

002

DIAMOND DRILL RECORD

HOLE NUMBER: TH 7

LOGGED BY: D. Kilpatrick

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	gt Ag
0	1.2	1.2	0	Sand and soil from site development work												
1.2	7.1	5.9	100	Altered Medium Grained Grey Granite	1	2	0.01	<0.01	0.02	<0.1	<0.1	0.01	0.02	.002	<1	<0.01
				Gray quartz (6-8mm), white K-feldspar (4-8mm - mostly interconnected)		3	0.01	"	0.03	<0.1	0.1	0.02	0.06	<0.01	<1	0.01
				and greenish-yellow altered plagioclase (4-6mm) with chloritised		4	0.01	"	0.01	<0.1	<0.1	<0.01	0.02	<0.01	<1	<0.01
				biotite up to 3mm. (mostly within quartz grains at grain boundaries).		5	0.01	"	0.02	<0.1	<0.1	0.01	0.03	<0.01	<1	0.01
				Tourmaline occurs as isolated crystals or more commonly as veins		6	0.01	"	0.03	<0.1	0.2	0.01	0.02	<0.01	1	<0.01
				often with alteration halos which may be extensive.		7	0.01	"	0.03	<0.1	0.7	0.05	0.07	.002	3	0.01
				5.3-5.5m, Aplite vein associated with tourmaline-quartz-topaz		8	0.02	"	0.02	<0.1	1.2	0.04	0.05	<0.01	3	0.01
				veins (20° to core axis). Small greisen vein below aplite 50° to		9	0.03	"	0.02	0.2	1.1	0.48	0.79	.004	13	0.01
				core axis.		10	0.04	"	0.03	0.1	1.5	0.14	0.50	.006	6	0.01
				Pyrite occurs on some joint planes.		11	0.03	"	0.02	<0.1	0.8	0.09	0.40	.001	4	<0.01
				5.3-6.5m; More intense alteration around tourmaline vein -		12	0.01	"	0.01	"	0.4	0.05	0.36	<0.01	2	<0.01
				abundant chlorite - some leached (?) sphalerite, minor arsenopyrite		13	0.02	"	0.04	"	0.1	0.02	0.10	.001	1	0.01
				and pyrite.		14	0.02	"	0.01	"	0.1	0.02	0.10	.001	2	0.01
				Distinct contact to ...		15	0.01	"	0.01	"	<0.1	<0.01	0.02	.001	1	0.01
						16	0.01	"	0.01	"	<0.1	<0.01	0.01	.001	1	<0.01
						17	0.01	"	0.01	"	<0.1	0.01	0.03	.002	2	0.01
						18	0.01	"	0.02	"	<0.1	<0.01	0.01	.004	1	0.01
7.1	27.1	20.0	100	Fine-Medium Greisenised Granite: fine grained banded greisenised		19	0.01	"	0.02	"	<0.1	<0.01	0.02	.005	<1	<0.01
				granite becomes fine-medium and increases to medium - coarse at		20	0.04	"	0.02	"	0.3	0.01	0.21	.002	<1	<0.01
				base. White fine-medium grained quartz and two feldspars alters		21	0.04	"	0.02	"	0.2	0.01	0.07	.010	<1	0.01
				to quartz, chlorite, clay, serpentinous material		22	0.02	"	0.01	"	<0.1	0.01	0.08	.003	1	0.01
						23	0.02	"	0.02	"	<0.1	<0.01	0.10	.004	<1	<0.01
				7.1-7.3m; quite fresh aplitic fine white granite possibly		24	0.02	"	0.01	"	<0.1	<0.01	0.02	.001	<1	0.01
				chilled contact. Jointing 54° to core axis.		25	0.01	"	0.02	"	<0.1	<0.01	0.02	.002	<1	<0.01
				Two sets of veining neither corresponding to jointing:		26	0.01	0.01	0.02	"	<0.1	<0.01	0.02	.003	1	<0.01
				(i) sharp tourmaline veins (30° to core axis) have been cut by		27	0.02	"	0.03	"	<0.1	0.01	0.17	.001	1	0.01
				(ii) more diffuse greisen veins at right angles and 20° to core		28	0.01	<0.01	0.02	"	<0.1	0.01	0.04	.002	<1	<0.01
				axis.		29	0.01	<0.01	0.01	"	<0.1	0.01	0.03	.002	1	<0.01
				Below 7.3m, the core is much more altered, greisenised and		30	0.01	<0.01	0.02	"	<0.1	0.01	0.05	.003	<1	<0.01
				chloritised with abundant veining, mostly tourmaline, with a												
				variety of types of alteration haloes. Veins occasionally carry												
				sphalerite and pyrrhotite ± galena ± pyrite ± arsenopyrite -												
				these often have yellow-green serpentinous haloes surrounding												
				a more greisenous inner band. Sphalerite-tourmaline veins												
				average 25° to core axis. Other veins carry tourmaline and no												
				sulphide. These tourmaline veins average 30° to core axis.												
				A third set of veins have been cross-cut by the sphalerite												
				bearing ones at 8.0m - 8.2m. These have a grey haloe of leached												
				material and contain only remnant quartz, no chlorite and												
				minor very fine disseminated pyrite.												

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