

## 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.	% Al.	% S.	% Pb.	% Zn.	% Bl.	g/t Ag
29.3	34.5	5.2	100	<p>Fine-Grained White Granite - pale creamy white fine grained slightly broken core of quartz, white and yellow feldspar and biotite - average grain size of all minerals 2mm. Rare pyrite blebs up to 3mm Quartz phenocrysts occasional - av. 5mm. Occasional large diffuse quartz - (?) topaz - tourmaline porphyroclasts up to 10cm across. Quartz porphyries are grey and opaque (fluid inclusions (?)). Rare apple green siliceous alteration mineral.</p> <p>Contact approximately 25° to core axis.</p>												
34.5	35.9	1.4	100	<p>Medium Grained Porphyritic Granite (as described above). Joint plane at 10° to core axis.</p>												
35.9	63.2	27.3	1--	<p>Fine Grained Granite - white or pinkish fine grained or porphyritic fine grained competent core generally as described above (29.3 - 34.5m) fairly altered (chlorite and clay) and sheared between 37.5-41.5m.</p> <p>38.9-45.1m; Porphyritic horizon; pink feldspars and altered creamy-yellow plagioclase with tourmaline rich porphyroblastic nodules up to 8cm across. Some modules show pinkish alteration rim possible due to albitization.</p> <p>51.3-63.2m, zone of altered porphyritic fine to medium grained granite. Plagioclase porphyroblasts are stained yellow and up to 8mm across. Occasional (biotite) tourmaline nodules and some pink colouration of feldspars. This zone is frequently sheared and broken with oxidation staining associated with fracturing shearing planes average 20° to core axis with rare conjugate joints at 55° to core axis.</p> <p>Occasional tourmaline (?) biotite filled veinlets with alteration haloe which includes muscovite and biotite in a leached zone. NB Feldspar phenocryst has developed across the veinlets, hence possibly post-dates veinlet, at 56.6m. Veinlet at 28° to core axis.</p> <p>Core become less altered with pale green plagioclase at base.</p>												
63.2	110.1	46.9	100	<p>Fine-Medium Grained White Granite - pale grey to white and altered yellowish core of feldspar and quartz with less and finer grained biotite than porphyritic unit above. Unit contains abundant tourmaline ± quartz ± biotite ± (?) topaz nodules up to 5cm diameter. The upper contact has a 'chilled' appearance and is silicified and dark grey green in colour with pink feldspar bands and abundant fine dark green needles of tourmaline.</p>												

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