RENISON LIMITED - DRILL CORE RECORD

006

HOLE NUMBER	FED 20
PURPOSE	To test western end of Geophysical/ Geochemical anomaly at shallow depth.
LOCATION	Agnew Grid, Anomaly 1
COLLAR R.L.	
CO-ORDINATES	
LENGTH	158.2m
HOLE SIZE	HQ 0-15m NQ 15-39m BQ 39-158m
DATE DRILLED	21/1/82 - 26/1/82
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	Excellent
LOGGED BY	D. Kilpatrick
COMMENTS	

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog. Total

SUMMARY - ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS												S.C.A.
				Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t	Fe		
	30	38	8	0.72	0.47	0.68	<0.1	15.95	0.12	3.09	0.046	<0.01	122.8	21.2		
	30	47	17	0.39	0.26	0.14	<0.1	9.56	0.06	1.50	0.026	<0.01	66.6	14.4		
	30	67	37	0.26	0.12	0.21	<0.1	7.02	0.03	0.86	0.016	<0.01	33.3	13.3		

RWPS 27344

714068

DIAMOND DRILL RECORD

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INTERVAL (m) FROM	INTERVAL (m) TO	RECOVERY m	RECOVERY %	DESCRIPTION	FORM.	% Sn. FROM	% Sn. TO	% Sn. TOTAL	% Sn. ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
0	14.5			SCREE		0	3	0.01	0.01	0.01	< 0.1	< 0.1	< 0.01	0.03	< 0.001	< 1	< 0.01
				Material mobilised during pad construction and alluvial sediments.		3	15	0.06	0.02	0.01	< 0.1	0.7	0.01	0.09	.001	2	< 0.01
				Sand trass and a boulder ((?)in-situ) of fresh red granite.		15	17	0.01	0.01	< 0.01	< 0.1	< 0.1	< 0.01	0.03	.002	< 1	< 0.01
						17	18	0.01	< 0.01	0.01	< 0.1	< 0.1	< 0.01	0.03	.001	< 1	< 0.01
14.5	14.7	0.2	100	APLITE		18	19	< 0.01	0.02	0.01	< 0.1	< 0.1	< 0.01	0.06	< 0.001	< 1	< 0.01
				Fine grained pale coloured quartz-feldspar rich aplite with abundant		19	20	0.02	0.03	0.01	< 0.1	0.2	< 0.01	0.18	.001	< 1	< 0.01
				sulphides, occasional tourmaline nodules and quartz-feldspar veins.		20	21	0.03	0.03	0.03	< 0.4	1.3	< 0.01	0.77	< 0.001	3	< 0.01
						21	22	0.02	0.02	0.02	< 0.1	0.8	< 0.01	0.48	< 0.001	2	< 0.01
14.7	18.3			ARGILLISED GRANITE		22	23	< 0.01	0.02	< 0.01	< 0.1	0.1	< 0.01	0.06	< 0.001	< 1	0.01
				Very altered, argillised, medium grained (?) red granite - very		23	24	< 0.01	0.01	0.01	< 0.1	< 0.1	< 0.01	0.12	.004	1	< 0.01
				broken. Jointing occurs at 35°-45° to core axis.		24	28	< 0.01	0.02	< 0.01	< 0.1	< 0.1	< 0.01	0.09	.002	< 1	< 0.01
18.3	37.7			MINERALIZED GRANITE		25	26	0.01	0.02	0.02	< 0.1	0.2	< 0.01	0.20	.003	2	< 0.01
				Yellowish or greenish-grey, medium-grained granite. Quartz, feldspar		26	27	0.06	0.04	0.03	< 0.1	2.0	< 0.01	0.18	.002	7	< 0.01
				and biotite partly or wholly replaced by fluorite, chlorite,		27	28	0.03	0.04	0.04	< 0.1	2.7	< 0.01	0.67	.005	9	< 0.01
				siderite serpentine, and clay minerals and sulphides mostly pyrite		28	29	< 0.01	0.02	0.01	< 0.1	< 0.1	< 0.01	0.10	.002	2	< 0.01
				with minor pyrrhotite and (?) chalcopyrite and veins of sphalerite.		29	30	0.08	0.03	0.02	< 0.1	0.6	< 0.01	0.21	.002	6	< 0.01
				18.3-18.6m, grey-green clays with purplish (?) quartz		30	31	0.59	0.38	0.58	< 0.1	11.7	0.11	6.56	.019	96	< 0.01
				24.2-25.1m, very broken zone (RQD = 0%) ((?)fault).		31	32	0.39	0.25	0.40	< 0.1	13.0	0.12	4.94	.011	56	< 0.01
				A pyrite vein cuts core at 55° to core axis.		32	33	0.04	0.04	0.04	< 0.1	9.5	0.03	0.15	.005	22	< 0.01
				27.0-27.5m, sulphide rich zone, fine to medium-grained pyrite, a lot		33	34	2.10	1.40	1.98	0.4	20.2	0.17	2.61	.115	310	0.03
				of the pyrite has been leached from the rock core is very broken.		34	35	1.60	1.00	1.42	< 0.1	14.8	0.17	2.48	.069	240	0.02
				Feldspar is present.		35	36	0.58	0.43	0.56	0.1	21.4	0.21	1.41	.086	155	0.01
				30.3-31.2m, massive sphalerite, pyrite and serpentine, chlorite.		36	37	0.29	0.20	0.35	0.2	26.8	0.09	5.67	.050	67	< 0.01
				Core below this band carries abundant sulphide up to 30%, consisting		37	38	0.14	0.11	0.14	< 0.1	10.2	0.04	0.90	.014	36	0.01
				either of pyrite-serpentine bands or massive pyrite-sphalerite		38	39	0.05	0.03	0.03	< 0.1	4.2	0.02	0.28	.001	11	0.01
				(± fluorite)-chlorite (?) quartz bands. Granitic texture is													
				generally retained. Sulphides appear to be replacing one of the feldspars													
				and (?) quartz.													
				35.4-37.7m, massive sphalerite-pyrite-pyrrhotite with fluorite-													
				quartz bands. Pyrite often occurs as fibrous feathery laths.													
				Granitic texture is retained but pyrite is replacing (?) feldspar.													

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DIAMOND DRILL RECORD

HOLE NUMBER : FED 20

LOGGED BY : D. Kilpatrick

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
37.7	40.5			MINERALISED FINE GRAINED GRANITE													
				Fine grained banded, aplite , sugary textured, creamy yellow or grey		39	40	0.03	0.02	0.01	<0.1	3.0	<0.01	0.03	.002	9	<0.01
				slightly broken core of quartz and feldspars with common pyrite or		40	41	0.05	0.03	0.02	<0.1	5.6	<0.01	0.06	.004	10	<0.01
				fluorite filled veins and disseminated pyrite and lesser sphalerite.		41	42	0.02	0.01	0.02	<0.1	3.1	<0.01	0.06	.001	6	0.01
				The lower half is more altered and leached with only minor feldspar		42	43	0.02	0.01	0.02	<0.1	2.5	<0.01	0.04	<0.001	2	0.01
				and more abundant chlorite present. The core is banded at 30° to		43	44	0.02	0.13	0.01	<0.1	0.1	<0.01x	0.03	<0.001	2	0.01
				core axis.		44	45	0.21	0.01	0.20	<0.1	5.4	<0.01	0.06	.010	31	0.01
						45	46	0.17	0.11	0.16	<0.1	2.8	<0.01	0.08	.006	14	0.01
40.5	44.5			ALTERED GRANITE		46	47	0.35	0.21	0.34	<0.1	8.3	0.07	0.41	.056	65	0.01
				Yellow or slightly serpentinised feldspars, quartz, chloritised		47	48	0.03	0.01	0.03	<0.1	5.4	<0.01	0.83	.014	9	0.01
				biotite or chlorite with varying amounts of massive and disseminated		48	49	0.03	<0.01	0.02	<0.1	8.2	<0.01	0.08	.010	5	0.01
				sulphides. Granitic texture retained. 42.7m mineralised greisen		49	50	0.03	<0.01	0.02	<0.1	6.5	<0.01	0.19	.007	4	<0.01
				vein-serpentine, chlorite, pyrite, sphalerite.		50	51	0.04	<0.01	0.05	<0.1	7.3	<0.01	0.60	.009	6	0.01
						51	52	0.04	<0.01	0.03	<0.1	4.5	<0.01	0.28	.007	3	<0.01
44.5	60.2			MINERALISED MEDIUM GRAINED GRANITE		52	53	0.04	<0.01	0.03	<0.1	7.4	<0.01	0.28	.006	2	<0.01
				Sulphide rich, medium-grained granite with greisenised appearance.		53	54	0.03	0.02	0.03	<0.1	6.3	<0.01	0.35	.007	4	0.01
				Granitic texture is quite altered to greyish green chloritised or		54	55	0.11	0.02	0.10	<0.1	5.4	<0.01	0.47	.008	11	<0.01
				serpentinised feldspars, quartz, minor interstitial disseminated		55	56	0.05	0.01	0.06	<0.1	7.0	<0.01	0.49	.007	10	<0.01
				tourmaline, and minor siderite with varying amounts of massive or		56	57	0.06	<0.01	0.08	<0.1	7.0	<0.01	0.43	.007	12	<0.01
				disseminated pyrite (up to 40% 47.8-48.0m). Porphyroblastic pyrite		57	58	0.03	0.01	0.02	<0.1	6.2	<0.01	0.22	.005	2	0.01
				aggregates up to 10mm diameter. Core varies from quartz-altered		58	59	0.04	0.01	0.03	<0.1	6.8	<0.01	0.15	.008	18	0.01
				feldspar-chlorite to very altered serpentine-chlorite-sericite-clay		59	60	0.02	0.01	0.03	<0.1	7.4	<0.01	0.31	.005	3	0.01
				± siderite with occasional mineralised greisen veins containing		60	61	0.03	0.02	<0.01	<0.1	0.5	<0.01	0.02	.004	1	<0.01
				pyrite and sphalerite (eg. 44.5-44.8m). Quartz decreases especially		61	61	0.08	0.02	<0.01	<0.1	2.0	<0.01	0.02	.008	< 1	<0.01
				in more highly mineralised zones. Fluorite is quite common and		62	63	0.02	0.03	0.01	<0.1	0.7	<0.01	0.02	.006	< 1	<0.01
				occasionally is surrounded by fine clay border. Sulphides between		63	64	0.33	0.02	0.01	<0.1	1.5	<0.01	0.15	.010	4	0.01
				55m-60m average 5-30% of the rock (mostly pyrite and sphalerite).													
				Sulphides are usually coarse crystals or blebs (average 4-6mm).													
60.2	61.2			MINERALISED FINE-GRAINED GRANITE													
				Fine grained, greenish grey rock, possibly aplite - chlorite,													
				sericite and disseminated pyrite.													
61.2	80.2			MINERALISED MEDIUM-GRAINED GRANITE													
				Mostly as described above. Greenish matrix of serpentinised													
				material with minor quartz, to less altered quartz clay rock with		64	65	1.08	0.03	0.06	<0.1	4.6	<0.01	2.14	.007	4	0.01
				relic granitic texture. Fine disseminated or large crystals of		65	66	0.71	0.01	0.01	<0.1	2.2	<0.01	0.19	.003	2	0.01
				sphalerite and lesser pyrite, siderite common.		66	67	0.19	0.01	<0.01	<0.1	0.3	<0.01	0.06	.004	< 1	0.01
				68.4m-72.2m, generally less altered material with only minor		67	68	0.04	0.01	0.01	<0.1	0.2	<0.01	0.11	.005	1	<0.01
				sulphide and less tourmaline and chlorite. Feldspars are replaced		68	69	0.02	0.01	0.01	<0.1	0.1	<0.01	0.11	.008	< 1	0.01
				by siderite and clays. Granitic fabric present but slightly		69	80	0.02	0.01	<0.01	<0.1	0.1	<0.01	0.01	.011	2	<0.01

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				obscured by regrowth.													
				72.2m-74.7m, Very altered rock-granitic texture almost obliterated		70	71	0.29	0.02	<0.01	<0.1	<0.1	<0.01	0.02	.018	4	0.01
				by chlorite greisenous replacement, only minor quartz remaining.		71	72	0.01	0.02	0.01	<0.1	<0.1	<0.01	0.01	.005	<1	0.01
				Some pyrite, mostly fine-grained.		72	73	0.04	0.02	<0.01	<0.1	0.2	<0.01	0.01	.005	1	0.01
				74.7m-80.2m, Core again less altered grading from greisenised		73	74	0.02	0.03	<0.01	<0.1	0.1	<0.01	0.02	.003	<1	0.01
				chloritised material to more quartz-clay rich rock with granitic		74	75	0.13	0.03	<0.01	<0.1	<0.1	<0.01	0.01	.006	<1	0.01
				texture and less chlorite and tourmaline.		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			ALTERED MINERALISED MEDIUM GRAINED GRANITE		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		78	79	<0.01	0.01	<0.01	<0.1	<0.1	<0.01	0.04	.005	<1	<0.01
				relic granite with depth. Tourmaline, chlorite and pyrite with		79	80	0.01	0.01	<0.01	<0.1	<0.1	<0.01	0.02	.004	1	0.01
				serpentine, siderite and quartz and varying amounts of chloritisation.		80	81	0.03	0.02	<0.01	<0.1	0.4	<0.01	0.01	.003	1	<0001
				Occasional tourmaline veins and nodules.		81	82	0.14	0.01	<0.01	<0.1	0.3	<0.01	0.01	.005	1	0.01
				82.4m-82.5m and 83.0m-83.2m. Fine grained (?) aplitic material		82	83	0.52	0.03	<0.01	<0.1	1.0	<0.01	0.01	.005	<1	0.01
				completely altered (?) greisenised, with abundant fine pyrite,		83	84	<0.01	0.01	0.01	<0.1	<0.1	<0.01	0.03	.004	1	<0.01
				quartz and clay.		84	85	<0.01	0.01	0.01	<0.1	<0.1	<0.01	0.02	.002	1	0.01
				82.5-87m, very siliceous core with less green chlorite and (?)		85	86	0.01	0.01	<0.01	<0.1	<0.1	<0.01	0.02	.003	1	<0.01
				tourmaline.		86	87	0.02	0.01	<0.01	<0.1	<0.1	<0.01	0.02	.006	1	<0.01
				Below 87m, core is mottly greenish-grey, relic granite with feldspars		87	88	0.92	0.02	<0.01	<0.1	<0.1	<0.01	0.01	.005	<1	0.01
				altered to serpentine, siderite and clays and containing fine-grained		88	89	0.13	0.01	<0.01	<0.1	0.1	<0.01	0.01	.005	<1	<0.01
				disseminated sulphides, Siderite and clay minerals decrease with													
				depth and rock becomes chloritised and slightly argillised granite.													
96.5				MEDIUM-GRAINED GRANITE													
				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 aplite band with occasional													
				tourmaline - quartz - (?)topaz, porphyroblastic nodules. Prevalent													
				fracture plane 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 aplite 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													

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				ax is, and joint planes have similar orientation (30°-40°). This aplite marks the boundary between the strongly pinked(?) red granite and the paler grey green unit below-sharp contact.													
139.9	146.2			PORPHYRITIC MEDIUM-GRAINED GRANITE Quartz, white (occasionally pink) and yellow feldspars and biotite with abundent feldspar phenocrysts (av. 8-10mm) usually rimmed. The unit is irregularly banded with fine-grained white aplite horizons, and sometimes contains quartz-biotite porphyroblasts and veins. 145.3-146.6m, band of pinkish corase porphyritic granite. 145.6m, greisen vein.												
146.2	158.2			COARSE-GRAINED GRANITE Grey and white granite of coarse grained quartz and feldspars and abundent biotite flecks with occasional greisen veins (eg. 140.4m-140.5m, 142.0m-142.1m) usually with halos of argillised material. 156.0-156.2m; Completely broken zone with some slickensides - small fault(?). Fracture planes at 42° to core axis.												
				Hole terminates in fresh granite at 158.2m												