RENISON LIMITED - DRILL CORE RECORD

021

HOLE NUMBER	FED 23
PURPOSE	Test for mineralisation at depth on Eastern end of geophysical/geochemical anomaly.
LOCATION	ANOMALY 1, AGNEW GRID
COLLAR R.L.	299.3
CO-ORDINATES	5358607.3 N, 341733.6 E
LENGTH	232·8 m.
HOLE SIZE	0 - 4.5 HQ 48 -23.5 NQ 23.5 -232·8 BQ
DATE DRILLED	20/2/82 - 6/3/82
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	
LOGGED BY	D. KILPATRICK
COMMENTS	Unexpected deviation of 16° to the east caused hole to miss target by approximately 40m.

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Proj. Total
0	036	41°	0-18.5	18.5	12.14	12.14	13.96	13.96
37	039	41	18.5-56.5	38.0	24.93	37.07	28.68	42.64
76	042	40	56.5-95.5	39	25.07	62.14	29.88	72.52
115	045	40	95.5-134.5	39	25.07	87.21	29.88	102.40
154	046	39.5	134.5-173.5	39	24.81	112.02	30.09	132.49
193	049	39.0	173.5-212.5	39	24.54	136.56	30.31	162.80
232	052	38.5	212.5-732.0	19.5	12.14	148.70	15.26	178.06

SUMMARY - ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS													BCA
				Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t				

NAPS 27344

7140883

022

DIAMOND DRILL RECORD

HOLE NUMBER : FED 23

LOGGED BY : D. Kilpatrick

NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
0	3.8	0	0	Norecovery - mostly sand and soil and tree roots from site work.													
3.8	94.7	90	95	MEDIUM-COARSE, RED-WHITE GRANITE Mostly fresh or weakly altered granite with pink K-feldspar (average 8-10mm), white or slightly greenish white plagioclase (av. 5-6mm) and blue-grey quartz (av. 4-6mm) with biotite in quartz -K-feldspar boundaries (av. 1-2mm, up to 6mm in aggregates). Tourmaline grains up to 8mm long occur occasionally. Alteration in the upper twenty metres is probably due to surface weathering with rusting and oxidation surfaces present and chloritised biotite. 0-20m; RQD = 30-40%. No obvious jointing orientation but quite broken. Below 20m the core becomes fresh-pink K-feldspar, grey quartz, greensih white plagioclase and black biotite. Twinning obvious on K-feldspar. 31.7-32.7m; Plagioclase altered to softer yellow material. Jointing at 40°-50° and 130° to core axis. 32.7-33.0m; Aplite, fine grained pink aplite with pink K-feldspar, white plagioclase and grey quartz contact at 25° to core axis. 33.0-33.7m; Altered red granite with yellowed plagioclase. 37.0-40.0m; Altered broken granite RQD = 0-10%. Biotite is chloritised. Plagioclase yellowed jointing common, 50° to core axis. 40.0-40.8m; Aplite fine grained creamy aplite with some pinkish tint. Rare pyrite and occasional tourmaline blebs. Below the aplite, the core sometimes has a porphyritic appearence with some poorly formed K-feldspar phenocrysts K-feldspar becomes dominant over quartz and plagioclase is less abundent. 50-53m; Tourmaline filled joint planes and veins are oriented 30°-40° to core axis. The K-feldspars are generally more ragged and embayed than above (0-40m). This may be due to overgrowth or regrowth over the quartz and plagioclase. Alteration rims around both feldspars are common. Tourmaline blebs occur occasionally. The weakly porphyritic appearence is due in part ot sericitised plagioclase grains being more obvious and also the ragged non-descript appearence of K-feldspar. Occasional lenses of fine grained aplite inclusions with K-feldspar rim (eg. 60.1m).												

714084

DIAMOND DRILL RECORD

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INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO₃
				58.8-50.1m, jointing at 20°-30° to core axis. - rusting on surface, large bleb of pyrite grains 2cm across.													
				61.5-62.5m: jointing at 40°													
				66.7-66.8m; broken zone of slightly argillised granite - plagioclase completely altered to clays.													
				71.0-71.5m; jointing at 60°-70°, with tourmaline on surfaces.													
				75.8-76.2m; Altered oxidised granite at (?)fracture zone. A second rust-stained zone occurs at 81.4-81.5m. (30° to core axis)													
				85.7-86.3m; Aplite - pinkish fine grained aplite of quartz, pink and yellow feldspar and biotite blebs. Narrow alteration halos in host rocks shows plagioclase altered to greenish yellow chlorite. A lot of disseminated biotite at contact.													
				From approximately 80 metres down, the core changes from grey and red to yellow and red as alteration of feldspars increases.		91	93	.01	<0.01	.02	<0.1	<0.1	<0.01	.02	<0.001	<1	0.01
							94	.01	<0.01	.02	<0.1	<0.1	.01	.02	0.004	<1	<0.01
				87.7-94.7m; core is banded with fresh red-grey granite, white-grey granite and quite altered greenish yellow-grey core.			95	.01	<0.01	.01	1.0	0.6	.01	.02	.008	<1	0.01
				94.2-94.7m; quite altered soft talc-like yellow-brown chlorite after plagioclase and greenish grey altered K-feldspar.			96	.01	.01	.04	7.2	1.5	.01	.07	.076	4	<0.01
							97	.01	<0.01	.03	2.3	2.0	.01	.09	.014	1	<0.01
							98	.01	<0.01	.01	<0.1	<0.1	<0.01	.02	.001	<1	<0.01
							99	.01	<0.01	.01	<0.1	<0.1	.01	.02	.001	<1	0.01
94.7	96.7	2.0	100	GREISEN BAND			100	.02	<0.01	.01	<0.1	<0.1	<0.01	.02	<0.001	<1	<0.01
				Grey mottled rock of very altered greisenised granite. Granitic texture is poorly distinguished. Mostly quartz, muscovite, sericite, lesser chlorite, minor fluorite and abundent disseminated hard silvery sulphide, (?)arsenopyrite (av. 1-2mm). Upper and lower contact zones are less altered with minor muscovite and minor very fine disseminated sulphide.			101	.01	<0.01	.02	<0.1	<0.1	<0.01	.02	<0.001	<1	0.01
							102	.01	<0.01	.02	<0.1	<0.1	<0.01	.02	<0.001	<1	0.01
							103	.02	<0.01	.01	<0.1	<0.1	<0.01	.03	<0.001	<1	<0.01
							104	.01	<0.01	.01	<0.1	<0.1	<0.01	.02	<0.001	<1	<0.01
							105	.01	<0.01	.01	<0.1	<0.1	<0.01	.02	0.001	<1	0.01
							106	.02	<0.01	.01	<0.1	<0.1	0.01	.02	.003	<1	<0.01
							107	.01	<0.01	<0.01	<0.1	<0.1	<0.01	.02	.006	<1	0.01
96.7	102.0	5.3	100	PARTLY ALTERED GRANITE			108	.02	<0.01	.01	<0.1	0.1	<0.01	.02	.002	<1	0.01
				Pink or yellow granite quite broken RQD = 50% - medium grained.			109	.01	<0.01	.01	<0.1	<0.1	<0.01	.01	<0.001	<1	0.01
							110	.01	<0.01	.02	<0.1	<0.1	0.01	.01	<0.001	<1	0.01
102.0	104.0	2.0	100	ALTERED PARTLY GREISENISED GRANITE			111	.01	<0.01	.01	<0.1	<0.1	<0.01	.02	<0.001	<1	0.01
				Creamy grey core of quartz, creamy K-feldspar, black or dark green sericitised plagioclase. Quite broken. Sulphide rare. Medium grained.			116	.07	<0.01	.01	<0.1	1.2	<0.01	.03	0.019	<1	0.04
						112	113	.01	<0.01	.01	<0.1	<0.1	<0.01	.02	<0.001	<1	<0.01
104.0	105.1	1.1	100	ALTERED GRANITE													
				Creamy yellow core of quartz creamy or slightly pinkish K-feldspar and greenish yellow plagioclase. Jointing 35° to core axis. Medium grained.													

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KWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g t Ag	% WO_3
105.1	108.6	3.5	100	WEAKLY ALTERED GRANITE													
				Pink and yellow feldspar with fresh biotite. Medium grained.													
108.6	111.3	2.7	100	APLITE													
				Fine grained pink or yellowish green-grey aplite of quartz, feldspar													
				and fine disseminated biotite. Some coarser bands and base.													
111.3	112.4	1.1	100	GREISENISED GRANITE													
				Greisenised or chloritised green or greenish grey granite with													
				fluorite and pyrite accessory in more altered zones.													
112.4	145.8			MEDIUM-COARSE RED GRANITE													
				Moderately fresh ordinary red granite. Yellow and red feldspar,													
				grey quartz with mostly fresh disseminated biotite in quartz													
				concentrated at grain boundaries. Upper 7 metres is quite broken													
				along joint planes- 45°-65° to core axis. Below this the main													
				jointing orientation is 35° to core axis. Core has slightly													
				porphyritic appearence especially 135-140m but this is mainly due													
				to ragged K-feldspar grains and alteration rims around the													
				plagioclase.													
				Gradational contact at													
145.8	183.6	37.8	100	GREY MEDIUM-COARSE GRANITE													
				Grey medium coarse grained granite of white or slightly pink													
				K-feldspar (8mm - 30mm, av. 15mm) and small creamy yellow or													
				greenish pale grey plagioclase (0.4-0.6mm) in a quartz matrix.													
				The K-feldspar is generally ragged occuring often as aggregates of													
				medium grained crystals, which may be tabular. Biotite occurs in													
				quartz at grain boundaries. (av. 2mm). Grains are usually													
				disseminated, occasionally as larger aggregates. Rare pyrite													
				grains (4mm). Rare porphyroblastic tabular K-feldspar up to													
				15mm x 10mm. Occasional siderite veins. In more altered zones													
				the plagioclase has been altered to yellowish green sericite													
				eg. 165.7-166.6m. Occasional greisen veins eg. 172.5m, 176.1m.													
				Quite distinct contact at.....													
183.6	187.1	3.5	100	MEDIUM COARSE RED GRANITE													
				Reddish medium coarse granite; weakly porphyritic appearence.													
				Pink K-feldspar, white or greenish plagioclase and grey quartz													
				with rare phenocryst of fine-grained siliceous aplitic material with													
				flecks of biotite.													

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DIAMOND DRILL RECORD

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swps

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g t Ag	% WO₃
				The porphyritic appearence of the granite is due to altered rimmed plagioclase hence the texture is less obvious in fresher zones. Minor pyrite occurs either disseminated or as sinuous aggregates along grain boundaries.													
187.1	187.8	0.7	100	APLITE Fine to fine-medium grained banded grey and pink aplite with small biotite nodules (2mm) and minor muscovite. Small subeuhedral feldspar phenocrysts (4mm) occur at contact and with some bands. Contact 45° to core axis. Unit is probably chilled margin of unit below. Gradational contact over 20cm to													
187.8				GREY FINE-GRAINED PORPHYRITIC GRANITE Fine grained, grey quartz-feldspar biotite matrix (average grainsize 2-3mm) with abundent medium to coarse grained plagioclase and K-feldspar phenocrysts. These range widely in size and shape from 0.5cm to 1.5cm sometimes tabular mostly nebulous shapes. Grains are white or greenish white and pale pink. The plagioclase are often rimmed. Some greisenised horizons have chloritised yellow-green altered plagioclase. Pyrite and small tourmaline nodules occur occasionally. 196.8-198.5m; Alteration zone - slightly broken and with yellowed feldspar. 198.5-210.9m; Core almost identical with material above alteration zone but with pink K-feldspar. Plagioclase is green or yellow and has a more prominent pale yellow alteration rim. Occasional grey nebulous blebs of (?)quartz-tourmaline-topaz and some ragged tourmaline nodules with reaction rim. Small greisen veins occur at 203.7m (40° to core axis) and 206.6m. 210.9-232.8m; Grey fine/medium grained porphyritic granite. Core is similar to above but with a coarser ground mass and widely varying grainsize with a result that the core appears less porphyritic. A griesenous aplite with pyrite of the joint surfaces occurs at 314.8-215.3m. Griesenised joints occasionally carry minor pyrite. Some zones occasiated with griesenisation appear slightly silicified. Grey blebs of quartz-tourmaline-topaz are occasional to common. Pyrite is rare to minor in the porphyritic granite.												
				Hole Terminated at 232.8m													

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