

DRILL HOLE RECORD

Rainbow
825079

PROJECT NAME : RAINBOW		DATE STARTED (M/D/Y): 10/03/90		DIRECTIONAL DATA: A = Acid Test M = Multishot L = Light Log T = Tropari					
HOLE NUMBER : RDH-90-3		DATE COMPLETED(M/D/Y): 10/04/90		DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
LOCATION : MIDWAY MINE AREA		DATE LOGGED (M/D/Y): 10/09/90		100.61 m	A	-45°			
PROJECT NUMBER : 661		UNITS (F/M) : M							
CLAIM NUMBER :									
PLOTTING COORDS	GRID :	ALTERNATE COORDS	GRID :						
	NORTH : 74+54 89+00N		NORTH : _____ + _____						
	EAST : 94+54 E		EAST : _____ + _____						
	ELEV : 1010 m		ELEV : _____ . _____						
COLLAR BRNG	GRID : 180°	COLLAR SURVEY(Y/N) :							
	ASTRONOMIC : 180°	RQD LOG (Y/N) :							
	COLLAR DIP : -45°	PULSE EM SURVEY(Y/N):							
CONTRACTOR : LONE RANGER		LOGGED BY : L. Lee							
CORE STORAGE : BOUNDARY FALLS		START DEPTH: 0 m							
CASING : LEFT IN HOLE		FINAL DEPTH: 100.61 m							
PLUGGED (Y/N) : N									
HOLE SIZE : NQ									
PURPOSE/COMMENTS : Test E extension of Midway Mine shear & alt'n system.									

HOLE NO. _____

LOGGED BY _____

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 - 1.5m	<< CASING >>							
1.5 - 27.65	<< QTZ-FSP RORPH >>	Grey-green	med	57% qtz eyes, 30% fsp avg 1-2 mm in frg ^{green} matrix Locally grades to coarser grained intervals w fsp avg 2-3 mm. Massive		1.5-10.8 Rusty fracs, broken cone, surface weathering Fsp seams & chl alt'd Mod late qtz carb units ^{predom @ 50%} Mod local perv silic'n #10.8-12.0 ft << bleached, -silic'd >> #14.6-15.5 ft << bleached, silic'd >> #23.1-27.65 ft Mod per perv silic'n << silic'n >> 26.8-27.65 v. rusty zone above serp contact 27.65 Sharp contact @ " 75'	Throughout 27% pyrite, dissemin & as units, also pyritic atm envelopes adj to fracs & units. << 27. py >> #23.1-23.9 ft m << 57% py >> 57% py as units & finely dissem in matrix as envel to units. #26.1-27.65 ft << 57% py >> 57% py as units, envelopes and irregular bands & flood zones to 1 cm x 6 cm.	
27.65 - 33.6	<< serpentine >>	Grey	aph.	Grey frg mod-str magnetic serpentine. Mod well devel fol'n @ 65-80° Banded w ^{20%} white carb bands to 1 cm, alternating w grey frg mottled serp. 57% fine acicular mag; needles visible in grey serp bands locally.		#27.65-28.2 ft 30% mariposite Mod-str rusty zones decreasing away from contact. Mod-str silic'n Mod silic'n, 37% marip >>	27.65-28.2 Minor fine diss py	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
33.6 - 35.7m	Microdior Dyke >>	green-grey	fine	v fine grained ^{massive} dyke w 20-30% fine fsp ($< 1\text{mm}$) visible in fry qmass. Pale grey-green, sim in appearance to fpp above but much finer grained grades to slightly coarser grained in center of dyke. 35.7 sharp contact @ 45°		Minor late carb units	27. py as units & alt'n envelopes 27. py >>	
35.7 - 41.7m	Serpentine >>	Grey	Fine	Grey banded serps as in 27.65 - 33.6 but w 10-20% talc alt'n in bands & irreg patches 41.7 sharp contact @ 40°		alt'n < talc alt'n >> Mod talc alt'n 35.7 - 37.5 alt'n rusty bands R-carb alt'n near contact 41.2 - 41.7 str perv silic'n & silic'n (massive, white) Local rusty zones & Min late carb units. < silic'n >>	41.2 - 41.7 Min py.	
41.7 - 46.3	fsp forph >>	Green-grey	med	30% fsp, avg 1-2mm, white + 10% ^{locally} green mafic?? or poss chl alt'd fsp in fry grey fsp rich mtrx. Poss rare qtz eyes 41.7-41.8 - bleached zone at upper contact 46.2-46.3 Rusty zone at lower contact Sharp contact w 1cm qtz in @ 45°		Silic on frags. Late qtz - carb units	1-2% py - diss r units	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
46.3 - 51.75	«Serpentine»	Grey	fyg	Grey mottled serp Str magnetic in grey bands. Weak fol'n @ 45-60°. Alternating grey serp w white talc rich bands and local silic'd bands. Rusty zones to 40 cm wide ie) 50.5-51.0		#46.6-46.8 If str silic'n «silic'n» #48.0-50.0 If str talc alt'n «talc» #51.5-51.75 If str silic'n «silic'n»		
51.75 - 67.2	«Fsp Porph»	Dark grey- green	Med- coarse	30% ^{white to yellow} coarse fsp phenos to 1 cm, avg 2-3 mm. (may be weakly hem stained) 57% fine mafics (<1mm) in fyg dark grey-green mtx. Massive, fresh intrusive. Weak alignment @ 90° to fsp phenos. Local weak alignment of fsp @ 90° Crushed zones (faults?) @ 53.05-53.15 60.36-60.46 63.3-63.5 fyg, grey zone w 3 cm qtz in 66.8-67.2 sharp change to fyg fsp porph w 10% fsp, avg = 1-2mm in fyg mtxe Chilled margin of intrusive above 67.2 contact @ 60°		Minor late qtz-carb stringers predom @ 60-70° Tr diss py locally: → 67.1-67.2 v intense serpentinization of fsp porph. Rem fsp porph textures visible		

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
67.2 - 94.95	«Serpentine»	Grey	Fine	<p>Mottled - massive to foliated serpentine. 80-90% grey fine serp w/ 10%-20% white carb and locally talc rich zones. Grey serp mod-str magnesi. Locally acicular black stars (magnetite?) visible</p> <p>67.2-67.3 str grey gouge + int. serp. Fault zone</p> <p>Talc alt'n increases downwards</p> <p>80.1 - 81.2 Aphanitic, massive dark green serpentine</p> <p>89.0 - 89.5 Aphanitic massive dark green serp</p> <p>94.6 - 94.95 Grey cherty serp, weak fol'n @ 50° 10 cm bx zone @ contact</p>		<p>Local weak hem stain. Minor talc alt'n</p> <p>#74.0 - 80.1 # str talc alt'n «talc alt'n»</p> <p>#81.2 - 85.0 # str talc alt'n «talc alt'n»</p> <p>#94.6 - 94.95 # str silic'n «silic'n»</p>		#67.2 - 67.3 # «Fault zone»
94.95 - 100.61	«Fsp Porph»	Green	fine-med.	<p>Massive but broken cone. 25% fsp, avg 1mm (green, chl alt'd) in fine mtrx</p>		<p>Fsp chl alt'd, chl/seric on fracs Local weak silic'n. Minor late qtz - carb units</p> <p>#100.3 - 100.61 # str perv silic' + minor qtz uning «silic'n, qtz uning»</p>	<p>Minor diss py & py stringers</p> <p>#100.3 - 100.61 # 27. fine py «27. py»</p>	

100.61 END OF HOLE
HOLE NO

ASSAY SHEET

Sample Number	From ()	To ()	Estimate		Length ()	% Cu	% Zn	% Pb	gm. T Ag	gm. T Au	% SiO ₂	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au		
			Cu	Zn																		
20003	1.5	3.5			2.0																	
20004	3.5	5.5			2.0																	
20005	5.5	7.5			2.0																	
20006	7.5	9.5			2.0																	
20007	9.5	11.5			2.0																	
20008	11.5	13.5			2.0																	
20009	13.5	15.5			2.0																	
20010	15.5	17.5			2.0																	
20011	17.5	19.5			2.0																	
	19.5	21.5																				
20013	21.5	23.5			2.0																	
20014	23.5	25.5			2.0																	
20015	25.5	27.65			2.15																	
20016	27.65	29.0			1.35																	
20017	40.0	41.7			1.7																	
20020	94.0	94.95			0.95																	
20021	94.95	97			2.05																	
20022	97	99			2.0																	
20023	99	100.61			1.61																	

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM ()	TO ()	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid	
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au					
20012	19.5	21.5																				
20018	56.0	59.0																				
20019	81.5	84.5																				

DRILL HOLE RECORD

PROJECT NAME : <u>RAINBOW</u>		DATE STARTED (M/D/Y): <u>10/04/90</u>		DIRECTIONAL DATA:		A = Acid Test L = Light Log		M = Multishot T = Tropari	
HOLE NUMBER : <u>RDH-90-04</u>		DATE COMPLETED(M/D/Y): <u>10/07/90</u>		DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
LOCATION : <u>MIDWAY MINE AREA</u>		DATE LOGGED (M/D/Y): <u>10/09/90</u>		<u>58.84</u> m	<u>A</u>	<u>-</u>	<u>-59°</u>		
PROJECT NUMBER : <u>661</u>		UNITS (F/M) : <u>M</u>		<u>152.7</u> m	<u>A</u>	<u>-</u>	<u>-60°</u>		
CLAIM NUMBER :				<u>205.48</u> m	<u>A</u>	<u>-</u>	<u>-63°</u>		
PLOTTING COORDS		ALTERNATE COORDS							
GRID : <u>RAINBOW</u>		GRID :							
NORTH : <u>94+55N 89+55N</u>		NORTH : _____ + _____							
EAST : <u>94+55E</u>		EAST : _____ + _____							
ELEV : <u>≈ 1005 m</u>		ELEV : _____							
COLLAR BRNG		COLLAR SURVEY (Y/N) : <u>N</u>							
GRID : <u>180°</u>		RQD LOG (Y/N) : <u>N</u>							
ASTRONOMIC : <u>180°</u>		PULSE EM SURVEY(Y/N): <u>N</u>							
COLLAR DIP: <u>-60°</u>									
CONTRACTOR : <u>LONE RANGER</u>		LOGGED BY : <u>L. Lee</u>							
CORE STORAGE : <u>BOUNDARY FALLS</u>		START DEPTH: <u>0 m</u>							
CASING : <u>LEFT IN HOLE</u>		FINAL DEPTH: <u>224.08</u>							
PLUGGED (Y/N): <u>N</u>									
HOLE SIZE : <u>NQ</u>									
PURPOSE/COMMENTS: <u>Test eastern extension of Midway Mini-Shear at depth.</u>									

HOLE NO. RDH-90-04

LOGGED BY L. Lee

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 - 3.05m	← CASING →							
3.05 - 6.6	← QTZ-FSP PORPH →	Green-grey	med	5% qtz eyes, 2mm, 30% fsp - tabular (saus to ch alt'd) in fine grey-green matrix. Locally br w qtz frags 5.9-6.6 broken, bx clay alt'd core Fault zone 6.6 contact @ 60°		Mod perv clay alt'n. Min qtz-carb units	Tr py	# 5.9- 6.6 7.7m/k ← Fault Zone →
6.6 - 9.75	← SERPENTINE →	Pale grey.	fine	Massive, grey, mottled to mod well foliated (@ 40-50°) serpentine. Local narrow bx zones. 6.6-7.7m rusty, bx zone Fault zone		Weak talc alt'n & local silic'n & cherty bands par to fol'n. 6.6-7.7 Min qtz uning & silica	Tr py throughout 6.6-7.7 Min py	
9.75 - 35.55	← QTZ-FSP PORPH →	Pale grey green	med	as in 3.05-6.6 m Rusty frags & local rusty zones. 10.5-11.0m Locally grades to fine grained sections. Rusty bx zone w late carb units. Fault zone 11.7-12.0 Rusty broken core, poor recov. Fault zone 13.0-13.35 Rusty gouge & str clay alt'd porph CA @ 30°		Mod-str perv clay alt'n. Local weak silic'n. Sert on frags. Min late qtz-carb units ← clay alt'n → # 13.0-13.35 ft Min qtz uning in fault zone ← min qtz-py uning →	9.75-14.0 Min diss py. 12.8 # mm qtz-py unit @ 20° to CA 13.0-13.35 Min py stringers	# 10.5-11.0 ft ← Fault Zone → # 11.7-12.0 ft ← Fault Zone → # 13.0-13.35 ft ← Fault Zone →

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
9.75 - 35.55 CONT...	QTZ-FSP PORPH CONT...			<p>18.4 - 19.0 m Rusty, broken core, silic'd w qtz banding. Fault zone</p> <p>22.47 - 22.55 Crushed rusty core, fault zone?</p> <p>25.0 - 34.4 Pale grey-green porph, locally strongly bleached</p> <p>34.4 - 35.55 Coarse grained crowded fsp porph phase of intrusion w 60-80% fsp avg 3mm in fmg mtr</p> <p>35.55 Sharp contact @ = 80°</p>		<p>18.4 - 19.0 ft silic'd w qtz banding « silic'd »</p> <p>25.0 - 34.4 ft « silic'd » Weak - mod silic'n of fsp sauss. Min late white qtz (+ carb) unts. Min graphite shears.</p> <p>34.4 - 35.55 ft Mod-STR perv clay alt'n Min late qtz unts & blebs. « clay alt'n »</p>	<p>14.0 - 24.7 ft « 2-5% py » 2-5% finely diss py & rare stringers ie) 16.2 m 20.2 - 20.5 m</p> <p>24.7 - 34.4 ft 5% py as fine stringers dom @ 80° to CA + dissem. « 5% py »</p> <p>34.4 - 35.55 Minor diss py + py unts</p>	<p>18.4 - 19.0 ft « Fault zone »</p>
35.55 - 43.8 m	« SERPENTINE »	Grey - Dark green	fine	<p>35.55 - 39.0 Dark green, well foliated aphanitic serpentine. Mottled texture w dark grey & dark green bands. Str magnetic</p> <p>39.0 Gradational change to grey mottled talc alt'd serp below</p>		<p>35.55 - 39.0 Min carb unts to 1cm</p> <p>39.0 - 43.8 ft mod- str talc alt'n « talc alt'n »</p>	<p>35.55 - 39.0 Min py in carb unts</p>	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
35.55- 43.8m cont	Serp cont...			41.0-41.7 Crushed str alt'd core, poor recov. Fault Zone 43.0-44.5 BX, intensely serpentinized zone. Local gouge zones & crushed core w poor recov. Fault Zone.				#41.0-41.7/# Fault Zone?? #43.0-44.5/# Fault Zone??
43.8 - 58.1	← Fsp Porph. - Microdiorite →	Pale grey- green	fine	15-20% fine fsp (avg < 1mm) in fgy grey-green matrix Massive but broken core Shear dom @ 45-50° to CA Grades into finer grained, grey micro diorite (massive fresh looking from 48.6 - 53.7m 56.5 - 58.1m		Min late qtz-carb units. Chloritic shears & fracture coating + some chl; replacement of mass mafics? 56.5-58.1 v. weak chl. from str (weak prop alt'n)	#43.8-48.6/# 2-5% fine diss py « 2-5% py » 48.6-53.7 tr diss py 53.7-56.5 1-2% diss py	
58.1 - 79.8	Tertiary Biotite Monzonite Dyke « TERTIARY DYKE »	Grey- Brown	fine med	Fresh, massive intrusive 5% platy biotite, 10% mafics (avg < 1mm) + 15% white subhedral fsp in fgy brown (w pink hue - Kspar rich?) matrix 58.1-58.11 - 1cm bleached zone @ upper contact		Rare carb units		

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
58.1 - 79.8 cont.				Locally grades into dark grey fine grained zones (e) 65.8-66.6 78.4-79.8 72.3-78.4 27. large pinkish qtz-cc filled amygdulites?? or inclusions 2.5 - 3cm in size, round to v. irregular or elongate in shape 79.8 sharp contact @ 80° to CA		#73.2-78.4 // weak ep alt'n in mtrx «weak ep alt'n»		
79.8 - 120.4	Microdiortite Andradite - FSP PORPH →	Grey Green	fine	Massive, fine grained microdiort intrusive. 10% fine mafics, 10% fine fsp in fine grey mtrx. Locally grades into coarser grained fsp porphyry 79.8-79.9 int. serp @ contact 88.4-89.9 Coarser grained fsp porph intrusive w 35% fsp avg 1-2mm in fine mtrx. Grad contacts Rare qtz eyes 93.0-93.7 Pale grey, bleached		Mod late qtz-carb stringers & veins (1-2cm) 1.5 cm. V. s dom @ 45-50° Chl on shears. 79.8-79.9 int. serp #93.0-93.7 mlt str silic'n «silic'n» #94.3-94.4 // str silic'n «silic'n»	#93.0-93.7 // «5% py» 5% fine py - diss & #94.3-94.4 // 5% py «5% py»	Tr py throughout - dissem & stringers

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
79.8-120.4 cont...				<p>94.4-95.6 Coarse grained fsp porph as in 88.4-89.9</p> <p>98.4-99.2 Weak bleaching. Coarser grained as above w rare qtz eyes</p> <p>104.5-111.3 Coarser grained fsp porphyry 20-30% fsp avg 1-2mm 10% fine mafics (alt'd to chl) in fgy mtrc Rare large mafics</p> <p>110.5-111.5 bleached</p> <p>#113.5-120.4 # Grad change from fine micro dior to coarse grained fsp porph as in 104.5-111.3 # Pale grey-green. Massive w local bx zones @ 80-90° (to 2cm). Fine angular intrusive clasts in grey py mtrc. @ local bx >></p>		<p>96.0-98.5 Mod hem str of fsp</p> <p>98.4-99.2 Weak silic'n</p> <p>105-106.0 Mod hem str of fsp & mtrc</p> <p>110.5-111.5 Weak silic'n</p> <p>#113.5-120.4 # Mod-str perv silic'n chl/py shears @ silic'n >></p>	<p>#113.5-120.4 # 5% py dissemin & as fine units & mtrc in bx zones (to 2cm wide) @ 5% py >></p>	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
120.4 -122.8	«Serpentine»	Pale grey	aphanitic	White-pale grey, aphanitic massive. Mod fol'n @ 60°. Min remnant grey serp kernels and talc rich bands. 122.8 Sharp lower contact @ 60°		v str perv silic'n + late grey-white qtz-py units «silic'n, qtz-py units»	27% py-diss & w qtz in units. «27% py»	
122.8 - 134.4	«Fsp Porph»	Grey-green	fine-med	Pale-med grey green, fine med grained w up to 20% rem fsp (avg 1mm) visible locally - (saus) Grades to finer grained section of microdiorite. #122.8 - 127.0 ft «bx» silic'd Fsp Porph Crackle type bx & locally white silic'd frags in grey qtz-py mtr mtr 132.2 - 132.4 - broken core, poor rec'd 133.0 - 133.2 " 133.6 - 134.1 silic'd, broken core Fault Zone 134.4 sharp but irregular contact.		Chloritic-pyritic Shears #122.8 - 127.0 ft Str silic'n «silic'n» 127 - 129.5 Weak perv silic'n 129.5 - 131.0 Weak perv clay alt'n #133.6 - 134.1 ft «silic'd»	Minor py-diss p. units throughout #122.8 - 127.0 ft «5% py» 5% py-diss & bx finely dissem in mtr in zones to 10 cm wide #132.2 - 132.4 ft «Fault zone» #133.0 - 133.2 ft «11» #133.6 - 134.1 ft «11»	
134.4 - 136.7	«Brooklyn Conglom»	Green	coarse	Coarse polymitic clast supported conglom w 80+ % ^{angular} clasts sand size up to 8cm, avg .5 cm. Weak flattening bedding @ 80° to CA Carb nch mtr. Clasts are 40% grey chert, 40% qst, 10% mudst +, 10% 1st 136.7 sharp contact @ 50°		Min hem str of clasts & mtr		

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
136.7 - 151.6 m	Tertiary Biotite Monzonite Dyke «TERTIARY DYKE»	Brown	med	5% bi, avg 1mm, 15% tabular euhedral fsp (plag-hem strid)-avg 1mm + 5-10% fine mafics in fine pinkish br (Kepar vzh?) matrix. Fresh massive. Grades to coarser grained more equigranular away from contact Grad. change @ 139.5 to ^{coarser grained} equigranular intrusive w 25% pinkish hem strid plag, avg ^{1-6mm} subhedral, 5% bi, avg 1mm, 20% fine mafics in fine matrix fresh-massive 150.0 - 151.6 - Pale grey, fine dyke ^{5m} to top of interval w several large inclusions of underlying conglom 10cm bleached, chill zone @ lower contact		Rare late carb units.		
151.6 - 222.2	«BROOKLYN CONGLOM»			Grey-green clast supported conglom as in 134.4-136.7 Weak bedding @ 70° To cally grades into fine & coarser grained zones		Minor units & Tr mariposite throughout. Local bleaching.		151.6 - 156.4 / ^{as} thin py stringers & flood zones in matrix to 3cm wide «2% py»

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
151.6 - cont...	Congl. cont...			<p>159.0 - 164.0 bleached w local silic'd sections</p> <p>165.8 - 168.2 m bleached congl w local silic'd sect</p> <p>168 - 168.5 - 70% v. large (to 10cm) 1st clasts</p> <p>169.6 - 172.0 Green volc congl? layer 30% clasts of chert, 1st, gst in pale green carb rich frg mtrix w rare large alt'd tubular xtals. Tuffaceous horizon? - 10% porosity, as opposed to above with 21%</p> <p>172.0 - 174.9 bleached silic'd conglom as in 159-164 165.8 - 168.2</p> <p>173.1 - 173.5 ft grey frothy bx zone, siliceous - w py rich mtrix << bx >></p> <p>174.9 - 180.2 dark green intrusive looking mtrix, carb rich. Increase in % of 1st clasts from above \pm 20%. 1st now increasing size downwards in this zone.</p>		<p>159.0 - 164.0 ft << silic'n >> locally str silic'n + late grey gft-py units to .5 cm @ 45° Minor mariposite(?)</p> <p>165.8 - 168.2 ft local str parv silic'n as in 159-164. Minor bright green alt'n in mtrix - poss mariposite. << silic'n, marip >></p> <p>169.6 - 172.0 Mod late carb units & vulggy infilling.</p> <p>172.0 - 174.9 ft - parv silic'n - minor mariposite Rare late grey gft-py units << silic'n, marip >></p> <p>174.9 - 180.2 str late carb uniting</p>	<p>159.0 - 164.0 ft << 2-3% py >> 2-3% py - as units & flooding mtrix in bands to 2 cm wide</p> <p>165.8 - 168.2 ft 2-3% py as in 159.0-164.0 << 2-3% py >></p> <p>172.0 - 174.9 ft << 27% py >> 2% an diss py & py stringers</p> <p>173.1 - 173.5 ft 40 cm zone of grey frothy dxpy rich mtrix << py rich >></p> <p>174.9 - 180.2 17% py - diss & units</p>	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
151.6 - cont	Conglom Cont...			<p><u>180.2 - 183.65</u> Fng green intrusive ≈ 40% v fine sp, 25% v fine mafics - poss dioritic comp. Massive, locally contains inclusions to 10 cm of conglom</p> <p><u>183.65 - 192.0</u> Dark green intrusive looking mtrix as in 174.9 - 180.2. 60-70% clasts; matrix supported 30-40% of clasts are 1st. Carb rich mtrix. Grad. change to pale congl. below</p> <p><u>192.0 - 194.5</u> Pale grey clast supported Conglom as above w 80+ % angular clasts sand to 10 cm size, avg ≈ 1 cm. Clasts ≈ 40% chert, 30% 1st, 10% Seds, 20% gsk. V. carb rich mtrix.</p> <p><u>194.5 - 198.0</u> Fng pale green 'volc?' or intrusive Contains local zones of conglom</p> <p>196.7 - 196.9 broken clay alt'd are</p>		<p><u>180.2 - 183.65</u> mod. late carb units</p> <p><u>192.0 - 194.5</u> Min late carb units. Local peru silica</p>	<p><u>180.2 - 183.65</u> 1# 2% v fine diss py cl 2% py??</p> <p><u>183.65 - 192.0</u> Min diss py</p> <p><u>192.0 - 194.5</u> Min py diss in mtrix</p> <p>194.5 - 198.0</p> <p><u>196.2 - 196.7</u> 1# 5% py stringer ≈ 5% py??</p>	<p><u>196.7 - 196.9</u> 1# "Fault Zone"</p>

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				<p>198.0 - 205.7 Green mtr supported conglom as in</p> <p>183.65 - 192.0 30-40% large clasts, avg 2-3 cm in size 10% large clasts, to 10cm of ^{green} 1st. Rare red jasper frags. 'Intrusive' volcanic looking mtr</p> <p>205.7 - 207.6 ^{frag} green-maroon tuff? or frag dyke Weak bedding @ 80° to CA</p> <p>207.6 v sharp contact @ 55°</p> <p>207.6 - 222.2 Grey-green conglom Mtr supported w/ ^{granular sandy (intrusive looking) mtr} as in 198.0-205.7 but finer grained, avg cast size .5-1cm Grades into finer grained conglom & into muddy layers w rare large clast. Weak bedding in muddy layers @ 50-70° to CA</p>		Local str had seric on frags.	Minor py	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				Km 221 - 222.2 becomes down mudstr w minor conglom bands.				
222.2 - 223.1	Tert Biot Mon 2 Dyke «TERTIARY DYKE»	Dark grey - br	fine - med	Dark grey-br, fresh massive dyke w 25% white fsp, avg 1-2mm + 10% mafic avg 1-2mm in fgy dark grey mtx				
223.1 - 224.08	«Brooklyn Conglom»			Coarse conglom w 60% clasts avg 3-5cm in pale green matrix. Muddy matrix showing weak bedding @ 60°				
224.08	END OF HOLE							

ASSAY SHEET

Sample Number	From ()	To ()	Estimate		Length ()	% Cu	% Zn	% Pb	gm. T Ag	gm. T Au	% SiO ₂	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au					
			Cu	Zn																					
20024	3.03	5.0			1.97																				
20025	5.0	6.6			1.6																				
20026	6.6	8.0			1.4																				
20027	8.0	9.75			1.75																				
20028	9.75	12.0			2.25																				
20029	12.0	14.0			2.0																				
20030	14.0	16.0			2.0																				
20031	16.0	18.0			2.0																				
20032	18.0	20.0			2.0																				
20034	22	24			2.0																				
20035	24	26			2.0																				
20036	26	28			2.0																				
20037	28	30			2.0																				
20038	30	32			2.0																				
20039	32	34			2.0																				
20040	34	35.55			1.55																				
20041	41.0	42.5			1.5																				
20042	42.5	43.8			1.3																				
20043	43.8	45.5			1.7																				
20044	43.0	47.4			4.4																				

ASSAY SHEET

Sample Number	From ()	To ()	Estimate		Length ()	% Cu	% Zn	% Pb	gm. T Ag	gm. T Au	% SiO ₂	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au				
			Cu	Zn																				
20050	98.4	99.2			0.8																			
20052	10.5	111.5			1.0																			
20053	113.5	115.5			2.0																			
20054	115.5	117.5			2.0																			
20055	117.5	119.0			1.5																			
20056	119.0	120.4			1.4																			
20057	120.4	122.8			2.4																			
20058	122.8	124.0			1.2																			
20059	124	125.5			1.5																			
20060	125.5	127.0			1.5																			
20061	151.6	153			1.4																			
20062	153	154.5			1.5																			
20063	154.5	156.4			1.9																			
20064	159.0	160.5			1.5																			
20065	160.5	162			1.5																			
20066	162	164			2.0																			
20067	165.8	168.2			2.4																			
20068	172.0	173.0			1.0																			
20069	173.0	174.9			1.9																			
20071	192	194.6			2.5																			

ASSAY SHEET

Sample Number	From ()	To ()	Estimate		Length ()	% Cu	% Zn	% Pb	gm: T Ag	gm: T Au	% SiO ₂	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au		
			Cu	Zn																		
20072	196.2	196.9			0.7																	
20074	209	211			2.0																	
20075	213	215			2.0																	
20076	217	219			2.0																	
	2																					

Major Oxides

Sample Number	From ()	To ()	Estimate		Length ()	% Cu	% Zn	% Pb	gm. T Ag	gm. T Au	% SiO ₂	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			
			Cu	Zn																			
20033	20.0	22.0			2.0																		
20044	49.0	52.0			3.0																		
20045	54	56			2.0																		
20046	59.0	62.0			3.0																		
20047	74	77			3.0																		
20048	85	88			3.0																		
20051	101	104			3.0																		
20070	181	183			2.0	split																	
20073	202.7	205.7			3.0																		