Contractor _____ Coordinates _____ Project _____ Hole No. DBB - 490

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DRILL CUTTING LOG

Logged by:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 = Weak, 2 = Moderate, 3 = Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement) / TYPE	ASSAY: Au	ASSAY: Ag
			70	2	175-180		Tbxa				
					195-200						
			60				Tbp	205 - 290 TRACHYTE PORPHYRY			
					220-225						
				1					235 - 285 SULFIDE 2-4% FeS2, 20-25% OXIDE		
					245-250						
								(265-285) 3-5% PC schist.	(260-285) 2-3% OXIDE, 4-5% FeS2		
					270-275						
				2				(285-290) 30-40% PC schist	285 - 395 MIXED tr-1%		
			10				PC	290 - 350 PRECAMBRIAN SCHIST w/ 5-10% Tbp	FeS2, 60-80% OXIDE		
					295-300						
					320-325						
									330 - 365 FRACTURED.		
					345-350						

Contractor _____ Coordinates _____ Project _____ Hole No. RBB-490

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES % (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			60	2	350-355		Tkp	350 – 490 TRACHYTE PORPHYRY			
									(365-395) tr-1% FeS2, 5 – 20% OXIDE,		
					370-375						
				1	395-400				395 – 490 SULFIDE 2-3% FeS2 1-5% OXIDE		
								(405 – 440) 2-6% PC schist	(405 – 430) 2-4% FeS2		
					420-425						
									(430 – 455) 4-6% FeS2 diss 1-2% OXIDE		
					415-450						
								(455 – 490) 1-3% PC schist	(455 – 490) 2-3% FeS2 15-20% OXIDE		
					470-475						
			70	2			Tbxa	490 – 735 BRECCIA of Tkp (dominate) w/ Tqtp & PC schist	490 – 600 MIXED tr-1% FeS2 60-70% OXIDE		
					495-500			(500 – 600) Breccia of Tkp with pc schist w/ PC			
					520-525						

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. RBB-490

Drill Type _____ Casing Depth _____ State _____ Sheet 4 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DRILL CUTTING LOG

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			70	2	525-530		Tbxa					
					545-550							
					570-575							
					595-600			(590 - 610) PC schist increase 30-40% chips				
								(610 - 640) Ttp				
					620-625							
					645-650			(640 - 670) Ttp dominate w/ Tqtp, PC schist.	650 - 660 FRACTURED.			
					670-675			(670 - 735) Tqtp (dominate) Ttp				
									690-695 FRACTURED			
					695-700							

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R88-490

Drill Type _____ Casing Depth _____ State _____ Sheet 5 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			70	2	700-705		Tbxa					
					720-725							
			80				Tqtp	735-765 QUARTZ TRACHYTE PORPHYRY				
					745-750				745-760 FRACTURED			
			70				Tbxa	765-805 BRECCIA Tqtp (DOMINATE) w/ Tkp.				
					770-775				775-785 FRACTURED			
					795-800							
			80				Tqtp	805- QUARTZ TRACHYTE PORPHYRY (805-910) tr-1% FeS_2, 3-5% OXIDE - quartz phenos w/ embayments - also tr-1% pheno augite : circular; secondary.				
					820-825				820-840 FRACTURED			
					845-850							
									865-885 FRACTURED			
					870-875							

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R88-490

Drill Type _____ Casing Depth _____ State _____ Sheet 6 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			80	2	875-880		Tgtp				
					895-900						
									910 - 915 FRACTURED		
									(910 - 955) tr - 1% FeS_2, 30-40% OXIDE		
					920-925						
									925 - 930 FRACTURED		
					945-950						
									(955 - 975) tr - 1% FeS_2, 3-5% OXIDE		
					970-975						
									975 - 985 FRACTURED. (975 - 985) tr - 1% FeS_2, 10-20% OXIDE		
					995-1000				(985 - 1005) tr - 1% FeS_2, 1-5% OXIDE		
								(1000 - 1010) dk gray matrix	1000 - 1025 FRACTURED		
								(1010 - 1020) lime green matrix	1005 - SULFIDE 1-2% FeS_2		
					1020-1025			(1020 - 1075) dk. gray matrix			
					1045-1050						

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R88-490

Drill Type _____ Casing Depth _____ State _____ Sheet 7 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			801		1050-1055		Tgtp				
					1070-1075						
								(1075-1095) lite green matrix			
									1085-1095 FRACTURED.		
									(1085-1095) tr-1% FeS_2, 3-5% OXIDE		
					1095-1100			(1095-1190) dk gray matrix			
									(1095-1205) tr-1% FeS_2		
									1110-1155 FRACTURED		
					1120-1125						
					1145-1150						
					1170-1175						
									1180-1225 FRACTURED		
								(1190-1260) med. gray matrix			
					1195-1200						
									(1205-1220) tr-1% FeS_2, 10-15% OXIDE.		
					1220-1225				(1220-1260) tr-1% FeS_2, 4-5% OXIDE		

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R88-490

Drill Type _____ Casing Depth _____ State _____ Sheet 8 of 8

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlill, Replacement)	TYPE	ASSAY: Au	ASSAY: Ag
			30	1	1225-1230		Rp					
					1245-1250							
			✓	1	1255-1260		✓					
								HOLE TD @ 1260'				

DRILL CUTTING LOG

Logged by: _____