

512038

DRILL LOG SHEET

PROJECT : HAYES PEAK/UPPER STOWPORT

Hole No : US 1

COLLAR CO-ORDINATES : 2110N 1575E

LOCATION CODE : MQ 01

COLLAR R.L. : 240m O.D.

LOCATION : UPPER STOWPORT MAP/PHOTO REFERENCE : 54 402 210N 406 160 E	DATE STARTED	29-11-82	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE	DEVONPORT				
	DATE FINISHED	4-12-82	NON CORE	TRICONED	0	6	6m	NO OF TRAYS	10				
	TOTAL DEPTH	99-60M						SAMPLE STORAGE	DEVONPORT				
HOLE SURVEY DATA			LOGGED BY	P. A. RUXTON	CORE	NQ	18-00	54-20	36-2m	ASSAY LAB.	COMLABS		
INSTRUMENT :			CONTRACTOR	OVERLAND DRILLING CO.		BQ	54-20	99-60	45-4m	ASSAY REPORTS	DEVONPORT		
DEPTH	INSTRUMENT		ACID ETCH		REMARKS	RIG	WARMAN 250						
COLLAR	INCL.	AZ.	INCL.	AZ.	CLINO / COMPASS	DRILL CREW	W. EVERS DEN B. LOVELL	CASING	6" PVC	0	6	6m	MIN. & PET. LAB.
	-50°	240°						4" PVC	0	18	18m	MIN. & PET. REPORTS	
								CASING LEFT					

GRAPHIC / LETTER SYMBOL LOGGING KEY

	Medium grained schist Meta volcanic		Pyrrhotite		Pyrite
	Fine to coarse grained schist Meta sediment (bedded)		Arsenopyrite		
			Hematite	STRUCTURE / ALTERATION CODE	
			Limonite	B BEDDING	O OXIDATION
			Chalcopyrite	J JOINTING	V VEIN
				C CLEAVAGE	
				F FOLIATION	
				sh SHEARING	
				q QUARTZ VEINS	

DRILLING SUMMARY : This hole was drilled to test a combined max-min E.M. conductor and a broad gravity anomaly. Dip constraints from geophysical modelling tentatively suggested a westerly dipping source. Precambrian basic volcanics and shales of the Burnie Formation outcrop 20m south of the drill site. A steep dip of 80° west to vertical is recorded from these rocks. Vein related pyrite, pyrrhotite and arsenopyrite occurs. The hole was designed to test for a Sn-W-bearing replacement sulphide body within Precambrian basic igneous rocks. A sequence of metasomatized basic igneous and sedimentary rocks was intersected with minor sulphide (<2%).

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From	To	Inter'l (m)	Core Rec'd	% Rec'd	Sample NO	Grap'c Log	Assays								Magnetic Susceptibility			% Estimates			Core Angles			Alt.	T.B. P.B.	Description
							Sn	W	Cu	Pb	Zn	Ni	As	Mo	Po			B	V	F						
0	2	2			9162		<4	<10	170	12	30	120	22	4	450									0	SOIL - Large chips of weathered aphyric basalt Hm/Lim staining common, red soil, Po along fractures	
2	4	2			9163		10	15	150	<4	75	175	12	<4	38									0	SOIL - Weathered basalt chips, Hm/Lim coatings Po in fractures (<1%) Precambrian volcanics (i.e. metasomatically altered by Housatop granite intrusion)	
4	6	2			9164		<4	10	200	<4	170	210	4	<4	50									0	SOIL - Aphyric basalt - minor Hm/Lim coatings. Mottled weathered basalt.	
6	8	2			9165	X	<4	20	85	<4	55	125	2	<4	120										BASALT - Aphyric basalt chips, Tr po in fractures few weathered chips	
8	10	2			9166	X	<4	10	100	<4	55	130	<2	<4	220										BASALT - Aphyric basalt - large chips, Tr po + Hm/Lim on fractures. Drilling problems - ground very broken, rod-binding.	
10	12	2			9167	X	<4	<10	65	<4	80	130	10	<4	62										BASALT/DOLERITE - Black homogenous dolerite/basalt.	
12	14	2	WT		9168	X	4	15	65	<4	90	135	9	<4	54										BASALT/DOLERITE - Medium grained basic volcanic/intrusive - dolerite v hard WATER TABLE 12m	
14	16	2			9169	X	<4	<10	70	<4	50	115	7	<4	80										BASALT/DOLERITE - Greenish/black Amphibole and Po in fractures and veins Tr quartzite fragments	
16	18	2			9170	X	<4	<10	65	<4	46	105	10	<4											BASALT/DOLERITE - Partly silicified - (as above)	
18.00	20.5	2.5	2.4	95	19171	X	CORE DRILLING 18m																			18m - NQ coring. 18.1-29.3 Dolerite(?) Grey/brown schist composed of amphibole in random aggregates with interstitial plagioclase - Probably a highly metasomatized basic volcanic rock. Actinolite veins and fracture fills common associated Po (Py) Brecciation also common. Schist contains disseminated Po <2% + Tr tourmaline(?) 20.6 Carbonate vein/fracture fill 25° to CA
20.5	22.7	2.2	2.2	100	19172	X	<4	15	18	<4	60	100	20	<4											25°	
22.7	23.0	0.3	0.3	100	19173	X	<4	20	120	<4	90	195	16	<4											20°	
23.0	25.5	2.5	2.5	100	19174	X	<4	15	48	<4	80	110	4	<4	40										50°	23.2 Good example of characteristic blue colouration surrounding actinolite fracture fills and veins.

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