[redacted]ISON LIMITED - DRILL CORE RECORD

098

HOLE NUMBER	MH2
PURPOSE	To test for south-east extension of the mineralization intersected in MH1 and to intersect the contact with the ultra-basics.
LOCATION	Merton Hill
COLLAR R.L.	2186.42m
CO-ORDINATES	5379579.87mN; 367782.96mE (Line 1400E; 330mN)
LENGTH	148.5m
HOLE SIZE	0 - 3m H.W. 3 - 112m H.Q. 112 - 148.5m N.Q.
DATE DRILLED	20.11.80 - 15.12.80
SIGNIFICANT CORE LOSS ZONES	72.05 - 90.75m
ORE ZONE GROUND CONDITIONS	Mineralized Zone 1 - 77.5-90.75m very bad ground with large cavities Zone 2 - 103.80-108.0 excellent
LOGGED BY	LINDA MARTIN
COMMENTS	

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog. Total
COLLAR (Survey Dept.)	204° mag	-55°	0 - 1.0	1.0	0.8	185.6	0.6	0.6
2m	(inside casing)	-55°	1.0 - 17.5	16.5	13.5	172.1	9.5	10.1
33m	205° mag	-56°	17.5-44.0	26.5	22.0	150.1	14.8	24.9
55m	(inside casing)	-57°	44.0-62.0	18.0	15.1	135.0	9.8	34.7
69m	205° mag	-57.5°	62.0-89.5	27.5	23.2	111.8	14.8	49.5
110m	205° mag	-58°	89.5-128.5	39.0	33.1	78.7	20.7	70.2
147.5m	208.5° mag	-57°	128.5-148.5	20.0	16.8	61.9	10.9	81.1

SUMMARY - ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS													B.C.A.
				Sn. %	Acid Sol. Sn. ppm	Cu. %	As. %	S. %	Pb. %	Zn. %	Bi. ppm	WO_3 %	Ag g/t				
FAULT ZONE (ZONE 1)	76.5	90.75 M	14.25 M	<0.01	110	0.05	0.32	4.01	1.82	3.6	15	0.02	67				
MINERALIZED GORDON LIMESTONE (ZONE 2)	99.75	107.4M	7.65 M	0.04	115	0.05	<0.1	3.54	0.26	0.42	40	0.005	16				
	99.75	107.4 M															

NWPS 27344

959104

099

HOLE No MH 2

SCALE

5 cm

0 10 20
metres

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

959105

PLAN

53 79514 7N
36 7736 0E

53 79579 87N
36 7782 96E

5379524 3N 367743 2E
5379526 4N 367744 7E
5379528 2N 367746 2E
5379538 5N 367753 5E
5379544 4N 367757 7E
5379545 5N 367758 6E
5379546 7N 367759 4E
5379548 3N 367760 6E

14.25m x 0.01% Sn; 1.82% Pb; 3.6% Zn; 67g/t Ag.

367730 E
5379450 N

17.65m x 0.04% Sn; 0.25% Pb; 0.42% Zn; 16g/t Ag.

% Sn
% Pb
% Zn
g/t Ag

Amber Shales
76.9m
Siltstone
77.5m
Sandstone and Siltstone
Limey
90.75m
Core recovery
Ordovician Gordon Limestone
114.7m
Dundas Group Shale
119.28m
Leached and silicified Contact zone
123.9m
Cambrian Ultra-Mafic
148.5m

ASSAY DETAIL
(1:250)

50%
100%

Cavity
Sandstone and Siltstone
Caverous in places

2186.42m R.L
(Height above S.L. + 2000m)

Silurian Amber Shales

All readings x 100 c.g.s. units

Magnetic Susceptibility K x 10⁻⁶ c.g.s. units

100
500
1000
5000
10,000

68.8m Grsilte
72.05m Amber Shales
76.9m Siltstone
77.5m

114.7m Dundas Group
119.25m Leached and silicified Contact zone
123.9m

DIP PROFILE
(LOOKING NORTH)

212.8.9m
212.6.1m
212.4.0m
212.1.5m
211.0.6m
209.0.1m
208.6.5m
208.2.3m
206.2.0m

81-1568
(Vol 1 of 2.)

DIAMOND DRILL RECORD

HOLE NUMBER : MH2

LOGGED BY : IM

100

mwps

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.	ppm Bi.	g/t Ag	% WO_3
0	0.5	-	-	CLAY Light brownish-grey with shale fragments.													
0.5	68.80	54.0	80%	SHALE	AMBER												
		app.	app.	Light to medium grey, fine grained, finely laminated shale with minor siltstone to fine sandstone bands. Fine grained friable sandstone units at 43.5 - 49.5 and 60.0 - 63.0m where core is represented by fine sandy sludge. Fossils as moulds and casts on bedding planes: mostly brachiopods and "tentaculities", with minor gastropods, crinoid ossicles and bryozoans. Minor orange-brown iron oxide staining on joints and some bedding planes for first 20m. Well bedded with bedding readings: 16° at 5m; 20° at 9m; 25° at 12.5m; 17° at 14m; 20° at 16m; 20° at 19m; 22° at 24.5m; 21° at 27m; 24° at 29.5m; 25° at 39m; 26° at 53m; 21° at 57m. Core very broken up, particularly at 66.0 - 68.80m. Lower boundary missing due to core loss.	SLATE											
68.80	72.05	2.6	80	QUARTZITE Fine grained light to medium grey and mottled, with white quartz as irregular patches and veins (euhedral quartz crystals in open veins). The quartzite is vaguely banded and has a leached 'cavernous' appearance in places. Some zones of quartzite have fine black grains of possibly chromite. Core is fractured and quite broken up, and the lower boundary is missing through core loss.													
72.05	74.9	0.2	70	SHALE	AMBER												
				Description as above 0.5 - 68.80m. Core loss at boundaries.	SLATE												
74.9	77.5	0.35	13.46	SILTSTONE Fine grained, finely laminated with slightly lighter and darker grey-brown laminae. Not fossiliferous. Well jointed and fractured; at approximately 75.0m, minor veins of light yellowish-cream soft carbonate. Core loss at boundaries. (Similar to unit at 56.5 - 57.55m in MH1).		76.50	78.0	<0.01	50	0.05	<0.1	1.9	6.45	1.31	10	52	0.05
77.5	90.75	1.15	8.67	SANDSTONE AND SILTSTONE MINERALIZED Fine grained grey sandstone to siltstone, becoming more limey towards base of unit and grading into limestone unit below. Where recovered the core is quite friable, altered, leached and iron-oxide stained and has large veins and irregular patches of mostly sphalerite, some galena, pyrite and secondary yellowish-cream carbonate. Very bad drilling in this unit due to cavernous nature of ground. Very little core recovery: 78 - 81m ... 5cm recovered,		78.0 core	81.0 loss	0.01	80	0.05	<0.1	2.2	0.38	2.61	10	80	0.01
						81.0	87.0	<0.01	80	0.07	<0.1	6.1	0.17	3.30	20	80	0.01
						87.0	88.0	<0.01	190	0.07	0.2	5.0	2.60	6.82	10	45	0.02
						88.0	89.0	0.01	280	0.06	0.4	6.0	2.50	7.78	20	62	0.02
						89.0	90.0	<0.01	120	0.05	3.0	4.2	0.69	4.08	10	57	0.02
						90.0	90.75	<0.01	150	0.04	<0.1	2.9	4.57	2.65	20	49	0.04

959106

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DIAMOND DRILL RECORD

HOLE NUMBER : MH2

LOGGED BY : LM

NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	ppm Bi.	g/t Ag	% WO_3
				81 - 84m ... no core recovery (through a cavity); 84 - 87m ...													
				5cm recovered; 87 - 90m ... 75cm recovered; 90 - 90.75 ...													
				30cm recovered. (87-88m contaminated with Amber slate chips from up													
				the hole).													
90.75	114.7	23.95	100	LIMESTONE MINERALIZED IN PLACES	GORDON	90·75	91·75	<0·01	<100	0·02	<0·1	0·3	<0·01	<0·01	50	4	<0·002
90.75	105.46	14.71	100	90.75 - 105.46m : Dark and medium grey mottled limestone, with dark	LIMESTONE	91·75	92·75	<0·01	<100	0·02	<0·1	0·4	<0·01	<0·01	50	4	<0·002
				grey to black stylolites, and irregular white calcite veining.		92·75	93·75	<0·01	<100	0·02	<0·1	0·5	<0·01	<0·01	50	3	<0·002
				Increase in abundance of calcite veining from 101.5 - 103.5m. (Near		93·75	94·75	<0·01	<100	0·02	<0·1	0·7	<0·01	<0·01	50	3	<0·002
				mineralization). In places the stylolites cut off calcite veining.		94·75	95·75	<0·01	<100	0·03	<0·1	0·7	<0·01	<0·01	50	4	<0·002
				Stylolites: at 92.4m at 46°; at 98.8m at 45°. Some bands of		95·75	96·75	<0·01	<100	0·02	<0·1	0·7	<0·01	<0·01	40	4	<0·002
				fossil fragments of brachiopods and corals, and some squashed limey		96·75	97·75	<0·01	<100	0·03	<0·1	1·0	0·17	0·17	40	10	<0·002
				lithic fragments. Bedding at		97·75	98·75	<0·01	<100	0·02	<0·1	0·7	<0·01	0·02	40	3	<0·002
				Mineralisation:		98·75	99·75	<0·01	<100	0·02	<0·1	0·8	0·03	0·01	40	27	<0·002
				96.86m: Carbonate vein with sphalerite and minor galena; 2-3mm		99·75	100·75	<0·01	<100	0·03	<0·1	0·7	0·12	0·34	50	10	<0·002
				wide at 23°.		100·75	101·53	<0·01	<100	0·03	<0·1	0·2	<0·01	<0·01	50	4	<0·002
				97.25m: Carbonate vein with sphalerite, galena, 3-4mm wide, at		101·53	101·95	<0·01	170	0·05	0·4	4·8	3·67	4·66	20	74	0·02
				25°.		101·95	102·95	<0·01	<100	0·03	<0·1	0·2	<0·01	<0·01	50	4	<0·002
				98.69m: Carbonate vein with sphalerite, 2mm wide at 40°.		102·95	103·8	<0·01	<100	0·02	<0·1	0·3	<0·01	0·02	50	4	<0·002
				100.04m: Yellowish carbonate vein, with sphalerite and galena,		103·8	104·1	<0·01	70	0·04	<0·1	2·1	0·22	0·95	20	19	0·01
				sharp on hanging wall side, grades into country rock on other		104·1	104·4	0·01	100	0·08	0·2	9·3	0·08	0·06	60	24	0·01
				side, replacing some of limestone; 2-3cm wide, at 15°.		104·4	104·7	<0·01	60	0·08	0·1	9·3	<0·01	0·01	30	10	0·01
				101.53m - 101.95m: 14cm wide zone of banded yellow carbonate,		104·7	105·0	0·08	430	0·17	0·1	19·2	0·04	0·22	40	36	0·02
				sphalerite and galena with minor remaining limestone grains.		105·0	105·3	0·50	830	0·11	0·5	14·5	0·10	0·04	50	43	0·02
				Sharp upper boundary, gradational lower one. Oriented at 40°.		105·3	105·6	0·25	500	0·12	1·2	13·7	0·05	0·02	30	20	0·02
				103.8m: Carbonate vein with sphalerite and galena; 3-4mm wide													
				at 45°; minor spots of sphalerite and galena in country rock.													
				103.92 - 105.68: Mineralized zone with spots of yellowish													
				replacement carbonate, pyrrhotite and minor probably secondary													
				pyrite (with a 'cavernous' texture and mixed up with pyrrhotite)													
				minor carbonate veins and irregular patches throughout.													
				Mineralization is terminated by a pegmatite vein at 105.68 -													
				105.75m at 46°, 4-5cm wide, with minor spots of pyrrhotite.													
105.46	108.02	2.56	100	105.46 - 108.02m: Clastic limestone of coarse sand to grit sized		105·6	105·9	0·10	270	0·07	0·3	6·7	0·02	0·02	30	14	0·01
				clasts; medium grey with minor stylolites.		105·9	106·2	0·11	60	0·04	<0·1	1·1	<0·01	<0·01	30	4	<0·01
				Mineralization:		106·2	106·5	0·02	50	0·03	<0·1	0·4	0·01	<0·01	30	3	0·01
				106.06 - 106.13m: A 3cn wide zone of spots of pyrrhotite,		106·5	106·8	0·11	160	0·05	<0·1	0·7	0·15	0·23	20	16	0·01
				replacement quartz and yellowish carbonate, surrounding a 3mm		106·8	107·1	0·01	120	0·08	<0·1	2·3	0·46	0·71	20	35	0·01
				wide vein of carbonate at 45°.		107·1	107·4	<0·01	40	0·03	<0·1	<0·1	<0·01	<0·01	20	1	0·01
				106.4m: 2-3cm wide vein of carbonate with a pyrrhotite centre		107·4	107·7	<0·01	40	0·06	<0·1	1·3	0·02	0·03	30	5	0·01
				at 32°.		107·7	108·0	0·02	40	0·02	<0·1	0·3	0·01	<0·01	20	3	0·01
				106.7m - 106.98m: Zone of spots of yellowish replacement													

95010.3

DIAMOND DRILL RECORD

HOLE NUMBER : MH2

LOGGED BY : LM

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NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	ppm Bi.	g/t Ag	% WO_3
				carbonate, particularly replacing fossils, with some spots or pyrrhotite and sphalerite.													
				107.65 - 107.95m: Cavity lined with carbonate then filled with yellowish carbonate and pyrrhotite.													
108.02	110.05	2.03	100	108.02 - 110.05m: Fine grained, light grey limestone, with minor stylolites in places and minor sphalerite and/or pyrrhotite along bedding planes or fractures. Bedding at 108.2m is 32°. Gradational boundaries.		108.0	109.0	<0.01	<100	0.03	<0.1	0.4	0.08	0.06	40	5	<0.002
						109.0	110.0	<0.01	<100	0.03	<0.1	0.1	0.01	0.03	30	3	<0.002
110.05	114.70	4.65	100	110.05m - 114.70m: Sedimentary limestone breccia, with some fine grained, medium and dark grey limestone layers, which in places contain fine dark brown grains of chromite (?). The breccia is a chaotic mass of angular to subangular fragments of limestone and fossils, unsorted with fragment sizes ranging from 3cm diam. to clay sized near base of unit, the matrix becomes more siliceous in places. Cream to yellowish carbonate occurs as irregular abundant veins and replaces the matrix of the breccia in places. Minor quartz veins occur throughout, at 20°-30° T.C.A.		110.0	111.0	<0.01	<100	0.03	<0.1	<0.1	<0.01	<0.01	30	2	<0.002
						111.0	112.0	0.27	<100	0.03	0.4	0.8	0.11	0.01	30	5	<0.002
						112.0	112.8	0.02	<100	0.03	0.1	0.4	<0.01	<0.01	30	4	<0.002
						112.8	113.18	0.05	50	0.04	<0.1	2.3	0.20	0.18	30	14	0.01
						113.18	114.0	<0.01	<100	0.03	<0.1	0.3	<0.01	0.01	30	3	<0.002
				Mineralization:													
				111.80m: 0.5 - 3cm wide irregular vein of white carbonate, sphalerite, arsenopyrite, and very minor specks of galena, at 45°.													
				112.05m: Irregular areas of pyrrhotite and minor pyrite in the breccia and some as cavity fill with cream carbonate, between the breccia fragments.													
				112.84 - 113.18m: Zone of several irregular coarse and numerous fine veinlets of yellowish carbonate with spots and patches of pyrrhotite and minor pyrite, in the vein and as spots in the country rock surrounding the vein.													
				114.05m: Pegmatite vein with pyrrhotite and sphalerite, 3mm wide at 45°.													
				114.10m: Irregular vein of pyrrhotite, sphalerite and minor carbonate at 45°, 3-4mm wide, with minor spots of sphalerite and pyrrhotite in country rock, between this vein and, the vein at 114.05m.													
114.7	119.23	4.53	100	SHALE	Douglas Group ?	114.0	115.0	<0.01	<100	0.03	<0.1	0.4	0.03	0.12	30	3	<0.002
				Fine grained, light grey-green, finely laminated shale with some slightly coarser sandy layers. Flat bedded with very minor soft sediment deformation in form of slightly disrupted bedding and slight folding. Bedding: at 115.4m ... 56°, at 116.95m ... 28°, at 118.70m ... 31°, at 119.10m ... 45°. Some cream coloured thin irregular veins up to 2cm wide occur throughout unit.		115.0	116.0	<0.01	<100	0.03	<0.1	<0.1	<0.01	0.01	20	1	<0.002
						116.0	117.0	<0.01	<100	0.02	<0.1	<0.1	0.06	0.06	20	2	<0.002
						117.0	118.0	<0.01	<100	0.04	<0.1	<0.1	0.01	0.03	20	2	<0.002
						118.0	118.75	<0.01	<100	0.04	<0.1	<0.1	<0.01	<0.01	10	1	<0.002
						118.75	119.23	<0.01	<100	0.02	<0.1	<0.1	<0.01	<0.01	10	1	<0.002

DIAMOND DRILL RECORD

HOLE NUMBER : MH2

LOGGED BY : LM

103

NWPS

INTERVAL (m) FROM	INTERVAL (m) TO	RECOVERY m	RECOVERY %	DESCRIPTION	FORM.
				MINERALIZED VEINS of carbonate with grains of sphalerite and minor galena and pyrrhotite at 117.28m, 116.53m (53°), 118.3m (60°), 118.88m (80°).	
				SULPHIDE VEINS of mostly sphalerite +/- minor pyrrhotite or galena at : 116.43m (42°), 116.48 (52°), 118.62 (58°) upper boundary marked by sheared up zone, 3-4cm wide at 40°, consisting of fragments of quartz and limestone in a matrix of fine grained sphalerite and minor galena. Lower boundary faulted at 57° and marked by calcite crystal lined vein (dipping in different direction to bedding).	
119.23	123.9	4.20	90	LEACHED SILICEOUS "CONTACT" ROCK Hard cream to white silica, vaguely banded in places grading into zones of leached and cavernous silica, sometimes with secondary euhedral quartz crystals lining the cavities. Common quartz veins throughout. From 119.23 - 121.8m, grains of brown sphalerite?to 0.5cmoccur and throughout unit fine black grains of possibly chromite?also occur. Minor fractures with pyrite coatings at 20° - 30° occur at 121.8m, 122.85m and 123.65m. Quite fractured core - some core loss. Lower boundary gradational into serpentine in lower unit.	
123.9	148.5	24.6	100	SERPENTINE Dark to medium green soft 'soapy' rock with black euhedral chromite grains. Minor lighter and darker cracks and seams.	CARBONATE SERPENTINE
				END OF HOLE	

% Sn FROM	% Sn TO	% Sn TOTAL	% Sn ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	PPM Bi.	g/t Ag	% WO_3
119.23	120.0	<0.01	30	0.02	<0.1	0.5	<0.01	0.01	20	2	0.02
120.0	121.0	<0.01	20	0.02	<0.1	0.5	<0.01	<0.01	20	1	0.01
121.0	121.5	<0.01	10	0.02	<0.1	<0.1	<0.01	<0.01	20	<1	0.02
121.5	122.0	<0.01	20	0.02	<0.1	<0.1	<0.01	<0.01	20	<1	0.01
122.0	122.5	<0.01	10	0.02	<0.1	<0.1	<0.01	<0.01	30	1	0.01
122.5	123.0	<0.01	20	0.03	<0.1	<0.1	<0.01	<0.01	30	1	0.02
123.0	123.5	<0.01	20	0.02	<0.1	0.4	<0.01	<0.01	20	<1	0.01
123.5	124.0	<0.01	20	0.02	<0.1	0.2	<0.01	<0.01	30	<1	0.01
124.0	124.5	<0.01	<10	0.03	<0.1	<0.1	<0.01	<0.01	10	1	0.01

MAGNETIC SUSCEPTIBILITY ($\times 10^{-6}$ c.g.s units) :

	METRES:	READING		METRES:	READING
0 —	104.1	... < 100		133	... 3500
	104.4	... 1,000		134	... 3400
	104.7	... 500	134 —	135	... 2800
	105.3	... 700		136	... 1900
	105.6	... 500		137	... 1900
105.6 —	112.8	... < 100		138	... 2400
	113.1	... 600		139	... 2800
113.1 —	124.0	... < 100	139 —	140	... 2800
124 —	125.0	... 3100		141	... 3200
	126.0	... 2500		142	... 4800
	127.0	... 2200		143	... 3100
	128.0	... 2100		144	... 4200
	129.0	... 2800	144 —	145	... 5100
129 —	130.0	... 1500		146	... 4300
	131.0	... 2500		147	... 6000
	132.0	... 2600		148	... 2900

959109

DIAMOND DRILL RECORD

HOLE NUMBER : MH2

LOGGED BY : L.M.

104

NWPS

HCL / $KClO_3$ SULPHIDE SELECTIVE LEACH:

INTERVAL	Ni (PPM)
119·23 — 120·0 m	1260
120·0 — 121·0 m	NOT ENOUGH SAMPLE
121·0 — 121·5 m	1320
121·5 — 122·0 m	1160
122·0 — 122·5 m	800
122·5 — 123·0 m	760
123·0 — 123·5 m	1380
123·5 — 124·0 m	1300
124·0 — 124·6 m	1000

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	FROM	TO	% Sn. TOTAL	% Sn. ACID SOL.	ACID SOLUBLE PPM Cr	PPM Ni	PPM Mo	PPM Sr	% Fe
						76·5	78·0			15	20	<10	100	26·9
						78·0	81·0			15	20	< 10	30	38·9
						* CORE	LOSS *							
						84·0	87·0			15	20	< 10	40	28·6
						87·0	88·0			30	40	< 10	60	9·0
						88·0	89·0			25	30	< 10	120	9·9
						89·0	90·0			25	30	< 10	360	15·0
						90·0	90·75			15	30	< 10	110	13·4
						90·75	91·75			0·01 %	30	< 10	80	<1
						91·75	92·75			<0·01 %	30	< 10	70	<1
						92·75	93·75			0·01 %	30	< 10	70	<1
						93·75	94·75			<0·01 %	40	< 10	70	<1
						94·75	95·75			<0·01 %	40	< 10	80	<1
						95·75	96·75			<0·01 %	40	< 10	70	<1
						96·75	97·75			<0·01 %	40	<10	70	<1
						97·75	98·75			0·01 %	40	< 10	70	<1
						98·75	99·75			0·01 %	40	< 10	70	<1
						99·75	100·75			0·01 %	40	< 10	80	<1
						100·75	101·53			0·01 %	40	<10	80	<1
						101·53	101·95			10	40	< 10	190	11·7
						101·95	102·95			0·01 %	40	<10	80	<1
						102·95	103·8			0·01 %	40	<10	80	<1
						103·8	104·1			20	30	10	30	8·9
						104·1	104·4			10	20	< 10	30	20·6
						104·4	104·7			10	30	< 10	30	21·9
						104·7	105·0			35	20	<10	40	34·6
						105·0	105·3			20	20	< 10	40	29·5
						105·3	105·6			25	30	< 10	300	28·4
						105·6	105·9			20	30	< 10	40	16·0
						105·9	106·2			25	30	< 10	40	9·7
						106·2	106·5			20	20	< 10	40	9·8
						106·5	106·8			20	40	< 10	40	14·7
						106·8	107·1			20	40	10	40	16·1
						107·1	107·4			25	30	<10	40	4·8
						107·4	107·7			30	60	<10	50	8·5
						107·7	108·0			25	30	<10	30	7·6
						108·0	109·0			0·01 %	40	<10	60	5·6
						109·0	110·0			0·01 %	30	<10	60	6·1
						110·0	111·0			0·03 %	60	<10	80	8·1
						111·0	112·0			0·03 %	70	<10	110	7·3
						112·0	112·8			0·04 %	60	<10	70	7·0
						112·8	113·18			30	150	<10	80	11·2
						113·18	114·0			0·20 %	110	<10	80	<1

950110

DIAMOND DRILL RECORD

HOLE NUMBER : M.H.2.

LOGGED BY : L. MARTIN

105

NWPS

INTERVAL (m) FROM	INTERVAL (m) TO	RECOVERY m	RECOVERY %	DESCRIPTION	FORM.	FROM	TO		FUSION METHOD % Cr	ACID SOLUABLE PPM Cr	PPM Ni	PPM Mo	PPM Sb	% Fe			
						114·0	115·0			0·24%	140	<10	60	5·4			
						115·0	116·0			0·03%	170	<10	30	7·5			
						116·0	117·0			0·03%	140	<10	20	7·8			
						117·0	118·0			0·03%	130	<10	20	6·5			
						118·0	118·75			0·03%	160	<10	20	8·1			
						118·75	119·23			0·03%	180	<10	30	7·0			
						119·23	120·0		0·19	65 PPM	1200	<10	120	3·4			
						120·0	121·0		NOT ENOUGH SAMPLE	60 PPM	1340	<10	560	3·7			
						121·0	121·5		0·19	65 PPM	1310	<10	220	3·5			
						121·5	122·0		0·14	80 PPM	1120	<10	170	3·6			
						122·0	122·5		0·09	85 PPM	80	<10	360	2·6			
						122·5	123·0		0·07	50 PPM	1420	<10	390	2·2			
						123·0	123·5		0·12	50 PPM	670	<10	500	3·8			
						123·5	124·0		0·14	60 PPM	1430	<10	300	1·9			
						124·0	126·5		0·36	65 PPM	2000	<10	20	3·8			

RENISON LIMITED

SCALE :

DIAMOND DRILL HOLE PLOT

PETROLOGICAL DESCRIPTION

REPORT CMS 81/3/48

HOLE No. : MH 2

106

SAMPLE NO.	CLASSIFICATION - COMPOSITION	FABRIC	ACCESSORIES	COMMENTS
88.2m (T.S. 37022)	Dolomitised Calcarenite. Granular dolomite with relict sand-sized quartz, ankeritic carbonate clasts, carbonaceous films. Disseminated to semi-massive sphalerite (colour-zoned).	Faint relict bedding (gritty medium sand). Patchy, discordant sphalerite-dolomite veining.	Minor traces galena, thinly disseminated, extremely fine blades of ?jamesonite.	Primarily an ankeritic (or ankeritised) calcarenite, marked dolomitisation with associated disseminations, aggregates sphalerite.
90.7m	Ankeritic Marble. Granular to sparry ankerite marble with minor relict clastic silt-sized quartz. Irregular zones of dolomite with conspicuous sphalerite, subordinate galena.	Weakly banded, medium-grained marble with irregular to concordant dolomite-sulphide aggregates.	Minor chlorite, ultra-fine carbonaceous matter. Minor trace pyrite, late calcite veinlets.	Similar paragenesis to 88.2m. Sphalerite partly as distinctly zoned crystals (Fe-rich, dark red cores). Pyrite secondary after pyrrhotite.
101.7m (T.S. 37024)	Dolomitic Marble. Granular dolomite-ankerite with irregular replacements, veins siderite, disseminations, films of sphalerite, galena, minor pyrrhotite, spongy arsenopyrite, secondary pyrite.	Relict, poorly diagnostic (recrystallized) fossils, vague medium calcarenitic fabric.	Minor carbonaceous matter. Semi-pervasive late calcite films, disseminations.	Affinities with 88.2, 90.7m. Complex carbonate relationships tend to confirm ankerite-siderite as replacements predating late dolomite ± calcite.
103.9m (T.S. 37025)	Fossiliferous Limestone. Fine-grained, fossiliferous calcite marble with irregular replacements, sparry dolomite-ankerite, patchy to semi-pervasive late calcite. Locally conspicuous sphalerite, galena.	Complex. Relict, fossiliferous limestone breccia with at least two phases veining, replacement.	Carbonaceous, ?tuffaceous chloritic calc-pelite interlenses.	Affinities with 88.2, 90.7, 101.7m. Sulphides variously associated with texturally intermediate ankerite and late calcite.
105.0m	Ankeritic Marble. Medium-grained, granular to sparry ankerite marble with minor quartz. Disseminated spongy aggregates pyrrhotite. Late veinlets, irregular replacements, dolomite.	Relatively homogeneous marble. Rare relict fossiliferous features.	Carbonaceous matter. Minor trace sphalerite. No detectable cassiterite.	Very similar paragenesis to,90.7m. Carbonaceous matter, relict fossil features confirm this rock as ankeritised limestone rather than vein material.
105.6m	Ankeritic Marble. Relatively slightly chloritic carbonaceous, siliceous, ankeritic marble with spongy, pyrrhotite-rich, gradational contact with coarse-grained sparry ankerite vein.	Faint relict, sandy clastic fabric in marble (quartz grains, quartzite clasts).	Traces primary and secondary pyrite, minor trace chalcopyrite in pyrrhotite aggregates.	Relatively pale carbonate (dolomite-ankerite). Marble similar to 90.7, 105.0m, but devoid of relict fossils. Ankeritised, slightly sandy impure limestone. Featureless vein.
105.7m	Ankerite Marble/Vein. Medium-grained, slightly chloritic carbonaceous marble. Vein comprising semi-massive, sparry ankerite/ disseminated spongy pyrrhotite marginal zones, quartz core.	Faint relict fossiliferous, calcarenitic structures in marble. Mildly stressed.	Minor traces sphalerite (in vein-quartz).	Carbonate of consistent composition throughout, colour-variations reflect distribution of relict carbonaceous matter.
106.4m	Ankeritic Marble/Vein. Fine to medium-grained, weakly carbonaceous ankeritic marble/concordant vein, discordant veinlets, sparry ankerite with disseminated pyrrhotite.	Very faint relict pelitic, fine sandy calcarenitic structures. Extremely rare relict fossils. Incipient stress.	Minor traces primary pyrite, arsenopyrite, siderite in coarser vein. Minor traces quartz in marble.	Near-identical paragenesis to 105.7m; only real contrast in absence of vein-quartz.
106.8m	Ankeritic Breccia. Irregular zones, lenses, medium-grained ankerite with disseminated sphalerite, pyrrhotite, in ankerite-chlorite matrix. Sparse to locally conspicuous galena, minor secondary pyrite.	Poorly sorted, vaguely fossiliferous, calcirudite-like breccia with mildly sheared matrix.	Traces arsenopyrite, quartz.	Detail largely obliterated by alteration, mineralisation, semi-contemporaneous shearing. Evidently a "limestone breccia" with relatively impure (chloritic) matrix.

95172

RENISON LIMITED

SCALE :

DIAMOND DRILL HOLE PLOT

PETROLOGICAL DESCRIPTION

REPORT CMS 81/3/48

HOLE No. : MH 2 cont.

107

SAMPLE NO.	CLASSIFICATION - COMPOSITION	FABRIC	ACCESSORIES	COMMENTS
107.7m	Ankeritic Marble/Vein. Detached zones of fine-grained carbonaceous ankerite marble, ankeritised chloritic calc-pelite. Coarse sparry vein ankerite, siderite core zones with pyrrhotite aggregates.	Essentially a carbonate-healed tectonic breccia. Late stress phase with minor calcite veining.	Minor sphalerite, arsenopyrite, galena, patchy secondary pyrite in siderite-pyrrhotite aggregates.	Typical alteration/mineralisation pattern, but representing a localised concentration of siderite (similarly 106.4m).
112.84m	Ankeritic Calcarenite. Coarse, dolomitised limestone clasts in sandy matrix of quartz, carbonate, abundant clastic chromite, ooliths with dolomite matrix. Patchy vein/replacement ankerite.	Poorly sorted, sand-supported sedimentary breccia. Minor late calcite veinlets, vugs.	Minor pyrrhotite in ankerite veins. Carbonaceous matter.	Ooliths include carbonate, cherty and argillaceous types, partly nucleated on chromite grains. Relatively weakly ankeritised, mineralised.
112.95 (T.S. 37033)	Ankeritic Marble/Veins. Fine grained ankeritic marble with disseminated relict silt sized quartz, fine grained cassiterite. Sparry ankerite veins with disseminated pyrrhotite.	Mildly fractured, contorted wedges of ankeritised impure limestone between subparallel veins.	Minor carbonaceous matter. Sparse detrital chromite.	Ankeritised, mildly silicified, silty to fine sandy limestone. Cassiterite evenly distributed in host rock as 10-100 u, mean 30-40 u particles comprising approx. 5%.
121.0m (T.S. 37034)	Altered Serpentinite. Quartz and (dolomite-ankerite) carbonate in varying proportions, patchy talc, disseminated coarse relict chromite.	Late, crudely schistose stress overprint on extensively-veined/ replaced talc rock.	Minor traces extremely fine-grained ?Ni-sulphide.	General features consistent with a steatitised, subsequently carbonated/silicified and sheared serpentinite.
122.7m	Altered Serpentinite. Fine-grained dolomitic carbonate, subordinate to minor, closely intergrown quartz. Disseminated relict primary chromite.	Vague relict mesh-textures pervaded by carbonate films. Weak phyllitic overprint.	Minor traces extremely fine-grained sulphide (sim. 121.0m). Traces relict antigorite.	Similar paragenesis to 121.0m, but devoid of talc. Sulphide particles more or less evenly disseminated, unrelated (spatially) to chromite.