

009

DIAMOND DRILL RECORD

HOLE NUMBER : FED 20

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	% WO <sub>3</sub>
				obscured by regrowth.													
				72.2m-74.7m. Very altered rock-granitic texture almost obliterated by chlorite greisenous replacement, only minor quartz remaining.		70	71	0.29	0.02	<0.01	<0.1	<0.1	<0.01	0.02	.018	4	0.01
				Some pyrite, mostly fine-grained.		71	72	0.01	0.02	0.01	<0.1	<0.1	<0.01	0.01	.005	<1	0.01
				74.7m-80.2m. Core again less altered grading from greisenised chloritised material to more quartz-clay rich rock with granitic texture and less chlorite and tourmaline.		72	73	0.04	0.02	<0.01	<0.1	0.2	<0.01	0.01	.005	1	0.01
						73	74	0.02	0.03	<0.01	<0.1	0.1	<0.01	0.02	.003	<1	0.01
						74	75	0.13	0.03	<0.01	<0.1	<0.1	<0.01	0.01	.006	<1	0.01
						75	76	0.01	0.02	0.01	<0.1	0.1	<0.01	0.02	.006	<1	<0.01
						76	77	0.07	0.01	0.01	<0.1	<0.1	<0.01	0.01	.005	<1	<0.01
80.2	96.5			<b>ALTERED MINERALISED MEDIUM GRAINED GRANITE</b>		77	78	<0.01	<0.01	<0.01	<0.1	<0.1	<0.01	0.04	.008	<1	<0.01
				Highly altered, occasionally greisenised material becomes less altered relic granite with depth. Tourmaline, chlorite and pyrite with serpentine, siderite and quartz and varying amounts of chloritisation.		78	79	<0.01	0.01	<0.01	<0.1	<0.1	<0.01	0.04	.005	<1	<0.01
				Occasional tourmaline veins and nodules.		79	80	0.01	0.01	<0.01	<0.1	<0.1	<0.01	0.02	.004	1	0.01
				82.4m-82.5m and 83.0m-83.2m. Fine grained (?) aplitic material completely altered (?) greisenised, with abundant fine pyrite, quartz and clay.		80	81	0.03	0.02	<0.01	<0.1	0.4	<0.01	0.01	.003	1	<0.01
				82.5-87m, very siliceous core with less green chlorite and (?) tourmaline.		81	82	0.14	0.01	<0.01	<0.1	0.3	<0.01	0.01	.005	1	0.01
				Below 87m, core is mostly greenish-grey, relic granite with feldspars altered to serpentine, siderite and clays and containing fine-grained disseminated sulphides, Siderite and clay minerals decrease with depth and rock becomes chloritised and slightly argillised granite.		82	83	0.52	0.03	<0.01	<0.1	1.0	<0.01	0.01	.005	<1	0.01
						83	84	<0.01	0.01	0.01	<0.1	<0.1	<0.01	0.03	.004	1	<0.01
						84	85	<0.01	0.01	0.01	<0.1	<0.1	<0.01	0.02	.002	1	0.01
						85	86	0.01	0.01	<0.01	<0.1	<0.1	<0.01	0.02	.003	1	<0.01
						86	87	0.02	0.01	<0.01	<0.1	<0.1	<0.01	0.02	.006	1	<0.01
						87	88	0.92	0.02	<0.01	<0.1	<0.1	<0.01	0.01	.005	<1	0.01
						88	89	0.13	0.01	<0.01	<0.1	0.1	<0.01	0.01	.005	<1	<0.01
95.5				<b>MEDIUM-GRAINED GRANITE</b>													
				Mostly quite fresh medium grained (?) red granite with yellowed feldspars and some biotite present-often quite altered to chlorite or completely removed.													
				99.4-101.0m Band of very altered relic granite with quartz, chlorite, serpentine and some relic feldspars. Not mineralised. Granite below this shows occasional pink feldspars.													
				105.2-106.9m, fine to medium grained aplitic band with occasional tourmaline - quartz - (?) topaz, porphyroblastic nodules. Prevalent fracture planes 30-35° to core axis.													
				Granite becomes fresher below this. Occasional greisen veins (av. 50°-60° to core axis) and occasional argillised zones.													
				136.5m, small aplitic band with pink colouring throughout.													
				Granite now has distinct red colouring of K-feldspars and green plagioclase.													
				139.3-139.9m, fine to medium-grained aplitic material with red feldspars and fine biotite flecks with quartz and white (?) plagioclase. Sharp contacts with medium grained host of 30° to core													

714071