black; lighter fragments have grainy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |           |               |       |               |               |             |            |             |    |
| 38.2 | 45.7      | qqA  | Plagioclase porphyry monzonite or breccia, as 0.0 -<br>38.0 m, but with much better plagioclase porphyry<br>with variable clay-altered phenocrysts <1-2mm;<br>potassic alteration is sub-pervasive; sub-cm clots of<br>chlorite +/- epidote within potassic fragments;<br>magnetite as crusty clots and disseminations;<br>localized pervasive limonitic staining and several<br>limonitic fractures; some fragments show very strong<br>argillic alteration (bleached and soft) and sericitization<br>(grainy and soft); all-in-all, still a very weathered-<br>looking rock - due to proximity to fault to south?; rare<br>partially fresh pyrite. |      |           |               |       |               |               |             |            |             |    |

| Ŕ              | Mo<br>A D<br>Mo | ount Polley N<br>INISION OF IMPR<br>Ount Polley | lining Corporation<br>Hial METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |                                                                                                                                                                                               |                                                                                                                                                                                                                | Drill                                                                           | lhole R    | eport       |                                     |                       |                           |               |              |            | т0         | 0-16   |          |
|----------------|-----------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------|-------------|-------------------------------------|-----------------------|---------------------------|---------------|--------------|------------|------------|--------|----------|
| Zone<br>Lengti | ו <b>(m)</b>    | Springer<br>13.7                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Eastir<br>North<br>Elevat<br>Depth                                                                                                                                                                                                 | ig<br>ing<br>ilon<br>Az                                                                                                                                                                       | 1656.<br>3239.<br>1113.<br><b>Dip</b>                                                                                                                                                                          | 2<br>8<br>7<br>Survey                                                           | / Type     |             | Drilled By<br>Logged By<br>Comments | Terc<br>V.Pa<br>All v | on<br>ark<br>vet; abandon | ed            |              |            |            |        |          |
|                |                 |                                                 | t ithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.0                                                                                                                                                                                                                                |                                                                                                                                                                                               | -90                                                                                                                                                                                                            | neau c                                                                          |            |             |                                     |                       | Assav R                   | esults        |              | <u> </u>   | Alt        | eratio |          |
| From           | To              | <u>LITH</u>                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                    |                                                                                                                                                                                               |                                                                                                                                                                                                                |                                                                                 | From       | <u>To</u>   | <u>Tag ID</u>                       | <u>TCu %</u>          | <u>CuNS %</u>             | <u>Au gpt</u> | <u>Fe %</u>  | <u>ĸ</u> / | <u>A</u> M | ср     | ру<br>ру |
| 0.0            | 13.7            | BX                                              | Breccia; extremely we<br>orange, black, green o<br>overburden; 95% mor<br>with 5% black, fine-gr<br>excellent original text<br>degree of pervasive li<br>fractures.<br>Intense pervasive po<br>limonitic staining, crea<br>ubiquitous, often stror<br>clay alteration of plag<br>hematitic fractures.<br>Strongly magnetitic<br>clotty crystals <1/2mr<br>No visible sulfides.<br><5% melanic rock is<br>an intensely magnetit<br>sub-phyric, whitish pla<br>chlorite with weak pat<br>Note: hole abandom<br>surface. | eathered;<br>etc; round<br>nzonite/pl<br>ained intr<br>ures; mos<br>monitic si<br>btassic all<br>ates deep<br>ng sericiti<br>ioclase ci<br>abundar<br>n, occasid<br>fine-grain<br>ic ground<br>agioclase<br>chy K-alt<br>ed due to | multi-co<br>led peb<br>agiocla<br>usive fr<br>t rock v<br>aining o<br>reration<br>salmor<br>zation;<br>ystals/p<br>t disse<br>onally h<br>ned, eq<br>mass a<br>crystal<br>eration.<br>bad gro | bloured pi<br>bles to 7.<br>se porphy<br>agments;<br>with some<br>on some<br>- along w<br>n-pink hue<br>minor sele<br>ohenocrys<br>minated a<br>ematitic.<br>uigranular<br>nd numer<br>s; epidote<br>bund; wet | nk,<br>6 m =<br>ry<br>ith<br>ective<br>ets;<br>nd<br>with<br>ous<br>and<br>from | 0.0<br>7.6 | 7.6<br>13.7 | 49138<br>49139                      | 0.169                 | 0.088<br>0.102            | 0.16          | 4.87<br>4.38 | 4          | 34         | 3      |          |

|                | Mo<br>A Dr<br>Mo | unt Polley M<br>VISION OF IMPE<br>Punt Polley | lining Corporation<br>RIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                         | Drill                                                                                                          | hole R             | eport               |                                     |                         |                           |               |             |       | т0                | 0-17    |    |
|----------------|------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------|---------------------|-------------------------------------|-------------------------|---------------------------|---------------|-------------|-------|-------------------|---------|----|
| Zone<br>Lengti | ı (m)            | Springer<br>22.9                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Eastir<br>North<br>Eleva<br>Depth<br>0.0                                                                                                                                                                                                                                                                    | ng<br>ing<br>tion<br>Az<br>0                                                                                                                                                                                                                              | 1614.<br>3232.<br>1107.<br>Dip<br>-90                                                                                                                                                                                                                   | 2<br>3<br>1<br><b>Survey</b><br>Head S                                                                         | <b>Type</b><br>et  |                     | Drilled By<br>Logged By<br>Comments | Terc<br>V.Pa<br>S All w | on<br>ark<br>vet; abandor | ied           |             |       |                   |         |    |
|                |                  |                                               | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                         |                                                                                                                |                    |                     |                                     |                         | Assay R                   | esults        |             | -     | Alt               | eratior | 1  |
| <u>From</u>    | <u>To</u>        | LITH                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                         |                                                                                                                | <u>From</u>        | <u>To</u>           | Tag ID                              | <u>TCu %</u>            | <u>CuNS %</u>             | <u>Au qpt</u> | <u>Fe %</u> | ĸ     | <u>A</u> <u>M</u> | ср      | ру |
| 0.0            | 22.9             | FAULT                                         | Fault; dark green clay<br>contains very few frag<br>abandoned.<br>0.0 - 7.6 m: large (<2<br>rounded PPp, deep sa<br>black and white dioriti<br>pink with white PPp to<br>porphyry (dyke?); poo<br>7.6 - 15.2 m: mostly<br>porphyry with white fe<br>chloritization with loca<br>ubiquitous sericite; ve<br>pyrite in fractures - ve<br><5% fragments with in<br>15.2 - 22.9 m: signifi<br>coarser (than clay) fra<br>monzonitic rock with o<br>luster; 10% dark grey<br>alteration; chloritized<br>oxidation on fractures<br>Note: abandoned du<br>almost no recovery; m<br>dark green clay = gou | with rust<br>gments of<br>2 cm reta<br>almon-pir<br>ic plagioc<br>o MZ and<br>or recover<br>dark grey<br>eldspar cr<br>alized sel-<br>ary, very v<br>ery localiz<br>ery localiz<br>ery localiz<br>ntense k-<br>icantly ind<br>agments;<br>obscured<br>PPg as a<br>PPg; wea<br>a<br>te to bad<br>naterial le | ty ribboa<br>i varying<br>ined for<br>ik monz<br>lase po<br>rare gr<br>ry of fin<br>y and gr<br>ystals;<br>ective k<br>weakly i<br>ective k<br>weakly i<br>ed; trac<br>spar.<br>creased<br>90% or<br>texture<br>above; j<br>akly ma<br>ground<br>ft on su | ns; all wel<br>g lithology<br>conitic roc<br>rphyry, m<br>ey chert-li<br>e fragmen<br>reen-grey<br>strong<br>C-alteration<br>magnetitic<br>ce malach<br>I quantity<br>ange-yelk<br>s and glas<br>pervasive<br>gnetitic;<br>; driller rej<br>urface is d | , hole<br>c,<br>odium<br>co<br>ts.<br>micro-<br>n;<br>; <1%<br>te on<br>of<br>ww<br>ssy<br>K-<br>ports<br>ense | 0.0<br>7.6<br>15.2 | 7.6<br>15.2<br>22.9 | 49146<br>49147<br>49148             | 0.031                   | 0.015<br>0.010<br>0.017   | 0.03          | 3.68        | 2 1 3 | 1                 | таł     | 1  |

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|----------------------------|------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------|-----------------------|------------|----|
| Zone<br>Lengt              | ı (m)            | Springer<br>45.7                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Eastin<br>North<br>Eleva<br>Depth<br>0.0                                                                                                                                                                                                                  | ng<br>ing<br>tion<br>n Az<br>0                                                                                                                                                                        | 1568.<br>3225.<br>1098.<br><b>Dip</b><br>-90                                                                                                                                                                                                                                | 3<br>9<br>7<br><b>Surve</b><br>Head                                | <b>y</b> T <b>ype</b><br>Set               |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V.Pa<br>s All w                            | ark<br>vet                                         |                                              |                                              |                       |                       |            |    |
| <u>From To</u><br>0.0 45.7 |                  |                                                 | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                             |                                                                    |                                            |                                             |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                       | Alt                   | eration    | í  |
| From                       | <u>To</u>        | LITH                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                             |                                                                    | From                                       | <u>To</u>                                   | <u>Taq ID</u>                                      | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au qpt</u>                                | <u>Fe %</u>                                  | ĸ                     | <u>A</u> <u>M</u>     | ср         | рy |
| 0.0                        | 45.7             | PPg                                             | Plagioclase porphyry;<br>with 5-10% deep pink<br>underhue locally; mor<br>equigranular feldspar-<br>anhedral plagioclase<br>larger; excellent igned<br>Weak to moderate s-<br>variable from chip to d<br>epidote; ubiquitous ar<br>localized clay; 5-10%<br>pervasive limonitic sta<br>fragments that persist<br>alteration envelopes a<br>contamination in a we<br>Strongly magnetitic -<br>disseminated crystals<br>fractures - major com<br>No visible sulfides; to<br>0.0 - 8.0 m: stronges<br>8.0 - 30.6 m: <10% o<br>30.6 - 45.7 m: <2% o | mostly g<br>and with<br>azonite to<br>phenocry<br>bus textu<br>elective I<br>chip; very<br>nd locally<br>of rock v<br>aining - th<br>t to end c<br>around fr<br>et hole; m<br>- very find<br>s, clots, s<br>ponent.<br>race mail<br>st pervas<br>brange-s | rey to s<br>weak p<br>diorite:<br>undmass<br>vsts 1-2<br>res; wet<br>(-altera<br>with very<br>hese lan<br>of hole a<br>actures<br>actures<br>actures<br>actures<br>actite o<br>ive limo<br>tained fit | alt-and-pa<br>aink and o<br>fine-grain<br>s with whi<br>mm, rarely<br>from surd<br>tion - inter<br>chlorite ar<br>sericite; n<br>strong<br>ger orang<br>ger orang<br>ger orang<br>re either<br>or<br>se oxide.<br>mm) as<br>and in<br>n one frac<br>nitic stain<br>agments. | epper<br>range<br>te,<br>/<br>ace.<br>nsity is<br>nd<br>ninor<br>e | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 49140<br>49141<br>49142<br>49143<br>49144<br>49145 | 0.069<br>0.054<br>0.055<br>0.052<br>0.049<br>0.033 | 0.036<br>0.032<br>0.029<br>0.028<br>0.026<br>0.012 | 0.04<br>0.03<br>0.07<br>0.04<br>0.05<br>0.02 | 4.99<br>4.95<br>4.71<br>4.87<br>4.86<br>4.77 | 3<br>2<br>3<br>2<br>2 | 4<br>3<br>4<br>5<br>5 | mal<br>mal |    |

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| Zone<br>Lengti  | ו <b>(m)</b>    | Springer<br>45.7                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Eastir<br>North<br>Eleva<br>Depth<br>0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                              | 1733.<br>3172.<br>1124.<br><b>Dip</b><br>-90                                                                                                                                                                                                                                                                                                  | 7<br>5<br>0<br><b>Surve</b><br>Head                                                                                                                     | ey Type<br>Set                             |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P<br>Wet                                | on<br>ark<br>from 15.2 m                           | 1                                            |                                              |                            |                       |                              |
| ··· <b>_</b> ·· |                 | <u> </u>                         | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                              | •• <u>••</u> •                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                         |                                            |                                             |                                                    |                                                    | Assav R                                            | esults                                       |                                              |                            | Alterat               | ion                          |
| <u>From</u>     | <u>To</u>       | <u>LITH</u>                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                         | <u>From</u>                                | <u>To</u>                                   | <u>Tag (D</u>                                      | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | ΚĄ                         | <u>м</u> ср           | £Ω                           |
| 0.0             | 0.0             | ΜZ                               | Monzonite with plagio<br>stronger to end of hole<br>cream speckling and s<br>grained equigranular f<br>without microscope; w<br>Pervasive K-alteratio<br>but slightly more inten<br>pervasive limonitic sta<br>ubiquitous and variable<br>epidote.<br>Fine (<1/4mm) disse<br>increases; oxidized in<br>1-4% fine (<1/10mm<br>pyrite - occasionally v<br>magnetite; oxidized in<br>minerals.<br>0.0 - 10.0 m: weak lip<br>pyrite - usually oxidized<br>weathered; sericitic su<br>10.0 - 23.0 m: <50%<br>pervasive limonitic sta<br>orange; earthy limoniti<br>fresh pyrite forms <59<br>more magnetitic than<br>23.0 - 45.7 m: 25 - 5<br>strongly and increasir<br>augite/hornblende>bia<br>much better porphyry<br>phenocrysts <1-2mm<br>propylitic alteration oc | clase (PF<br>e; mostly<br>some ora<br>lextures a<br>vet from 1<br>on domina-<br>ise towar<br>aining and<br>le sericite<br>minated<br>some fra-<br>to <1/4m<br>ery subtla<br>some fra-<br>to <1/4m<br>ery some fra-<br>to <1/4m<br>ery some fra-<br>to <1/4m<br>ery some fra-<br>some fra-<br>to <1/4m<br>ery some fra-<br>some fra-<br>s | Pp) - po<br>pink w<br>nge sta<br>are stro<br>5.2 m.<br>ates - n<br>d end o<br>fractures<br>(minor<br>and clo<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures<br>(minor<br>actures)<br>(minor<br>actures<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(minor<br>actures)<br>(mi | inphyry be<br>ith black a<br>aining; fine<br>ngly evide<br>nore selec<br>of hole;<br>res persis<br>r chlorite a<br>tty magne<br>seminated<br>associate<br>associate<br>rare fresh<br>tite; grain)<br>derate to a<br>ly darker<br>icitized bio<br>ments; slip<br>hed fragme<br>increased<br>a, locally h<br>oclase<br>nass; weak<br>sic rocks. | comes<br>nd<br><br>ent<br>tive<br>t:<br>tite -<br>ed with<br>etite -<br>ed with<br>er<br>y and<br>strong<br>olite;<br>ghtly<br>ents;<br>modal<br>igher; | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 49149<br>49150<br>49151<br>49152<br>49153<br>49154 | 0.024<br>0.038<br>0.107<br>0.054<br>0.044<br>0.066 | 0.010<br>0.018<br>0.024<br>0.007<br>0.008<br>0.006 | 0.02<br>0.09<br>0.16<br>0.16<br>0.08<br>0.21 | 4.23<br>4.62<br>4.85<br>4.28<br>4.14<br>5.11 | 2<br>4<br>3<br>3<br>3<br>3 | 1<br>2<br>3<br>3<br>4 | tr<br>tr<br>2<br>4<br>1<br>3 |

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|               | Mo<br>AD  | ount Polley M<br>IVISION OF IMPE | lining Corporation<br>RIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                          |                                                                                                                                         |                                                                                         |                                                                                                  | Dril                                           | lhole R                                    | eport                                       |                                                    |                                                    |                                                    |                                              |                                              |                            | т0                         | 0-20   |                       |
|---------------|-----------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------|----------------------------|--------|-----------------------|
| Zone<br>Lengt | h (m)     | Springer<br>45.7                 |                                                                                                                                                                                                                                                                | Eastir<br>North<br>Eleva<br>Depth<br>0.0                                                                                                | ing<br>ing<br>tion<br>Az<br>0                                                           | 1818.<br>3198.<br>1126.<br><b>Dip</b><br>-90                                                     | 2<br>5<br>9<br><b>Surve</b><br>Head S          | <b>y Type</b><br>Set                       |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P<br>All w                              | on<br>ark<br>vet                                   |                                              |                                              |                            |                            |        |                       |
|               |           | <del></del>                      | Lithology                                                                                                                                                                                                                                                      |                                                                                                                                         |                                                                                         |                                                                                                  |                                                |                                            |                                             |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                            | Alte                       | eratio | n                     |
| From          | <u>To</u> | LITH                             | Description                                                                                                                                                                                                                                                    |                                                                                                                                         |                                                                                         |                                                                                                  |                                                | <u>From</u>                                | <u>To</u>                                   | Tag ID                                             | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | ΚÆ                         | <u>M</u>                   | сp     | рy                    |
| 15.1          | 15.9      | DYKE                             | Augite porphyry dyke;<br>feldspar-rich groundm<br>phenocrysts <1-2mm;<br>white plagioclase phe<br>groundmass; weakly a<br>selective K-alteration;<br><1/2mm, occasionally                                                                                      | medium<br>black su<br>black su<br>nocrysts<br>chloritic; 1<br><1% dis<br>striated.                                                      | blue-gi<br>black a<br>b-mm t<br><1-2mr<br>ocalize<br>semina                             | rey, fine-gi<br>lugite<br>biotite and<br>n; magnet<br>d weak ar<br>ted pyrite                    | rained<br>subtle<br>itic<br>id                 | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48557<br>48558<br>48559<br>48560<br>48561<br>48562 | 0.094<br>0.111<br>0.125<br>0.164<br>0.138<br>0.157 | 0.021<br>0.009<br>0.010<br>0.009<br>0.010<br>0.008 | 0.16<br>0.17<br>0.21<br>0.30<br>0.26<br>0.35 | 5.33<br>4.84<br>4.99<br>5.82<br>5.65<br>5.57 | 3<br>2<br>3<br>3<br>3<br>2 | 1<br>3<br>3<br>3<br>3<br>4 |        | 3<br>8<br>8<br>7<br>8 |
| 0.0           | 3.8       | OB                               | Overburden; larger ea<br>pervasive limonitic sta<br>plagioclase porphyry<br>wet from surface.<br>Strong potassic alter<br>abundant sericite - su<br>Weakly magnetitic -<br>oxidized.<br><3% partially oxidize<br>also disseminated an<br>As next unit, but wea | arthy frag<br>aining; int<br>(PPp); pir<br>ration ove<br>rface we<br>fine disse<br>difine disse<br>ed pyrite,<br>d blebby.<br>athered a | ments v<br>ermixee<br>ak, oran<br>erprinte<br>athering<br>eminate<br>usually<br>nd oxic | with mode<br>d monzoni<br>nge and gi<br>d with stai<br>g.<br>d crystals<br>in fracture<br>lized. | rate<br>te and<br>rey;<br>ning;<br>,<br>es but |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                            | 1      |                       |

|      |           | $\square$   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\square$   | [] |               | $\square$    | <u> </u> |                 |             | -1         | <b>[</b> ]  | <b>[</b> ] |
|------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|---------------|--------------|----------|-----------------|-------------|------------|-------------|------------|
|      |           |             | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |    |               |              | Assay    | / Results       |             |            | Alteratio   | on         |
| From | <u>To</u> | <u>LITH</u> | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>From</u> | To | <u>Tag ID</u> | <u>TCu %</u> | CuNS     | <u>% Au gpt</u> | <u>Fe %</u> | <u>к А</u> | <u>М</u> ср | рy         |
| 3.8  | 15.1      | PPp         | Monzonitic plagioclase porphyry; dominantly<br>equigranular but with enough plagioclase phenocrysts<br>1-2mm to consider this a porphyry; pink with black,<br>white and grey; excellent textures; fine biotite - weakly<br>sericitic/chloritic.<br>Strong selective to pervasive K-alteration - does not<br>affect plagioclase as strongly, if at all; minor chlorite<br>after biotite and in fractures; ubiquitous sericite; <10%<br>rock with moderate pervasive limonitic staining and/or<br>fractures.<br>Weakly to moderately magnetitic - ultra fine<br>(<1/4mm) disseminated crystals in similar<br>occurrences as biotite.<br><8% pyrite, fresh to weakly oxidized, in fractures, as<br>disseminated crystals and clots, as stringers and<br>rimming some plagioclase phenocrysts; occasionally<br>associated with magnetite; pyrite is likely part of<br>alteration assemblage and is not associated with<br>mineralization; no chalcopyrite.                                                                      |             |    |               |              |          |                 |             |            |             |            |
| 15.9 | 45.7      | ΡΡ          | Plagioclase porphyry (PPp to PPg) to equigranular<br>monzonite; pink-grey; faint pink hue in greyish rock;<br>50% rock with moderate to strong pink or orange hue<br>due to potassic alteration and limonitic staining;<br>excellent igneous textures; 50% of rocks are more<br>PPg-like.<br>Ubiquitous but variable K-alteration; while some<br>fragments (the greyer ones) show a very subtle, dusty<br>potassic alteration the rest show strong K-alteration<br>combined with less expansive green (epidote +<br>chlorite) propylitic alteration; propylitic minerals are<br>significantly more abundant than uphole; 5-10%<br>rocks with deep orange staining.<br>Increasingly magnetitic - fine disseminated crystals;<br>unwashed sample was strongly magnetic.<br><8% pyrite as stringers, clots, fractures - as above -<br>it's everywhere!; usually fresh but also weakly<br>oxidized locally; comprises >25% locally, often in the<br>most epidotic chips - part of alteration assemblage.<br>No copper minerals. |             |    |               |              |          |                 |             |            | 1           |            |

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|---------------|----------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------|-----------------------|-----------|------|
| Zone<br>Lengt | h (m)                | Springer<br>45.7                               |                                                                                                                                                                                                                                                                                           | Easti<br>Norti<br>Eleva<br>Depti<br>0.0                                                                       | ng<br>hing<br>htion<br>h Az                                                                                                | 1680.<br>3566.<br>1197.<br><b>Dip</b><br>-90                                                                         | 0<br>9<br>0<br><b>Surve</b><br>Head                | <b>y Type</b><br>Set                       |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>Y V.P<br>S                                 | con<br>ark                                         |                                              |                                              |                       |                       |           |      |
|               |                      |                                                | Lithology                                                                                                                                                                                                                                                                                 |                                                                                                               |                                                                                                                            |                                                                                                                      | *.*                                                |                                            |                                             |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                       | Alte                  | eration   |      |
| <u>From</u>   | <u>To</u>            | <u>LITH</u>                                    | Description                                                                                                                                                                                                                                                                               |                                                                                                               |                                                                                                                            |                                                                                                                      |                                                    | <u>From</u>                                | To                                          | <u>Tag ID</u>                                      | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au qpt</u>                                | <u>Fe %</u>                                  | ĸ                     | <u>A</u> <u>M</u>     | <u>ср</u> | ру   |
| 0.0           | 25.2                 | ΜZ                                             | Monzonite; fine-graine<br>occasional phyric feld<br>black speckles; excell<br>microscope,<br>Moderate K-alteratio<br>staining; occasional li<br>minor sericite; fine bio<br>and white powder loc-<br>contact.<br>Moderately magnetif<br>No visible sulfides.<br>Sharply into:             | ed (1mm<br>Ispar; me<br>Ient textu<br>monitic/I<br>otite alter<br>ally; silic<br>tic - fine                   | i) equigra<br>adium pir<br>ures are<br>pervasiv<br>nematitio<br>red to se<br>ified-lool<br>dissemin                        | anular wit<br>nk-grey w<br>visible wi<br>ze limoniti<br>fractures<br>ricite, chlo<br>king at lov<br>nated crys       | h<br>ith<br>c<br>c<br>;;<br>orite<br>ver<br>stals. | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48563<br>48564<br>48565<br>48566<br>48567<br>48568 | 0.031<br>0.051<br>0.078<br>0.063<br>0.051<br>0.131 | 0.016<br>0.024<br>0.048<br>0.024<br>0.028<br>0.058 | 0.06<br>0.19<br>0.10<br>0.06<br>0.04<br>0.06 | 4.38<br>5.05<br>5.33<br>4.35<br>4.27<br>5.13 | 3<br>3<br>5<br>5<br>3 | 2<br>2<br>1<br>3<br>4 | mal, t    | r tr |
| 25.2          | 38.9                 | P₽p                                            | Plagioclase porphyry<br>breccia; deep salmon<br>(biotite and magnetite<br>phenocrysts <1-2mm<br>of interval; fairly unifo<br>Intense pervasive K<br>textures; plagioclase<br>altered, are weakly po<br>sericite; rare chlorite.<br>Moderately magnetit<br><1/4mm.<br>No visible sulfides. | monzon<br>-pink wil<br>) and wil<br>; phyric t<br>rm appe<br>-alteratic<br>phenocr<br>otassic t<br>tic - diss | ite dyke<br>ih fine bl<br>nite plag<br>exture ir<br>arance t<br>arance t<br>on - destr<br>ysts, we<br>y 30.5 m<br>eminated | or possib<br>ack speci-<br>ioclase<br>nproves tr<br>hroughou<br>roys origin<br>akly clay<br>n; minor s<br>d crystals | le<br>des<br>c end<br>t.<br>nal<br>urface          |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                       |                       | I         |      |

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|------|-----------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------|------------|---------------|--------------|---------------|---------------|-------------|------------|-------------|----|
|      |           |             | Lith                                                                                                                                                              | ology                                                                                                                                                     |                                                                                                                                                  |                                                                                                                                            |                                                                                                                        |                                                |      |            |               |              | Assay R       | esults        |             |            | Alteration  | ו  |
| From | <u>To</u> | <u>LITH</u> | Descriptio                                                                                                                                                        | <u>n</u>                                                                                                                                                  |                                                                                                                                                  |                                                                                                                                            |                                                                                                                        |                                                | From | <u>To</u>  | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS %</u> | <u>Au gpt</u> | <u>Fe %</u> | <u>K</u> A | <u>М</u> ср | РY |
| 38.9 | 45.7      | ΜZ          | Monzonite,<br><40% with<br>m, but equ<br>with moder<br>selective -<br>abundant l<br>luster; goo<br>Strongly r<br>occasional<br>One chip<br>hematite o<br>Upper co | , as 0.0 -<br>intense j<br>igranular<br>rate K-alt<br>creates j<br>eafy biot<br>d texture<br>magnetiti<br>hematiti<br>with mal<br>n fracture<br>ntact mig | 25.2 m; r<br>potassic :<br>(as well<br>eration>p<br>bink, gree<br>ite, less a<br>s.<br>c - fine d<br>c fracture<br>achite an<br>e.<br>jht not be | mixed pink<br>alteration a<br>as phyric)<br>oropylitic a<br>en and cre<br>altered; ex-<br>isseminate<br>es.<br>id fresh ch<br>e very disti | and grey<br>as 25.2 - 3<br>; remainin<br>Iteration -<br>am mottlir<br>cellent pea<br>ed crystals<br>alcopyrite<br>nct. | ;<br>88.9<br>g rock<br>ag;<br>arly<br>;;<br>on |      |            |               |              |               |               |             |            |             |    |

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|               | A D       | ount Poliey M<br>IVISION OF IMPE | lining Corporation<br>RIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                         |                                                                                                                               |                                                                                  |                                                                                                                      | Dri                                   | llhole R                                   | eport                                       |                                                    |                                                    |                                                    |                                              |                                              |                       | т0                    | 0-22      |    |
|---------------|-----------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------|-----------------------|-----------|----|
| Zone<br>Lengt |           | Springer<br>45.7                 |                                                                                                                                                                                                                                                                                                               | Easti<br>North<br>Eleva<br>Dept                                                                                               | ng<br>ning<br>Ition<br>h Az<br>0                                                 | 1691.<br>3543.<br>1198.<br><b>Dip</b><br>-90                                                                         | 4<br>6<br>8<br><b>Surve</b><br>Head   | ey Type<br>Set                             |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V.P                                        | zon<br>ark                                         |                                              |                                              | -                     |                       |           |    |
|               |           |                                  | Lithology                                                                                                                                                                                                                                                                                                     |                                                                                                                               |                                                                                  |                                                                                                                      |                                       |                                            |                                             |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                       | Alt                   | eratior   |    |
| <u>From</u>   | <u>To</u> | <u>LITH</u>                      | Description                                                                                                                                                                                                                                                                                                   |                                                                                                                               |                                                                                  |                                                                                                                      |                                       | From                                       | <u>To</u>                                   | <u>Tag ID</u>                                      | <u>TCu %</u>                                       | CuNS %                                             | <u>Au gpt</u>                                | <u>Fe %</u>                                  | ĸ                     | <u>A</u> M            | <u>ср</u> | ру |
| 0.0           | 22.9      | ΜZ                               | Monzonite, as T00-21<br>black and cream spec<br>textures; abundant fla<br>to sericite and/or chlo<br>Moderate to very str<br>alteration; very, very v<br>occurring in potassic<br>staining (potassic alte<br>staining) near contact<br>Strongly magnetitic<br>oxidized in fractures r<br>No visible sulfides. | 0.0 - 2<br>ckles; ex<br>iky black<br>rite.<br>ong perv<br>weak pro<br>rocks; de<br>ration w<br>ts.<br>- fine dis<br>near surf | 5.2 m;<br>cellent<br>biotite<br>poplitic<br>seper s<br>ith hen<br>semina<br>ace. | medium pin<br>equigranul<br>e - variable a<br>potassic<br>alteration<br>salmon-pink<br>natite/limon<br>ated crystal: | k with<br>ar<br>altered<br>ite<br>s - | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 49161<br>49162<br>49163<br>49164<br>49165<br>49166 | 0.096<br>0.036<br>0.036<br>0.125<br>0.041<br>0.024 | 0.065<br>0.013<br>0.020<br>0.094<br>0.026<br>0.013 | 0.07<br>0.03<br>0.03<br>0.20<br>0.05<br>0.02 | 4.53<br>4.84<br>4.37<br>4.66<br>5.43<br>6.17 | 3<br>3<br>4<br>3<br>1 | 3<br>3<br>4<br>4<br>5 | mal       |    |
| 22.9          | 24.8      | ΡРр                              | Plagioclase porphyry<br>deep salmon-pink wit<br>phenocrysts; uniform<br>Intense pervasive K<br>sericitic dusting - stro<br>Disseminated magn<br>magnetitic.<br>Trace malachite on                                                                                                                             | dyke, as<br>h occasi<br>and alm<br>alteration<br>nger in s<br>etite <1/                                                       | s T00-2<br>onal wi<br>ost tex<br>on; mos<br>some fr<br>4mm, c<br>nal frac        | 21 25.2 - 38<br>hite plagioc<br>tureless.<br>st surfaces<br>ractures.<br>occasionally                                | 3.9 m:<br>lase<br>with                |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                       |                       | ١         |    |
| 24.8          | 34.3      | MZ                               | Monzonite, as 0.0 - 2<br>k-spar and epidote al<br>textures; faintly grain<br>bright green mineral (<br>abundant and larger a<br>Strongly magnetitic;                                                                                                                                                          | 2.9 m; al<br>teration<br>y; some<br>(roscolite<br>augite.<br>not visit                                                        | bundar<br>occur t<br>feldspa<br>9?); slig<br>bly mine                            | nt biotite; we<br>together; ex<br>ar altering te<br>ghtly more<br>eralized.                                          | eaker<br>cellent                      |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                       |                       |           |    |

|              |           |             |                                                                                                                                                                             |                                                                                                            |                                                                                                              | $\square$                                                                                          |                           |      |           | $\square$     |              |               |                 |             |                 |             |          |
|--------------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------|------|-----------|---------------|--------------|---------------|-----------------|-------------|-----------------|-------------|----------|
|              |           |             | Lithology                                                                                                                                                                   | ,                                                                                                          |                                                                                                              |                                                                                                    |                           |      |           |               |              | Assay         | Results         |             |                 | Alteratio   | <b>n</b> |
| F <u>rom</u> | <u>To</u> | <u>LITH</u> | Description                                                                                                                                                                 |                                                                                                            |                                                                                                              |                                                                                                    |                           | From | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS 9</u> | <u>% Au api</u> | <u>Fe %</u> | <u><u> </u></u> | <u>м ср</u> | рy       |
| 34.3         | 45.7      | DYKE        | Augite porphyry d<br>feldspar-rich grou<br>phenocrysts <2mr<br>magnetitic; subtle<br>stronger purple co<br>magnetite) in grou<br>augite crystals; pi<br>ubiquitous sericite | yke; dark<br>ndmass w<br>m; locally :<br>greenish<br>plour due f<br>undmass;<br>nk splotch<br>e; not visit | green-pur<br>vith black a<br>aphanitic;<br>hue due to<br>hematit<br>hernatite a<br>nes of pota<br>ole minera | ple fine-gi<br>and green<br>strongly<br>o chlorite;<br>e (after<br>also coats<br>issium;<br>lized. | rained,<br>augite<br>some |      |           |               |              |               |                 |             |                 |             |          |

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|----------------|-----------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------|----------------------------|----|
| Zone<br>Lengti | ı (m)     | Springer<br>45.7               |                                                                                                                                                                                                                                                | Easti<br>Norti<br>Eleva<br>Dept                                                                     | ing<br>ning<br>ation<br>h Az<br>0                                                             | 1672<br>3602<br>1197<br><b>Dip</b><br>-90                                                                          | .5<br>.1<br>.8<br>Surve<br>Head          | e <b>y Type</b><br>Set                     |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P                                       | on<br>ark                                          |                                              |                                              |                            |                            |    |
|                |           |                                | Lithology                                                                                                                                                                                                                                      |                                                                                                     |                                                                                               |                                                                                                                    |                                          |                                            |                                             |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                            | Alteratic                  |    |
| From           | <u>To</u> | <u>LITH</u>                    | Description                                                                                                                                                                                                                                    |                                                                                                     |                                                                                               |                                                                                                                    |                                          | <u>From</u>                                | <u>To</u>                                   | <u>Tag ID</u>                                      | <u>TCu %</u>                                       | CuNS %                                             | <u>Au apt</u>                                | <u>Fe %</u>                                  | <u>K</u> /                 | <u>ч М</u> ср              | рy |
| 0.0 .          | 11.4      | ΜZ                             | Monzonite, as in T00-<br>with black speckles; e<br>textures; abundant bid<br>feldspar altered to brid<br>Very strong potassic<br>specks and fractures<br>limonitic staining; occ<br>fractures.<br>Abundant (>5%) fine<br>Not visibly mineraliz | 21 and<br>excellent<br>otite, va:<br>ght gree<br>alterati<br>of epido<br>asional<br>e dissem<br>ed. | T00-22;<br>t equigra<br>riably al<br>n miner<br>on comi<br>te; mine<br>limonitio<br>ninated i | ; medium p<br>anular igne<br>tered; occ<br>ral - roscol<br>bined with<br>or sericite;<br>c/hematitic<br>magnetite. | oink<br>eous<br>asional<br>ite?.<br>weak | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 49167<br>49168<br>49169<br>49170<br>49171<br>49172 | 0.059<br>0.041<br>0.058<br>0.035<br>0.041<br>0.054 | 0.028<br>0.024<br>0.034<br>0.014<br>0.016<br>0.029 | 0.08<br>0.05<br>0.08<br>0.06<br>0.03<br>0.06 | 5.42<br>5.08<br>4.91<br>2.64<br>6.11<br>4.68 | 4<br>2<br>4<br>5<br>2<br>3 | 5<br>5<br>4<br>1<br>4<br>4 |    |
| 11.4           | 15.3      | DYKE                           | Augite porphyry dyke<br>aphanitic to fine-grain<br>augite phenocrysts <<br>chloritization; more of<br>hematite after magne<br>selective K-alteration<br>crystals; not visibly m                                                                | ; dark gi<br>ied mag<br>1mm; fa<br>ovious r<br>tite; very<br>; hemati<br>ineralize                  | rey to pr<br>netitic g<br>int gree<br>eddish f<br>y, very f<br>te also<br>ed.                 | urple-gree<br>proundmas<br>nish hue c<br>nue due to<br>ocalized<br>coats augi                                      | n;<br>ss;<br>lue to<br>te                |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                            |    |
| 15.3           | 24.8      | MZ                             | Monzonite, as 0.0 - 1<br>alteration; increased<br>not sulfidic; epidotic f                                                                                                                                                                     | 1,4 m bi<br>sericite;<br>ractures                                                                   | ut with s<br>strongi                                                                          | strong K-<br>y magnetit                                                                                            | tic and                                  |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            | l                          |    |
| 24.8           | 36.6      | ₽₽р                            | Plagioclase porphyry<br>and T00-22 22.9 - 24<br>homogenous appear<br>plagioclase preserve<br>Intense K-alteration<br><1% disseminated r<br>No visible sulfides.                                                                                | dyke, a<br>4.8 m; d<br>ance wif<br>d; <2% ⊧<br>; minor s<br>magnetit                                | s T00-2<br>ark saln<br>h only r<br>mafic m<br>sericite.<br>se.                                | 21 25.2 - 3<br>non-pink; t<br>are phyric<br>inerals.                                                               | 39.8 m<br>uniform                        |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                            |    |

|             |      |             |                                                                                                                                                                                                                      |                                                                                               |                                                                                  | $\square$               |      | $\square$ | $\square$     |              |                      |                                          |               |    |                             |         |
|-------------|------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------|------|-----------|---------------|--------------|----------------------|------------------------------------------|---------------|----|-----------------------------|---------|
| <u>From</u> | To   | <u>LITH</u> | Lithology<br>Description                                                                                                                                                                                             |                                                                                               |                                                                                  |                         | From | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | Assay<br><u>CuNS</u> | <mark>r Results</mark><br><u>% Au gp</u> | <u>t Fe %</u> | ΚĮ | Alteration<br><u>A M</u> cp | n<br>py |
| 36,6        | 45.7 | MZ          | Monzonite, as 0.0 - 11.<br>grey with black and cre<br>excellent igneous textu<br>grained biotite; increase<br>Strong pervasive to se<br>propylitic also; grungier<br>Strongly magnetitic.<br>No visible mineralizati | m and 15.3<br>am; rare phyr<br>es; abundan<br>d colour inde<br>lective K-alte<br>looking than | - 24.8 m; pi<br>ic plagioclas<br>t crappy fine<br>ex.<br>eration; weal<br>above. | nk-<br>se;<br>>-<br>kly |      |           |               |              |                      |                                          |               |    |                             |         |

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|----------------|---------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------|-----------|-------|
| Zone<br>Length | ı (m)                           | Springer<br>45.7                |                                                                                                                                                                                                                                                                                                                                                                                                          | Eastin<br>North<br>Eleva<br>Depth<br>0.0                                                                                                                                                | ng<br>ing<br>tion<br>Az                                                                                                                                  | 1656.7<br>3624.9<br>1199.1<br><b>Dip</b><br>-90                                                                                                                                                   | 7<br>1<br>Surve<br>Head 3                                | y Type<br>Set                              |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P                                       | on<br>ark                                          |                                              |                                              |                                              |                                 |           |       |
|                |                                 |                                 | Lithology                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                         |                                                                                                                                                          |                                                                                                                                                                                                   |                                                          |                                            |                                             |                                                    |                                                    | Assav R                                            | esults                                       |                                              | <u>,                                    </u> | Alte                            | ratio     | <br>n |
| From           | <u>To</u>                       | <u>LITH</u>                     | Description                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                         |                                                                                                                                                          |                                                                                                                                                                                                   |                                                          | <u>From</u>                                | <u>To</u>                                   | Tag ID                                             | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | <u>K A</u>                                   | M                               | <u>ср</u> | ру    |
| 0.0            | 13.3                            | BX                              | Breccia; plagioclase p<br>salmon-pink; uniform<br>original igneous textur<br>breccia texture indica<br>filled cracks and rare<br>chloritic material; blac<br>rock a tiger-stripe app<br>Intense pervasive po<br>original mineralogy ar<br>and/or magnetite in m<br>cement?); minor spott<br>fractures.<br>Very strongly magnet<br>to form stockwork/bre<br>disseminated crystals<br>No visible copper mi | erphyry<br>hornoger<br>res are b<br>ted by ep<br>sub-mm<br>k/green s<br>bearance:<br>otassic al<br>detexture<br>any fract<br>y manga<br>etitic - ma<br>ccia cem<br>; occasic<br>nerals. | monzor<br>lous ap<br>arely di<br>idote- ;<br>chips o<br>stockwo<br>pearly<br>teratior<br>es; crys<br>ures (=<br>nese o<br>gnetite<br>ent; als<br>nally h | nite; deep<br>ipearance;<br>iscernible;<br>and magne<br>f soft green<br>ork/breccia<br>f uster.<br>- destroys<br>talline epic<br>breccia<br>xide on sof<br>in stringer<br>so as fine<br>ematitic. | micro-<br>tite-<br>gives<br>all<br>lote<br>me<br>s/clots | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 49173<br>49174<br>49175<br>48582<br>48583<br>48583 | 0.141<br>0.213<br>0.142<br>0.199<br>0.101<br>0.064 | 0.095<br>0.146<br>0.094<br>0.128<br>0.046<br>0.020 | 0.19<br>0.28<br>0.12<br>0.20<br>0.18<br>0.13 | 4.43<br>5.57<br>5.27<br>5.92<br>4.80<br>4.58 | 5<br>4<br>3<br>3<br>3<br>3                   | 4<br>4<br>5<br>5<br>5<br>5<br>5 | tr        |       |

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|------|-----------|-----|----------|-----|--------|-------|------|---|---|---|---|---|---|---|---|-----|----|-----------|---|-----|-----------|---|-------------|----------|------|------|-------------|------------|------|------------|-------------------|-------------|-----|----|
|      |           |     |          |     | L      | ithol | loav |   |   |   |   |   |   |   |   |     |    |           |   |     |           |   |             |          | ١ssa | y Re | sult        | 5          |      |            | Al                | terati      | ion |    |
| From | <u>To</u> | LIT | <u>н</u> | Des | script | tion  | ~9J  |   |   |   |   |   |   |   |   | Fre | om | <u>To</u> |   | Тас | <u>iD</u> | T | <u>Cu %</u> | <u>6</u> | uNS  | %    | <u>Au c</u> | <u>ipt</u> | Fe % | <u>6 K</u> | <u>A</u> <u>N</u> | <u>Л ср</u> |     | рy |

MZ Monzonite with local PPp; dominantly equigranular with strongly plagioclase phyric sections; is probably breccia but there aren't any obvious clues; speckly pink, green, grey and black; fine-grained - <1-2mm; excellent igneous textures; abundant biotite decreases to end of hole.

> Selective to pervasive K-alteration occurs with propylitic alteration to 30.5 m where it becomes strongly dominant - creates pink, green, cream mottling; biotite is increasingly sericitic.

Strongly magnetitic - fine (<1/4mm) disseminated crystals and occasional clots and stringers - intensifies with depth.

No visible copper minerals or other sulfides except for trace chalcopyrite in magnetite after 38.1 m.

13.3 - 30.5 m: lighter greenish-orange pink; weak to moderate pervasive limonitic staining; increased propylitic alteration compared to below; <5% very localized silicification; one chip of augite porphyry dyke.

30.5 - 45.7 m: more strongly phyric; white, partially clay altered plagioclase <1-2mm; stronger Kalteration; sub-mm micro stockwork - feldspar (plagioclase?) - very localized; trace ultra fine (<<1/4mm) chalcopyrite flecks in magnetite clots in rare silicified-looking fragments.

45.7

13.3

| S.             | , Ма<br>Ай<br>З Ма | Sunt Polley N<br>IVISION OF IMPE<br>Dunt Polley | Mining Corporation<br>ERIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                       |                                                                                                                            |                                                                                                     |                                                                                                                  | Dri                                                                 | llhole R                                   | eport                                       |                                                    |                                                    |                                                    |                                              |                                              |                            | т0                         | 0-25      |    |
|----------------|--------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------|----------------------------|-----------|----|
| Zone<br>Lengti | h (m)              | Springer<br>45.7                                |                                                                                                                                                                                                                                                              | Easti<br>Nortf<br>Eleva<br>Dept                                                                                            | ing<br>ning<br>ation<br>h Az<br>0                                                                   | 1604.<br>3679.<br>1196.<br><b>Dip</b><br>-90                                                                     | 8<br>7<br>2<br><b>Surve</b><br>Head                                 | ey Type<br>Set                             |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P<br>; Wet                              | ark<br>to 30.5 m                                   |                                              |                                              |                            |                            |           |    |
|                |                    |                                                 | Lithology                                                                                                                                                                                                                                                    |                                                                                                                            |                                                                                                     |                                                                                                                  |                                                                     | <u> </u>                                   | <u> </u>                                    |                                                    |                                                    | Assay R                                            | esults                                       |                                              |                            | Alt                        | eratio    | n. |
| From           | <u>To</u>          | LITH                                            | Description                                                                                                                                                                                                                                                  |                                                                                                                            |                                                                                                     |                                                                                                                  |                                                                     | From                                       | <u>To</u>                                   | <u>Tag ID</u>                                      | <u>TCu %</u>                                       | <u>ÇuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | ĸ                          | <u>A</u> <u>M</u>          | <u>CD</u> | ру |
| 0.0            | 3.8                | BX                                              | Breccia, after plagioc<br>much as T00-24 0.0<br>to intense K-alteratior<br>hematitic staining) wit<br>of sub-mm magnetite<br>also disseminated; m<br>no visible sulfides or e                                                                                | lase porj<br>- 13.3 m<br>i combin<br>h black<br>stringer<br>ost origii<br>copper o                                         | ohyry ma<br>; deep s<br>les with<br>micro st<br>s/veinlet<br>nal textu<br>ixides; w                 | onzonite (<br>almon-pin<br>pervasive<br>ockwork/b<br>is; magnet<br>ires destro<br>vet to 30.5                    | PPp) -<br>k (due<br>reccia<br>ite is<br>bycd;<br>m.                 | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38,1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48976<br>48977<br>48978<br>48979<br>48980<br>48981 | 0.099<br>0.084<br>0.102<br>0.040<br>0.175<br>0.179 | 0.045<br>0.039<br>0.054<br>0.016<br>0.137<br>0.118 | 0.11<br>0.04<br>0.05<br>0.02<br>0.35<br>0.23 | 5.58<br>5.88<br>5.81<br>5.92<br>4.41<br>5.08 | 4<br>3<br>2<br>1<br>3<br>2 | 5<br>5<br>5<br>5<br>5<br>5 |           |    |
| 3.8            | 22.8               | MZ                                              | Monzonite, tending to<br>well preserved fine-gr<br>pink-grey grading into<br>limonitic staining to 2:<br>alteration combined v<br>creates ugly, weird gr<br>limonite/hematite afte<br>Abundant fine disse<br>frequently oxidized or<br>No visible mineralize | ward dia<br>rained ea<br>o grey; m<br>2.8 m - v<br>vith lessa<br>reen-pinl<br>r all sort<br>minated<br>n surface<br>ation. | prite nea<br>guigranu<br>loderate<br>very wea<br>er propy<br>k-orange<br>s of Fe-<br>and ble<br>es. | ar end of ir<br>lar texture<br>pervasive<br>k after; sti<br>litic alteral<br>prock; spo<br>bearing m<br>bby magn | iterval;<br>es;<br>rong K-<br>tion -<br>otty<br>inerals.<br>etite - | ,                                          |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                            |           |    |
| 22.8           | 23.0               | DYKE                                            | Augite porphyry dyke<br>feldspar-rich groundn<br>augite phenocrysts <<br>crystals <1mm; occas<br>strongly magnetitic; n                                                                                                                                      | ; dark gr<br>nass with<br>1 <i>mm and</i><br>sional su<br>ot miner                                                         | ey; silici<br>n uncrov<br>d very si<br>b-mm ci<br>alized.                                           | ified-lookir<br>vded black<br>ubtle plagi<br>alcite vein                                                         | ng,<br>c<br>oclase<br>lets;                                         |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                            | ş         |    |
| 23.0           | 32.0               | MZ                                              | Monzonite, as 3.8 - 2<br>decreased potassic a<br>propylitic alteration; g<br>orange staining; decr<br>sericite; strongly mag<br>crystals; no visible mi                                                                                                      | 2.8 m bL<br>Iteration<br>reenish<br>easing g<br>netitic -<br>ineraliza                                                     | it with si<br>and sul<br>with we<br>grain size<br>fine diss<br>tion; mo                             | ignificantly<br>btly enhan<br>ak to mod<br>e; increas<br>seminated<br>re dioritic.                               | ,<br>ces<br>erate<br>ed                                             |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                            |           |    |

|      |           |             |                                                                                                                                                                                                                                                                                                                      |                                                                                                                                       |                                                                                                                        | $\square$                             |      |           |               | []           |               |               |             | ר          |             |    |
|------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------|-----------|---------------|--------------|---------------|---------------|-------------|------------|-------------|----|
|      |           |             | Lithology                                                                                                                                                                                                                                                                                                            |                                                                                                                                       |                                                                                                                        |                                       |      |           |               |              | Assay F       | Results       |             |            | Alteratio   | on |
| From | <u>To</u> | <u>LITH</u> | Description                                                                                                                                                                                                                                                                                                          |                                                                                                                                       |                                                                                                                        |                                       | From | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS %</u> | <u>Au gpt</u> | <u>Fe %</u> | <u>К</u> А | <u>М</u> ср | pγ |
| 32.0 | 45.7      | ВХ          | Breccia?; mixed lithology an<br>grained dioritic rock as 23.0<br>spar/epidote altered monzor<br>intensely K-altered, dark sal<br>porphyry as 0.0 - 3.8 m; type<br>alteration varies from chip to<br>veinlets; strongly magnetitic<br>and blebs; no visible minera<br>mucked-up than adjacent un<br>coarse fragments. | Id alteratio<br>- 32.0 m a<br>hite as 3.8<br>mon-pink (<br>e and inter<br>c chip; rare<br>- dissemin<br>alization; lo<br>hit; poor re | n; 70% fir<br>and 30% k<br>- 22.8 m a<br>plagioclas<br>nsity of<br>e cloudy q<br>nated crys<br>poks more<br>ecovery of | ie-<br>-<br>and<br>e<br>uartz<br>tals |      |           |               |              |               |               |             |            |             |    |

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|               | . Mo<br>AD | Dunt Polley N<br>NVISION OF IMPE<br>Dunt Polley | tining Corporation<br>RIAL METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dril                                                                                                                                                                                                | lhoie R                                    | eport                                       |                                                    |                                                    |                                                    |                                              |                                              |                       | Т0                              | 0-26                                      |      |
|---------------|------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------|---------------------------------|-------------------------------------------|------|
| Zone<br>Lengt | h (m)      | Springer<br>45.7                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Easting<br>Northing<br>Elevation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1581<br>3699<br>1191                                                                                                                                                                                                                                                                                                                                                                                                                                                            | .3<br>.5<br>.1                                                                                                                                                                                      |                                            |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P                                       | con<br>lark                                        |                                              |                                              |                       |                                 |                                           |      |
|               |            |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Depth A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | z Dip                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Surve                                                                                                                                                                                               | у Туре                                     |                                             |                                                    |                                                    |                                                    |                                              |                                              |                       |                                 |                                           |      |
|               | r          |                                                 | ··· <b>-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -90                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Head                                                                                                                                                                                                | Set                                        |                                             |                                                    |                                                    |                                                    |                                              |                                              |                       |                                 |                                           |      |
|               |            |                                                 | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                     |                                            |                                             |                                                    |                                                    | Assay R                                            | lesuits                                      |                                              |                       | Ait                             | eration                                   |      |
| <u>From</u>   | <u>To</u>  | <u>LITH</u>                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                     | <u>From</u>                                | <u>To</u>                                   | <u>Taq ID</u>                                      | <u>TCu %</u>                                       | <u>CuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | K                     | <u>A</u> <u>M</u>               | <u>cp</u>                                 | ру   |
| 0.0           | 23.0       | BX                                              | Breccia; dark dusty pr<br>3.8 m; monzonitic; do<br>phyric feldspar; igneo<br>strongly blurred due to<br>persists to end of hole<br>biotite - decent flakes<br>alteration from chip to<br>Very strong pervasiv<br>weak and localized all<br>persists throughout.<br>Intense K-alteration<br>of hole; usually perva<br>limonitic staining it cro-<br>pink colouration.<br><20% rocks with stru-<br>widespread to end of<br>strongly associated w<br>sericitization near top<br>increased silica - sho<br>chip surfaces - is this<br>Minor epidote>chlor<br>spotty manganese ox<br>Very strongly magne<br>in silica invades grou<br>blebs and stringers; g<br><1/4mm; as sub-mm<br>breccia/stockwork in -<br>rock to 3.8 m; occasic<br>associated with mala-<br>in fractures; <2% sub<br>chips, occasionally w<br><1% malachite on se<br>magnetite, silica, incr | urple/pink-gre<br>minantly equi<br>us textures a<br>o alterations;<br>e; abundant a<br>by 15.2 m; a<br>o chips/sample<br>re limonitic sta<br>fter; oxidation<br>decreases to<br>sive; when co<br>eates deep or<br>ong silicification<br>interval; secco<br>rith magnetite<br>of hole steac<br>w a as greyis<br>some kind of<br>ite at center of<br>side throughou<br>eitid; ultra fine<br>ndmass and fi<br>good dissemin<br>stringers/micro<br>orange staine<br>conally oxidize<br>chite and cha<br>i-cm massive<br>ith malachite.<br>everal fracture<br>eased K-alter | y; dark orar<br>granular witt<br>re discernible<br>weathering<br>latered fine-g<br>lot of variable<br>a to sample;<br>aining to 3.8<br>in fractures<br>moderate b<br>bombined with<br>ange to salr<br>on; become:<br>ondary quart<br>; moderate<br>lily increase<br>h dusting on<br>phyllic zone<br>f interval; ra<br>ut.<br>e crystals, u<br>ractures - ca<br>inated crystal<br>o<br>d, intensely<br>d; closely<br>lcopyrite, es<br>magnetite-s<br>es, occurring<br>ration etc | ige to<br>h rare<br>e but<br>rained<br>ility in<br>all dry.<br>m -<br>y end<br>n<br>non-<br>s more<br>z is<br>s with<br>most<br>e?<br>ire clay;<br>sually<br>auses<br>s<br>altered<br>ilica<br>with | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48982<br>48983<br>48984<br>48985<br>48986<br>48987 | 1.074<br>0.693<br>0.473<br>0.464<br>0.263<br>0.249 | 0.946<br>0.546<br>0.392<br>0.288<br>0.135<br>0.104 | 1.03<br>0.85<br>0.35<br>0.58<br>0.14<br>0.18 | 5.38<br>5.53<br>6.61<br>6.26<br>5.54<br>7.67 | 4<br>3<br>1<br>1<br>1 | 2<br>4<br>5<br>5<br>5<br>5<br>5 | mal, tr<br>mai, tr<br>mai, tr<br>tr<br>tr | · tr |

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| · .  |           | $\square$ |                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |             |           |               | <b></b>      |               |               |             | <b></b> |                    |    |
|------|-----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|---------------|--------------|---------------|---------------|-------------|---------|--------------------|----|
|      |           |           | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |             |           |               |              | Assay R       | esults        |             |         | Alterati           | on |
| From | <u>To</u> | LITH      | Description<br>widespread; trace ch<br>subtle, seen as fleck<br>higher concentration<br>looking.<br>0.0 - 3.8 m: intense<br>orange/salmon-pink;<br>preserved; black spe<br>stockwork/breccia lo<br>silicified locally - the<br>magnetitic and mala-<br>are common; moder<br>occurs below.<br>3.8 - 23.0 m: dusty<br>but increasingly silic<br>content decreases a<br>chalcopyrite is seen<br>magnetite - more pe<br>Rather transitional | halcopyrite, very,<br>s in magnetite bla<br>s on si-mt fractur<br>oxidation with st<br>original textures<br>eckling and streat<br>cally) by magneti<br>se chips are glas.<br>chitic; hematite di<br>ate soricite; <10%<br>pink-grey; better<br>ified and sericitic<br>and very fine and<br>in si-mt fractures<br>rvasive.<br>into:     | very fine and<br>lebs and in<br>res; fairly yummy-<br>taining; dark<br>are barely<br>king (to create<br>ite; strongly<br>sy; more<br>lots and fractures<br>% of similar rock<br>; malachite<br>subtle<br>s; increased                     | <u>From</u> | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS %</u> | <u>Au gpt</u> | <u>Fe %</u> | ΚA      | <u>M</u> <u>cp</u> | ĐΫ |
| 23.0 | 45.7      | BX        | Breccia; monzonite f<br>macroscopic dusty g<br>grey; <10% dark pin<br>23.0 m, especially 0<br>stronger pervasive s<br>Weak to moderate,<br>alteration to 38.1 m;<br>after; 10% chips with<br>Very strong silica a<br>with dusty grey and<br>although good, are of<br>Minor oxidation per<br>Trace ultra fine (<                                                                                                                         | to diorite with min<br>grey; up close its<br>k or orange fragm<br>.0 - 3.8 m; as abo<br>illicification and ir<br>, selective to perv<br>weak propylitic a<br>n intense potassio<br>and sericite; most<br>sericite and origin<br>overprinted with s<br>rsists; manganese<br>:1/10mm) chalcop<br>gnetite; trace mala<br>poking interval. | nor PPp;<br>more a pink-<br>ments as 0.0 -<br>ove but with<br>ntense magnetite.<br>vasive K-<br>alteration added<br>c alteration.<br>t surfaces coated<br>nal textures,<br>silica.<br>se oxide.<br>pyrite in silica<br>achite in oxidized | ·           |           |               |              |               |               |             |         | ŀ                  |    |

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|----------------|------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------|-----------------------|----------------------------------------|-------|
| Zone<br>Lengti | ר (m)            | Springer<br>45.7                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Easti<br>Norti<br>Eleva<br>Dept                                                                                                                                                                                                                                                                                              | ing<br>ning<br>ation<br>h Az                                                                                                                                                                                                                                                                                                           | 1548.<br>3722.<br>1186.<br>Dip                                                                                                                                                                                                                                                                                                                                                                   | 2<br>2<br>1<br><b>Surv</b>                                                                                                                                                                    | еу Туре                                    |                                             | Drilled By<br>Logged By<br>Comments                | Terc<br>V. P<br>; Wet                              | on<br>ark<br>from 22.9 m                           |                                              |                                              |                            |                       |                                        |       |
|                |                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.0                                                                                                                                                                                                                                                                                                                          | 0                                                                                                                                                                                                                                                                                                                                      | -90                                                                                                                                                                                                                                                                                                                                                                                              | Head                                                                                                                                                                                          | Set                                        |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                       |                                        |       |
| -              | -                |                                  | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                               | -                                          | ~                                           | <b>T</b> 15                                        | <b>TO:</b> 0(                                      | Assay R                                            | esults                                       | <b>F</b> • 0/                                | v                          | Alt                   | eration                                | ۱<br> |
| 0.0            | 29.0             | BX                               | Breccia; correlates with<br>orange to salmon-pini-<br>plagioclase porphyry (<br>to end of interval; stro<br>8.0 m; wet from 22.9 m<br>Intense pervasive por<br>porphyritic rock - crea<br>rare mafic minerals; we<br>and spotty manganes<br>disseminated, hematil<br>slightly more selective<br>a brown-pink to green<br>luster.<br>Ubiquitous sericite, s<br>where it replaces both<br>and manganese oxide<br>stained to cloudy, rou<br>fragments <1cm.<br>Very strongly magne<br>crystals, as sub-mm s<br>sets), as blebs; rare c<br>(with silica); occasion,<br>decreasingly common<br>Very rare, tiny speck<br>7.6 m; very, very subt<br>chalcopyrite occurs in<br>magnetite (often in se<br>disseminations - not v<br>0.0 - 8.0 m: earthy s<br>overburden/weathere<br>fragments with weak<br>selvages; abundant m<br>specks; intense limon | th T00-2<br>(; interm<br>(PPp); iq<br>ngest w<br>n<br>stassic a<br>tes unific<br>ery rare<br>e oxide<br>is mon<br>ish-pink<br>stronger<br>hips are<br>ally alte<br>tringers<br>hips are<br>ally alte<br>s of ma<br>le, ultra<br>fracture<br>condary<br>risibly co<br>oil/silt of<br>d bedro<br>orange<br>mangane<br>itic/hem | 26 0.0 -<br>iixed mo<br>gneous 1<br>eatherin<br>ilteration<br>plagioci<br>and fine<br>hetite <1<br>zonitic p<br>in non-g<br>and feld<br>ny fractu<br>angular<br>curs as a<br>(occasi<br>comple<br>red to he<br>lachite of<br>fine (<<<br>es and b<br>/ quartz)<br>ommon.<br>n surfac<br>ck; <5%<br>staining<br>ese oxide<br>atitic sta | 230 m; d<br>onzonite ar<br>textures in<br>ng/oxidatio<br>h, especial<br>king unit w<br>lase phend<br>-grained<br>/4mm; k-s<br>phase which<br>is to pearly<br>phyric rock<br>ispar; hem<br>ures; orang<br>quartz ve<br>dissemina<br>onally par-<br>etely magn<br>ematite -<br>on fracture<br>(1/10mm)<br>olebs of<br>) and as de<br>es =<br>quartz ve<br>and/or lim<br>e and hem<br>aining; trace | lark<br>nd<br>nprove<br>in to<br>lly in<br>ith<br>ocrysts<br>par is<br>ch has<br>y<br>hatite<br>ge-<br>inlet<br>ted<br>allel<br>ietitic<br>es 70<br>elicate<br>inlet<br>inlet<br>catite<br>ce | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48988<br>48989<br>48990<br>48991<br>48992<br>48993 | 0.251<br>0.261<br>0.281<br>0.222<br>0.246<br>0.205 | 0.190<br>0.193<br>0.190<br>0.124<br>0.053<br>0.070 | 0.13<br>0.06<br>0.12<br>0.08<br>0.09<br>0.12 | 4.68<br>4.37<br>4.58<br>5.04<br>5.59<br>5.16 | 5<br>5<br>4<br>4<br>2<br>2 | 4<br>4<br>4<br>5<br>5 | rmal<br>tr<br>tr<br>tr<br>mal, t<br>tr | tr    |
| Page 1 c       | 4 D              |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                               |                                            |                                             |                                                    |                                                    |                                                    |                                              |                                              |                            |                       | TAA-27                                 | ,     |

|             | <b></b>   |             |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                           | $\square$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u> </u>                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                            | $\square$                                                                                                                                          | []          | $\square$ |               | $(\neg$      |               | 1 r           |             |                 | <b>[</b> ] |
|-------------|-----------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|---------------|--------------|---------------|---------------|-------------|-----------------|------------|
|             |           |             | Li                                                                                                                                                                                                                                                                                                                | thology                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                            |                                                                                                                                                    |             |           |               |              | Assay F       | lesults       |             | Alterat         | on         |
| <u>From</u> | <u>To</u> | <u>LITH</u> | Descript<br>malachite<br>8.0 - 22<br>seconda<br>veinlets;<br>22.9 - 2<br>better te:<br>Rather                                                                                                                                                                                                                     | ion<br>e; very str<br>2.9 m: equ<br>ry clay aft<br>chalcopyr<br>29.0 m: mo<br>xtures; wh<br>sharply in                                                                                                                                                                                                                                                    | ongly mag<br>al phyric :<br>er feldspa<br>ite is sligt<br>ostly salm<br>ite plagio<br>to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | gnetitic.<br>and non-p<br>ir and hair<br>ntly easier<br>on-pink Pf<br>clase pher                                                                                                                                                                                                                                                                | hyric rock<br>line feldsj<br>to see.<br><sup>⊃</sup> p with m<br>nocrysts -                                                                                                                                                                                                | ; minor<br>bar<br>uch<br><1mm.                                                                                                                     | <u>From</u> | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS %</u> | <u>Au gpt</u> | <u>Fe %</u> | <u>K A M cp</u> | Φ¥         |
| 29.0        | 45.7      | BX          | Breccia;<br>dusty gre<br>lexturally<br>plagiocla<br>phases a<br>magnetit<br>occasior<br>Up clos<br>cream; u<br>selective<br>are less<br>salmon-p<br>contamir<br>Minor v<br>sericite,<br>alteration<br>augite p<br>Intense<br>clots and<br>in fractur<br>this entir<br>Trace v<br>occasior<br>especial<br>but they | correlates<br>ey with <1<br>/ variable,<br>use laths <<br>also prese<br>e>biotite+<br>hal augite  <br>ee, rock is<br>ibiquitous<br>or unaffec<br>bink K-alte<br>hation in a<br>ery localiz<br>slightly ind<br>n of phyric<br>orphyry m<br>ely magnel<br>d stringers<br>res locally<br>res locally<br>res locally<br>ises locally<br>is fractu<br>seem far | with T00<br>5% dark p<br>but domin<br>:1-2mm; e<br>ant; high C<br>augite; ex<br>porphyry<br>colourful<br>moderate<br>sive; mafic<br>creased id<br>creased | -26 23.0<br>bink/pink-g<br>nantly phy<br>equigranul<br>if, mostly of<br>ccellent ig<br>monzonite<br>pink, grey<br>imk, grey<br>imk, grey<br>imk, grey<br>K-alterati<br>cs and pla<br>6 rock with<br>0.0 - 29.0<br>cation; mo<br>ocally; min<br>- stronger<br>fine crysta<br>-total repl<br>te is domin<br>very, very<br>h and with<br>er concen | - 45.7 m:<br>grey fragm<br>rric with<br>ar and ap<br>due to<br>neous tex<br>e chips.<br>, black an<br>on varies<br>gioclase of<br>h intense<br>m - poss<br>derate to<br>for selecti<br>in matrix<br>acement;<br>nant featu<br>r fine and<br><i>in magne</i><br>trations lo | dark<br>nents;<br>hanitic<br>ctures;<br>id<br>from<br>crystals<br>ible<br>weak<br>ve clay<br>of<br>strong<br>ire of<br>subtle;<br>tite,<br>peally, |             |           |               |              |               |               |             |                 |            |

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| R.                 | Mo<br>A Di<br>Mo | NUNT Polley N<br>NISION OF IMPE<br>Dunt Polley | Ining Corporation<br>Rial METALS CORPORATION<br>Mine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      | Dri                                                                                                     | llhole R                                   | leport                                      |                                                    |                                           | ·                                                  |                                              |                                              |                            | т0                    | 0-28                                               |             |
|--------------------|------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|----------------------------------------------------|-------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------|-----------------------|----------------------------------------------------|-------------|
| Zone<br>Length (m) |                  | Springer<br>45.7                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Easting<br>Northing<br>Elevation<br>Depth Az<br>0.0 0                                                                                                                                                                            |                                                                                                                                                                                                                   | 1522.<br>3741.<br>1180.<br><b>Dip</b><br>-90                                                                                                                                                                                                                         | 8<br>3<br>1<br><b>Surve</b><br>Head                                                                     | <b>y Type</b><br>Set                       |                                             | Drilled By<br>Logged By<br>Comments                | Tercon<br>V. Park<br>Wet from 38.1 m      |                                                    |                                              |                                              |                            |                       |                                                    |             |
|                    |                  |                                                | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      |                                                                                                         |                                            |                                             |                                                    |                                           | Assay R                                            | esuits                                       |                                              |                            | Alte                  | eration                                            |             |
| <u>From</u>        | <u>To</u>        | <u>LITH</u>                                    | <u>Description</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      |                                                                                                         | <u>From</u>                                | <u>To</u>                                   | <u>Tag ID</u>                                      | <u>TCu %</u>                              | <u>CuNS %</u>                                      | <u>Au gpt</u>                                | <u>Fe %</u>                                  | ĸ                          | <u>A</u> M            | <u>cp</u>                                          | ру          |
| 0.0                | 30.5             | BX                                             | Breccia; correlates with<br>27 0.0 - 23.0 m; deep<br>grey pseudo-mottling;<br>monzonite (only rare p<br>with lesser equigranul<br>appearance although<br>to end of interval.<br>Intense pervasive K-<br>stronger in weathered<br>localized silicification of<br>fragments with orange<br>surface; spotty manga<br>specks after magnetitic;<br>occasionally oxidized;<br>often in fractures; occ<br><1% malachite on fra<br>interval; trace very, ve<br>occurring within magn<br>chalcopyrite.<br>0.0 - 7.6 m; 50% gre<br>stronger weathering/a | th T00-24<br>salmon-<br>mostly p<br>ohyric fel<br>ar phase<br>textures<br>alteratio<br>rock ab-<br>shows<br>ared sta<br>anese ox<br>e.<br>dissemir<br>also as<br>asional r<br>actures -<br>ery subtle<br>tetite ble<br>y plagioe | 6 0.0 -<br>pink w<br>plagioci<br>dspar i<br>dspar i<br>es; rath-<br>to impr<br>n; mino<br>pve 7.6<br>as quar<br>ining: n<br>ide and<br>mm-sc<br>nt-si fra<br>commo<br>e, ultra<br>bs; rare<br>clase po<br>; minor | 29.0 m an<br>ith minor d<br>ase porph<br>s preserve<br>er uniform<br>rove margi<br>r sericite -<br>im; very<br>rtz-rich<br>hinor chlor<br>d hematite<br>ubes <1/2i<br>ale blebs a<br>agments <<br>on through<br>fine chalco<br>e dissemin<br>prphyry (P<br>organics. | d T00-<br>usty<br>yry<br>d)<br>nally<br>ite at<br>ite at<br>1/2cm.<br>entire<br>opyrite<br>ated<br>Pg); | 0.0<br>7.6<br>15.2<br>22.9<br>30.5<br>38.1 | 7.6<br>15.2<br>22.9<br>30.5<br>38.1<br>45.7 | 48994<br>48995<br>48996<br>48997<br>48998<br>48999 | 0.159<br>0.645<br>0.721<br>0.492<br>0.473 | 0.075<br>0.553<br>0.348<br>0.614<br>0.112<br>0.217 | 0.12<br>1.68<br>0.58<br>1.13<br>0.79<br>0.70 | 4.74<br>3.73<br>4.65<br>4.59<br>5.72<br>5.06 | 4<br>5<br>5<br>5<br>2<br>2 | 3<br>2<br>4<br>5<br>5 | mal, ti<br>mal, ti<br>mal, ti<br>mal, ti<br>mal, t | r<br>F<br>F |

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| 4           | $\square$ | $\square$   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | $\square$ | $\frown$      | $\frown$     | $\square$   | <u> </u>        | <b>-</b> ]  |                   | <b>~</b>           | <b>(</b>  |
|-------------|-----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|---------------|--------------|-------------|-----------------|-------------|-------------------|--------------------|-----------|
|             |           |             | Lithology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |           |               |              | Assay       | Results         |             |                   | Alteratio          | วก        |
| <u>From</u> | <u>To</u> | <u>LITH</u> | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>From</u> | <u>To</u> | <u>Tag ID</u> | <u>TCu %</u> | <u>CuNS</u> | <u>% Au gpt</u> | <u>Fe %</u> | <u>K</u> <u>A</u> | <u>М</u> <u>ср</u> | <u>рү</u> |
| 30.5        | 45.7      | BX          | Breccia; correlates with T00-26 29.0 - 45.7 m and<br>T00-27 23.0 - 45.7 m; medium/dark dusty grey/grey-<br>pink; fine-grained equigranular intrusive with equal<br>amounts of distinctly plagioclase phyric phases;<br>diorite to monzonite; abundant fine biotite; excellent<br>textures; high CI due to magnetite >biotite+augite;<br>distinctly different than above; <5% PPp after 38.1<br>mass 0.0 - 30.5 m - possible contamination in a wet<br>hole?; wet from 38.1 m.<br>Moderate to locally intense selective/semi-pervasive<br>K-alteration; rock has pretty grey, pink, white pattern;<br>very, very weak chlorite occasionally; abundant<br>sericite is seen as dusty greyish coating on all<br>surfaces; rare weakly limonitic fractures.<br>Intensely magnetitic - abundant fine magnetite<br>invades interstices; also occurs in sub-mm stringers<br>and fractures; occasional angular mt-si chips;<br>magnetite is most dominant feature of this interval.<br>Trace visible chalcopyrite and malachite - usually in<br>fractures and rarely disseminated - always associated<br>with magnetite (+/- silica); sulfides are very fine and<br>subtle. |             |           |               |              |             |                 |             |                   |                    |           |

Nice-looking hole,

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## ASSAY CERTIFICATES

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| Tag . | Cu-tot (%) | Cu-ns (%) Au | (g/t) | Fe-tot (%) File Name Posn | comments     |
|-------|------------|--------------|-------|---------------------------|--------------|
| 49251 | 0.298      | 0.243        | 0.14  | 4.54 001010c              | 1 TEST HOLES |
| 49252 | 0.341      | 0.247        | 0.13  | 5.8 001010c               | 2            |
| 49253 | 0.461      | 0.253        | 0.23  | 5.61 001010c              | 3            |
| 49254 | 0.38       | 0.279        | 0.25  | 5.34 001010c              | 4            |
| 49255 | 0.345      | 0.23         | 0.16  | 5.2 001010c               | 5            |
| 49256 | 0.33       | 0.235        | 0.15  | 7.2 001010c               | 6            |
| 49257 | 0.242      | 0.156        | 0.16  | 6.19 001010c              | 7            |
| 49258 | 0.135      | 0.064        | 0.1   | 3.85 001010c              | 8            |
| 49259 | 0.186      | 0.061        | 0.08  | 6.02 001010c              | 9            |
| 49260 | 0.123      | 0.079        | 0.12  | 4.11 001010c              | 10           |
| 49261 | 0.218      | 0.143        | 0.09  | 4.94 001010c              | 11           |
| 49262 | 0.264      | 0.15         | 0.11  | 5.02 001010c              | 12           |
| 49263 | 0.274      | 0.082        | 0.17  | 5.82 001010c              | 13           |
| 49264 | 0.318      | 0.133        | 0.19  | 6.15 001010c              | 14           |
| 49265 | 0.249      | 0.094        | 0.19  | 5.62 001010c              | 15           |
| 49266 | 0.358      | 0.22         | 0.45  | 6.45 001010c              | 16           |
| 49267 | 0.036      | 0.013        | 0.05  | 2.47 001010c              | 17           |
| 49268 | 0.061      | 0.022        | 0.05  | 2.56 001010c              | 18           |
| 49269 | 0.051      | 0.015        | 0.05  | 2.71 001010c              | 19           |
| 49270 | 0.051      | 0.014        | 0.05  | 2.53 001010c              | 20           |

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| Tag . | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name P | osn comments |
|-------|------------|-----------|----------|------------|-------------|--------------|
| 49271 | 0.057      | 0.02      | 0.09     | 2.9        | 001010d     | 1 TEST HOLES |
| 49275 | 0.115      | 0.034     | 0.14     | 2.96       | 001010d     | 2            |
| 54527 | 0.132      | 0.083     | 0.07     | 3.68       | 001010d     | 3            |
| 54528 | 0.086      | 0.041     | 0.07     | 4.18       | 001010d     | 4            |
| 54529 | 0.092      | 0.04      | 0.05     | 3.42       | 001010d     | 5            |
| 54530 | 0.252      | 0.164     | 0.08     | 4.98       | 001010d     | 6            |
| 54531 | 0.089      | 0.056     | 0.06     | 4.32       | 001010d     | 7            |
| 54532 | 0.091      | 0.062     | 0.11     | 3.91       | 001010d     | 8            |

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| Tag.  | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name Pos | n comments  |
|-------|------------|-----------|----------|------------|---------------|-------------|
| 54501 | 0.131      | 0.074     | 0.06     | 5.4        | 001012a       | 1 testholes |
| 54502 | 0.205      | 0.141     | 0.08     | 6.33       | 001012a       | 2           |
| 54503 | 0.195      | 0.137     | 0.07     | 6.26       | 001012a       | 3           |
| 54504 | 0.189      | 0.14      | 0.1      | 6.14       | 001012a       | 4           |
| 54505 | 0.246      | 0.179     | 0.1      | 5.63       | 001012a       | 5           |
| 54506 | 0.175      | 0.125     | 0.08     | 5.13       | 001012a       | 6           |
| 54507 | 0.241      | 0.176     | 0.07     | 5.15       | 001012a       | 7           |
| 54508 | 0.271      | 0.2       | 0.12     | 5.38       | 001012a       | 8           |
| 54509 | 0.365      | 0.302     | 0.13     | 5.43       | 001012a       | 9           |
| 54533 | 0.295      | 0.228     | 0.24     | 3.9        | 001012a       | 10          |
| 54534 | 0.169      | 0.117     | 0.09     | 5.25       | 001012a       | 11          |
| 54535 | 0.296      | 0.199     | 0.21     | 6.37       | 001012a       | 12          |
| 54536 | 0.272      | 0.193     | 0.18     | 5.33       | 001012a       | 13          |
| 54537 | 0.208      | 0.127     | 0.07     | 3.88       | 001012a       | 14          |
| 54538 | 0.101      | 0.06      | 0.03     | 5.03       | 001012a       | 15          |
| 54539 | 0.418      | 0.238     | 0.14     | 4.04       | 001012a       | 16          |
| 54540 | 0.272      | 0.19      | 0.09     | 5.03       | 001012a       | 17          |
| 54541 | 0.22       | 0.152     | 0.09     | 4.86       | 001012a       | 18          |

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| Tag . | Cu-tot (%) | Cu-ns (%) | Au (g/t)    | Fe-tot (%) | File Name | Posn comments |
|-------|------------|-----------|-------------|------------|-----------|---------------|
| 54510 | 0.105      | 0.076     | 0.06        | 5.25       | 001016b   | 1             |
| 54511 | 0.06       | 0.043     | 0.05        | 4.67       | 001016b   | 2             |
| 54512 | 0.332      | 0.254     | 0.19        | 4.91       | 001016b   | 3             |
| 54513 | 0.265      | 0.191     | 0.15        | 4.87       | 001016b   | 4             |
| 54514 | 0.219      | 0.124     | 0.11        | 4.46       | 001016b   | 5             |
| 54515 | 0.298      | 0.23      | 0.21        | 7.32       | 001016b   | 6             |
| 54516 | 0.453      | 0.351     | 0.48        | 5.95       | 001016b   |               |
| 54517 | 0.429      | 0.264     | 0.45        | 9.1        | 001016b   | 8             |
| 54518 | 0,576      | 0.376     | 0.64        | 8.09       | 001016b   | 9             |
| 54519 | 0.392      | 0.242     | 0.41        | 8.08       | 001016b   | 10            |
| 54520 | 0.455      | 0.239     | 0.15        | 7.29       | 001016b   | 11            |
| 54521 | 0.046      | 0.027     | 0.02        | 4.74       | 001016b   | 12            |
| 54522 | 0.095      | 0.056     | 0.07        | 3.42       | 001016b   | 13            |
| 54523 | 0.125      | 0.085     | <b>0</b> .1 | 3.46       | 001016b   | 14            |
| 54524 | 0.044      | 0.018     | 0.06        | 4.9        | 001016b   | 15            |
| 54525 | 0.033      | 0.013     | 0.02        | 4.9        | 001016b   | 16            |
| 48576 | 0.244      | 0.205     | 5 0.49      | 3.64       | 001016b   | 17 testholes  |
| 48577 | 0.267      | 0.197     | 0.29        | 5.51       | 001016b   | 18            |
| 48578 | 0.025      | 0.012     | 2 0.01      | 5.77       | 001016b   | 19            |
| 48579 | 0.202      | 0.155     | 5 0.23      | 4.34       | 0010165   | 20            |
| 48580 | 0.086      | 0.058     | 3 0.09      | 4.92       | 001016b   | 21            |
| 48581 | 0,137      | 0.097     | 7 0.1       | 3.79       | 001016b   | 22            |

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| Tao . | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name | Posn comments |
|-------|------------|-----------|----------|------------|-----------|---------------|
| 68403 | 0.125      | 0.063     | 0.42     | 5.73       | 001018a   | 1             |
| 68404 | 0.061      | 0.03      | 0.19     | 3.73       | 001018a   | 2             |
| 68405 | 0.064      | 0.032     | 0.28     | 4.17       | 001018a   | 3             |
| 68406 | 0.01       | 0.003     | 0.05     | 2.74       | 001018a   | 4             |
| 68407 | 0.009      | 0.002     | 0.06     | 2.9        | 001018a   | 5             |
| 68408 | 0.007      | 0.001     | 0.05     | 2.65       | 001018a   | 6             |
| 49126 | 0.153      | 0.084     | 0.05     | 4.9        | 001018a   | 7 testholes   |
| 49127 | 0.133      | 0.07      | 0.16     | 4.98       | 001018a   | 8 .           |
| 49128 | 0.102      | 0.037     | 0.09     | 4.73       | 001018a   | 9             |
| 49129 | 0.085      | 0.042     | 0.08     | 4.71       | 001018a   | 10            |
| 49130 | 0.104      | 0.061     | 0.1      | 4.78       | 001018a   | 11            |
| 49131 | 0.071      | 0.037     | 0.07     | 4.45       | 001018a   | 12            |
| 54542 | 0.035      | 0.015     | 0.02     | 5.01       | 001018a   | 13            |
| 54543 | 0.108      | 0.067     | 0.14     | 4.67       | 001018a   | 14            |

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| Tag . | Cu-tot (%) | Cu-ns (%) A | Au (g/t) 🔡 | Fe-tot (%) | File Name Posn | comments     |
|-------|------------|-------------|------------|------------|----------------|--------------|
| 68409 | 0.044      | 0.018       | 0.04       | 4.01       | 001019a        | 1 TEST HOLES |
| 68410 | 0,171      | 0.124       | 0.1        | 4.59       | 001019a        | 2            |
| 68411 | 0.107      | 0.078       | 0.08       | 3.53       | 001019a        | 3            |
| 68412 | 0.113      | 0.084       | 0.14       | 2.01       | 001019a        | 4            |
| 68413 | 0.04       | 0.018       | 0.04       | 4.08       | 001019a        | 5            |
| 68414 | 0.364      | 0.066       | 0.37       | 6.06       | 001019a        | 6            |
| 68415 | 0.307      | 0.22        | 0.24       | 4.23       | 001019a        | 7            |
| 68416 | 0.165      | 0.121       | 0.1        | 3.46       | 001019a        | 8            |
| 49132 | 0.142      | 0.078       | 0.1        | 4.77       | 001019a        | 9            |
| 49133 | 0.083      | 0.037       | 0.1        | 4.58       | 001019a        | 10           |
| 49134 | 0.084      | 0.04        | 0.14       | 4.54       | 001019a        |              |
| 49135 | 0.106      | 0.029       | 0.18       | 4.24       | 001019a        | 12           |
| 49136 | 0.087      | 0.038       | 0.17       | 4.67       | 001019a        | 13           |
| 49137 | 0.13       | 0.071       | 0.19       | 5.93       | 001019a        | 14           |
| 49138 | 0.169      | 0.088       | 0.16       | 4.87       | 001019a        | 15           |
| 49139 | 0.185      | 0.102       | 0.16       | 4.38       | 001019a        | 16           |
| 49140 | 0.069      | 0.036       | 0.04       | 4.99       | 001019a        | 17           |
| 49141 | 0.054      | 0.032       | 0.03       | 4.95       | 001019a        | 18           |
| 49142 | 0.055      | 0.029       | 0.07       | 4.71       | 001019a        | 19           |
| 49143 | 0.052      | 0.028       | 0.04       | 4.87       | 001019a        | 20           |
| 49144 | 0.049      | 0.026       | 0.05       | 4.86       | 001019a        |              |
| 49145 | 0.033      | 0.012       | 0.02       | 4.77       | 001019a        | 22           |

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| Tag . | Cu-tot (%) Cu | I-ns (%) Au | u (g/t) Fe | e-tot (%) | File Name Posn | comments |
|-------|---------------|-------------|------------|-----------|----------------|----------|
| 48552 | 0.111         | 0.012       | 0.18       | 5.36      | 001023c        | 1        |
| 48553 | 0.136         | 0.018       | 0.17       | 5.79      | 001023c        | 2        |
| 48554 | 0.119         | 0.016       | 0.1        | 5.49      | 001023c        |          |
| 48555 | 0.129         | 0.026       | 0.17       | 5.25      | 001023c        | . 4      |
| 48556 | 0.12          | 0.016       | 0.15       | 5.32      | 001023c        |          |
| 48564 | 0.051         | 0.024       | 0.19       | 5.05      | 001023c        | 6        |
| 48565 | 0.078         | 0.048       | 0.1        | 5.33      | 001023c        |          |
| 48566 | 0.063         | 0.024       | 0.06       | 4.35      | 001023c        | 8        |
| 48567 | 0.051         | 0.028       | 0.04       | 4.27      | 001023c        | 9        |
| 48568 | 0.131         | 0.058       | 0.06       | 5.13      | 001023c        | 10       |
| 48608 | 0.278         | 0.206       | 0.15       | 6.96      | 001023c        | 11.      |
| 48609 | 0.228         | 0.173       | 0.13       | 6.2       | 001023c        | 12       |
| 48610 | 0.268         | 0.209       | 0.17       | 7.43      | 001023c        | 13       |
| 48611 | 0.061         | 0.045       | 0.05       | 6.59      | 001023c        | 14       |
| 48612 | 0.134         | 0.07        | 0.09       | 6.66      | 001023c        | 15       |
| 48613 | 0.634         | 0.543       | 0.2        | 4.66      | 001023c        | 16       |
| 48614 | 0.52          | 0.397       | 0.19       | 5.99      | 001023c        | 17       |
| 48615 | 0.244         | 0.166       | 0.12       | 4.1       | 001023c        | 18       |
| 48616 | 0.308         | 0.216       | 0.15       | 6.5       | 5 001023c      | 19       |
| 48619 | 0,419         | 0.314       | 0.55       | 6.78      | 3 001023c      | 20       |
| 49149 | 0.024         | 0.01        | 0.02       | 4.23      | 3 001023c      | 21       |
| 10150 | 0.038         | 0.018       | 0.09       | 4.62      | 2 001023c      | 22       |

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| Tag   | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name Pos | Π   | comments  |
|-------|------------|-----------|----------|------------|---------------|-----|-----------|
| 49155 | 0.068      | 0.045     | 0.19     | 4.56       | 001024d       | 1   |           |
| 49156 | 0.098      | 0.023     | 0.22     | 5.11       | 001024d       | 2   |           |
| 49161 | 0.096      | 0.065     | 0.07     | 4.53       | 001024d       | 3   |           |
| 49162 | 0.036      | 0.013     | 0.03     | 4.84       | 001024d       | 4   |           |
| 49163 | 0.036      | 0.02      | 0.03     | 4.37       | 001024d       | 5   |           |
| 49164 | 0.125      | 0.094     | 0.2      | 4.66       | 001024d       | 6   |           |
| 49165 | 0.041      | 0.026     | 0.05     | 5.43       | 001024d       | . 7 | <b>.</b>  |
| 49166 | 0.024      | 0.013     | 0.02     | 6.17       | 001024d       | 88  |           |
| 49167 | 0.059      | 0.028     | 0.08     | 5.42       | 001024d       | 9   |           |
| 48551 | 0.061      | 0.026     | 0.07     | 3.95       | 001024d       | 10  | testholes |
| 49151 | 0.107      | 0.024     | 0.16     | 4.85       | 001024d       | 11  |           |
| 49152 | 0.054      | 0.007     | 0.16     | 4.28       | 001024d       | 12  |           |
| 49153 | 0.044      | 0.008     | 0.08     | 4.14       | 001024d       | 13  |           |
| 49154 | 0.066      | s 0.006   | 6.21     | 5.11       | 001024d       | 14  |           |
| 49157 | 0.091      | 0.021     | 0.2      | 4.88       | 3 001024d     | 15  |           |
| 49158 | 0.123      | 3 0.017   | 7 0.3    | 5.23       | 3 001024d     | 16  |           |
| 49159 | 0.14       | 0.01      | 1.23     | 5.62       | 2 001024d     | 17  |           |
| 49160 | 0.086      | 5 0.009   | 0.48     | 4.97       | 001024d       | 18  |           |
| 48981 | 0.179      | 0.118     | 3 0.23   | 3 5.08     | 3 001024d     | 19  |           |
| 48617 | 0.266      | 6 0.183   | 3 0.17   | 7 5.29     | 001024d       | 20  |           |
| 48620 | 0.134      | 4 0.10    | 6 0,15   | 5 5.5      | 5 001024d     | 21  |           |
| 48607 | 0.258      | 3 0.22    | 1 0.15   | 5 _6.35    | 5 001024d     | 22  |           |

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| Tag . | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name | Posn comments |
|-------|------------|-----------|----------|------------|-----------|---------------|
| 68439 | 0.033      | 0.013     | 0.1      | 4.75       | 001024e   | 1             |
| 68440 | 0.023      | 0.012     | 0.16     | 4.7        | 001024e   | 2             |
| 68444 | 0.09       | 0.005     | 0.34     | 3.88       | 001024e   | 3             |
| 68446 | 0.131      | 0.078     | 0.12     | 7.07       | 001024e   | 4             |
| 68447 | 0.364      | 0.264     | 0.82     | 6.08       | 001024e   | 5             |
| 68448 | 0.483      | 0.373     | 0.59     | 7.08       | 001024e   | 6             |
| 68449 | 0.3        | 0.235     | 0.3      | 5.8        | 001024e   | 7             |
| 68450 | 0.411      | 0.346     | 0.41     | 6.61       | 001024e   | 8             |
| 48557 | 0.094      | 0.021     | 0.16     | 5.33       | 001024e   | 9             |
| 48563 | 0.031      | 0.016     | 0.06     | 6 4.38     | 001024e   | 10            |
| 48582 | 0.199      | 0.128     | 0.2      | 2 5.92     | 001024e   |               |
| 48583 | 0.101      | 0.046     | 0.18     | 3 4.8      | 001024e   | 12            |
| 48584 | 0.064      | 0.02      | 0.13     | 3 4.58     | 001024e   | 13            |
| 48601 | 0.346      | 0.243     | 3 0.45   | 5 5.65     | 001024e   | 14            |
| 48603 | 0.458      | 3 0.361   | 0.49     | 9 7.43     | 001024e   | 15            |
| 48977 | 0.084      | 4 0.039   | 0.04     | 4 5.88     | 001024e   | 16            |
| 48978 | 0.102      | 2 0.054   | 4 0.0    | 5 5.81     | 001024e   |               |
| 48979 | 0.04       | 4 0.016   | 6 0.02   | 2 5.92     | 2 001024e | 18            |
| 48980 | 0.17       | 5 0.137   | 7 0.3    | 5 4.41     | 001024e   | 19            |
| 48982 | 1.07       | 4 0.946   | 6 1.0    | 3 5.38     | 3 001024e | 20            |
| 48983 | 0.69       | 3 0.540   | 6 0.8    | 5 5.53     | 3 001024e | 21            |
| 40175 | 0.14       | 2 0.09    | 4 0.1    | 2 5.27     | 7 001024e | 22            |

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| Γaσ   | Cu-tot (%) | Cu-ns (%) A | u (g/t) | Fe-tot (%) | File Name | Posn | comments |
|-------|------------|-------------|---------|------------|-----------|------|----------|
| 18976 | 0.099      | 0.045       | 0.11    | 5.58       | 001025a   | 1    | ·        |
| 58442 | 0.044      | 0.013       | 0.12    | 4.25       | 001025a   | 2    |          |
| 58443 | 0.064      | 0.006       | 0.14    | 3.74       | 001025a   | 3    |          |
| 68445 | 0.307      | 0.246       | 0.39    | 5.39       | 001025a   | 4    |          |
| 48604 | 0.365      | 0.242       | 0.42    | 6.68       | 001025a   | 5    |          |
| 48618 | 0.246      | 0.134       | 0.15    | 5.56       | 001025a   | 6    |          |
| 48621 | 0.077      | 0.047       | 0.09    | 4.88       | 001025a   | 7    | :        |
| 48622 | 0.181      | 0.107       | 0.17    | 5.39       | 001025a   |      |          |
| 48623 | 0.254      | 0.108       | 0.19    | 5.85       | 001025a   | 9    |          |
| 48624 | 0.258      | 0.112       | 0.23    | 6.19       | 001025a   | 10   |          |
| 49168 | 0.041      | 0.024       | 0.05    | 5.08       | 001025a   | 11   |          |
| 49169 | 0.058      | 0.034       | 0.08    | 4.91       | 001025a   | 12   |          |
| 49170 | 0.035      | 0.014       | 0.06    | 2.64       | 001025a   | 13   |          |
| 49171 | 0.041      | 0.016       | 0.03    | 6.11       | 001025a   | 14   |          |
| 49172 | 0.054      | 0.029       | 0.06    | 4.68       | 001025a   | 15   |          |
| 49173 | 0.141      | 0.095       | 0.19    | 4.43       | 001025a   | 16   |          |
| 49174 | 0.213      | 0.146       | 0.28    | 5.57       | 001025a   | 17   |          |
| 48560 | 0.164      | 0.009       | 0.3     | 5.82       | 001025a   | 18   |          |
| 48602 | 0.372      | 0.295       | 0.62    | 6.28       | 001025a   | 19   | )<br>    |
| 48559 | 0.125      | 5 0.01      | 0.21    | 4,99       | 001025a   | . 20 | }        |
| 48561 | 0.138      | 3 0.01      | 0.26    | 5.65       | 001025a   | 21   | i .      |
| 48562 | 0.157      | 7 0.008     | 0.35    | 5.57       | 001025a   | 22   | <u>}</u> |

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| Tag . | Cu-tot (%) | Cu-ns (%)            | Au (g/t) | Fe-tot (%) | File Name | Posn | comments                              |
|-------|------------|----------------------|----------|------------|-----------|------|---------------------------------------|
| 68437 | 0.031      | 0.011                | 0.04     | 4.77       | 001025d   | 1    |                                       |
| 68438 | 0.025      | 0.008                | 0.03     | 4.47       | 001025d   | 2    |                                       |
| 68441 | 0.041      | 0.021                | 0.1      | 3.19       | 001025d   | 3    |                                       |
| 48558 | 0.111      | 0.009                | 0.17     | 4.84       | 001025d   |      | testholes                             |
| 48605 | 0.261      | 0.178                | 0.28     | 7.23       | 001025d   | 5    |                                       |
| 48606 | 0.359      | 0.278                | 0.38     | 6.78       | 001025d   | 6    |                                       |
| 49146 | 0.031      | 0.015                | 0.03     | 3.61       | 001025d   |      |                                       |
| 49147 | 0.022      | 0.01                 | 0.03     | 3.68       | 001025d   | 8    |                                       |
| 49148 | 0.036      | 0.017                | 0.03     | 3.74       | 001025d   | 9    |                                       |
| 48984 | 0.473      | 0.392                | 0.35     | 6.61       | 001025d   | 10   |                                       |
| 48985 | 0.464      | 0.288                | 0.58     | 6.26       | 001025d   | 11   |                                       |
| 48986 | 0.263      | 0.135                | 0.14     | 5.54       | 001025d   | 12   |                                       |
| 48987 | 0.249      | 0.104                | 0.18     | 7.67       | 001025d   | 13   |                                       |
| 48988 | 0.251      | 0.19                 | 0.13     | 4.68       | 001025d   | 14   | . <b>.</b>                            |
| 48989 | 0.261      | 0.193                | 0.06     | 4.37       | 001025d   | 15   |                                       |
| 48990 | 0.281      | 0.19                 | 0.12     | 4,58       | 001025d   | 16   |                                       |
| 48991 | 0.222      | 0.124                | 9.08     | 5.04       | 001025d   |      | · · · · · · · · · · · · · · · · · · · |
| 48992 | 0.246      | 0.053                | 3 0.09   | 5.59       | 001025d   | 18   | · ·                                   |
| 48995 | 0.645      | 0.553                | 3 1.68   | 3.73       | 001025d   | 19   | }<br>                                 |
| 48996 | 0.476      | 0.348                | 3 0.58   | 3 4.65     | 5 001025d | 20   |                                       |
| 48997 | 0.72       | 0.614                | 1.13     | 3 4.59     | 001025d   | 21   |                                       |
| 48998 | 0.492      | 2 <sup>°</sup> 0.112 | 2 0.79   | 5.72       | 2 001025d | 22   | <u> </u>                              |

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| <br>Tan | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name Posr | n comments  |
|---------|------------|-----------|----------|------------|----------------|-------------|
| 48993   | 0.205      | 0.07      | 0.12     | 5.16       | 001026b        | 1 testholes |
| 18994   | 0.159      | 0.075     | 0.12     | 4.74       | 001026b        | 2           |
| 40004   | 0.473      | 0.217     | 0.7      | 5.06       | 001026b        | 3           |
| 49001   | 0 198      | 0.094     | 0.37     | 5.93       | 001026b        | 4           |
| 49001   | 0.321      | 0.204     | 0.45     | 6.6        | 001026b        | 5           |
| 49003   | 2.059      | 0.063     | 2.79     | 9.12       | 001026b        | 6           |
| 49000   | 0.625      | 0.03      | 0.92     | 6.54       | 001026b        | 7           |
| 49005   | 0 455      | 0.017     | 0.64     | 6.33       | 001026b        | 8           |
| 49006   | 0.35       | 0.014     | 0.53     | 6.18       | 001026b        | 9           |
| 49007   | 0.34       | 0.018     | 0.54     | 6.78       | 001026b        | 10          |
| 49008   | 0.374      | 0.013     | 0.56     | 6.84       | 001026b        | 11          |
| 49009   | 0.374      | 0.017     | 0.56     | 7.65       | 001026b        | 12          |
| 49010   | 0.383      | 0.017     | 0.51     | 7.78       | 001026b        | 13          |
| 49011   | 0.268      | 0.05      | 0.55     | 5.25       | 001026b        | 14          |
| 49012   | 0.227      | 0.044     | 0.4      | 6.28       | 001026b        | 15          |

| Tao   | Cu-tot (%) | Cu-ns (%) | Au (g/t) | Fe-tot (%) | File Name Posn | comments    |
|-------|------------|-----------|----------|------------|----------------|-------------|
| 49013 | 0.135      | 0.087     | 0.34     | 6.13       | 001027c        | 1 testholes |
| 49014 | 0.149      | 0.103     | 0.48     | 5.35       | 001027c        | 2           |
| 49015 | 0.125      | 0.066     | 0.3      | 4.41       | 001027c        | 3           |
| 49016 | 0.124      | 0.032     | 0.25     | 4.9        | 001027c        | 4           |
| 49017 | 0.115      | 0.039     | 0.21     | 5.04       | 001027c        | 5           |
| 49018 | 0.071      | 0.027     | 0.18     | 3.68       | 001027c        | 6           |
| 49019 | 0.058      | 0.022     | 0.21     | 3.24       | 001027c        | 7           |
| 49020 | 0.054      | 0.023     | 1.22     | 4.04       | 001027c        | 8           |
| 49021 | 0.061      | 0.017     | 0.17     | 3.98       | 001027c        | 9           |
| 49022 | 0.054      | 0.017     | 0.15     | 3.87       | 001027c        | 10          |

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