Contractor _____ Coordinates _____ Project _____ Hole No. R88-461

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 7

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
			60	3	175-180		Tzp					
									(190-205) 1-2% FeOx, 1-3% jarosite			
					195-200							
									(205-215) 1-2% FeOx, tr-1% jarosite			
									(215-275) tr-2% jarosite			
					220-225							
					245-250							
					270-275							
								(275-340) dk. gray matrix, unaltered tr-2% quartz, pyrite, silicified matrix.	275-	SULFIDE 1-3% FeS2 disc	*	
					295-300							
					320-325							
							?	(340-) tr-2% quartz, pyrite; tr amorphous blebs silificed matrix unaltered.				
					345-350							

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R88-461

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of 7

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, Veinfill, Replacement / TYPE	ASSAY Au	ASSAY Ag
			60	1	350-355		Ttp				
					370-375						
					395-400						
								(405-415) 2-3% PC schist			
								(405-) quartz phenos prismatics	(410-470) 3-5% FeS_2 diss		
					420-425						
								(430-440) tr-1% PC schist			
								(440-445) 5-7% PC schist			
					445-450						
					470-475				(470-515) 1-3% FeS_2 diss		
					495-500						
									(515-525) 4-6% FeS_2 diss		
					520-525						

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R88-461

Drill Type _____ Casing Depth _____ State _____ Sheet 4 of 7

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, Veintill, Replacement) / TYPE	ASSAY: Au	ASSAY: Ag
			60	1	525-530		Tkp		(525-545) 2-4% FeS_2 diss		
					545-550			(545-575) dk. indigo blue/gray matrix w/ marginitic FeS_2 dissimation w/in matrix	(545-575) 7-9% FeS_2 diss		
					570-575			(575-615) dk. gray matrix w/ 1-3% rims yellow clay alterations	(575-600) 2-4% FeS_2 diss		
					595-600				(600-635) tr-2% FeS_2 diss		
					620-625			(615-645) dk. gray matrix unaltered			
									(635-675) 6-8% FeS_2		
					645-650			(645-670) lt. gray matrix, unaltered			
					670-675			(670-915) lt & dark gray matrix, unaltered	(675-695) 3-5% FeS_2 diss		
					695-700				(695-700) 5-7% FeS_2 diss		

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R88-461

Drill Type _____ Casing Depth _____ State _____ Sheet 5 of 7

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, Veinlit, Replacement) / TYPE	ASSAY Au	ASSAY Ag
			60	1	700-705		Tkp		(700 – 715) 3-5% FeS_2		
									(715 – 735) 5-7% FeS_2		
					720-725						
									(735 – 740) 3-5% FeS_2		
									(740 - 790) 5-7+ % FeS_2		
					745-750						
					770-775						
									(790 – 825) 3-5% FeS_2		
					795-800						
									(810-815) 5-7% OXIDE		
					820-825				(825 – 865) 2-3% FeS_2		
					845-850						
									865 – 920 FRACTURED		
					870-875				(865 – 945) 5-7% FeS_2		

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R88-461

Drill Type _____ Casing Depth _____ State _____ Sheet 6 of 7

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
			60	1	875-880		Tkp				
					895-900						
							?	(915 - 985) quartz amoeba blebs, no rock alt change or color change from previous Tkp			
					920-925				930 - 980 FRACTURED.		
					945-950				(945 - 960) 3-5% FeS_2		
									(960 - 970) 5-7% FeS_2		
					970-975				(970 - 975) 10-15% chip OXIDE 2-3% FeS_2		
									(975 - 985) 3-4% FeS_2		
							"	(985 - 995) dk gray matrix, black mineralization veining through Tkp chips	(985 - 1000) 2-5% FeS_2		
					995-1000			(995 - 1015) red gray matrix, unaltered planes lined w/ green mineralization	(1000 - 1065) tr - 2% FeS_2		
			10				PC	1015-1020 PRECAMBRIAN SCHIST w/ 10-15% Tkp			
			60		1020-1025		Tkp	1020 - 1035 TRACHYTE PORPHYRY w/ 20-30% PC schist			
			10				PC	1035 - 1065 PRECAMBRIAN SCHIST			
					1045-1050			(1045 - 1050) 40-45% PC chert			

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. RBB-461

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

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) 1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	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	Ag
									20	1	1050-1055		PC	(1050-1056) 95% PC chert				
									10		1060-1065			(1060-1065) 5-7% Tep				
														TD @ 1065'				
														- called post 90MTP				
														- drilling <10 ft/hr				
														- in PC boundary.				

DRILL CUTTING LOG

Logged by: _____