

DIAMOND DRILL RECORD

HOLE NUMBER : FED 19

LOGGED BY : D. KILPATRICK

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
				Abundant joint planes (av. 20°-30° to core axis), occasionally slickensided.												
				Common tourmaline ± biotite ± muscovite (?) greissen veinlets occur with dark grey alteration haloe containing quartz and muscovite (20°-30° to core axis). Veins are often sinuous.												
				Occasional porphyroblasts of quartz-feldspar nodules up to 5cm diameter - cavities within these nodules contain rare to minor crystalline sulphides.												
				67-77m. Sulphide content increases to minor amount with depth, occurring as small disseminated blebs usually associated with joint planes.												
				94.6-101.3m: Alteration zone yellow and oxidised core with abundant shearing and fracturing. Possible minor fault at 100.9m.												
				Pyrite (±?) sphalerite) not uncommon on joint planes.												
110.1	114.2	4.1	100	Altered Porphyritic Granite - Alteration zone in medium-grained porphyritic horizon. Sharp contacts at 40° to core axis.												
114.2	160.4	46.2	100	Fine-Medium Grained Granite - Very similar to unit above (63.2-110.1m) - slightly chilled upper contact. A number of fractures occur with distinctive greissenous appearance. The central veinlet is filled with sulphide (?) pyrite. A 2cm wide olive green greis-enised tourmaline haloe surrounds the vein and contains disseminated sulphides and muscovite, with possible and minor carbonate component. A second layer 0.3cm to 0.5cm wide is dark grey with quartz and minor muscovite. The third is pale grey (0.5cm) with weathered feldspar and quartz. The successive layers are less altered with white and pink feldspars respectively, with distinct boundaries between bands.	159.4	160.4	0.01	0.01	0.01	0.1	0.1	0.01	0.01	0.004	1	0.01
						161.4	0.01	0.01	0.01	0.1	0.1	0.01	0.01	0.003	1	0.01
						162.4	0.01	0.01	0.01	0.1	0.2	0.01	0.02	0.005	2	0.01
						163.4	0.04	0.01	0.01	0.1	1.1	0.01	0.01	0.004	1	0.01
						164.4	0.02	0.01	0.01	0.1	0.3	0.01	0.01	0.003	1	0.01
						165.4	0.04	0.01	0.02	0.1	0.5	0.01	0.01	0.004	1	0.01
						166.4	0.01	0.01	0.02	0.1	0.2	0.01	0.02	0.003	1	0.01
						167.4	0.02	0.01	0.02	0.1	0.3	0.01	0.01	0.006	1	0.01
						168.4	0.03	0.01	0.02	0.1	1.1	0.01	0.01	0.001	1	0.01
						169.4	0.02	0.01	0.01	0.1	0.1	0.01	0.01	0.001	1	0.01
				127.5-129.7m, Argillised granite with abundant fractures (av. 40° to core axis). Quite broken core - RQD 25%. Oxidation dominant feature feldspars pink, yellow and quartz grey.	169.4	170.4	0.01	0.01	0.02	0.1	0.1	0.01	0.01	0.002	1	0.01
				Below argillised zone, low angle shearing, approximately 10° to core axis, is common. A few fine greissen veins occur, chlorite and sericite abundant in veins. Two zoned greissen veins similar to those above the argillised zone occur below it. (45°-38° to core axis)												
				151.4-152.3m, fine grained white aplite dyke; competent core. One joint plane has pyrite on surface - contacts 45° (upper) and 38° (lower) to core axis.												

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