RENISON LIMITED - DRILL CORE RECORD

743072

HOLE NUMBER	ML60
PURPOSE	To test for a cassiterite-bearing zone similar to the ML38 intersection in the main ore zone.
LOCATION	Mt. Lindsay
COLLAR R.L.	2490.6
CO-ORDINATES	31726.5 N 11093.1 E
LENGTH	265.0m
HOLE SIZE	0-45.5m HQ 45.5-143.0m NQ 143.0-265.0m BQ
DATE DRILLED	4/1/82 - 18/1/82
SIGNIFICANT CORE LOSS ZONES	191.0-246.0m 48.25m (ie. 88% loss)
ORE ZONE GROUND CONDITIONS	Very large cavities
LOGGED BY	P.A. Roberts
COMMENTS	This hole intersected the Main Ore Zone between 192.0m and 251.9m. From 192.0m-245.8m, no calcareous rocks were encountered, however only 5.65m of core was recovered, the rest being very large cavities. The cavities which were probably derived by groundwater solution of limestone, are most unusual at such depths at Mt. Lindsay. The hole failed to intersect a cassiterite-bearing zone. Drilling was abandoned after the lower four rods of the drillstring broke off after encountering a 7m cavity between 258.0m and 265.0m. No surveys were taken below 184.0m because of the risk to the camera in such broken, unpredictable ground.

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos Dip	Prog. Total
	(RMG)							
COLLAR	035°	-56°	0-15.0	15.0	12.4	2478.2	8.4	8.4
30.0	033°	-56°	-37.5	22.5	18.7	2459.5	12.6	21.0
45.0	034°	-56°	-52.0	14.5	12.0	2447.5	8.1	29.1
59.0	034°	-56.5°	-67.0	15.0	12.5	2435.0	8.3	37.4
75.0	037°	-55.5°	-79.0	12.0	9.9	2425.1	6.8	44.2
83.0	035°	-56°	-98.0	19.0	15.8	2409.3	10.5	54.8
113.0	035°	-55°	-128.0	30.0	24.6	2384.7	17.2	72.0
143.0	037°	-55°	-151.5	23.5	19.3	2365.4	13.5	85.5
160.0	036°	-54°	-172.0	20.5	16.6	2348.8	12.0	97.5
184.0	037°	-54°	-265.0	93.0	75.2	2273.6	54.7	152.2

SUMMARY - ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS										B.C.A.
				Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t	
"Main ore zone"	192.0	251.9	59.9	<0.01	~<0.01	—	—	—	—	—	~0.003	<0.01	~2	

072

HOLE No ML 60

SCALE : 1:1000 0 20 40 metres

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

743073

5 cm

DIAMOND DRILL RECORD

HOLE NUMBER : RL60

LOGGED BY : P. ROBERTS

RWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM
0.0	10.0	8.6	86	HORNFELSED TUFFACEOUS GRAYWACKES AND SHALES Dark grey, hard Greywackes, generally fine grained (av.1mm) with few larger clasts, rarely >1cm diameter, partly bedded. Shales also partly bedded, probably tuffaceous. BCA'S 40°-50°. Rare irregular veins of actinolite ±quartz. Badly broken on yellow clay-coated joints.	
10.0	45.5	35.3	99	HORNFELSED SHALES Dark grey, hard, similar to shales above. Mostly massive, minor bedding (BCA'S 30-50°). Rare clasts (≤1cm) suggest tuffaceous nature. Minor, irregular veins of actinolite ±quartz mostly ≤2cm thick. Thicker veins contain minor sulfides-pyrrhotite, pyrite and chalcopyrite. Broken on numerous flat joints - less broken from 0.0-10.0m, however. Rare microfaults. 29.05-29.20 Vein of actinolite, quartz, minor pyrite and chalcopyrite. VCA 35°.	
45.5	91.0	45.3	100	HORNFELSED SHALES AND TUFFACEOUS GREYWACKES Dark grey, grey-brown and grey-green. Greywackes generally fine grained (av. 0.5mm), few larger clasts. Minor bedding in both greywackes and shales (BCA'S 40-45°). Minor actinolite in veins and rounded altered patches 1-10cm across, ±quartz in thin (1-2mm) veins ± minor sulfides (pyrrhotite and pyrite). Core is bleached and pale green where there are abundant quartz veins and alteration. Broken on few flat joints and irregular breaks, badly broken where quartz veining is intense.	
91.0	117.0	26.0	100	HORNFELSED TUFFACEOUS GREYWACKES AND SHALES Similar to above except vein and alteration zones containing actinolite less frequent, thinner. Quartz veins rare. Tuffs contain rare rounded shaley clasts, generally elongated parallel bedding. Increasing tuffaceous content downwards. Broken on few joints and irregular fractures. Rare microfaults.	
117.0	168.9	51.9	100	HORNFELSED TUFFACEOUS GREYWACKES Dark grey, minor grey-green, hard; partly weakly bedded-BCA'S 35-60° (av. 45°). Fine grained, grainsize varying 0.5-1mm to <0.5mm, few larger clasts mostly ≤1cm. Minor alteration:(1) thin (≤10cm) green very fine grained zones of cal-silicate(?) ± minor sulfide (pyrrhotite and chalcopyrite). (2) small (≤4cm) rounded siliceous	

% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g't Ag	% WO.

073

743074

DIAMOND DRILL RECORD

HOLE NUMBER : ML60

LOGGED BY : P. ROBERTS

NWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sn.				% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO3
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.								
				patches, quartz with minor brown mineral + sulfides(?) in centre,													
				with outer rim of pale grey chalcedony. Rare thin (≤3mm) veins of													
				actinolite ± minor sulfide (chalcopyrite, pyrrhotite), also thin													
				(1mm) veins of quartz and/or pink feldspar (??). Few patches of													
				sparsely disseminated, fine grained (<0.5mm) sulfide patches of													
				apparently unaltered greywacke . Broken on flat joints, JCA'S 30-45°.													
				121.155 Magnetite-bearing horizon, M.S.0-6500, average 3000													
168.9	183.7	14.5	98	ALTERED, HORNFELSED SHALES AND TUFFACEOUS SILTSTONES													
				Dark brown, grey-green mottled, hard. Pale green alteration is													
				at least partly calc-silicate. Minor patches of pyrrhotite													
				disseminated finely and in larger (1-3mm) rounded blebs, particularly													
				in calc-silicate (?) zones. Also very minor pyrrhotite with quartz													
				in mostly thin (≤2mm) veins. Bottom 40cm of intersection is													
				silicified. Partly bedded. BCA'S 50-60°. Broken on few flat joints													
				(JCA'S 30-60°), and irregular breaks.													
183.7	185.1	4.4	100	ALTERED MINERALIZED CHERT(?)		183.7	184.7	<0.01	<0.01						0.003	1	<0.01
				Pale brown, hard. Banded - (bedded? BCA'S 45-60°) banding marked by		184.7	185.7	<0.01	<0.01						0.002	1	<0.01
				elongated blebs of pyrrhotite (5-10% of total). Minor bands of		185.7	186.7	<0.01	0.01						0.002	1	<0.01
				pale green, calc-silicate alteration with quartz and sulfides.		186.7	188.1	<0.01	<0.01						0.002	1	<0.01
				Broken on few pyrite coated joints and irregular fractures.													
188.1	192.0	3.8	97	ALTERED HORNFELSED TUFF, CHERT, SHALE AND QUARTZITE													
				Pale grey-green, pale green, brown, hard. Bedded (BCA'S 50-70°).													
				Visibly tuffaceous, with angular clasts 188.1-188.9m; very minor													
				sulfide (pyrrhotite and pyrite) disseminated and in veinlets.													
				Broken on few flat joints and irregular fractures.													
192.0	215.0	2.35	10	SILICEOUS CALC-SILICATE, MAJOR CAVITIES	[illegible]	192.0	194.0	0.01	0.01						0.002	2	0.01
				Pale brown, pale green, grey. Pale brown rock is vuggy, porous and	[illegible]	194.0	197.0	0.03	0.02						0.003	2	<0.01
				very badly broken, with green-brown crystals of axinite(?) or tourmaline(?), also	[illegible]	197.0	200.0	0.01	0.01						0.006	2	0.03
				minor pyrite in vug fillings - this material is evidently at the		200.0	203.0	0.01	0.01						0.003	2	<0.01
				edges of the large cavities. There are several small (<1cm thick)													
				patches of yellow-brown, soft sandy material attached to the vuggy		207.0	216.0	0.01	0.01						0.003	2	<0.01
				rock - this may fill part of the cavities. The pale grey, green													
				rock is mostly unbedded, hard and competent. Both rock types non-													
				calcareous. 20.65m core loss.													

74307S

DIAMOND DRILL RECORD

HOLE NUMBER : RL60

LOGGED BY : P. ROBERTS

NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.
215.0	245.8	3.3	11	HORNFELSED SEDIMENTS, MAJOR CAVITIES Grey, very hard, fine grained quartzite, and cherts. Bedded, BCA'S 25-40°. Corroded-looking sandy surfaces apparently mark the cavities. Trace veinlet pyrrhotite. 27.5m core loss.	HAW ore zone
245.8	251.9	6.1	100	LIMESTONE MINOR CHERT Pale grey, banded/bedded. Comprising limestone with fine grained granular appearance interspersed with veins or "beds" of coarsely crystalline calcite and beds of chert. BCA'S 30-40°. Very minor pyrrhotite either in veinlets with calcite or disseminated in the chert. Core competant - few irregular breaks.	" " "
251.9	253.9	2.0	100	MINERALIZED, SHEARED CHERT (?) Mottled grey and brown, very hard and siliceous. Severely sheared and brecciated. 10-20% pyrrhotite in blebby patches 0.5-10cm across interspersed with silica. Fault zone (?). Weakly calcareous near the top. Competent core.	
253.9	258.0	4.1	100	HORNFELSED SILICIFIED SEDIMENT Grey-brown, very hard, quartz-rich rock. Contains numerous veinlets of white quartz. Brown colour may be derived from dravite(?). No clear bedding except near top where BCA 20-30°. At least partly sheared. Very minor pyrrhotite in veinlets ±quartz. 255.3-255.5 Sheared silicified calc-silicate (?). Pale green, grey and brown. Very hard.	
258.0	265.0	0	0	No core-large cavity	
				END OF HOLE 265.0m	

% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
251.9	252.9	<0.01	<0.01	0.04			<0.01	<0.01	0.002	2	<0.01
252.9	253.9	<0.01	<0.01						0.003	2	<0.01