



DIAMOND DRILL RECORD

HOLE NUMBER : BT 93

LOGGED BY : L.MARTIN

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
0	1.5	0	-	SAND: Coarse grained, light yellow, iron-oxide stained.												
1.5	5.0	0.2	5.7	POIMENA GRANITE: Coarse grained, porphyritic. Yellow, iron oxide stained; broken up and crumbly core.												
5.0	13.0	0.8	10	APLITE TO FINE GRAINED GRANITE: Very fine grained, cream coloured, iron-oxide stained with stronger staining on joints. Boundaries obscured by core loss.												
13.0	17.0	1.1	27.5	POIMENA GRANITE: Similar to rock 1.5 - 5m. Very crumbly core.												
17.0	17.8	0.72	90	APLITE: Very fine grained, yellow-brown, iron-oxide stained. Core very fractured, broken up and crumbly; boundaries obscured by core loss.												
17.8	18.6	0.72	90	POIMENA GRANITE: Similar to rock 1.5 - 5m. Very crumbly core. Lower boundary sharp at 40°. No apparent reaction to lower unit.												
18.6	32.3			APLITE:												
		1.52	95	18.6 - 20.2m: Very fine grained, yellow brown, iron oxide stained core; very fractured and broken up.												
		7.35	100	20.2 - 27.55m: Light pink to light grey, with minor darker grey - green irregular patches of fine altered mica with rare specks of chalcocopyrite. Fairly fractured core.												
		1.45	100	27.55 - 29.0m: Light green zone with areas of fine specks of black biotite. Gradational boundaries.												
		3.3	100	29.0 - 32.3m: Similar to 20.2 - 27.55m. Lower boundary sharp at 15°.												
32.3	56.9			POIMENA GRANITE:												
		3.5	100	32.3 - 35.8m: Coarse grained, porphyritic, pinkish-grey with slight pinking of feldspars. Minor dark grey aplite veins, <2cm wide, at 40° - 60°. Pegmatite vein at 35.56 - 35.7m, 3cm wide, at 40°, with dark grey reaction halo in Poimena granite, consisting of dark grey mica and grey quartz.												
		19.6	100	35.8 - 55.4m: Grey granite with light grey feldspar. Minor zones where granite is slightly altered and crumbly. 42.23 - 42.47: Vein of mixed pegmatite, aplite and fine grained granite, with light pink feldspars and asicular black biotite. Boundaries sharp, upper at 45°, lower at 40°. Minor pinking of feldspar in Poimena granite for 30cm on either side of vein. 45.73 - 45.84: Sheared pegmatite vein of quartz and light green altered mica; 2cm wide at 40° dark grey alteration halo of fine biotite and dark grey quartz for first 10cm, grading into Poimena												

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FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
				granite with slight pinking of feldspars. 48.91 - 49.98m: Sheared pegmatite vein as above, but 1cm wide at 35°. No pinking of feldspars in surrounding Poimena granite. 49.91 - 50.26m: Aplite to fine grained granite vein, light grey, very minor mica; sharp boundaries at 30°. 55.4 - 56.9m: Light pinking of feldspars. Medium green alteration of micas and feldspar for last 15cm very crumbly core.												
56.9	60.72	3.82	100	DOLERITE DYKE: Dark grey to green fine grained rock with minor altered phenocrysts. Some zones completely altered to green clay. Boundaries are sharp and marked by some white to cream talc or carbonate veins sub-parallel to the contact, upper at 15°, lower at 45°.												
60.72	70.80	10.08	100	POIMENA GRANITE: Coarse grained, porphyritic, light pink, altered and very crumbly in places. Last 30cm of granite altered, soft, crumbly and light grey. Lower boundary sharp at 5° and marked by 1cm wide band of silica.												
70.80	73.1	2.3	100	DOLERITE DYKE: Dark grey to green fine grained with minor altered light green phenocrysts. Lower boundary sharp but irregular at approx. 45°.												
73.1	74.45	1.35	100	POIMENA GRANITE: Coarse grained, porphyritic, light green to grey, altered and crumbly. Micas and some feldspar grains are altered, light green and clayey.												
74.45	75.85	1.4	100	APLITE: Fine grained, light pink-grey, vaguely banded. Slightly altered and crumbly but with some harder fresher zones. Sharp upper boundary at 25°. Very crumbly core at lower boundary. Dark grey siliceous vein with irregular boundaries at approx. 20°, at 74.53m. Pegmatite-greisen zone at 75.26 - 75.38m. First 5cm is composed of coarse pink feldspar, cream feldspar, grey quartz and minor very fine dark grey mica. This grades into fine grained dark green to grey mica rich greisen. Upper boundary of unit sharp at 85°. Gradational lower boundary at approx. 75°.												
75.85	84.0	8.15	100	POIMENA GRANITE: 75.85 - 76.82m: Coarse grained, porphyritic light green to grey, altered and crumbly. 76.82 - 82.85m: Fresh, hard and grey, minor pinkish zones. 82.85 - 84.0m: Slightly altered and pinkish, with some feldspars and micas altered to light green clay for last 30cm. Lower boundary												

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.											
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃
				sharp at 80°.													
84.0	85.35	1.35	100	<p><u>APLITE:</u> Very fine grained light grey to pink with darker grey patches. Minor patches of coarse grained pegmatite. Gradational lower boundary over 3cm, marked by chunks of coarse grained granite in aplite matrix.</p> <p>84.49 - 84.94m: Fine grained, light pink feldspar rock; coarser at boundaries, with some dark green micas and some very coarse pegmatite of quartz and pink feldspar.</p>													
85.35	113.09	27.74	100	<p><u>POIMENA GRANITE:</u></p> <p>85.75 - 85.8m: Coarse grained, porphyritic, altered light green to pink, and very crumbly. Feldspars and micas altered to clays.</p> <p>85.8 - 86.15m: Mixed zone of altered and greisenized light green aplite and Poimena granite. Gradational upper boundary, sheared lower boundary at 65°.</p> <p>86.15 - 88.44m: Light pink slightly altered, crumbly in zones.</p> <p>88.44 - 89.51m: Zone of fine grained, light cream to pink aplite, with grey patches. First 20cm are altered and greisenized.</p> <p>89.51 - 99.29m: Coarse grained, pinkish Poimena granite. Slightly altered with some crumbly zones. Minor aplite veining, 1-2cm wide at 35° - 45°. Last 20 cm are light pink, with all micas altered to light green clay. Light greyish pink aplite vein at 93.00 - 93.10m with sharp boundaries at 45°.</p> <p>99.29 - 99.85m: Dark grey to black greisenized zone of coarse grained dark grey quartz and clumps of fine grained black biotite. Greisenizing vein oriented at 30°, at 99.54m, 1cm wide and filled with a fine grained light brown mineral (carbonate?).</p> <p>99.85 - 100.94m: Pinkish coarse grained, Poimena granite.</p> <p>100.94 - 101.24m: Aplite/quartz-feldspar rock. Fine grained light pink, with sharp upper and lower boundaries at 40°. Slight black biotite concentration in the coarse grained granite at the boundaries with the aplite.</p> <p>101.24 - 102.4m: Pinkish coarse grained Poimena granite. Minor greisenizing veins with dark grey biotite-quartz selvages and some thin aplite veins <1cm wide. Gradational lower boundary.</p> <p>102.4 - 106.4m: As above unit but grey and hard. Minor veins and patches of aplite and greisen. Last 60cm are pinkish, altered and crumbly.</p> <p>106.4 - 109.5m: Bright pink and altered, with bright pink feldspar. Micas mostly altered to light green clay. Very minor zones with flakes of fresh black biotite. First 1.50m are very crumbly.</p>													

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag
		4.85	100	134.5 - 139.35m: Description similar to unit 118.5 - 124.48m, Gradational boundaries. Dark green mica rich greisen zone at 136.46 - 136.9m. Description similar to unit 124.48 - 134.5m. Band of cassiterite grains at 131.96 at 90° and approx. 3cm wide.												
		8.7	100	139.35 - 148.05m: Fine grained, very slightly altered, light brown with a pinkish tinge.												
		5.29	100	148.05 - 153.34m: Description similar to unit 118.5 - 124.48. Dark green mica rich zone at 148.25 - 148.9; similar description as for 124.48 - 134.5m. Greisenized zone at 152.2- 153.34m, of medium grey, 'sugary' textured rock with clumps of fresh black biotite and altered light green muscovite. Gradational boundaries.												
		2.16	100	153.34 - 155.5m: Fine grained slightly altered light brown rock with a pink tinge, similar to unit 139.35 - 148.05m.												
		1.8	100	155.5 - 157.30m: Fine grained greenish brown, slightly to moderately altered. Similar to 118.5 - 124.48m. Gradational boundaries.												
		1.95	100	157.3 - 159.25m: Fine grained, brown with pinkish tinge similar to 139.35 - 148.05m.												
		0.95	100	159.25 - 160.2m: Medium grained, moderately greisenized, dark grey to dark green, 'sugary' textured rock similar to 124.48 - 134.5m. Gradational boundaries.												
		2.2	100	160.2 - 162.4m: Fine grained, medium green, slightly altered. Similar to 118.5 - 124.48m.												
		7.41	95	162.4 - 170.2m: Fine to medium grained, light brownish with minor to no alteration. Moderate fracturing with white talc and clay filled fractures.												
		2.13	90	170.2 - 172.57m: Fine grained light green, very altered and crumbly. Micas and most of the feldspars have been altered to cream clays. Very minor dark green altered biotite. Abundant light green clay veins with minor yellow clay veins.												
		1.67	90	172.57 - 174.43m: Similar to above but slightly greisenized and 'sugary' textured, with abundant fresh black biotite flakes. Core quite fractured, crumbly and altered with cream clay filled veins.												
		4.11	90	174.43 - 179.0m: Similar to unit 170.2 - 172.57m. Very minor spots of molybdenite.												
				END OF HOLE.												

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