

## DIAMOND DRILL RECORD

HOLE NUMBER : TH 7

LOGGED BY : D. KILPATRICK

NWPE

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO <sub>3</sub>
				10.6 - 11.0m; Altered section with apparently disrupted framework - alteration rather than tectonic texture.													
				12.8m; Tourmaline vein cut by greisen vein at 90° to each other (greisen = 32° to core axis, tourmaline = 18° to core axis)		30	31	0.02	<0.01	0.02	<0.1	<0.1	0.02	0.05	.001	<1	0.01
							32	0.02	"	0.03	"	0.9	0.03	0.52	<0.001	<1	<0.01
							33	0.01	"	0.02	"	0.1	<0.01	0.03	<0.001	<1	<0.01
				Below 15.6m the core becomes gradually less altered with occasional alteration horizons.			34	0.02	"	0.01	"	0.1	0.03	0.07	<0.001	<1	<0.01
							35	0.01	"	0.02	"	<0.1	0.01	0.11	<0.001	<1	0.01
				The core is grey-white fine-medium grained with quartz, two feldspars, abundant tourmaline blebs and veins and some greisen veins.			36	0.02	"	0.01	"	0.1	<0.01	0.05	<0.001	<1	<0.01
							37	0.02	"	0.01	"	<0.1	0.01	0.08	.001	<1	<0.01
							38	0.02	"	0.04	"	1.2	<0.01	0.01	<0.001	1	<0.01
				24.0-26.4m; Series of greisen bands with a pyrite quartz centre surrounded by yellow-orange clays surrounded by green chlorite greisen band surrounded by yellow or orange yellow-altered granite. These bands are at a low angle to the core axis and are cut by tourmaline veinlets and fractures at 25° - 30° to the core axis. Grey mica-rich greisen veins and blebs are common.			39	0.02	"	0.02	"	1.0	<0.01	0.02	.001	<1	<0.01
							40	0.03	"	0.01	"	0.3	0.01	0.08	<0.001	<1	0.01
							41	0.03	"	0.01	"	0.4	0.02	0.09	<0.001	1	0.01
							42	0.03	"	0.01	"	0.4	0.03	0.07	.001	<1	0.01
							43	0.01	"	0.02	"	0.2	0.01	0.02	<0.001	<1	<0.01
							44	0.01	"	0.02	"	<0.1	<0.01	0.02	<0.001	<1	0.01
							45	0.01	"	0.01	"	0.1	<0.01	0.01	.001	1	0.01
				Core becomes gradually coarser grained from around 18 metres - Gradational contact.			46	0.02	"	0.01	"	<0.1	0.01	0.02	.001	1	0.01
							47	0.01	"	0.02	"	0.1	0.01	0.03	<0.001	1	0.01
							48	0.01	"	0.01	"	<0.1	0.01	0.01	<0.001	<1	0.01
							49	0.01	"	0.01	"	0.1	0.01	0.02	.002	<1	<0.01
27.1	63.9	36.8	100	Medium to Medium-coarse grey granite; Grey - white fine medium core becomes gradually medium-coarse approximately 40m. Core consists of grey quartz (6-8mm) and mostly altered yellow or green-yellow plagioclase occasionally tabular (6-8mm) in a matrix of white k-feldspar and slightly chloritised biotite (0.5 - 2mm). The core is abundantly veined by greisen and tourmaline - filled joints at a variety of angles. Tourmaline veins ~28° to core axis. Greisen veins 15-25° to core axis.			50	0.01	"	0.01	"	0.2	0.01	0.02	<0.001	<1	0.01
							51	0.01	"	0.02	"	0.4	0.01	0.03	<0.001	<1	<0.01
				37-8m; fluorite-filled joints.													
				44.0 - 47.4m; Very altered chloritised yellow-green core of very altered feldspar and grey quartz - some tourmaline													
				51.6 - 51.8m; Broken alteration zone with abundant chlorite and minor pyrite, sphalerite and (?) chalcopyrite.													
				54.0 - 59.7m; Very altered, slightly broken core of chloritised and occasionally greisen core with minor pyrite on joint surfaces. (Minor sphalerite)		51	52	0.02	<0.01	0.03	<0.1	0.4	0.01	0.17	<0.001	1	0.01

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