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ANNUAL REPORT 1978-79

MT. LINDSAY (E.L. 2/63) and STANLEY RIVER (E.L18/73) AREAS

WESTERN TASMANIA

Copies to:-
Renison Limited (2)
C.G.F.A. (1)
Aberfoyle (1)
Mines Dept. (2)

SUBMITTED BY:
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Senior Geologist.

August, 1979

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INDEX

APPENDICES

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MAPS

		Scale
MLP 138	LOCALITY MAP	1:50,000
MLP 139	DRILL HOLE LOCALITY MAP	1:2,000
MLP 140	No. 2 LONGITUDINAL PROJECTION	1:2,000
MLP 141	MAIN LODE LONGITUDINAL PROJECTION	1:2,000
MLP 142	D.D.H. M.L. 50, 51, 55 SECTION	1:1,000
MLP 143	D.D.H. M.L. 52 SECTION	1:1,000
MLP 144	D.D.H. M.L. 53 SECTION	1:1,000
MLP 145	D.D.H. M.L. 54 SECTION	1:1,000
MLP 146	PROPOSED HOLE M.L. 56 -Line M.L. 17	1:1,000
MLP 147	GROUND MAGNETICS - MAP M16	1:2,000
MLP 148	GROUND MAGNETICS - MAP M17	1:2,000
MLP 149	REGIONAL GEOLOGY MAP	1:10,000

MT. LINDSAY AREA (E.L. 2/63) and STANLEY RIVER AREA (E.L. 18/73)

1. SUMMARY

Six diamond drill holes were completed during the field season - total metreage 1850.7m, with five holes on E.L. 2/63 (1296.7m) and one hole on E.L. 18/73 (554.0m).

Two intersections on the Main Lode - east of the Mt. Lindsay Mine indicated the presence of calc-silicates, below a deeply weathered zone (clays), but containing only low grade tin-tungsten mineralisation.

Three holes were drilled to test the No. 2 Carbonate. One was abandoned due to excessive hole deviation, and the other two intersected carbonate, calc-silicates and magnetite skarn mineralisation. The carbonate was thinner than expected from previous drilling in the area (possibly due to faulting) and tin and tungsten value were low.

On E.L. 18/73, the drill hole intersected the Upper thin carbonate band (calc-silicates and chert) located previously in drill hole M.L. 39; but failed to intersect the lower thicker carbonate.

Access in the area has been greatly improved with the construction of the H.E.C. Tullah-Stringers Creek road, connecting with previously constructed tracks and roads. A further track has been established from the H.E.C. road along Serpentine Ridge, to provide access into the Upper Harmon River area. This route was selected after the upper track extension round the eastern side of Parsons Hood was abandoned, due to the severe terrain.

Geological mapping and ground magnetic surveys have been conducted along the H.E.C. road and the recent drill site access tracks.

Magnetic sediments and mineralisation were sampled to test for remnant magnetism, and help with the interpretation of the ground magnetic anomalies.

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Expenditure during 1978-79 amounted to $124,513.00 - with $8,8197.00 being spent on E.L. 2/63 and $36,316.00 on E.L. 18/73. Total expenditure (1972 - 1979) has reached $860,596.00 (E.L. 2/63 $652,888.00, E.L. 18/73 $207,708.00)

The Budget for 1979-80 is estimated at $84,864.00 (E.L. 2/63 -$54,822.00; and E.L. 18/73 $30,012.00). Geological mapping and one drill hole are planned for E.L. 18/73, and track cutting, geological mapping, geochemical sampling, and ground geophysics for E.L. 2/63.

2. INTRODUCTION

Since 1972 when Renison Limited and Consolidated Gold Fields (Aust.) Ltd., entered into a joint venture agreement with Aberfoyle Limited on E.L. 2/63; several carbonate beds have been found within the Crimson Creek Formation. These carbonates have been altered to calc-silicates and magnetite skarns near the Meredith Granite.

The 1978-79 drilling programme (6 drill holes) was designed to test the extent and grade of mineralisation east of the Mt. Lindsay mine, and near drill hole M.L. 38. One drill hole on E.L. 18/73 was designed to test the two carbonate bands (No. 4 Carbonate) - intersected previously in drill hole M.L. 39 - close to the Meredith granite contact.

Road access was improved in the southern sections of E.L. 2/63 and E.L. 18/73 by the H.E.C. Tullah - Stringers Creek Road; in the northern portion of E.L. 2/63 by an extension of the top track round the side of Parsons Hood and by a track constructed into the headwaters of the Harmon River from the H.E.C. road.

3. PREVIOUS WORK AND LAND TENURE

All work completed prior to the 1978-79 field season has been well documented in the annual reports (1972 - 78) of the Mt. Lindsay area (E.L. 2/63) and the Stanley River area (E.L. 18/73). For details of this information see the attached bibliography and the relevant annual report.

..../3

The Mt. Lindsay area is held under two Exploration Licences, 18/73 (21 sq. kms) and 2/63 (75 sq. kms). Both E.L.'s are held under Joint Venture agreements and Renison is currently increasing its equity in both licences at the "expense" of C.G.F.A.

Current equities are:

		as at 30.6.79	as at 30.6.78
E.L. 2/63 MT. LINDSAY AREA - inc. Mine Leases 62m/63 and 63m/63 over the Mt. Lindsay Mine	Aberfoyle Ltd.	16.16 %	16.16 %
	Paringa	23.84 %	23.84 %
	C.G.F.A.	22.0 %	25.11 %
	Renison	38.0 %	34.89 %
E.L. 18/73 STANLEY RIVER AREA -	C.G.F.A.	35.0 %	42.22 %
	Renison	65.0 %	57.78 %

4. REGIONAL GEOLOGY

Highly contorted Pre-Cambrian Oonah quartzites and shales outcrop over part of the southern and western sections of exploration licences E.L. 2/63 and 18/73. They are unconformably overlain by well bedded sandstones, shales and siltstones; minor graphitic shales, rare carbonate beds, and black oolitic cherts of the Success Creek Formation. Carbonates and cherts are generally found towards the top of the sequence. The age of the Success Creek Formation is (?) lower Cambrian. The strati-graphic thickness of these sediments varies from 2-3 kms near the Pieman River to 500 - 700m near the Stanley River.

Based on What ??

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A thick sequence of magnetic and non magnetic tuffaceous shales, siltstones and sandstones of the Crimson Creek Formation conformably overlie the Success Creek formation. Interbedded within the sequence are several carbonate beds and mottled chert bands. Ordovician to Devonian sediments (sandstones, shales, and rare limestones) overlie the tuffaceous shales. An Upper Cambrian ultrabasic sill intruded the older sediments close to the upper Crimson Creek formation boundary.

?

Ultramafic low 56% SiO_2

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A major period of folding occurred during the Devonian, forming the Huskisson syncline, and overturning the Crimson Creek formation near the Mt. Lindsay Mine. The Meredith Granite was intruded during the upper Devonian creating a 1-2km wide contact aurole. During the later stages of the granite emplacement, tin-tungsten mineralisation was introduced into metasomatised carbonate beds, and along veins within the granite. The regional geology is shown in the accompanying 1:50,000 scale Geology Map (MLP 149).

10

5. FIELD WORK 1978-79 SUMMER SEASON

Six diamond drill holes were completed during the programme. One hole (M.L. 50) was abandoned due to excessive deviation. All holes were surveyed using a single shot bore hole camera.

Early in February 1979, the H.E.C. Tullah-Stringers Creek road joined up with previously established tracks - allowing year round access into the North Pieman area. In addition, existing tracks were upgraded, and the top track extended round the eastern flank of Parsons Hood. This track was stopped south of Padman Creek due to the steep rocky terrain, and an alternative route was constructed along the Serpentine Ridge into the Upper Harmon River area.

5.1 Diamond Drilling Programme

A five hole diamond drilling programme was designed to test the No. 2 carbonate near M.L. 38, the eastern extension of the Main Lode near the Mt. Lindsay Mine, and the No. 4 carbonate within E.L. 18/73 (intersected previously in drill hole M.L. 39). One hole was abandoned due to excessive deviation, and then redrilled. Mineralisation sections were assayed-in 1 metre lengths - for total Sn, acid soluble Sn, Cu, As, Pb, Zn, Bi, Ag and WO_3. Details of assaying and hole logging are shown in Appendix 1. A summary of the drilling data is shown on Table 1.

M.L. 50:

This hole was designed to test the No. 2 carbonate at depth below the flat lying fault, west of M.L. 38. It was abandoned at 104.0m - due to excessive bearing deviation in the first 60 metres.

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M.L. 51:

Redrilling of M.L. 50. The No. 2 carbonate was intersected between 421.0 and 432.0m (true thickness 8m) - consisting of banded calc-silicates, cherts, and disseminated pyrrhotite. Assays indicated low grade tin mineralisation. - 11.0m x 0.13% Sn, 0.05% acid soluble tin. The highest assay was 425.0 - 426.0m, 0.48% Sn, 0.02% acid soluble tin and was associated with a 20cm band of massive pyrrhotite. Rare blue fluorescent scheelite specks were also found in the calc-silicates. The carbonate inter-section was much thinner than expected from previous drilling - possibly due to faulting (small breccia and fault zones were noted in the core).

M.L. 52:

A thick clay zone (weathered calc-silicates(?)) was intersected eastwards along strike from the Mt. Lindsay Mine in M.L. 52. The bad ground conditions and poor core recovery caused some delays in drilling. Beneath the clay 4.4m (true thickness) of banded calc-silicates containing minor pyrrhotite, and rare magnetite were intersected. Tin and tungsten assays were low (0.1%). The clay zone in the drill hole correlates with a banded clay outcrop on the track to the Parsons Hood heliport.

This outcrop represents the surface expression of the weathered calc-silicates located in M.L. 52. Acid ground water formed from organic acids or from weathering of sulphides may have caused deep weathering and the calc-silicates (to approx. 80m below surface). Acid attack on the carbonate bearing sediments probably accounts for the lack of outcrop of the carbonate horizons.

M.L. 53:

A steep hole was drilled on E.L. 18/73 - to intersect at depth the two carbonate beds (No. 4 carbonate) located in M.L. 39. The upper or most northern carbonate bed was intersected, and consisted of banded cherts and calc-silicates with low grade mineralisation (<0.01% Sn & WO_3). The main or southern carbonate was not intersected-possibly due to faulting or changes in strike and/or dip of the carbonate horizon.

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TABLE 1

DIAMOND DRILLING DETAILS

1978 - 1979

Hole No.	Co-Ordinates	R.L.	Dip	Bearing RMG	Total Depth	Remarks
M.L.50 E.L2/63	31448.7m N 11407.5m E	2379.7 m	-48°50'	42°23'	104.0	Hole abandoned due to excessive deviation in first 60m.
M.L.51 E.L.2/63	31450.6m N 11408.6m E	2379.6 m	-61°54'	49°27'	493.0m	Thin No. 2 Carbonate. Calc-silicates, pyrrhotite bands & cherts. Containing 421.0 - 432.0 11.0m x 0.1?% Sn, 0.05% Sol Sn, 0.03% Cu, 0.50% As, including 7m x 0.17% Sn, 0.05% Sol. Sn, 0.05% Cu, 0.10% As.
M.L.52 E.L2/63	31991.9m N 10956.9m E	2490.8 m	-48°11'	46°45'	159.5m	Main Lode - weathered clays with calc-silicates 103.9 - 108.9m containing 5.0m x 0.03% Sn, 0.03% Sol Sn, 0.07% Cu, <0.10% as.
M.L.53 E.L18/73	31706.4m N 10140.8m E	2452.4 m	-64°30'	225°43'	554.0m	Upper carbonate from M.L. 53 intersected. Thicker lower carbonate not located. 57.0 - 64.0m 7.0m x<0.01% Sn, <0.01% Sol Sn, <0.05% Cu, <0.10% As.
M.L54 E.L.2/63	31888.0m N 10981.3m E	2468.8 m	-50°43'	43°	200.2m	No. 2 carbonate intersection 147.4 - 169.4m - skarn mineralisation (magnetite and rare scheelite specks & calc-silicates)containing 22.0m x 0.11% Sn, 0.09% Sol Sn, 0.05% Cu, 0.19% As. including 3m x 0.33% Sn, 0.27% Sn, 0.05% Cu, 0.47% As.
M.L. 55 E.L. 2/63	31479.0m N 11472.7m E	2351.2 m	48°50'	36°	340.0	No. 2 carbonate duplicated by faulting. Top intersection 103.2 - 155.9 carbonate, calc-silicate chert and clay (weathered carbonate) Bottom intersection 188.4m - 210.8m. All assays <0.04% Sn, <0.02% Sol Sn, <0.05% Cu, <0.10% As.

M.L. 54:

This hole was designed to test the Main Lode, below the oxidised intersection in M.L. 52. The lode was 12.4m thick (true thickness) and consisted of well banded calc-silicates, cherts, shales and actinolite-pyrrhotite skarns. The tin mineralisation (mainly acid soluble tin) was associated with the dark green actinolite-phlogopite-pyrrhotite zones. The calc-silicates generally contained less than 0.1% Sn. Blue fluorescent scheelite specks occurred in the core - with a maximum value of 0.14% WO_3 over a 1 metre interval.

M.L. 55:

The No. 2 carbonate was intersected twice in the drill hole - due to fault repitition. Above the major flat-lying fault the No. 2 carbonate consisted of 45.5m (true thickness) of carbonate and calc-silicate bands, with rare pyrrhotite. The second intersection (below the fault) consisted of 17.2m (true thickness) of banded calc-silicates with minor pyrrhotite. Assay values were low - the highest being 0.04% Sn. A massive scheelite vein (1cm thick) contributed to the assayed 1.04% WO_3 over 1 metre.

Discussion of Results

The poorly mineralised intersections obtained during the 1978-79 drilling programme significantly down graded the potential of the Main Lode and No. 2 Carbonates. Drill holes M.L. 52 and 54 disproved the theory of mineralisation extending eastwards from the Mt. Lindsay Mine. On the No. 2 Carbonate holes M.L. 51 and 55 restricted the potential size of the mineralisation located in M.L. 38.

On the positive side, drilling data proved the existance of a major shallow S.E. dipping fault (see 1977-78 Annual Report) and supported the idea of zonation of mineralisation within the carbonate beds around the Meredith granite.

From drilling information, it appears that tin mineralisation increases with the amount of alteration of the regional carbonate beds. These beds are altered from poor - to well bedded carbonate calc-silicates containing alternating bands of diopside and garnet. The calc-silicates contain up to 0.2% Sn - mainly in acid soluble form. As alteration proceeds further magnetite-chlorite-phlogopite-pyrrhotite skarns form in areas close to

the granite, and chlorite-phlogopite-pyrrhotite skarns in areas further from the granite, or in areas of low oxygen/high sulphur concentrations. The magnetite skarns contain tin mainly in acid soluble form, while cassiterite is more abundant in the chlorite-phlogopite-pyrrhotite skarns. An example of the sulphide-rich mineralisation is Mt. Lindsay Mine - where the carbonate and chert bands are altered to banded chlorite-phlogopite with pyrrhotite (massive to semi-massive) and chert, and contains 1-2% Sn mainly as cassiterite.

The mineralisation intersected in drill hole M.L. 38 appears to be different consisting of magnetite, siderite and cassiterite. Tourmaline has been noted in thin section. This style of mineralisation may be very late stage and controlled by major pre-mineralisation faults (compare with Renison), which introduced magnetite and cassiterite into almost unaltered carbonates - outside the zone of calc-silicate formation. In the mineralisation process it appears that unaltered carbonates are more amenable to replacement by the mineralising fluids than calc-silicates.

As only the No. 2 and Main Lode carbonate beds have been drilled in detail, there still exists the possibility of economic tin mineralisation occurring within the other carbonate beds existing within the area. Seven to eight carbonate horizons are known within the Crimson Creek Formation, and several other horizons are thought to occur. These estimates are based on the presence of "Mottled Zone" chert outcrops; and the presence of carbonate floaters in the Upper Harmon River (located recently by Mines Department Geologists).

5.2 Access

As part of the more regional exploration program within E.L. 2/63 the Upper Track was extended eastwards from the Parsons Hood Heliport towards the Upper Harmon River. The steep rocky terrain and heavy tree cover made progress very slow and the road was abandoned in favour of the easier route along the Serpentine Ridge

to the Upper Harmon River. This track was constructed off the H.E.C.-Tullah-Stringers Creek road northwards across the Wilson River over Websterite Hill into the headwaters of the Upper Harmon River. Some repairs will be required next field season to replace the Wilson River bridge, which was washed away during the winter floods; and to bypass two steep sections of the road near Websterite Hill

5.3 Geological Mapping

Mapping along the H.E.C. Tullah-Stringers Creek road confirmed the earlier regional mapping in the area. The H.E.C road provided almost continuous exposure through the sequence from the Lower Success Creek formation to the Upper Cambrian Serpentinite sill - East of the Wilson River. Mapping along the road confirmed the geological interpretation - except for an area south of Salmon Creek - where small outcrops of red chert occur south of their expected position. This may be caused by faulting or folding and the area will be remapped in detail during 1979-80. The contact between the Success Creek and Crimson Creek formations is well exposed in the Low Low Creek area, confirming the presence of two chert bands. A black graphite shale higher in the sequence may be the source of the I.P. anomalies located above (north) of this contact. Within the Crimson Creek formation - monotonous purple brown weathered argillites predominate-with some minor dark green tuffs and blue-black shales. No carbonate outcrops were located - possibly due to the acid ground water and deep weathering within the argillites.

What evidence
Present position
due to Dev. deformation

Near the lower or western serpentinite contact a black graphitic shale band outcrops within the argillites and there is a blue black carbonate bed at the contact. The serpentinite near the contact is heavily sheared (faulted ?), while the underlying argillites are relatively undeformed. The shearing may be due to either fault emplacement of the serpentinite or to later movement along the contact due to folding.

Any major changes to the geological interpretation are included on the 1:10,000 regional geology sheet - included with this report (MLP 149).

5.4 Ground Magnetics

The ground magnetometer survey was continued over the recent drill site access tracks, and the H.E.C. road. No new anomalies were located outside the main Meredith Granite magnetic aurole. Results have been added to ground magnetic maps, and copies of these maps are included with this report.

5.5 Remnant Magnetism Testing

Aberfoyle, in conjunction with C.S.I.R.O. collected several orientated core samples of the mineralisation and magnetic tuffaceous shales near Mt. Lindsay. The cores were to be tested for remnant magnetism - with the view to eliminating the effects of remnant magnetism from the ground magnetic survey data, and defining the magnetic - effects of the magnetite pyrrhotite mineralisation. No results were known at the time of writing this report.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 E.L. 2/63 Mt. Lindsay Area

Diamond Drilling in E.L. 2/63 significantly downgraded the economic mineralisation potential of the Main Lode and No. 2 Carbonate. The skarn and calc-silicate intersections contained only low grade tin mineralisation - although some significant tungsten assays were obtained. The ideas of mineral zoning and alteration effects associated with the Meredith granite emplacement were confirmed by the 1978-79 drilling program; as was the low angle fault - used to explain the repetition of the No. 2 Carbonate near drill hole M.L. 38.

Several other carbonate horizons are known and have not been drilled to date. These beds could contain economic mineralisation in situations analogous to the Mt. Lindsay Mine area (pyrrhotite-cassiterite) and the M.L. 38 drill hole intersection (magnetite-siderite-cassiterite). Only after further detailed ground surveys and diamond drilling can the overall potential of the area be tested.

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For the 1979-80 Field program a change in approach is recommended with "grass roots" exploration being extended northwards along the Meredith granite contact to the north boundary of E.L. 2/63. This program will include:-

- gridding of the northern section of E.L. 2/63 at 400m intervals
- geological mapping of grid lines, creeks, tracks and other exposures
- soil sampling - 25m spacing. Assaying for Sn, W, Cu, Pb, Zn, As, Ni.
- ground magnetics at 10m Station intervals.
- Ground electrical geophysical surveys.

To complete this work a budget of $54,852 is proposed. The breakdown budget is shown in Appendix 2 and the charges to Joint Venture partners on Table 2 (follow page).

6.2 E.L. 18/73 Stanley River Area

Drill hole M.L. 53 failed to intersect the main carbonate zone of the No. 4 Carbonate. This may be due to faulting or changes in strike and/or dip.

It is recommended that detailed remapping be undertaken in the general area of M.L. 39 and M.L. 53 - in light of the more detailed stratigraphy known from the diamond drilling and the increased amount of outcrop exposed in the roads and drill tracks. At the same time this remapping program should be extended southwards to the H.E.C. road - to determine the stratigraphy in the Salmon Creek area.

Results of this remapping will determine the exact location of the one diamond drill hole proposed for E.L. 18/73. On the basis of previous data (1973-76) a tentative site is on line M.L. 17 at 400S (length of hole 500m angle - 50° grid north) - see Map MLP 146. Exact location of drill hole to be determined after remapping of the area.

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E.L. 2/63 MT. LINDSAY - E.L. 18/73 STANLEY RIVER

TIMING OF PROPOSED EXPLORATION PROGRAMME 1979-80

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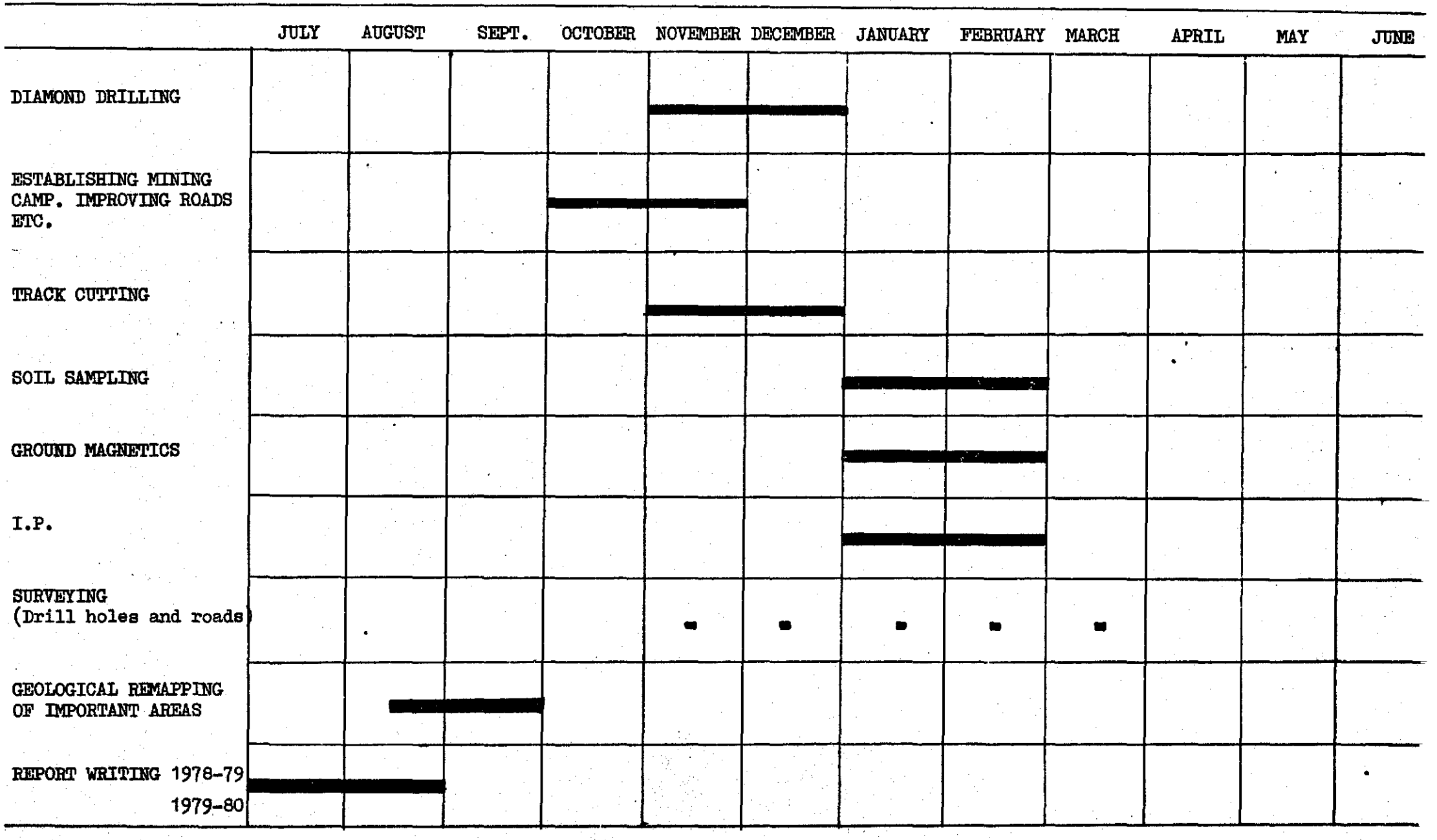

This hole should intersect the carbonate - chert sequence between drill hole M.L. 34 and its western extension at the Stanley Reward prospect - drilled previously by Pacminex. The carbonate-chert sequence is located close to the Crimson Creek - Success Creek Formations boundary in an analogous position to the carbonate beds at Renison Bell. Proposed Drill hole M.L. 56 is planned to intersect the carbonates deeper than in hole M.L. 34, and closer to the Meredith granite contact.

For this work a budget of $30,012 is proposed - the breakdown of this budget is in Appendix and charges to Joint Venture Partners on Table 2 (see below).

TABLE II PROPOSED BUDGETS 1979-80 - Charges to Joint Venture Partners

Company	E.L.2/63 MT. Lindsay	E.L.18/73 Stanley River	Totals
Renison Ltd.,	$32,893	$30,012	$62,905
C.G.F.A.	NIL	NIL	NIL
Aberfoyle Group	$21,929	-	$21,929
TOTALS	$54,822	$30,012	$84,834

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020

141021

APPENDIX 1

DRILL LOGS M.L. 50 - 55

HOLE No.:

SCALE:

RENISON LIMITED
DIAMOND DRILL HOLE PLOT

141022

021

MT. LINDSAY DIAMOND DRILLING

DRILL PLOT KEY

DEVONIAN

Meredith Granite: porphyritic granite & dykes.

CAMBRIAN

Crimson Creek Formation

Skarn: with magnetite and/or chlorite-phlogopite.

Calc-silicate: garnet, diopside, carbonate bands.

Carbonate: grey, unaltered and recrystallised.

Chert: grey to grey-brown and siliceous shales.

Mottled Zone: interbanded grey shales and cream-green-brown cherts.

Magnetic Shales: altered labile psammopelites with magnetite.

Non-magnetic Shales: altered psammopelites.

Weathered Clay After Carbonate.

Fault Zone

RENISON LIMITED - DRILL CORE RECORD

141023

022

HOLE NUMBER	M.L. 55
PURPOSE	To test No. 2 Carbonate - above intersection in M.L. 51.
LOCATION	Mr. Lindsay
COLLAR R.L.	2351.2m.
CO-ORDINATES	N: 31479.8m E: 11472.7m
LENGTH	340.0m
HOLE SIZE	Hq 0-18.0., 35.0-42.0m Bq 126.0-340.0 Nq 18.0-35.0, 42.0-126.0m.
DATE DRILLED	9/6/79 - 8/5/79
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	
LOGGED BY	R. Schellekens
COMMENTS	Hole intersected No 2 Carbonate twice. Repitition due to faulting (?)

SURVEY Depth	SURVEY Bearing	SURVEY Dip	From – To	Distance D	VERTICAL D.Sin.Dip	VERTICAL R.L.	HORIZONTAL D.Cos.Dip	HORIZONTAL Prog. Total
0.0	36° 13' 20"	-48° 49'59"	0- 13.25	13.25	10.0	2341.2	8.7	8.7
26.5	42°	-48°	- 45.25	32.0	23.8	2317.4	21.4	30.1
64.0	37°	-48°	- 75.5	30.25	22.5	2294.9	20.2	50.3
87.0	35°	-48°	-123.0	47.5	35.3	2259.6	31.8	82.1
159.0	40°	-48°	-172.5	49.5	36.8	2222.8	33.1	115.2
186.0	41°	-48°	-207.5	35.0	26.0	2196.8	23.4	138.6
229.0	46°	-48½°	-255.5	48.0	35.9	2160.9	31.8	170.4
282.0	50°	-49°	-310.5	55.0	41.5	2119.4	36.1	206.5
339.0m	45°	-49°	-340.0	29.5	22.3	2097.1	19.4	225.9

SUMMARY – ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t				B.C.A.
No 2 Carbonate	188.0m	210.0m	22.0m	<0.01	0.01	<0.05	<0.10		0.004	0.007	0.005	0.09	2				

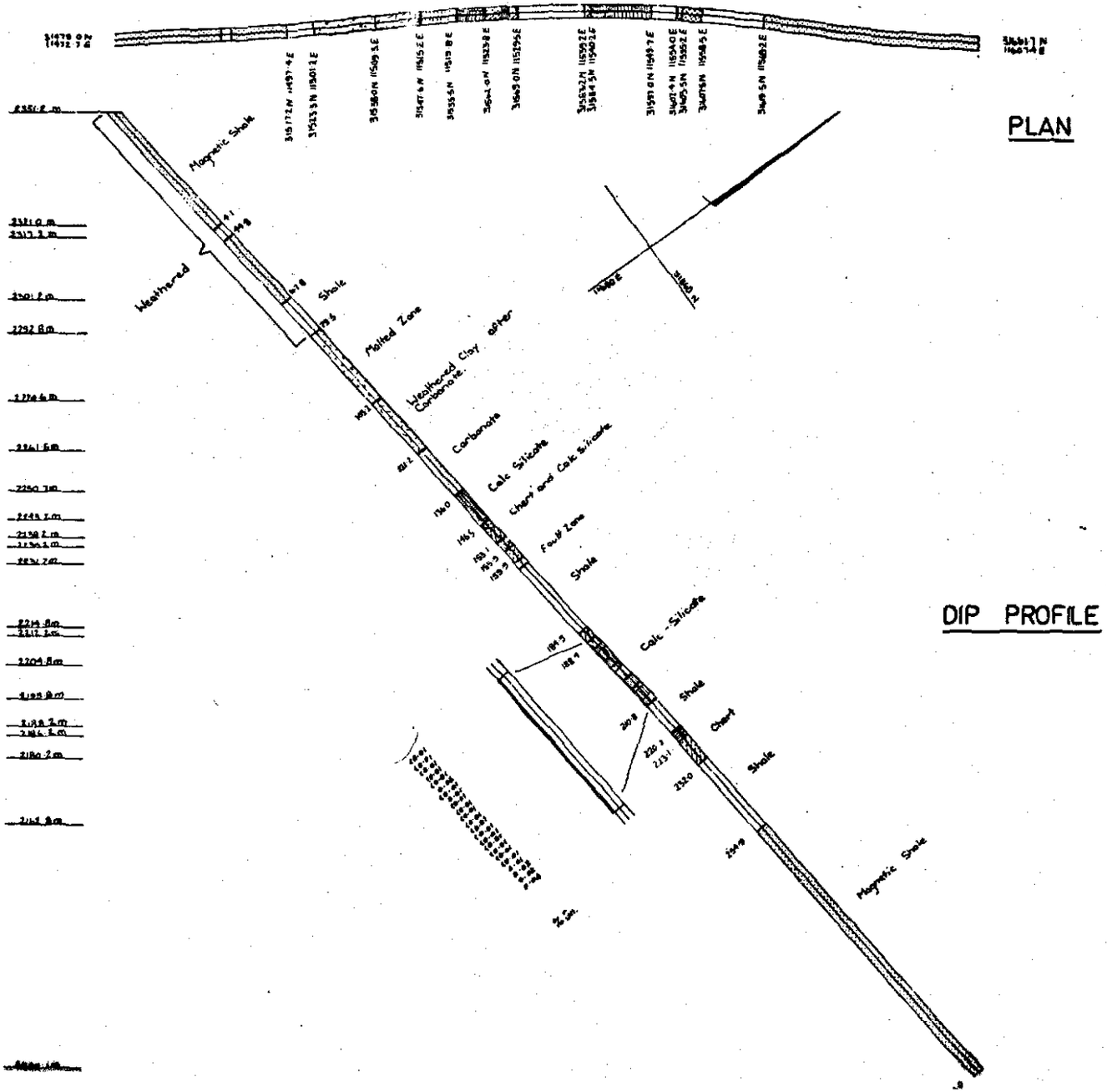
HOLE No. ML 55

SCALE: 0 20 40 metres

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

5 cm



DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 55

LOGGED BY : R. Schellekens

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
0.0	41.1	36.1	88	WEATHERED TO SLIGHTLY WEATHERED MAGNETIC TUFFACEOUS SHALES													
				Grey to dark grey hard to soft, fine to medium grained. Core generally very broken - poor core recovery in some zones, Limonite and/or white clay, strong fracture surfaces.													
				MS 300-10000. B.C.A. 40°-60° increases with depth.													
				25.0-34.0m white clay on fracture surfaces.													
41.1	44.8	3.2	86	WEATHERED TO SLIGHTLY WEATHERED NON MAGNETIC TUFFACEOUS SHALE													
				As above, but non-magnetic. M.S.≤100 B.C.A. 60°.													
44.8	67.8	17.5	76	WEATHERED TO SLIGHTLY WEATHERED MAGNETIC TUFFACEOUS SHALE													
				As above. M.S. ≤100-5400. B.C.A. 60°.													
67.8	79.5	6.5	56	SLIGHTLY WEATHERED NON-MAGNETIC TUFFACEOUS SHALE													
				As above. M.S. ≤100. B.C.A. 60°.													
79.5	103.2	22.5	95	MOTTLED ZONE													
				Grey to grey-brown slightly silicified shales with some cream-green-pink chert bands. Cherts become more abundant with depth (below 88.0m) and grained size varies from fine-coarse grained, contain some elongated fragments of white chert. Core slightly weathered above 92.0m - with limonite and some pyrrhotite along fracture surfaces. Cherts show graded bedding - indicates younging downwards. MS ≤100. B.C.A. 60°.													
				80-80.5m grey-green chert band with white chert fragments.													
				86.4-87.5(?)m brown clay band - poor core recovery - possible weathered carbonate band.													
103.2	121.2	6.5	36	WEATHERED CARBONATES													
				Soft brown-cream-grey-green clays, well banded. Very poor core recovery. Probably represents the weathered top of the No. 2 carbonate. MS ≤100. B.C.A. 60°.													
121.2	136.0	14.8	100	CARBONATE	NO. 2 CARBONATE												
				Soft fine grained, well banded, grey carbonates with some thin grey-brown chert bands and rare calc-silicates - containing garnet and diopside - more abundant towards base. MS≤100-300. B.C.A. 60°.													
				129.5-129.6m Calc-silicate band													
				129.8-130.1m " " "													

025

141026

DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 55

LOGGED BY : R.R.S.

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
136.0	140.0	4.0	100	CALC-SILICATES													
				With some thin bands of chert and carbonate. Calc-silicates														
				consist of bands of fine grained brown-pink garnets, light green														
				diopside and rare dark brown vesuvianite. Carbonate bands -														
				grey, chert bands green-grey. Rare pyrrhotite in patches,														
				associated with vesuvianite and long fractures. MS ≤100-200.														
				B.C.A. 60°.														
140.0	146.5	6.0	100	CALC-SILICATES													
				Brown-green calc-silicates as above with only rare carbonate and														
				chert bands. Garnets fine to medium grained. White carbonate														
				patches often associated with vesuvianite. Carbonate also occurs														
				along fractures. Rare pyrrhotite associated with vesuvianite-														
				carbonate. MS ≤100-800. B.C.A. 60°.														
				141.1m specks of blue fluorescent scheelite in thin vein.														
				145.7-146.5m disseminated pyrrhotite (10%).														
146.5	148.4	1.9	100	CHERTS AND CALC-SILICATES													
				Interbedded grey to grey-brown cherts and brown-white calc-														
				silicate bands. MS ≤100-200. B.C.A. 60°.														
				147.4-148.3 calc-silicate band - mainly fine grained garnets.														
148.4	153.1	4.7	100	CHERTS													
				Grey to grey-brown with fine grained streaks parallel to banding														
				- possibly fine grained sulphides. Pyrrhotite also occurs in														
				fine grained rounded clots. MS ≤100-700. B.C.A. 60°.														
153.1	155.9	2.8	100	CALC-SILICATES													
				With some chert bands - containing garnet diopside and white														
				carbonate. MS≤100-1000. B.C.A. 55°.														
155.9	159.9	4.0	100	CHERTS													
				With minor calc-silicate bands. Cherts containing dark streaks														
				of fine grained pyrrhotite(?), which also occurs along fractures														
				- 5-10% sulphides in core. MS 500-1500. B.C.A. 55°.														
				157.2-157.4m Calc-silicate band with 10% pyrrhotite.														
				157.6-157.8m " " " little pyrrhotite.														

DIAMOND DRILL RECORD

141027

HOLE NUMBER : M.L. 55

LOGGED BY : R.R.S.

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
159.9	161.0	1.1	100	MAGNETIC TUFFACEOUS SHALES													
				Soft-hard grey shales with rare green-cream chert bands and some													
				spotted bands. Some pyrrhotite along fractures. MS 200-1000.													
				B.C.A. 60°.													
				160.3-161.0m Core broken and fractured with carbonate along													
				fracture surfaces.													
161.0	184.9	23.9	100	NON-MAGNETIC TUFFACEOUS SHALES													
				Grey, as above. Some spotted sections and pyrrhotite along													
				fracture surfaces. MS≤100. B.C.A. 60°.													
				161.0-161.4m. Core broken, carbonate along fractures.													
184.9	188.4	3.5	100	CHERT													
				Grey-cream-green fine banded (irregular) chert, with small scale													
				faulting. Actinolite on fractures. Patches of fine grained													
				pyrrhotite below 187.6m. MS 500-1100. B.C.A. 55°.		187.0	188.0	< 0.01	< 0.01	< 0.05	< 0.10		0.003	0.004	0.004	2	<0.01
							189.0	"	"	"	"		"	0.003	"	2	0.01
188.4	210.8	22.4	100	CALC-SILICATES			190.0	"	"	"	"		0.004	0.004	0.005	3	0.01
				Well banded soft calc-silicates, consisting of pink garnet			191.0	"	"	"	"		0.004	0.017	0.005	3	0.01
				(fine-medium grained grey carbonate minor green diopside and rare			192.0	"	"	"	"		0.003	0.002	0.005	2	<0.01
				vesuvianite (with associated carbonate and pyrrhotite).		192.0	193.0	0.02	0.01	< 0.05	< 0.10		0.003	0.003	0.005	2	0.02
				Some thin chert bands (5% of core up to 0.1m thick). Some			194.0	< 0.01	< 0.01	< 0.05	< 0.10		0.003	0.003	0.003	2	0.01
				carbonate veins up to 0.1 thick. Minor pyrrhotite 2% of core.			195.0	0.01	0.01	< 0.05	< 0.10		0.003	0.006	0.005	2	0.01
				MS ≤ 100-2400. B.C.A. 50°.			196.0	< 0.01	0.01	< 0.05	< 0.10		0.005	0.008	0.005	2	0.11
				190.1-190.3m Purple axinite in fracture - some sulphides.			197.0	< 0.01	0.01	< 0.05	< 0.10		0.003	0.005	0.003	2	<0.01
				192.1 Blue fluorescing scheelite specks.			198.0	< 0.01	0.01	< 0.05	< 0.10		0.005	0.005	0.005	1	"
				194.8m " " " "			199.0	< 0.01	0.01	< 0.05	< 0.10		0.004	0.007	0.007	2	0.01
				195.3m Yellow-blue fluorescing scheelite specks.			200.0	< 0.01	0.01	< 0.05	< 0.10		0.006	0.009	0.007	3	0.01
				195.7m Blue Fluorescing scheelite specks.			201.0	< 0.01	0.02	< 0.05	< 0.10		0.004	0.008	0.005	2	<0.01
				200.5-203.0m Fractured calc-silicate with white carbonate on			202.0	< 0.01	0.01	< 0.05	< 0.10		0.005	0.010	0.005	2	0.01
				fractures - very faint banding.			203.0	< 0.01	0.01	0.07	< 0.10		0.004	0.007	0.007	2	0.02
				201.7-206.2m Rare scheelite specks (0.01% WO_3).			204.0	< 0.01	0.01	< 0.05	< 0.10		0.003	0.005	0.005	3	0.05
				201.9-203.0m Bands of oxidising pyrrhote - some chalcopyrite and			205.0	< 0.01	0.01	< 0.05	< 0.10		0.004	0.007	0.006	2	0.01
				bands of garnet sulphides 20-30%.			206.0	< 0.01	0.01	< 0.05	< 0.10		0.004	0.011	0.006	2	0.38
				205.1-205.2m Vesuvianite-carbonate-pyrrhotite band.			207.0	0.01	0.02	< 0.05	< 0.10		0.004	0.007	0.004	2	0.16
				206.2-208.0m Grey-green chert band - minor calc-silicates.			208.0	0.03	0.01	< 0.05	< 0.10		0.003	0.006	0.004	2	0.51
				209.0-210.3m Fine grained calc-silicate.			209.0	0.02	0.01	< 0.05	< 0.10		0.004	0.007	0.004	2	0.02
				209.0m Blue fluorescing scheelite specks.			210.0	0.04	0.02	< 0.05	< 0.10		0.005	0.007	0.008	3	1.04
				210.0m Coarse grained massive scheelite vein 1cm thick.													

027

DIAMOND DRILL RECORD

141028

HOLE NUMBER : ML 55

LOGGED BY : R.R.S.

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
210.8	220.7	9.9	100	FRACTURED MAGNETIC-NON-MAGNETIC TUFFACEOUS SHALES: and some cherts. Mostly fractured grey shales with some grey cherts (finely fractured) and rare calc-silicate bands. Fractures coated with actinolite and pyrite. M.S. ≤100 - 600 B.C.A. 55°. 212.2 - 212.3m calc-silicate band. 216.9 - 217.1m pyrrhotite along fractures in chert.													
220.7	223.1	2.4	100	CALC-SILICATES: Fine ground pink-brown garnet, grey carbonate minor diopside +10% disseminate pyrrhotite; and some chert bands - especially below 222.0m MS ≤100 - 900 BCA 55°. 221.9m specks of scheelite.													
223.1	231.0	11.9	100	CHERT: Grey to grey brown cherts - fractured in places with some black shale bands and rare thin calc-silicates. Pyrite along fractures. MS≤100 - 900 BCA 55°. 224.9 - 225.2m calc-silicate band - garnet, carbonate and 20% pyrrhotite. 225.5 - 225.6m brown chert bands some pyrrhotite. 226.6 - 226.9m dark grey shale + carbonate along fractures. 226.9 - 229.5m brown chert bands with carbonate along fractures.													
231.0	254.9	23.9	100	NON-MAGNETIC TUFFACEOUS SHALES: Mostly grey-some grey brown to light grey bands fine grained. Fractures-coated with carbonate and or chlorite MS≤100 BCA 60°. 232.0 - 234.5 fracture zone - carbonate along fractures.													
254.9	340.0	85.1	100	MAGNETIC TUFFACEOUS SHALES: grey to light grey fine grained with some coarser grained beds (graded bedding indicates younging downwards) Rare thin chert bands. Some black spotting of core - often near fractures. Fractures filled with chlorite or sericite with minor carbonate and some rhodochrosite. MS ≤100 - 8900 BCA 60°. 272.2m chert band spotted green-cream. 274.1m rhodochlorist on fracture. 287.8 - 288.4m rounded light grey fine grained sedimentary fragments in coarser grained tuff.													

DIAMOND DRILL RECORD

141029

HOLE NUMBER : ML 55

LOGGED BY : R.R.S.

	INTERVAL (m)		RECOVERY		DESCRIPTION	FORM.	% Sul.											
	FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
					294.5m quartz-chlorite vein-rare sulphides angle 45°.													
					301.8 - 304.5 zone of thin chert bands cream-green-brown.													
					307.8 - 307.9m fragments of chert in shales and rhodochrosite on fractures.													
					308.5 - 310.3m zone of quartz-chlorite veining-rare sulphides.													
					315.0 - 319.0m some fractures show bleaching to 0.25cm from fracture.													
					325.2m rhodochrosite on fracture.													
					329.5 - 331.5m zone of low angle fractures with rhodochrosite													
					331.8 - 331.9m chert band angle 70°.													
					340.0m B.C.A. 60°.													
					END OF HOLE. 340.0m.													

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

141030 HOLE No.: M.L.55.

029

Magnetic Susceptibility $x10^{-6}$ c.g.s. units.

Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.
			← 44.1 →										← 254.9 →				
3.0	2400	45.0	800	87.0	≤100	129.0	≤100	171.0	≤100	213.0	≤100	255.0	1100	297.0	400	339.0	400
-	5100	-	1700	-	≤100	130.0	"	-	"	-	200	-	700	-	1800	340	2300
-	5900	-	5400	-	"	-	"	-	"	-	≤100	-	≤100	-	8500	End Sample	
-	4500	-	4600	90.0	"	-	"	-	"	-	"	-	"	300.0	3400		
-	2700	-	2200	-	"	-	"	-	"	-	"	-	400	-	3500		
-	8000	50.0	3500	-	"	-	"	-	"	-	200	260.0	400	-	≤100		
-	10000	-	2100	-	"	-	"	-	"	-	400	-	5800	-	2700		
10.0	2000	-	1300	-	"	-	"	-	"	220.0	600	-	5300	-	800		
-	4400	-	2200	-	"	-	"	-	"	-	900	-	3200	-	1900		
-	1600	-	1600	-	"	-	200	180.0	"	-	600	-	2400	-	2400		
-	5300	-	1000	-	"	-	200	-	"	-	≤100	-	7200	-	2800		
-	6100	-	6200	-	"	140.0	≤100	-	"	-	800	-	3700	-	6000		
-	2500	-	3800	-	"	-	"	-	"	-	≤100	-	5600	-	1700		
-	4200	-	4300	100.0	"	-	"	-	"	-	900	-	4900	310.0	≤100		
-	2500	-	1400	-	"	-	400	-	"	-	500	-	6400	-	2700		
-	4300	60.0	3000	-	"	-	800	-	700	-	≤100	270.0	3200	-	3700		
-	1000	-	2100	-	"	-	≤100	-	500	-	300	-	4500	-	3300		
20.0	1600	-	900	-	"	-	"	-	1180	230.0	≤100	-	1300	-	700		
-	2400	-	600	-	"	-	"	-	500	-	200	-	2000	-	600		
-	3500	-	≤100	-	"	-	200	190.0	2400	-	≤100	-	≤100	-	2300		
-	5000	-	4200	-	"	-	300	-	500	-	"	-	2300	-	6000		
-	4600	-	3600	-	"	150.0	600	-	200	-	"	-	1900	-	2100		
-	1300	-	3200	-	"	-	700	-	500	-	"	-	1000	-	6000		
			← 67.8 →														
-	1500	-	≤100	110.0	"	-	400	-	≤100	-	"	-	900	320.0	800		
-	1100	-	"	-	"	-	100	-	500	-	"	-	7800	-	1200		
-	400	70.0	"	-	"	-	200	-	200	-	"	280.0	8900	-	2300		
-	900	-	"	-	"	-	1000	-	700	-	"	-	5700	-	1800		
30.0	1300	-	2900	-	"	-	500	-	1400	240.0	"	-	2200	-	1100		
-	1100	-	≤100	-	"	-	1500	-	300	-	"	-	2100	-	1800		
-	600	-	"	-	"	-	600	200.0	2300	-	"	-	5300	-	1300		
-	2200	-	"	-	"	-	1000	-	600	-	"	-	3800	-	1200		
-	300	-	"	-	"	160.0	1300	-	2400	-	"	-	6600	-	≤100		
-	4300	-	"	-	"	-	200	-	500	-	"	-	5000	-	400		
-	1900	-	"	120.0	"	-	≤100	-	300	-	"	-	1200	330.0	≤100		
-	4000	-	"	-	"	-	"	-	300	-	"	-	3700	-	2900		
-	3200	80.0	"	-	"	-	"	-	200	-	"	290.0	≤100	-	1600		
-	4300	-	"	-	"	-	"	-	400	-	"	-	2600	-	1700		
40.0	2000	-	"	-	200	-	"	-	400	250.0	"	-	1800	-	2000		
-	300	-	"	-	≤100	-	"	-	300	-	"	-	1300	-	≤100		
	← 41.1 →																
	≤100	-	"	-	300	-	"	210.0	1100	-	"	-	5800	-	"		
-	"	-	"	-	≤100	-	"	-	200	-	"	-	6700	-	300		
-	"	-	"	-	800	170.0	"	-	300	-	"	-	3400	-	200		

CORE ANALYSER RESULTS		
* Incomplete length due to broken core.		
From	To	% Sn
133.9	134.9	0.04
134.9	135.9	0.03
135.9	136.9	0.06
136.9	137.9	0.05
137.9	138.9	0.07
138.9	139.1	0.15
139.0	140.0	0.03
140.0	141.0	0.06
141.0	142.0	0.04
142.0	143.0	0.06
143.0	144.0	0.08
144.0	145.0	0.08
145.0	145.6	0.01
146.1	146.7	0.05
147.5	147.7	0.10
147.8	148.0	0.01
148.0	148.6	0.05
148.7	148.9	0.38
150.1	151.1	0.05
151.1	151.5	0.06
152.3	153.3	0.05
153.3	154.3	0.04
154.3	155.3	0.05
155.3	156.3	0.06
187.6	188.0	0.07
188.0	189.0	0.02
189.0	190.0	0.01
190.0	191.0	0.02
191.0	192.0	0.01
192.0	193.0	0.04
193.0	194.0	0.06
194.0	195.0	*0.03
195.0	196.0	0.07
196.0	197.0	0.03
197.0	198.0	0.04
198.0	199.0	*0.00
199.0	200.0	0.06
200.0	201.0	0.05
201.0	202.0	0.03
202.0	203.0	0.03
203.0	204.0	*0.11
204.0	205.0	0.02
205.0	206.0	0.03
206.0	207.0	*0.02
207.0	208.0	*0.10
208.0	209.0	0.04
209.0	210.0	0.06

RENISON LIMITED - DRILL CORE RECORD

141031

030

HOLE NUMBER	M.L. 54
PURPOSE	To test the Main Lode east of the Mt. Lindsay Mine and beneath M.L. 52
LOCATION	Mt. Lindsay
COLLAR R.L.	2468.8m
CO-ORDINATES	31888.0mN 10981.3mE
LENGTH	200.2m
HOLE SIZE	Hq 0 - 10.0 Bq 19.0 - 200.2 Nq 10.0 - 19.0
DATE DRILLED	28th March - 4th April, 1979
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	Good
LOGGED BY	R.R.Schellekens.
COMMENTS	Tin mineralisation appears to be confined to actinolite - pyrrhotite zones - 0.2 - 0.3% Sn (core analyser); with some minor mineralisation 0.1% Sn (Core analyser) in the calc-silicate bands.

SURVEY Depth	SURVEY Bearing	SURVEY Dip	From - To	Distance D	VERTICAL D.Sin.Dip	VERTICAL R.L.	HORIZONTAL D.Cos.Dip	HORIZONTAL Prog. Total
0.0	42°56'28"	-50°43' 1"	0 - 27.0	27.0	20.9	2447.9	17.1	17.1
54.0m	45°	- 53½°	- 80.0	53.0	42.6	2405.3	31.5	48.6
106.0m	45°	- 54°	-126.5	46.5	37.6	2367.9	27.3	75.9
147.0m	42°	- 54°	-173.0	46.5	37.6	2330.1	27.3	103.2
199.0m	38°	- 54°	- 200.2	27.2	22.0	2308.1	16.0	119.2

SUMMARY — ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t				B.C.A.
No 2 ?	147.4 m	169.4	22.0 m	0.11	0.09	0.05	0.19		0.004	0.014	0.008	0.02	3				

HOLE No. ML 54

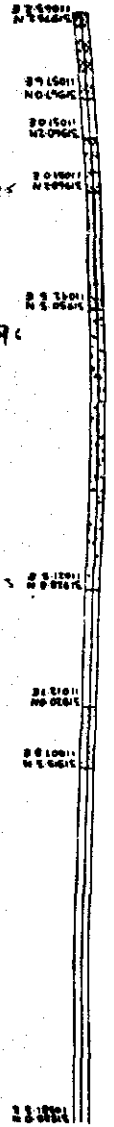
SCALE: 0 10 20 metres

RENISON LIMITED

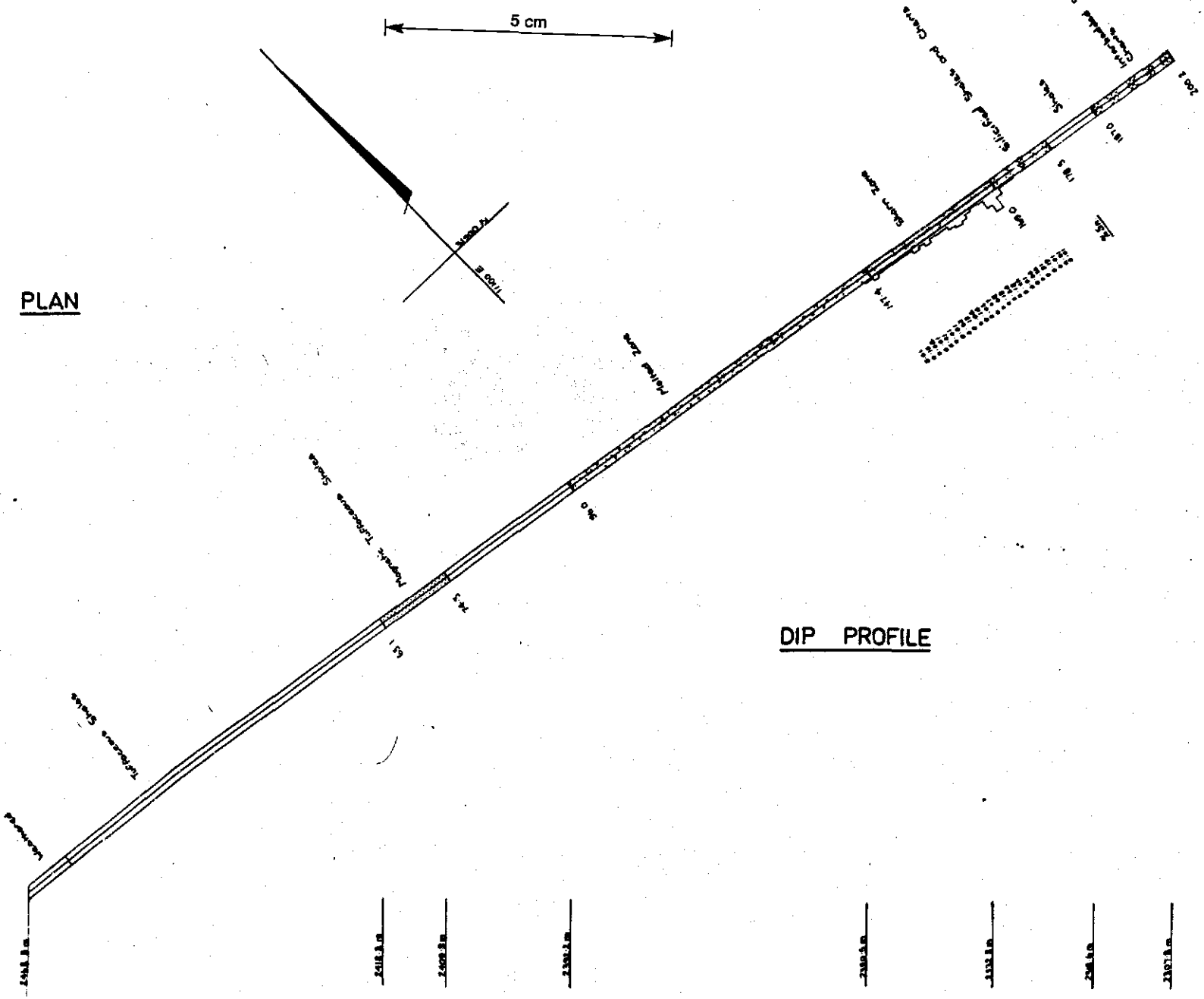
DIAMOND DRILL HOLE PLOT

031

5 cm



PLAN



DIP PROFILE

1411032

032

DIAMOND DRILL RECORD

141033

HOLE NUMBER : M.L. 54

LOGGED BY : R.E.S.

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
0.0	7.6	5.6	74	WEATHERED NON-MAGNETIC TUFFACEOUS SHALE: grey to grey-brown hard to soft, fine to medium grained. Core weathered near surface - below 4.0m. weathering mainly confined along fractures. Core broken in places M.S. ≤100 B.C.A. 60°.													
7.6	63.1	55.5	100	UNWEATHERED NON MAGNETIC TUFFACEOUS SHALES: mainly grey fine to medium grained shales and some sandstone beds, graded bedding indicates younging downwards. Some bands contain coarser, fine-grained, light grey, round, sedimentary fragments. Some thin chert bands cream-light green-pink 3cm in width. Minor silicification and bleaching near some fractures. Fractures mostly clean-some containing actinolite, and quartz-light grey chloritic. Rare sulphides - mostly in veins associated with quartz and actinolite M.S. ≤100 B.C.A. 60°. 7.8 - 8.0m quartz-actinolite along fractures. 54.2 - 34.3m chert band green-cream pink. 57.3 - 37.6m broken core. 50.0 - 52.5m colour grey brown - some chert bands. 52.5 - 55.0m Light grey sandstone band. 58.6 - 59.3m chert zone bedding disrupted. Sulphides (pyrite) near base associated with actinolite and fracturing.												
63.1	74.3	11.2	100	MAGNETIC TUFFACEOUS SHALES: as above (7.6 - 63.1m) - magnetic MS ≤100 - 5100 B.C.A. 60°. 63.9 - some large light grey fine grained rounded fragments in core 71.0 - 73.5m rhodochrosite along fractures. 71.8 - 72.4m colour grey-brown. 72.8 - 74.3m light grey coarser band with some black spotting.													
74.3	96.0	21.7	100	NON MAGNETIC TUFFACEOUS SHALES: as before M.S. ≤100 BCA 60° 78.6 - 79.0m quartz actinolite-pyrrhotite vein. 85.3 - 85.3m light grey bleached zone with carbonate pyrite vein. Below 87.0m core light grey in colour.													
96.0	147.4	51.4	100	MOTTLED ZONE: Light grey to grey-brown, cream and green bands, fine to medium grained consisting mostly of grey and grey-brown shales, and cream-green chert bands mostly towards base. Graded Bedding indicates younging downwards. Actinolite and pyrrhotite along fractures. Rare quartz and carbonate veins. Core slightly broken in places-generally in 10cm lengths. Fractures mostly low angle 60° MS ≤100 B.C.A. 60° at 100m 50° at 130m. 116.9 - 117.1 quartz-actinolite-pyrrhotite vein.		141.4	147.4		0.01				0.002	0.015	0.004	2	0.01

033

DIAMOND DRILL RECORD

141034

HOLE NUMBER M.L. 54

LOGGED BY : R.R.S.

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
				132.7 - 132.8m green, cherty sandstone band with chert fragments													
				135.5 - 136.3m quartz-actinolite zone, no sulphides, disrupted banding containe cream-green chert fragments.													
147.4	169.0		100	SKARN ZONE: Interbanded calc-silicate, skarn minor, chert and shale bands. Colour cream, grey brown to dark green - depending on minerals present. Calc-silicate generally consist of fine grained brown garnet, light green diopside and white carbonate. Skarn bands - dark green actinolite with pyrrhotite and minor pyrite, chalcopyrite and rare bismuthinite (?); Very minor tourmaline and magnetite. Tin mineralisation associated with actinolite-sulphide skarn zones M.S. ≤100 - 4000, BCA variable generally 30° - 40°.	No. 2	146.4	147.4	<0.01	0.01	<0.05	<0.10		0.002	0.015	0.004	2	0.01
							148.4	0.10	"	"	0.15		0.004	"	0.010	3	0.01
							149.4	0.04	0.06	"	0.10		0.003	0.012	0.027	3	0.09
							150.4	<0.01	0.02	"	<0.10		0.002	0.010	0.003	2	<0.01
							151.4	<0.01	0.02	<0.05	<0.10		0.002	0.011	0.004	3	0.01
							152.4	<0.01	0.01	0.07	<0.10		0.003	0.011	0.004	3	0.01
							153.4	"	0.02	<0.05	"		0.004	0.012	0.007	4	0.01
							154.4	0.02	0.03	<0.05	<0.10		0.005	0.013	0.006	5	0.01
							155.4	0.12	0.09	<0.05	<0.10		0.003	0.012	0.004	3	0.01
				147.4 - 149.2m Calc-silicate band - fine grained brown garnet minor diopside. Some chert showing disrupted banding. Patch of actinolite - carbonate, garnet and rare sulphides 148.1 - 148.4m.			156.4	0.04	0.05	<0.05	0.10		0.004	0.010	0.006	3	0.01
							157.4	0.14	0.16	"	0.15		0.003	0.013	0.007	4	0.01
							158.4	0.06	0.09	"	0.10		0.009	0.027	0.006	4	0.04
							159.4	0.07	0.10	"	0.10		0.004	0.011	0.008	4	0.14
				148.5m spots of scheelite. 148.8m spots of scheelite (large)			160.4	0.08	0.09	"	<0.10		"	0.015	0.007	3	0.01
				149.2 - 151.3m cherts and cherty shales with carbonate veins (angle 50°) up to 2cms wide. Sulphides on thin fractures - pyrrhotite-minor pyrite and chalcopyrite B.C.A. 30°.			161.4	0.18	0.14	0.05	0.15		0.003	0.013	0.013	4	0.01
							162.4	0.24	0.18	<0.05	0.15		0.003	0.017	0.006	3	<0.01
							163.4	0.18	0.16	<0.05	0.40		0.004	0.016	0.007	3	0.03
							164.4	0.06	0.06	0.07	<0.10		0.005	0.027	0.005	1	0.01
				151.3 - 152.6m Skarn; coarse grained magnetite-carbonate-pyrrhotite minor chalcopyrite with some dark green fluorite. Sulphides - 20%.			165.4	<0.01	0.01	<0.05	<0.10		0.003	0.014	0.004	1	<0.01
							166.4	0.06	0.08	<0.05	0.10		0.003	0.015	0.005	1	0.01
							167.4	0.30	0.25	<0.05	0.25		0.003	0.014	0.008	3	0.04
				152.6 - 152.7m dark grey shale band.			168.4	0.51	0.38	0.08	0.25		0.003	0.017	0.012	3	0.04
				152.7 - 154.3m Calc-silicates grey-green-brown fine grained B.C.A. 40° - garnet, diopside, carbonate and green soft prehnite (?) Some chert bands. No sulphides.			169.4	0.19	0.18	0.05	0.90		0.003	0.015	0.012	2	<0.01
				154.3 - 155.1m Skarn - dark green actinolite - pyrrhotite and carbonate. Fine grained.														
				155 1 - 155.9m Calc-silicates - garnet, diopside and carbonate with 30% sulphides (disseminated pyrrhotite and minor chalcopyrite). Minor black tourmaline. Some chert bands.														
				155.9 - 158.2m Calc-silicates No-sulphides B.C.A. 40°.														
				156.7m spots of scheelite.														
				158.2 - 159.2m Calc-silicates "spotted with carbonate and some actinolite. Some chert bands, rare sulphides.														
				158.4 - 158.6m spots of blue fluorescent scheelite.														
				159.0 spots of scheelite.														
				159.1 - 160.0m Calc-silicates - garnet, diopside and some chert bands.														

034

DIAMOND DRILL RECORD

HOLE NUMBER RL 54

LOGGED BY :R.R.S.

141035

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
				160.0 - 163.2m Skarn dark green actinolite with disseminated sulphides (pyrrhotite minor pyrite and chalcopyrite) Bands of grey-green chert and calc-silicates.													
				160.1m spots of scheelite.													
				163.2 - 167.1m patches of calc-silicates (garnet-diopside), skarn (*actinolite-carbonate-pyrrhotite*), and cream-green-grey cherts. B.C.A. 50°													
				163.5 - 163.6m actinolite - pyrrhotite- pyrite band.													
				163.8 - 164.0m actinolite - pyrrhotite bands.													
				165.9 - 167.1m several thin actinolite pyrrhotite - magnetite (?) bands.													
				166.7 - 167.7m some scheelite spots.													
				167.1 - 169.0m *Skarn dark green actinolite carbonate*, 20%, sulphides (pyrrhotite with rare arsenopyrite or bismuthinite).													
				168.5m - bismuthinite (?) in core.													
				168.95-169.0m large red-brown garnets bear base.													
169.0	178.5	9.5	100	SILICIFIED SHALES AND CHERTS: grey to grey-brown silicified shales and light grey cherts. *Minor calc-silicate bands.* Pyrrhotite along thin fractures in shales and as blebs in cherts. Some carbonate veins. M.S. 200 - 2300 B.C.A. variable 30° - 60°.		169.4	170.4	<0.01	0.01	<0.05	<0.10		0.004	0.012	0.005	3	0.01
							171.4	<0.01	<0.01	<0.05	<0.10		0.004	0.011	0.003	2	0.01
							172.0	<0.01	<0.01	<0.05	<0.10		0.003	0.017	0.003	1	<0.01
				169.0 - 169.8m grey-brown silicified shales with pyrrhotite along fractures.													
				169.05-169.15m quartz-pyrrhotite vein.													
				169.8 - 170.5m calc-silicate band - garnet, carbonate and some diopside.													
				170.5 - 173.0m fine-medium grained light grey chert bands.													
				173.0 - 175.6m grey-brown cherty shales and grey cherts - with some thin cream-green chert bands.													
				175.6 - 178.3m shales with carbonate along irregular fractures, and pyrrhotite along thin fractures. Cherty near base.													
				178.3 - 178.5m *calc-silicate* band - garnets-actinolite.													
178.5	187.0	8.5	100	SHALES: grey brown shales with pyrrhotite along fractures and some thin chert bands M.S. <100 - 1100. B.C.A. 30° - 60°.													
				178.6 - 178.7 actinolite-disseminated pyrrhotite band with dark on either side.													
				183.4m carbonate-pyrrhotite-arsenopyrite vein 5cms wide angle 60°.													

DIAMOND DRILL RECORD

141036

HOLE NUMBER : ML 54

LOGGED BY : R.R.S.

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
187.0	200.5	13.5	100	INTERBEDDED SHALES AND CHERTS: grey to grey brown shales and cherty shales with pyrrhotite and rare chalcopyrite along fractures, and cream-green cherts. Cherts show disrupted banding and often have spotted appearance due to presence of actinolite (?) and pyrrhotite. Minor sulphides - mostly pyrrhotite. Some carbonate veins. M.S. ≤ 100 - 700 B.C.A. 30°.													
				187.0 - 189.2m shales and cherts with some pyrrhotite.													
				189.2 - 191.0m shales - no cherts, some carbonate veins.													
				191.0 - 195.8m shales and spotted cherts.													
				195.8 - 200.2m shales - no cherts grey to light grey in colour.													
				END OF HOLE 200.2m.													

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

HOLE No.: M.L.54

036

MAGNETIC SUSCEPTIBILITY $\times 10^{-4}$ c.g.s units.

Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.
0.0	≤100	42.0	"	84.0	≤100	126.0	≤100	168.0	4000
-	"	-	"	-	"	-	"	-	800
-	"	-	"	-	"	-	"	170.0	600
-	"	-	"	-	"	-	"	-	900
-	"	-	"	-	"	130.0	"	-	2300
-	"	-	"	-	"	-	"	-	1200
-	"	-	"	90.0	"	-	"	-	600
-	"	-	"	-	"	-	300	-	700
-	"	50.0	"	-	"	-	≤100	-	400
-	"	-	"	-	"	-	"	-	200
100	"	-	"	-	"	-	"	-	800
-	"	-	"	-	"	-	"	-	600
-	"	-	"	-	"	-	"	180.0	800
-	"	-	"	-	"	-	200	-	500
-	"	-	"	-	"	140.0	100	-	100
-	"	-	"	-	"	-	300	-	500
-	"	-	"	100.0	"	-	100	-	1100
-	"	-	"	-	"	-	200	-	100
-	"	60.0	"	-	"	-	800	-	100
-	"	-	"	-	"	-	400	-	300
20.0	"	-	"	-	"	-	200	-	700
-	"	-	"	-	"	-	300	-	200
			← 63-1 →						
-	"	-	2400	-	"	-	≤100	190.0	100
-	"	-	2900	-	"	-	"	-	200
-	"	-	4200	-	"	150.0	"	-	700
-	"	-	5100	-	"	-	"	-	300
-	"	-	4200	110.0	"	-	300	-	400
-	"	-	4100	-	"	-	≤100	-	300
-	"	70.0	4600	-	"	-	"	-	≤100
-	"	-	3400	-	"	-	1400	-	"
30.0	"	-	100	-	"	-	300	-	"
-	"	-	300	-	"	-	1200	-	"
-	"	-	900	-	"	-	100	200	"
-	"	-	≤100	-	900	-	1200	200.2	"
-	"	-	"	-	≤100	160.0	100		
-	"	-	"	-	"	-	1100		
-	"	-	≤100	120.0	"	-	100		
-	"	-	"	-	200	-	600		
-	"	80.0	"	-	≤100	-	300		
-	"	-	"	-	"	-	300		
40.0	"	-	"	-	"	-	100		
-	"	-	"	-	"	-	600		

DRILL CORE ANALYSER RESULTS

From	To	% Sn	From	To	% Sn	From	To	% Sn
147.4	147.6	0.03	155.6	155.8	0.00	163.8	164.0	0.08
	147.8	0.04		156.0	0.07		-	0.10
	148.0	0.00		-	0.11		-	0.13
	-	0.20		-	0.01			0.00
	-	0.27		-	0.16		-	0.03
	-	0.08			0.05		165.0	0.04
	-	0.10		157.0	0.19		-	0.00
	149.0	0.09		-	0.10		-	0.00
	-	0.05		-	0.14		-	0.04
	-	0.04		-	0.16		-	0.00
	-	0.03		-	0.12		166.0	0.01
	-	0.00		158.0	0.06		-	0.29
	150.0	0.00		-	0.09		-	0.18
	-	0.00		-	0.14		-	0.14
	-	0.05		-	0.09		-	0.19
	-	0.06		-	0.03		167.0	0.00
	-	0.00		159.0	0.06		-	0.29
	151.0	0.03		-	0.14		-	0.59
	-	0.00		-	0.01		-	0.35
	-	0.01		-	0.01		-	0.43
	-	0.06		-	0.00		168.0	0.40
	-	0.00		160.0	0.01		-	0.52
	152.0	0.00		-	0.22			0.37
	-	0.00		-	0.31		-	0.42
	-	0.00		-	0.32		-	0.32
	-	0.02		-	0.13		169.0	0.33
	-	0.06		161.0	0.11		-	0.09
	153.0	0.00		-	0.26		-	0.07
	-	0.00		-	0.00		-	0.06
	-	0.00		-	0.12		-	0.04
	-	0.09		-	0.35		170.0	0.06
	-	0.02		162.0	0.27		-	0.06
	154.0	0.03		-	0.47		-	0.08
	-	0.04		-	0.20		-	0.00
	-	0.00		-	0.63		-	0.00
	-	0.16		-	0.66		171.0	0.07
	-	0.28		163.0	0.17		-	0.00
	155.0	0.26		-	0.18		-	0.00
	-	0.13		-	0.20		-	0.01
	-	0.05		-	0.06		-	0.03
	-	0.00		-	0.07		172.0	0.05

14103-1

RENISON LIMITED - DRILL CORE RECORD

141038

037

HOLE NUMBER	ML 53
PURPOSE	To test carbonate beds west of ML 39
LOCATION	Mt. Lindsay - E.L. 18/73
COLLAR R.L.	2452.4m
CO-ORDINATES	31706.4mN 10140.8mE
LENGTH	554.0m
HOLE SIZE	0 - 13.0 HQ 48.0 - 554.0m BQ 13.0 - 48.0 NQ
DATE DRILLED	23rd February - 26th March 1979
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	
LOGGED BY	R.R. Schellekens.
COMMENTS	Upper, smaller carbonate intersected in M.L. 39 intersected in M.L.53. Lower carbonate (main target) not intersected in M.L.53

SURVEY Depth	SURVEY Bearing	SURVEY Dip	From – To	Distance D	VERTICAL D.Sin.Dip	VERTICAL R.L.	HORIZONTAL D.Cos.Dip	HORIZONTAL Prog. Total
0.0m	225°42'36"	- 64° 30'	0 - 23.5m	23.5	21.2	2430.9	10.1	10.1
47.0m	223°	- 65° 30'	- 77.0	53.5	48.7	2382.1	22.2	32.3
107.0m	* 252°	- 65° 45'	- 132.0	55.0	50.1	2332.0	22.6	54.9
157.0m	232°	- 65°	- 184.0	52.0	47.1	2284.9	22.0	76.9
211.0m	225°	- 65°	- 232.0	48.0	43.5	2241.4	20.3	97.2
253.0	* 240°	- 65°	- 281.5	49.5	44.9	2196.5	20.9	118.1
310.0	231°	- 65°	- 331.0	49.5	44.9	2151.6	20.9	139.0
352.0m	231°	- 65°	- 371.5	40.5	36.7	2114.9	17.1	156.1
391.0m	231°	- 65°	- 419.5	48.0	43.5	2071.4	20.3	176.4
448.0	233°	- 64½°	- 480	60.5	54.6	2016.8	26.0	202.4
512.0m	237°	- 62½°	- 554	74.0	65.6	1951.2	34.2	236.6

SUMMARY – ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t				B.C.A.
	57.0	64.0	7.0	<0.01	<0.01	<0.05	<0.10		0.003	0.004	0.004	<0.01	1				

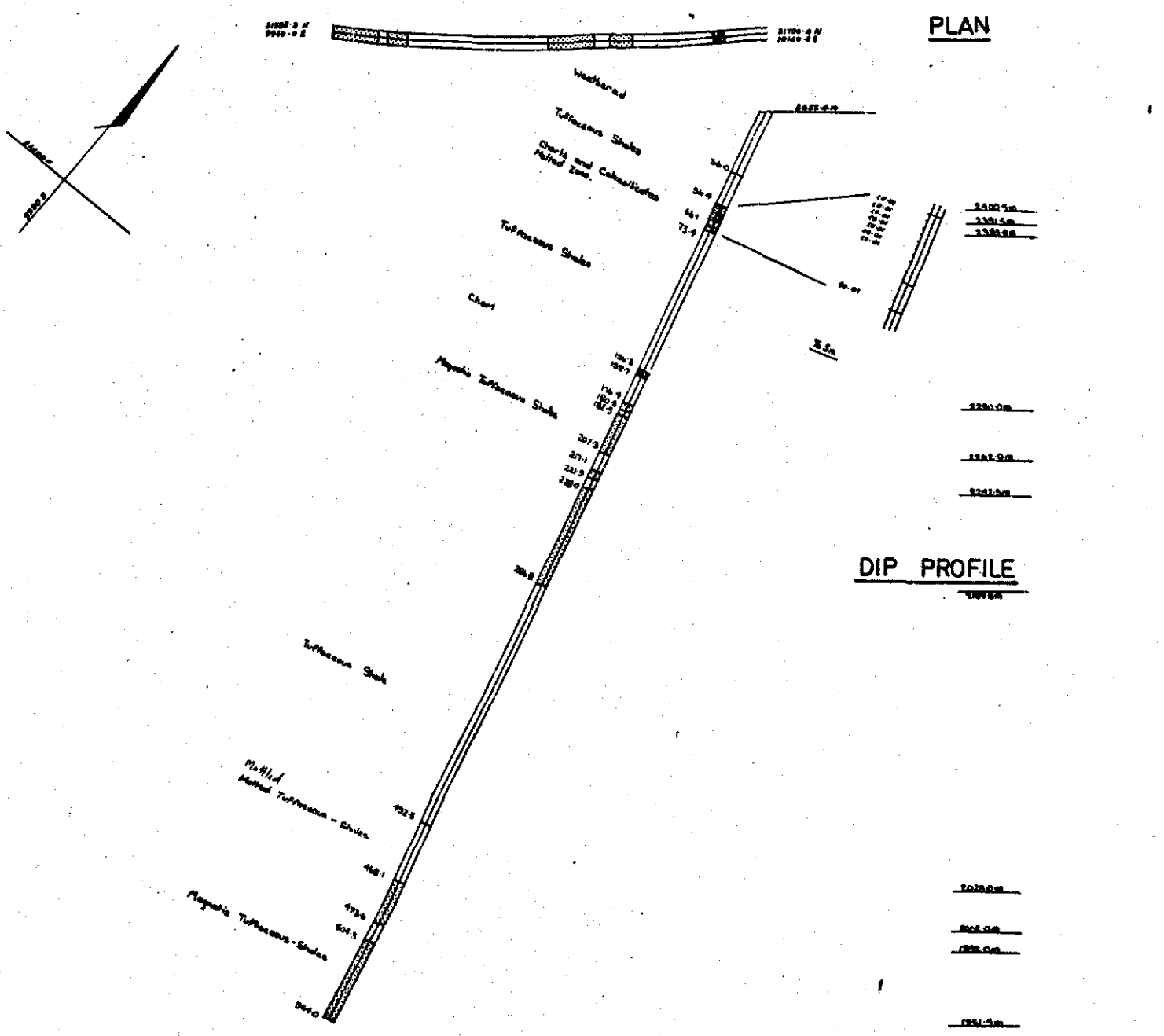
NWPB 81484

HOLE No. ML 83 SCALE:

DIAMOND DRILL HOLE PLOT

5 cm

038



141039

039

DIAMOND DRILL RECORD

HOLE NUMBER : RL 53

LOGGED BY : R.R.S.

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
0.0	36.0	32.7		WEATHERED NON-MAGNETIC TUFFACEOUS SHALES: soft grey, dark grey to brown, fine to medium grained. Weathering mainly confined to joints (limonite staining) - some joints contain dark green actinolite. Weathering becomes less with depth M.S. ≈100 x 10^{-6} c.g.s. units. BCA 20° - 25°, 30° at 22.0m. Below 30.8m some thin quartz veins, and only rare limonite staining. 33.0 - 36.0m quartz-chlorite zone with low angle fracture containing dark green actinolite. 34.6 - 34.8m fracture zone - core very broken. 35.5 - 35.8m fracture zone - core very broken with quartz, quartz-chlorite sericite veins.												
36.0	56.4	20.4	100	UNWEATHERED NON-MAGNETIC TUFFACEOUS SHALES: as before - no weathering along fractures. Fracture filled with quartz, quartz-actinolite-rare pyrrhotite M.S. ≈100 B.C.A. 20°. 38.2 - 38.3m quartz-chlorite-pyrite zone.													
56.4	66.1	9.7	100	INTERBANDED CHERTS AND CALC-SILICATES: grey-cream-green mainly bands of pale green diopside, carbonate, and minor garnets with disseminated pyrrhotite. Pyrrhotite and/or actinolite along fractures. Graded bedding - younging up, some small scale faulting - minor disruptions of banding. Contact with mottled zone appears unconformable. M.S. ≈100 - 1000 B.C.A. 35°. 58.1 - 58.7m diopside-carbonate bands with disseminated pyrrhotite. 59.2 - 60.5m diopside-carbonate bands with disseminated pyrrhotite. 63.0 - 63.4m " " " " " "		57.0	58.0	<0.01	<0.01	< 0.05	<0.10		0.003	0.003	0.003	2	<0.01
						58.0	59.0	<0.01	< 0.01	< 0.05	<0.10		0.003	0.003	0.003	1	< 0.01
						59.0	60.0	<0.01	< 0.01	< 0.05	<0.10		0.003	0.007	0.004	2	<0.01
						60.0	61.0	<0.01	< 0.01	< 0.05	<0.10		0.003	0.004	0.005	1	<0.01
						61.0	62.0	<0.01	< 0.01	< 0.05	<0.10		0.003	0.003	0.004	1	<0.01
						62.0	63.0	<0.01	< 0.01	< 0.05	<0.10		0.002	0.004	0.004	1	<0.01
						63.0	64.0	"	< 0.01	< 0.05	<0.10		0.003	0.005	0.004	1	<0.01
66.1	73.4	7.3	100	MOTTLED ZONE: green-brown-grey cherts and cherty shales-some minor calc-silicate bands. Fractures contain actinolite and/or pyrrhotite. Graded bedding indicates younging up. Some disruption of bands - possible slumping M.S. ≈100 - 600 B.C.A. 40°. 70.8 - 71.8m calc-silicate band - diopside, garnet, carbonate, grey chert bands, with some disseminated pyrrhotite. 72.0 - 72.2m calc-silicate bands as for 70.8 - 71.8m.		69.8	71.2	< 0.01	< 0.01	< 0.05	<0.10		0.003	0.009	0.004	1	<0.01
73.4	95.0	21.6	100	NON-MAGNETIC TUFFACEOUS SHALES: grey shales with some interbedded green chert bands. Fractures contain pyrrhotite and/or dark green actinolite. Fractures in shale bands mostly pyrrhotite. Some zones of actinolite - pyrrhotite (possible replacement of carbonate bands) mostly parallel to banding up to 3cm wide. M.S. ≈100 - 500 high MS probably due to presence of pyrrhotite. B.C.A. 45°. 89.2 - 89.5m disseminated pyrrhotite (50%) with actinolite.												

040

DIAMOND DRILL RECORD

HOLE NUMBER : RL 53

LOGGED BY : R.R.S.

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
95.0	125.0	30.0	100	NON-MAGNETIC TUFFACEOUS SHALES: grey shales before fine to medium grained with rare patches of pyrrhotite and actinolite. Pyrrhotite, grey chlorite on fractures, some quartz veins. M.S. ≤100 - 1000 - due to presence of pyrrhotite. B.C.A. 35°. 120.5 - 121.7m sulphides 20% (pyrrhotite) on fractures and along some bands (replacement?). 121.0 - 121.1m carbonate-diopside-chert band -with disseminated pyrrhotite angle 45°.													
125.0	156.5	31.5	100	NON-MAGNETIC TUFFACEOUS SHALES: as before, grey to grey brown with some dark green siliceous bands, and some thin calc-silicates Actinolite and pyrrhotite along fractures - with shales near fractures often bleached. Some bands of pyrrhotite parallel to BCA. Some quartz-chlorite (grey) - pyrrhotite veins. Spotting common near some fractures. M.S. ≤100 - 300 (due to presence of pyrrhotite) B.C.A. 40°. 125.8 - 125.9m pyrrhotite-actinolite band. 132.6 - 133.8m quartz-chlorite-pyrrhotite veining - fracture zone 135.7 - 136.9m bands of pyrrhotite (10% sulphides) parallel to bedding. 136.9m cream-green chert zone with actinolite and pyrrhotite angle 30°. 137.0 - 137.3m brown chert with blebs and bands of pyrrhotite. 142.0 - 142.1m green-cream chert band 5cms angle 20°. 144.0 - 144.1m " " " " 3 " " 20°. 153.0 - 153.2m brown chert bands. 153.2 - 156.5m light grey in colour. 154.2 - 154.3m grey rounded fragments with disseminated pyrrhotite within shales.													
156.5	157.6	1.1	100	BROWN CHERT: well bedded brown chert with grey shales and pyrrhotite disseminated and in blebs. Some disruption of banding M.S. ≤100 B.CA. 45°.													
157.6	158.5	0.9	100	INTERBEDDED BROWN CHERT AND GREY SHALES. M.S. 200													
158.5	159.7	1.2	100	BROWN CHERTS: as above with pyrrhotite in bands. Some bands of dark grey to grey green rock. M.S. ≤100.													

041

DIAMOND DRILL RECORD

HOLE NUMBER : RL 53

LOGGED BY : R.R.S.

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
159.7	176.4	16.7	100	Non magnetic tuffaceous shales grey - some small scale disruptions in bedding, rare calc-silicate bands. Some green actinolite and chert zones. Pyrrhotite on fractures, in some bands, and as blebs M.S. ≤100 B.C.A. 30°. 161.5m Calc-silicate band 2-3 cms wide angle 30°. 161.6m " " " " " " 169.5 - 169.6m quartz vein with pyrrhotite, pyrite and actinolite angle 30 .Shales silicified near edges of vein. 170.8 - 172.0m pyrrhotite (10%) in bands and as blebs.												
176.4	180.5	4.1	100	MAGNETIC TUFFACEOUS SHALES: grey as before, indistinguishable from non-magnetic shales. Some pyrrhotite in bands and as blebs. M.S. ≤100 to 1500 B.C.A. 179.7 - 179.8m quartz-actinolite-pyrrhotite vein low angle 0.5cms wide.													
180.5	182.5	2.0	100	NON MAGNETIC TUFFACEOUS SHALES: as before M.S. ≤100 B.C.A. -													
182.5	207.3	25.3	100	MAGNETIC TUFFACEOUS SHALES: as before grey M.S.≤100 to 5900 BCA 30°. 185.2 - 185.5m green chert zone, possibly due to silicification near low angle actinolite pyrrhotite-pyrite vein. 193.5 - 199.9m green chert zone - possibly associated with low angle vein.													
207.3	217.1	9.8	100	NON-MAGNETIC TUFFACEOUS SHALE: as before colour grey to grey-brown Some brecciated zone-fractures irregular containing quartz-chlorite and minor pyrrhotite M.S.≤100 B.C.A. 30°. 207.9m thin green chert band angle 50°. 209.0m chert fragments in shale. 209.5 - 216.0 light grey in colour, Some actinolite-pyrrhotite zone associated with thin carbonate.													
217.1	221.9	4.8	100	MAGNETIC TUFFACEOUS SHALES: as before. Some actinolite-pyrrhotite zones associated with chert bands. M.S. 4600 - 8000 B.C.A. 20°.													
221.9	228.0	6.1	100	INTERBEDDED SHALES AND MINOR CHERTS: well banded grey to grey brown shales - become dark grey towards base of zone with some cream-green chert to bands (5%). Small scale faulting (disruption of chert bands). Cherts more common near top of zone, chlorite, actinolite and pyrrhotite associated with fractures M.S.≤100 to 7200 - susceptible below 224.5m range 2600 - 7200 BCA 30°.													

042

DIAMOND DRILL RECORD

HOLE NUMBER : ML 53

LOGGED BY : R.R.S.

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
228.0	286.8	57.8	100	MAGNETIC TUFFACEOUS SHALES: as before dark grey with some cream-green-pink chert bands and rare patches of chert (possible silicification). Small scale faulting (slumping) as seen in chert bands. Graded bedding. Some finer grained bands - grey brown in colour. Black spotting below 253.0m often near fractures. Sulphides. pyrrhotite, and actinolite along fracture surfaces. M.S.≤100-11000 Some thin non-magnetic bands B.C.A. 30°. 245.0 - 247.0m fine grained grey-brown shales. 245.6 - 245.9m bands of chert round centres and spots of dark green actinolite below 257.0m rare bands contain angular fragments (brecciation) cemented by dark grey chlorite, dark green actinolite quartz and sulphides. 274.0 - 279.0m fracture zone with chlorite on fractures, and quartz-pyrrhotite carbonate veins up to 5cms thick, containing brecciated fragments of silicified shale. 279.0 - 281.0m pyrrhotite along fractures (sulphide 5%) associated with chlorite and fine grained tourmaline (?).														
286.8	432.5	45.7	100	NON-MAGNETIC TUFFACEOUS SHALE: as before dark grey shales with some minor chert bands. Chlorite, actinolite and pyrrhotite along fracture surfaces. Some black spotting in places, especially near fractures. M.S. ≤100 - 300, susceptibility probably due to presence of pyrrhotite B.C.A. 30°. 288.5m 5cm thick zone of cream-pink-green chert. 290.1 - 291.5m zone of quartz veining up to 3cms thick, with silicified shale fragments, rare sulphides and actinolite. 308.0 - 311.0m quartz and pyrrhotite on fractures. Sulphide ½% 311.2 - 311.5m chert zone - quartz, chert actinolite and pyrrhotite. - chert associated with fracture. 312.2 - 312.3m chert zone - as above, associated with fracture 313.8 - 314.0m pyrrhotite along fractures and as blebs in shales 320.0 B.C.A. 30°. 323.0 - 324.5m blebs of pyrrhotite - irregular shape up to 1cm in diameter. 329.6 - 330.0m chert zone - pink-green with dark green actinolite along fractures faint banding parallel to bedding. 333.5m patch of pyrrhotite - rare pyrite associated with 1-4cm chert band. 337.6 - 346.0m colour change to grey-brown with some chert patches (cream-green-pink) and associated light grey chlorite. Cherts generally thin - up to 3cms thick.														

043

DIAMOND DRILL RECORD

HOLE NUMBER : ML 53

LOGGED BY : R.R.S.

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
				350.0m BCA 30°.													
				363.3 - 363.5m colour light grey-brown.													
				364.3m actinolite-chert band with some pink fragments and pyrrhotite zone 5-7cms wide.													
				364.5 - 365.5m chert zone grey-green-cream-pink with minor pyrrhotite and actinolite.													
				366.3 - 367.3m actinolite-chert (near edges) zone cream-green -pink in colour. Some pyrrhotite rare pyrite.													
				367.9 - 368.1m grey green chert zone.													
				370.0m B.C.A. 30°.													
				372.3 - 372.9m chert zone associated with actinolite near fractures rare pyrrhotite.													
				372.9 - 374.0m colour grey-brown.													
				382.0 - 382.2m chert zone with actinolite and pyrrhotite.													
				382.5 - 382.8m pyrrhotite on fractures in shales.													
				383.5 - 386.5m " " " " "													
				384.2 - 385.1m quartz vein.													
				385.1 - 386.5m pyrrhotite along fractures and along some beds sulphides 10%.													
				388.5 - 389.3m irregular quartz veining.													
				389.8 - 392.0m irregular quartz veining with some pyrrhotite along fractures and as blebs in shales.													
				393.8 - 403.3m zone of light grey chlorite along irregular fractures. Some quartz veining and minor pyrrhotite Some bleaching of shales near fractures.													
				400.0m B.C.A. 30°.													
				415.4 - 415.6m quartz-actinolite-pyrrhotite vein-variable angle													
				420.8 - 423.0m light grey chlorite along fractures.													
				430.2 - 431.2m calcite veining.													
432.5	468.1	35.6	100	MOTTLED NON-MAGNETIC TUFFACEOUS SHALE: colour grey, grey-brown to brown. Pyrrhotite on fractures and as blebs along some bands within the shales. Some irregular quartz-chlorite-actinolite-pyrrhotite veins - generally low angle. Some spotting especially near fractures M.S. ≤100 B.C.A. 30°													
				460.8 - 462.1m light grey-green zone. Shales bleached to light grey in colour. some quartz-actinolite-chlorite-pyrrhotite veins.													

41044

044

DIAMOND DRILL RECORD

HOLE NUMBER : ML 53

LOGGED BY : R.B.S.

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.
468.1	493.6	25.5	100	MAGNETIC TUFFACEOUS SHALES: grey to light grey with some minor coarser grained beds - (sandstones). Some black spotting of core -near some fractures. Fracture surfaces coated with actinolite, chlorite, pyrrhotite and carbonate M.S. <100 - 7300 B.C.A. 20° - 30° some variation due to slumping. 487.0 - 491.0m some rhodochrosite along fractures - variable angles. 487.1 - 487.2m (?)calc-silicate band 3cms thick angle 20°.	
493.6	504.3	10.7	100	NON-MAGNETIC SHALES AND SANDSTONES: as before with some coarser grained sediments (sandstones) - grey to grey brown in colour, Carbonate along some fractures, and some bleaching near fractures MS<100 - 1800 B.C.A. 30°.	
504.3	554.0	49.7	100	MAGNETIC TUFFACEOUS SHALES AND SANDSTONES: As before/Some bleaching near fracture, and some fractures contain rhodochrosite MS<100 - 9200 B.C.A. 30°. 509.3 - 509.7m light grey quartz-chlorite zone. 516.6 - 524.2m rhodochrosite along fractures - low to high angle. 551.0 - 552.3m some quartz veining. 552.3 - 554.0 core broken and fractured.	
				END OF HOLE at 554.0m.	

FROM	TO	% Sn. TOTAL	% Sn. ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3

141045

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

HOLE No.: M.L. 53

045

MAGNETIC SUSCEPTIBILITY x10⁻⁴ c.g.s. units

Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.
3.0	≤100	45.0	"	87.0	≤100	129.0	≤100	181.0	≤100	223.0	100	265.0	7300	307.0	≤100	349.0	≤100	391.0	≤100	433.0	400	475.0	1400	517.0	2100
-	"	-	"	-	500	130.0	"	-	"	-	←224.5→ "	-	3200	-	"	350.0	"	-	200	-	400	-	≤100	-	1100
-	"	-	"	-	≤100	-	"	-	1100	-	2600	-	8100	-	200	-	"	-	≤100	-	≤100	-	4400	-	3900
-	"	-	"	90.0	"	-	"	-	700	-	6000	-	6400	310.0	≤100	-	300	-	"	-	"	-	3100	520.0	4100
-	"	-	"	-	"	-	"	-	1200	-	7200	-	100	-	"	-	≤100	-	"	-	"	-	500	-	1300
-	"	50.0	"	-	"	-	"	-	2600	-	5900	270.0	5900	-	300	-	"	-	"	-	"	480.0	1700	-	2600
-	"	-	"	-	"	-	"	-	3700	-	6100	-	9200	-	≤100	-	"	-	"	-	"	-	7300	-	4600
10.0	"	-	"	-	"	-	"	-	5000	230.0	600	-	10000	-	200	-	"	-	"	480.0	"	-	6300	-	1700
-	"	-	"	-	"	-	"	-	5000	-	3900	-	8600	-	≤100	-	"	-	"	-	"	-	6600	-	3000
-	"	-	"	-	"	-	"	190.0	5200	-	4400	-	5600	-	"	-	"	400.0	200	-	"	-	6500	-	3500
-	"	-	"	-	"	-	"	-	3800	-	3700	-	8400	-	"	-	"	-	≤100	-	"	-	3800	-	1500
-	"	-	"	-	"	140.0	"	-	5500	-	3000	-	←275.9→ ≤100	-	"	360.0	"	-	"	-	"	-	3100	-	2900
-	"	-	"	-	"	-	"	-	5900	-	5500	-	"	-	"	-	"	-	"	-	"	-	3200	-	3300
-	"	-	←57.1→ 400	100.0	"	-	"	-	3900	-	2600	-	"	320.0	"	-	"	-	"	-	"	-	2800	530.0	2900
-	"	-	900	-	"	-	"	-	5500	-	4300	-	600	-	"	-	"	-	"	-	"	-	3400	-	3500
-	"	60.0	1000	-	"	-	"	-	5200	-	3600	280.0	1600	-	"	-	"	-	"	-	"	490.0	2100	-	3300
-	"	-	700	-	"	-	"	-	3500	-	2200	-	≤100	-	"	-	"	-	"	-	"	-	≤ 100	-	4200
20.0	"	-	500	-	"	-	"	-	4600	240.0	1500	-	"	-	300	-	"	-	"	450.0	"	-	"	-	6300
-	"	-	500	-	"	-	"	-	4400	-	1900	-	5200	-	≤100	-	"	-	"	-	"	-	1700	-	5000
-	"	-	200	-	"	-	"	200.0	≤100	-	7000	-	200	-	"	-	200	410.0	"	-	"	-	←493.6 100	-	1600
-	"	-	300	-	"	-	"	-	300	-	400	-	200	-	"	-	≤100	-	"	-	"	-	"	-	3600
-	"	-	600	-	"	150.0	"	-	3300	-	10000	-	4200	-	"	370.0	"	-	"	-	"	-	"	-	4300
-	"	-	300	-	"	-	300	-	200	-	6300	-	≤100	-	200	-	200	-	"	-	"	-	"	-	2700
-	"	-	400	110.0	"	-	≤100	-	3300	-	5800	-	"	330.0	≤100	-	200	-	"	-	"	-	"	540.0	9200
-	"	-	←68.3→ ≤100	-	"	-	200	-	4000	-	3600	-	"	-	"	-	400	-	"	-	"	-	"	-	7000
-	"	70.0	"	-	"	-	≤100	-	≤100	-	3500	290.0	"	-	"	-	500	-	"	-	"	500.0	"	-	3500
-	"	-	"	-	"	-	"	-	1600	-	8900	-	1400	-	"	-	500	-	"	-	"	-	"	-	5500
30.0	"	-	"	-	"	-	"	-	←207.3→ ≤100	250.0	≤100	-	≤100	-	"	-	≤100	-	"	460.0	"	-	1800	-	5900
-	"	-	200	-	"	-	"	-	"	-	5100	-	"	-	300	-	"	-	"	-	"	-	≤ 100	-	3300
-	"	-	100	-	"	-	200	210.0	"	-	≤100	-	"	-	200	-	"	420.0	"	-	"	-	"	-	8000
-	"	-	200	-	"	-	≤100	-	"	-	3400	-	"	-	200	-	"	-	"	-	"	-	←504.3 500	-	6700
-	"	-	≤ 100	-	"	160.0	"	-	"	-	3100	-	"	-	≤100	380.0	"	-	"	-	"	-	1800	-	5100
-	"	-	"	-	"	-	"	-	"	-	400	-	"	-	"	-	"	-	"	-	"	-	3100	-	3500
-	"	-	"	120.0	"	-	"	-	"	-	300	-	"	340.0	"	-	600	-	"	-	"	-	1100	550.0	4800
-	"	-	"	-	1000	-	"	-	"	-	6500	-	200	-	"	-	≤100	-	"	-	"	-	≤ 100	-	600
-	"	80.0	"	-	≤100	-	"	-	"	-	3400	300.0	200	-	"	-	200	-	"	-	←468.4 "	510.0	900	-	≤ 100
-	"	-	"	-	"	-	"	-	←217.1→ "	-	5000	-	≤ 100	-	"	-	≤100	-	"	-	1200	-	200	-	1500
40.0	"	-	"	-	"	-	"	-	6000	260.0	1600	-	"	-	"	-	"	-	"	470.0	500	-	1100	554.0	1600
-	"	-	"	-	"	-	1500	-	7700	-	3400	-	"	-	"	-	"	-	"	-	≤100	-	1600	End of Hole	
-	"	-	"	-	"	-	600	220.0	8000	-	11000	-	"	-	"	-	"	430.0	"	-	"	-	2800		
-	"	-	"	-	"	-	≤ 100	-	4600	-	3900	-	"	-	"	-	"	-	"	-	1700	-	2300		
-	"	-	"	-	"	180.0	1100	-	←221.8→ ≤100	-	9900	-	"	-	"	390.0	"	-	"	-	≤100	-	4100		

41046

RENISON LIMITED - DRILL CORE RECORD

046

HOLE NUMBER	ML 52
PURPOSE	To test Main Lode east of ML 33 Mt. Lindsay Mine
LOCATION	Mt. Lindsay
COLLAR R.L.	2490.8m
CO-ORDINATES	31991.9m 10956.9mE
LENGTH	159.5m
HOLE SIZE	Hq 0 - BQ - 159.5 NQ
DATE DRILLED	*12th February - 21st February 1979
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	
LOGGED BY	R.R. Schellekens.
COMMENTS	Loss of core due to soft weathered clayey nature of weathered main lode.

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog. Total
0	46° 45' 04"	-48° 10' 56°	0 - 19.0	19.0	14.2	2476.6	12.7	12.7
38.0	049°	- 46°	- 49.5	30.5	21.9	2454.7	21.2	33.9
61.0	044°	- 46°	- 86.0	36.5	26.3	2428.4	25.4	59.3
111.0	046°	-48° 30'	-121.5	35.5	26.6	2401.8	23.5	82.8
132.0	040°30'	- 49°	-145.5	24.0	18.1	2383.7	15.7	98.5
159.0	048	- 49° 30'	- 159.0	13.5	10.3	2373.4	8.8	107.3

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			
Unweathered Main lode	102.9	107.9	5.0	0.03	0.03	0.07	<0.10		0.007	0.011	0.015	<0.01	3			

241047

HOLE No. : ML 52

SCALE :

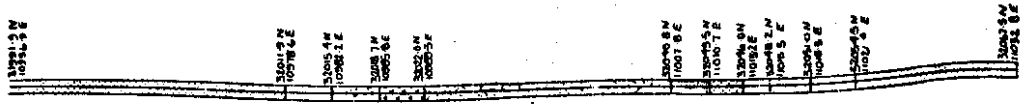
RENISON LIMITED

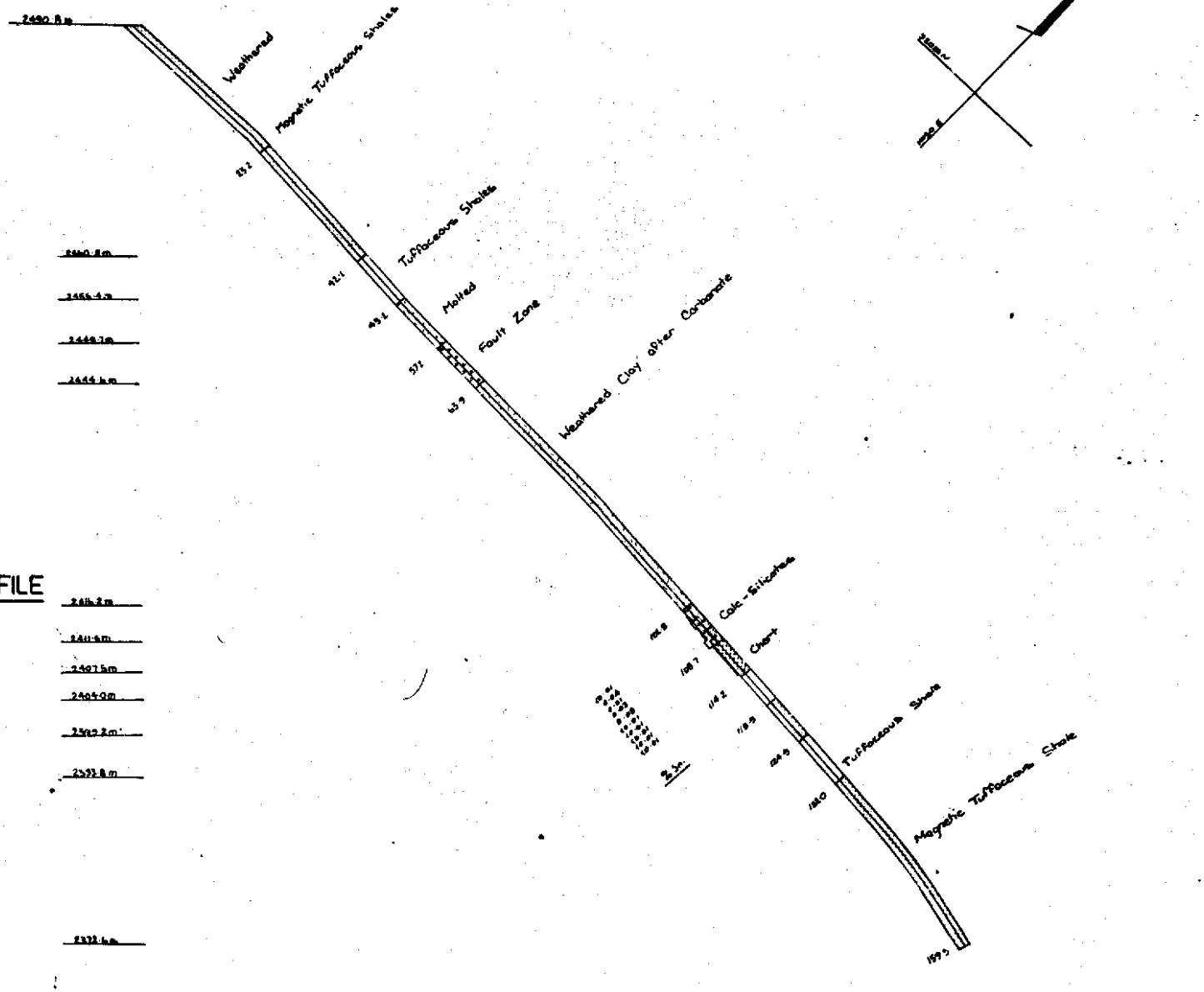
DIAMOND DRILL HOLE PLOT

5 cm

047

PLAN





DIP PROFILE

048

DIAMOND DRILL RECORD

HOLE NUMBER : ML 52

LOGGED BY : R.R.S.

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.
0.0	9.0	5.1	57	WEATHERED MAGNETIC TUFFACEOUS SHALES: Soft grey to brown crumbly, faint banding, mainly broken core. Yellow staining along fractures. Some less weathered bands. MS 300 - 7600 x 10^{-6} c.g.s. units B.C.A. - ?	
9.0	12.0	2.7	90	SLIGHTLY WEATHERED MAGNETIC TUFFACEOUS SHALES: Grey, soft to hard, with weathering mostly confined to fractures - which contain limonite and a soft yellow mineral M.S. 1200 - 3000 B.C.A. 55°.	
12.0	15.5	3.5	100	WEATHERED MAGNETIC TUFFACEOUS SHALES: as before - yellow staining on fractures. M.S. 900 - 3100.	
15.5	23.2	7.2	94	SLIGHTLY WEATHERED MAGNETIC TUFFACEOUS SHALES: as before weathering confined to limonite staining of fractures. M.S. 1200 - 3800 B.C.A 20° - 40°.	
23.2	42.1	18.9	100	UNWEATHERED MAGNETIC TUFFACEOUS SHALES: grey to dark hard shales with some black spotted bands - especially near fractures, and some finer grained light grey bands. Some rounded light grey finer shale fragments in some of the coarser grained bands (fine sandstones). Rare light grey-green, chert bands - often associated with dark green actinolite. M.S. <100 - 8000 B.C.A. 50°.	
42.1	49.2	7.1	100	NON-MAGNETIC TUFFACEOUS SHALES: grey to dark grey with some lighter grey finer grained shale bands. Some bleaching - especially near fractures containing pyrite and actinolite. M.S. <100 B.C.A. 50°	
49.2	57.4	8.2	100	MOTTLED ZONE: dark grey-grey brown shale with interbedded light grey-green-cream chert bands - containing some white rounded chert fragments. Some minor disruption of bands - microfaulting. - especially noticeable in chert bands. M.S.<100 B.C.A. 50°.	
57.4	63.9	4.4	68	FAULT ZONE: mottled zone core broken and cemented by quartz. Some ironstaining - possible weathered sulphides M.S. 100.	
63.9	102.9	0.9	2.3	WEATHERED CLAYS very poor core recovery, yellow brown clays and sandstones - possible caverties. This zone may represent weathered Main Lode, as seen on track to Parsons Hood heliport. M.S. ? B.C.A. ? 79.0 - 79.5 core weathered brown - cream clays - some manganese along fractures.	MAIN LODE

% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3

141049

049

DIAMOND DRILL RECORD

HOLE NUMBER : ML 52

LOGGED BY : R.R.S.

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
102.9	108.7	5.8	100	CALC-SILICATES: grey, cream to light green bands of carbonate and		102.9	103.9										
				diopside, brown bands of fine grained garnets. Some thin pink		103.9	104.9	< 0.01	0.01	< 0.05	< 0.10		0.004	0.010	0.04	2	<0.01
				and green cherts. Minor sulphides and rare magnetite associated		104.9	105.9	0.04	0.03	0.09	< 0.10		0.016	0.013	0.020	4	<0.01
				with dark green actinolite bands and along fractures. M.S. 200-		105.9	106.9	0.01	0.03	0.05	< 0.10		0.004	0.010	0.005	2	0.01
				500 B.C.A. 50°.		106.9	107.9	0.03	0.05	0.09	< 0.10		0.007	0.012	0.005	3	<0.01
				105.5 - 105.6 dark green band - actinolite; pyrrhotite and		107.9	108.9	0.08	0.06	0.09	< 0.10		0.004	0.010	0.004	2	<0.01
				magnetite disseminated and along fractures.		108.9	109.9	< 0.01	0.01	< 0.05	< 0.10		0.004	0.003	0.003	1	<0.01
				107.5 - 108.5 dark green band - actinolite with carbonate spots		109.9	110.9	< 0.01	0.01	< 0.05	< 0.10		0.003	0.005	0.003	1	<0.01
				and disseminated pyrrhotite and pyrite.		110.9	111.9	< 0.01	0.01	< 0.05	< 0.10		0.003	0.006	0.004	1	<0.01
108.7	114.2	5.5	100	CHERTS: grey, cream-green cherts, hard well banded, fine to													
				medium grained. Graded bedding indicates younging downwards.		111.9	112.9	< 0.01	< 0.01	< 0.05	< 0.10		0.004	0.008	0.004	1	<0.01
				Chlorite on fractures. Pyrrhotite disseminated in bands and		112.9	113.9	< 0.01	0.01	< 0.05	< 0.10		0.004	0.006	0.004	1	<0.01
				replacing rounded clots - possibly offer carbonate. Sulphides													
				mostly associated with chlorite - actinolite. Some thin bands													
				of calc-silicate, chlorite and pyrrhotite, and brown grey shale bands													
				M.S. 200 - 1300 B.C.A. 50°.													
				110.5 - 110.7m Shale band.													
				111.4 - 112.0m Shale band.													
				112.4 - 112.9m calc-silicate band with garnets, rare carbonate													
				chlorite and pyrrhotite.													
				113.4 - 113.5m banded chlorite, pyrrhotite and garnets.													
114.2	118.9	4.7	100	NON-MAGNETIC TUFFACEOUS SHALES: grey to grey brown, as before													
				Some spotted bands especially near fractures. Minor bleached zones													
				along fractures. Cut by several thin granitic dykes. M.S. <100													
				B.C.A. 50°.													
				114.4m 5cm wide quartz-biotite vein angle 50°.													
				114.4 - 114.8m several thin quartz veins - mostly low angle.													
				114.8 - 115.0m quartz-biotite vein thin low angle up to 1cm thick.													
118.9	124.9	6.0	100	MAGNETIC TUFFACEOUS SHALES: grey as before. Some zones of													
				spotting and bleaching M.S. <100 - 3800 B.C.A. 50°.													
				123.0 - 123.3m quartz altered feldspar (scricite) and feldspars													
				in vein.													
124.9	132.0	5.1	100	NON-MAGNETIC TUFFACEOUS SHALES: grey as before. M.S. <100													
				BCA 50°.													
132.0	159.5	27.5	100	MAGNETIC TUFFACEOUS SHALES: grey as before M.S. 400 - 10000													
				BCA 50°.													
				144.0 - 144.1m cream-dark green chert band - younging down.													
				151.0m rhodochrosite and carbonate on fracture.	END OF HOLE AT 159.5m													

41050

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

HOLE No.; M.L. 52.

050

Magnetic Susceptibility x 10^{-6} c.g.s. units.

Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.
3.0	3100	45.0	≤100	87.0	No Core	129.0	100
"	1300	-	"	-	"	130.0	"
"	2200	-	"	-	"	-	"
							← 132.0 →
"	300	-	"	90.0	"	-	400
"	7600	-	"	-	"	-	2100
"	1400	50.0	"	-	"	-	4100
"	1800	-	"	-	"	-	3100
10.0	1200	-	"	-	"	-	3900
"	2900	-	"	-	"	-	2700
"	3000	-	"	-	"	-	7100
"	900	-	"	-	"	-	8300
"	3100	-	"	-	"	140.0	4300
"	1500	-	"	-	"	-	3400
"	1400	-	"	100.0	"	-	8200
"	2200	-	"	-	"	-	5100
"	1200	60.0	"	-	"	-	5800
"	2900	-	"	-	200	-	6500
20.0	2900	-	"	-	200	-	4900
"	3700	-	"	-	200	-	4900
"	3800	-	"	-	700	-	7000
"	2900	-	No Core	-	200	-	4900
"	7600	-	"	-	500	150.0	1200
"	6200	-	"	-	400	-	3000
"	6800	-	"	110.0	500	-	6400
"	4300	-	"	-	200	-	10000
"	6800	70.0	"	-	1000	-	3400
"	3300	-	"	-	1300	-	5700
					← 114.0 →		
30.0	4200	-	"	-	≤100	-	5500
"	3400	-	≤100	-	"	-	6000
"	3000	-	No Core	-	"	-	4300
"	3400	-	"	-	"	-	4800
"	200	-	"	-	"	159.5	1400
					← 118.9 →		
"	7400	-	"	-	1500	End of Hole	
"	4300	-	"	120.0	3800		
	← 36.8 →						
"	≤100	-	≤100	-	3000		
"	8300	80.0	No Core	-	1200		
"	5500	-	"	-	100		
40.0	≤100	-	"	-	2500		
"	1200	-	"	← 124.9 →	≤100		
"	500	-	"	-	"		
"	← 42.1 →						
	100	-	"	-	"		
"	"	"	"	"	"		

A41051

RENISON LIMITED - DRILL CORE RECORD

051

HOLE NUMBER	M.L. 51
PURPOSE	To test mineralisation between holes ML 38 and ML 41
LOCATION	Mt. Lindsay
COLLAR R.L.	2379.6m
CO-ORDINATES	31450.6mN 11408.6mE
LENGTH	493.0m
HOLE SIZE	Hq 0 - 21.0 Bq 80.0 - 493.0m Nq 21-80.0
DATE DRILLED	16.1.79 - 8-2-79
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	
LOGGED BY	R.R. Schellekens.

SURVEY			From – To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog. Total
0.0m	49°27'09"	- 61°54'	0 - 15.5	15.5	13.6	2366.0	7.3	7.3
31.0m	* 63°	- 62°	- 43.0	27.5	24.3	2341.7	12.9	20.3
55.0m	49°	- 62°	- 67.5	24.5	21.6	2320.1	11.5	31.7
80.0m	46° 30'	- 62°	- 93.5	26.0	23.0	2297.1	12.2	43.9
107.0m	46° 30'	- 62°	- 120.0	26.0	23.4	2273.7	12.4	56.3
133.0m	47°	- 62° 15'	- 145.0	25.0	22.1	2251.6	11.6	67.9
157.0m	48°	- 63°	- 169.0	24.0	21.4	2230.2	10.9	78.8
181.0m	51° 30'	- 63°	- 190	21.0	18.7	2211.5	9.5	88.3
199.0m	49°	- 63° 30'	- 214	24.0	21.5	2190.0	10.7	99.0
229.0m	51° 30'	- 63° 15'	- 239.5	25.5	22.8	2167.2	11.5	110.5
250.0m	* 50°	- 63°	- 262.0	22.5	20.0	2147.2	9.1	119.6
274.0m	* 49°	- 63° 15'	- 280.0	18.0	16.1	2131.1	8.1	127.7
286.0m	48°	- 63° 30'	- 299.5	19.5	17.5	2113.6	8.7	136.4
313.0m	* 43° 30'	- 63° 45'	- 329.5	30.0	26.9	2086.7	13.3	149.7
346.0m	* 53°	- 63o 30'	- 360.0	30.5	27.3	2059.1	13.6	163.3
374.0m	* 56°	- 63° 30'	- 393.0	33.0	29.5	2029.6	14.7	178.0
412.0	55°	- 63° 30'	- 433.0	40.0	35.8	1993.8	17.8	195.8
454.0	46°	- 63° 30'	- 466.0	33.0	29.5	1964.3	14.7	210.5
478.0	58°	- 63° 30'	- 485.0	19.0	17.0	1947.3	8.5	219.0
492.0	42°	- 64°	- 493.0	8.0	7.2	1940.1	3.5	222.5

COMMENTS

No. 2 Carbonate much thinner than expected from surrounding drill holes.

* Suspected magnetic interference.

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				
No. 2 Carb.	421.0	432.0	11.0	0.13	0 05	0.03	0.05		0.003	0.009	0.011	0.02	3				
Including	425.0	432.0	7.0	0.17	0.05	0.03	0.10		0.003	0.008	0.015	0.02	3				

141052

NWPB 8 1846

HOLE No.: ML 51

SCALE: metres

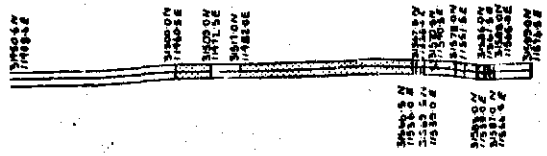
RENISON LIMITED

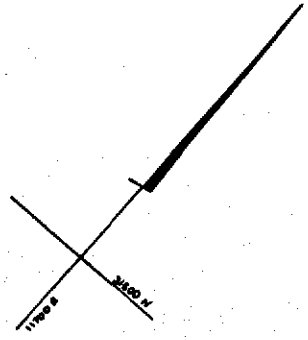
DIAMOND DRILL HOLE PLOT

5 cm

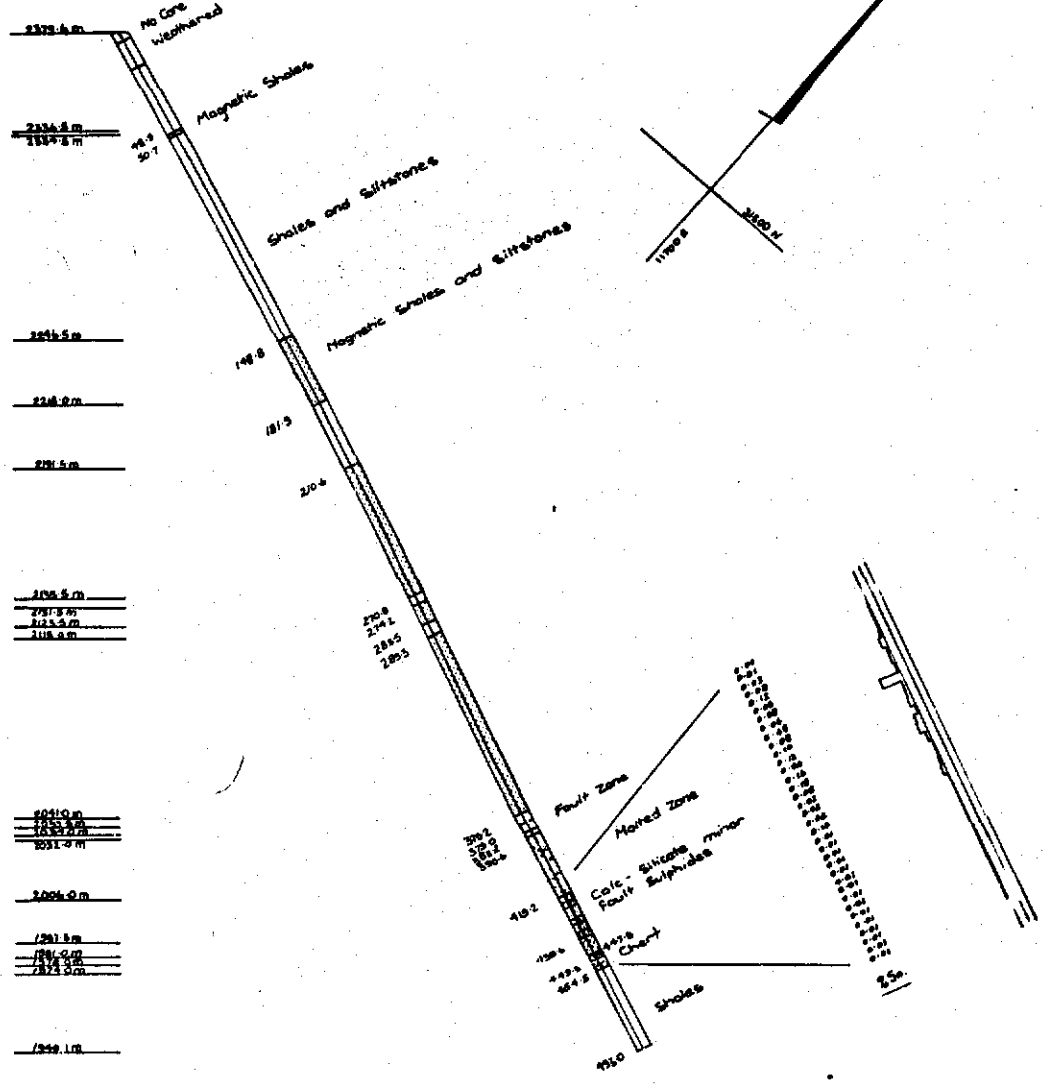
052

PLAN





DIP PROFILE



1411053

053

DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 51

LOGGED BY : R.R.S.

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
0.0	4.0	-	0	No core.													
4.0	13.0	8.7		WEATHERED NON-MAGNETIC SILTSTONES AND SHALES: brown, grey to khaki fine-medium grained soft, generally broken core. Some coarser sandstone bands. Tuffaceous components in sediments · B.C.A 30°. Mag. Susc. ≤100x 10^{-6} c.g.s. units.													
13.0	17.0	4.0	100	SLIGHTLY WEATHERED SILTSTONES AND SHALES: grey to dark grey hard Weathering confined to limonite staining on fractures. Non magnetic MS ≤ 100 16.0 - 16.5m quartz vein with minor chlorite and pyrrhotite. 16.5 - 16.8m quartz-chlorite vein with pyrite and pyrrhotite. - up to 1cm wide.													
17.0	48.9	31.9	100	NON-MAGNETIC SILTSTONES AND SHALES: grey to dark grey unweathered hard. Fractures - low and high angle (30 - 60°) with chlorite and actinolite - rare sulphides along surfaces. Rare thin bands of chlorite and pyrrhotite, generally less than 1cm wide. Core broken near top of zone - to 25.5m M.S. ≤100 B.C.A. 30°-40° 20.0 - 20.5m quartz-chlorite-sulphide vein. 22.0 - 25.5m several low angle fractures containing chlorite amd pyrrhotite (core very broken) minor bleaching of sediments (light grey) near fractures. 42.5 - 43.5m Quartz - chlorite veining - pyrite and pyrrhotite low angle. 46.0 - 48.9m core broken - several low angle fractures - with bleaching near fractures.												
48.9	50.7	1.8	100	MAGNETIC SILTSTONES AND SHALES: thin magnetic band. Core broken due to presence of low angle fractures - slight bleaching of core. MS 1400 - 2100 BCA- ?													
50.7	148.8	98.1	100	NON-MAGNETIC SILTSTONES AND SHALES: grey to dark grey as before wich some thin magnetic bands in zone 97.0 - 104.0m. Some coarser bands appearing-fine sand size, and some thin white - green chert bands M.S. ≤100 magnetic bands up to 6400 B.C.A. 30°. 50.7 - 55.0m Core broken - low angle fractures - slight bleaching 58.6 - 61.9m " " 58.8 - 60.0m Light grey bleaching of core, chlorite along fractures. 64.0 - 64.5m Light grey-green chloritic zone. 66.7 - 66.9m green chert zone with chlorite-actinolite-pyrrhotite on fractures.												

141054

DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 51

LOGGED BY : R.R.S.

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
				83.2 - 83.3m grey band with some rounded light grey finer grained fragments.													
				83.6 - 83.7m quartz-chlorite-pyrite-pyrrhotite veins, parallel to banding. Some bleaching.													
				89.0 - 92.5m quartz-chlorite minor pyrrhotite on fractures.													
				92.5 - 93.3m grey-green-white chert band - dark green actinolite (?) spots - cream ground mass; pyrrhotite on fractures.													
				94.0 - 97.0m some thin chert bands in core.													
				115.4-115.6m dark green actinolite - pyrrhotite zone.													
				140.0-114.5m thin white chert bands with chlorite and pyrrhotite.													
144.8	181.9	37.1	100	MAGNETIC SHALES AND SILTSTONES: grey to dark grey, as before fine to medium grained sandstones siltstones and shales - some bands contain rounded elongated fragments of coarser or finer material (slumping ?). Fractures high to low angle often coated with chlorite, rare carbonate and rhodochrosite, and/or sulphides (pyrrhotite and pyrite). Some bleached zones (light grey) M.S. 400 - 10,000 average 4900 B.C.A. 30°													
				163.3 - 166.6m non-magnetic band.													
				165.1 - 165.8m light green bleached zone with quartz-actinolite-chlorite veins.													
				169.2 - 171.8m grey fine sandstone with rounded elongate fragments of dark grey fine grained shale - mostly orientated parallel to banding. Fragments to 6cms long.													
				171.3 - 178.0m alternating grey and dark grey bands - some with rounded fragments.													
				177.0 - 177.2m band with rounded fragments.													
				173.0 - 179.0m rare thin carbonate - rhodocrosite veins.													
181.9	210.6	28.7	100	NON MAGNETIC SHALES, SILTSTONES AND MINOR FINE SANDSTONES; as before. Some black spotted sections below 200m. M.S. ≤100 B.C.A. 30°.													
				186.0 - 194.0m minor chlorite - quartz veins. Some bleaching.													
				201.5 - 202.2m slight bleaching associated with quartz and light green chlorite in veins - rare sulphides.													
210.6	270.8	60.2	100	MAGNETIC SHALES SILTSTONES AND MINOR FINE SANDSTONES: as before with some thin non magnetic bands - generally less than 2m wide. Some spotted bands, rare thin carbonate - rhodochrosite veins. MS ≤100 - 10,000 B.C.A. 30°													

055

DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 51

LOGGED BY : R.R.S.

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
				213.5 - 217.2m rare thin carbonate - rhodochrosite veins.													
				235.0 - 237.5m some cream-green chert bands and minor bleaching (light grey) of core.													
				240.2m low angle fracture - carbonate filled.													
				245.2 - 245.3m low angle fracture - carbonate filled angle 25°.													
				248.0 high angle quartz-chlorite vein.													
				252.2 - 252.5m zone of rounded fragments (not orientated) in medium grained siltstone.													
270.8	274.2	3.4	100	NON-MAGNETIC SHALES AND SILTSTONES: as before - some black spotted bands. Core slightly bleached (light grey-grey) due to presence of light grey fibrous chlorite in veins. M.S. ≤100 B.C.A. 30°.													
				271.1 - 271.2m disseminated pyrrhotite and chalcopyrite in grey green quartz-chlorite band.													
274.2	283.5	9.3	100	MAGNETIC SHALES AND SILTSTONES: as before. M.S. 3700 - 7400 B.C.A. 30°.													
283.5	289.3	5.8	100	NON-MAGNETIC SHALES AND SILTSTONES: as before M.S. ≤100 B.C.A. 30°.													
				284.9 - 286.0m slight bleaching due to presence of chlorite (light grey-fibrous) in veinlets.													
				288.7 - 289.0m some light grey-cream chert bands with chlorite and sulphides.													
289.3	375.2	86.2	100	MAGNETIC SHALES AND SILTSTONES: as before rare graded bedding - young downwards - some bands contain rounded elongated fragments of finer grained sediments in coarser bands. Some patches of bleaching associated with chlorite (light grey) or actinolite (dark green) in fractures or veins. M.S. ≤100 to 11,000 B.C.A. 30°.													
				306.6 - 306.7m elongated rounded fine grained fragments in coarser grained band.													
				315.4 - 315.5m elongated rounded fine grained fragments in coarser grained band.													
				323.0 - 324.8m some bleaching associated with low angle quartz - actinolite filled fracture.													
				327.0 - 329.8m Some thin quartz-actinolite veins - no sulphides													
				339.9 - 341.5m slight bleaching of core near quartz veins and light grey chlorite veins.													
				346.0 - 349.7m slight bleaching associated with actinolite and quartz actinolite veins. Rare sulphides.													

056

DIAMOND DRILL RECORD

HOLE NUMBER : R.L. 51

LOGGED BY : R.R.S.

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
				350.4 - 351.6m rare quartz and quartz-chlorite veins.													
				374.0 - 375.2m colour light grey - possible bleaching associated with fault zone.													
375.2	379.0	3.8	100	NON-MAGNETIC SHALES AND SILTSTONES: as before. Light grey in colour, core more fractured M.S. ≤100 B.C.A. 30°.													
379.0	383.2	4.2	100	FAULT ZONE? Core non magnetic broken especially 381.2 - 382.5m, fractures irregular often filled with white carbonate. (calcite) No sulphides M.S. ≤100 B.C.A. not seen. 382.0 - 382.5m brown coloured rock in low angle contact with shales and siltstones. Fractures filled with carbonate.													
383.2	390.6	6.6	100	NON-MAGNETIC SHALES AND SILTSTONES: grey to light grey. Core broken in places with carbonate in fractures. Slight bleaching in places M.S. ≤100 B.C.A. 30°.													
390.6	419.2	28.6	100	MOTTLED ZONE: grey to grey brown non-magnetic shales and interbedded cream-grey cherts and cherty sandstones. Some larger rounded cream chert fragments in chert bands - as at 396.0m. Small scale faulting - slight movement along some chert bands - possible slumping. Core slightly broken - carbonate along some fractures. M.S. ≤100 B.C.A. 30°. 397.2 - 397.6m bleached core (light brown) near angle carbonate vein. No sulphides. 402.0 - 404.0m Fault zone (?) core broken, fragments bleached slightly, rotated, and cemented by carbonate. B.C.A. 30° M.S. ≤100 below 303.0m cherty bands more common. below 416.0m chert bands disrupted. below 418.8m core broken and cemented by carbonate.		417.0	418.0	0.01	0.01	0.05	0.10		0.001	0.005	0.003	2	0.01
						418.0	419.0	0.01	0.01	0.05	0.10		0.002	0.007	0.004	2	0.01
						419.0	420.0	0.03	0.03	0.06	0.10		0.003	0.007	0.005	4	0.01
419.2	421.8	2.6	100	DISSEMINATED PYRRHOTITE. banded disseminated sulphides (pyrrhotite - rare pyrite) in dark fine grained ground-mass. Core slightly broken. Carbonate cement along fractures-especially 419.2 - 419.4m M.S. ≤100 to 900. Banding B.C.A. 45°. 420.8 - 421.2 brecciated core cemented by carbonate - rounded fragments - minor sulphides.	No. 2 Carb.	420.0	421.0	0.08	0.02	0.13	0.10		0.003	0.007	0.007	15	0.03
						421.0	422.0	0.12	0.05	0.06	"		0.003	0.011	0.005	4	0.01

14105-1

DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 51

LOGGED BY : R.R.S.

SWPS

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
421.8	426.4	5.6	100	BRECCIATED SHALES AND CALC-SILICATES: grey brown cemented by		422.0	423.0	0.06	0.05	0.08	0.10		0.003	0.010	0.005	4	0.01
				carbonate veins with 20% pyrrhotite in thin lenses. M.S.≤100 -		423.0	424.0	0.08	0.06	0.06	0.10		0.003	0.008	0.005	3	0.01
				200.		424.0	425.0	0.06	0.05	0.05	0.10		0.004	0.006	0.005	4	0.01
				425.3m 2.0cm band of massive pyrrhotite and pyrite.		425.0	426.0	0.48	0.02	0.08	0.10		0.005	0.005	0.026	3	0.01
						426.0	427.0	0.08	0.02	0.05	0.10		0.003	0.007	0.005	3	0.01
426.4	427.5	1.1	100	CALC-SILICATES: poorly banded grey to dark grey some shale bands		427.0	428.0	0.10	0.08	0.08	0.10		0.004	0.014	0.005	3	0.14
				Carbonate in ground mass - and some associated vesuvianite,													
				especially near carbonate blebs. Minor sulphides only M.S. ≤100.													
427.5	429.5	2.0	100	CALC-SILICATES WITH DISSEMINATED SULPHIDES: Light grey-grey green		428.0	429.0	0.12	0.09	0.05	0.10		0.003	0.009	0.007	3	0.01
				fine grained banded actinolite, carbonate and pyrrhotite (20%).		429.0	430.0	0.04	0.03	0.05	0.65		0.002	0.006	0.043	3	0.01
				Carbonate also as veinlets and blebs - some associated vesuvianite.													
				M.S. 400 - 500 B.C.A. 40°.													
				427.6 - 428.4m specks of blue fluorescent scheelite.													
429.5	431.5	2.0	100	CALC-SILICATES-MINOR SULPHIDES: as before with less pyrrhotite		430.0	431.0	0.16	0.05	0.05	0.10		0.003	0.007	0.006	3	0.01
				(10%) carbonate along thin fractures. M.S. ≤100 - 200.		431.0	432.0	0.18	0.06	0.05	0.10		0.004	0.011	0.005	3	0.01
431.5	431.8	0.3	100	BRECCIATED ZONE - FAULT (?): brecciated calc-silicates with													
				carbonate cement along fractures. Sulphides 5% pyrite.													
431.8	439.6	7.8	100	BANDED CALC-SILICATES AND CHERTS: dark grey to grey bands of		432.0	433.0	0.08	0.05	0.05	0.10		0.004	0.019	0.005	3	0.01
				actinolite and carbonate with interbedded grey-purple-green-		433.0	434.0	0.02	0.03	0.05	0.10		0.003	0.008	0.004	3	0.01
				cream cherts. Sulphides-pyrrhotite 10%. disseminated and along		434.0	435.0	0.02	0.02	0.05	0.10		0.003	0.007	0.004	3	0.01
				fractures with chlorite M.S. ≤100 - 4500. B.C.A. 40 - 50°.		435.0	436.0	0.04	0.04	0.05	0.10		0.002	0.015	0.003	2	0.01
				437.7 - 437.9m carbonate vein - sulphides in sediments near vein.		436.0	437.0	0.10	0.07	0.06	0.10		0.002	0.013	0.003	3	0.01
				439.0 - 439.4m carbonate veinlets.		437.0	438.0	0.01	0.03	0.05	0.10		0.006	0.015	0.004	4	0.01
						438.0	439.0	0.01	0.03	0.05	0.10		0.004	0.012	0.002	2	0.01
439.6	447.5	7.9	100	CHERTS: hard grey-purple-cream fine grained fractured cherts		439.0	440.0	0.01	0.01	0.05	0.10		0.005	0.013	0.003	2	0.01
				chlorite and carbonate along fractures. M.S. ≤100 - 800 B.C.A. 50°		440.0	441.0	0.01	0.01	0.05	0.10		0.003	0.006	0.001	1	0.01
						441.0	442.0	0.01	0.02	0.05	0.10		0.003	0.006	0.003	1	0.01
447.5	449.3	1.8	100	CALC-SILICATES: pink-light grey-light green fine grained diopside,		442.0	443.0	0.01	0.02	0.05	0.10		0.003	0.005	0.004	1	0.01
				pink garnets and carbonate in groundmass and in veins M.S. 200		443.0	444.0	0.01	0.02	0.05	0.10		0.010	0.007	0.004	1	0.01
				B.C.A. 50° - faint banding.		444.0	445.0	0.01	0.02	0.05	0.10		0.004	0.008	0.005	1	0.01
						445.0	446.0	0.01	0.01	0.05	0.10		0.002	0.009	0.004	1	0.01
449.3	454.5	5.2	100	CHERTS AND SOME SHALES: grey hard fine grained chert and slightly		446.0	447.0	0.01	0.01	0.05	0.10		0.002	0.008	0.003	2	0.01
				magnetic. Shales. Minor thin calc-silicate bands. Chlorite -		447.0	448.0	0.01	0.01	0.05	0.10		0.003	0.015	0.005	3	0.01
				actinolite and massive pyrrhotite along thin fractures. Cherts'		448.0	449.0	0.01	0.01	0.05	0.10		0.003	0.190	0.005	4	0.01
				become less frequent towards base of zone. M.S.400 - 1200 BCA 20°.		449.0	450.0	0.01	0.01	0.05	0.10		0.003	0.140	0.004	3	0.01
						450.0	451.0	0.01	0.01	0.05	0.10		0.003	0.055	0.004	2	0.01
454.5	493.0	38.5	100	NON-MAGNETIC SHALES: grey as before with some slightly bleached		451.0	452.0	0.01	0.01	0.05	0.10		0.002	0.014	0.004	2	0.01
				sections, some black spotting in places and some broken core zones.													
				Rare carbonate veinlets. M.S. ≤100 B.C.A. END OF HOLE 493.0m.													

RENISON LIMITED

DIAMOND DRILL HOLE PLOT

HOLE No.: M.L. 51.

MAGNETIC SUSCEPTIBILITY x10^{-6} c.g.s. units.

Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.
4.0	≤100	46.0	≤100	88.0	≤100	130.0	≤100	172.0	5600	214.0	1100	256.0	6300	298.0	6000	340.0	≤100	382.0	≤100	424.0	≤100	466.0	≤100
"	"	"	"	"	"	"	"	"	9600	"	≤100	"	7700	"	6100	"	≤100	"	"	"	"	"	"
"	"	"	"	90.0	"	"	"	"	6200	"	2500	"	5000	300.0	10000	"	2700	"	"	"	"	"	"
"	"		←48.9→	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	"	1400	"	"	"	"	"	7100	"	7400	"	6200	"	≤100	"	3800	"	"	"	"	"	"
"	"	50.0	2100	"	"	"	"	"	5600	"	2200	260.0	2800	"	6600	"	7800	"	"	"	400	470.0	"
"	"		←50.7→	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	←80→	"	"
"	"	"	≤100	"	"	"	"	"	6700	"	1600	"	3600	"	5000	"	7200	"	"	"	500	"	"
10.0	"	"	"	"	"	"	"	"	3000	220.0	900	"	3800	"	1000	"	4100	"	"	430.0	≤100	"	"
"	"	"	"	"	"	"	"	"	7800	"	3300	"	4700	"	2300	"	8400	"	"	"	200	"	"
"	"	"	"	"	"	"	"	180.0	7000	"	4800	"	5000	"	1500	"	4300	390.0	"	"	≤100	"	"
"	"	"	"	"	1700	"	"	"	800	"	1500	"	6100	"	4000	"	7900	"	"	"	"	"	"
"	"	"	"	"	"	"	"		←181.9→	"	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	≤100	140.0	"	"	≤100	"	200	"	3400	"	8700	350.0	8100	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"	"	"	100	"	4700	"	4600	"	7500	"	"	"	300	"	"
"	"	"	"	100.0	"	"	"	"	"	"	900	"	3100	310.0	3000	"	6800	"	"	"	4500	"	"
"	"	"	"	"	700	"	"	"	"	"	≤100	"	7500	"	3500	"	5800	"	"	"	800	"	"
"	"	60.0	"	"	≤100	"	"	"	"	"	700	270.0	3800	"	3400	"	5800	"	"	"	900	480.0	"
"	"	"	"	"	"		←144.8→	"	"	"	"		←270.8→	"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	6400	"	400	"	"	"	200	"	100	"	4800	"	4800	"	"	"	≤100	"	"
20.0	"	"	"	"	400	"	5000	"	"	230.0	≤100	"	"	"	4500	"	4700	"	"	440.0	"	"	"
"	"	"	"	"	≤100	"	5800	"	"	"	3800	"	"	"	4000	"	4100	"	"	"	200	"	"
"	"	"	"	"	"	"	10000	190.0	"	"	6200	"	"	"	1900	"	2600	400.0	"	"	≤100	"	"
"	"	"	"	"	"	"	"	"	"	"	"		←274.2→	"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	9400	"	"	"	5400	"	5100	"	2300	"	4100	"	"	"	1100	"	"
"	"	"	"	"	"	150.0	9100	"	"	"	4500	"	3800	"	2200	360.0	4700	"	"	"	800	"	"
"	"	"	"	"	"	"	4700	"	"	"	1200	"	6200	"	2800	"	7900	"	"	"	300	"	"
"	"	"	"	110.0	"	"	4200	"	"	"	1700	"	6600	320.0	3500	"	6700	"	"	"	400	"	"
"	"	"	"	"	"	"	3500	"	"	"	4300	"	7400	"	9300	"	8300	"	"	"	300	"	"
"	"	70.0	"	"	"	"	5600	"	"	"	4700	280.0	4400	"	6800	"	5900	"	"	"	200	490.0	"
"	"	"	"	"	"	"	1900	"	"	"	8200	"	5900	"	3500	"	500	"	"	"	200	"	"
30.0	"	"	"	"	"	"	2400	"	"	240.0	5500	"	5000	"	2900	"	4600	"	"	450.0	400	"	"
"	"	"	"	"	"	"	6500	"	"	"	5700	"	3700	"	7600	"	8100	"	"	"	400	493.0	"
"	"	"	"	"	"	"	"	"	"	"	"		←283.5→	"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	5000	200.0	"	"	4300	"	100	"	6000	"	6500	410.0	"	"	1200	End of Hole	
"	"	"	"	"	"	"	3200	"	"	"	10000	"	"	"	7000	"	6000	"	"	"	400		
"	"	"	"	"	"	160.0	3500	"	"	"	9100	"	"	"	8900	370.0	6000	"	"	"	500		
"	400	"	"	"	"	"	1300	"	"	"	1800	"	"	"	11000	"	3100	"	"	"	≤100		
"	≤100	"	"	120.0	"	"	3400	"	"	"	≤100	"	"	330.0	9300	"	4000	"	"	"	"		
"	"	"	"	"	"	"	2400	"	"	"	100	"	"	"	6300	"	4800	"	"	"	"		
"	"	"	"	"	"		←163.3→	"	"	"	"		←289.3→	"	"	"	"	"	"	"	"		
"	"	80.0	"	"	"	"	≤100	"	"	"	800	290.0	5000	"	4400	"	"	"	"	"	"		
"	"	"	"	"	"	"	"	"	"	"	≤100	"	9100	"	3500	"	2100	"	"	"	"		
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		←375.5→	"	"	"	"		
"	"	"	"	"	"	"	"	"	"	250.0	2900	"	6100	"	2700	"	≤100	"	"	460.0	"		
40.0	"	"	"																				

058

14105 9

RENISON LIMITED

HOLE No. : M.L. 51

DIAMOND DRILL HOLE PLOT

MAGNETIC SUSCEPTIBILITY x 10^{-6} c.g.s units.

Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.	Depth	M.S.
40.0	< 100	80.0	< 100	120.0	< 100	160.0	166.6	200.0	< 100	250.0	2900	290.0	6100	330.0	2700	370.0	< 100	410.0	< 100	460.0	< 100		
"	"	"	"	"	"	"	3600	"	"	"	4300	"	6600	"	3900	"	"	"	"	"	"		
"	"	"	"	"	"	"	7700	210.0	"	"	5600	"	5800	"	1500	"	"	420.0	900	"	"		
								← 210.6 →															
"	200	"	"	"	"	"	8800	"	300	"	10000	"	6800	"	4900	"	"	"	< 100	"	"		
"	200	"	"	"	"	170.0	6900	"	200	"	6000	"	7600	"	2800	380.0	"	"	"	"	"		
"	100	"	"	"	"	"	7600	"	200	"	1900	"	10000	"	6900	"	"		200	"	"		

RENISON LIMITED - DRILL CORE RECORD

060

HOLE NUMBER	M.L. 50
PURPOSE	To test mineralisation - No. 2 Carbonate Between drill holes M.L. 38 and 49
LOCATION	MT LINDSAY TASMANIA
COLLAR R.L.	2379.7 m.
CO-ORDINATES	31448.7 m N 11407.5 m E
LENGTH	104.0 m
HOLE SIZE	Hq 0 - 36.0 m Nq 36.0 - 70.7 m Bq 70.7 - 104.0 m
DATE DRILLED	9th - 12th January 1979
SIGNIFICANT CORE LOSS ZONES	
ORE ZONE GROUND CONDITIONS	
LOGGED BY	R. Schellekens
COMMENTS	Hole stopped due to excessive deviation in bearing in first 60 metres.

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog. Total
0.0	42°32'58"	-62°54'	0 - 23.0	23.0	20.5	2359.2	10.4	10.4
46.0	-	-61°15'	- 61.0	38.0	33.3	2325.9	18.3	28.7
76.0	35°30'	-60°45'	- 82.0	21.0	18.3	2307.6	10.3	39.0
88.0	36°	-60°30'	- 91.0	9.0	7.8	2299.8	4.4	43.4
94.0	36°	-60°45'	- 99.0	8.0	7.0	2292.8	3.9	47.3
104.0	35°30'	-60°45'	-104.0	5.0	4.4	2288.4	2.4	49.7

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			

141061

HOLE No.: ML 50

SCALE: metres

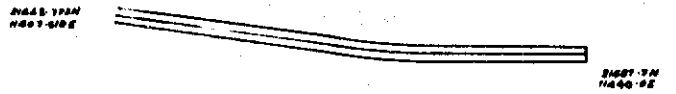
RENISON LIMITED

DIAMOND DRILL HOLE PLOT

5 cm

061

PLAN



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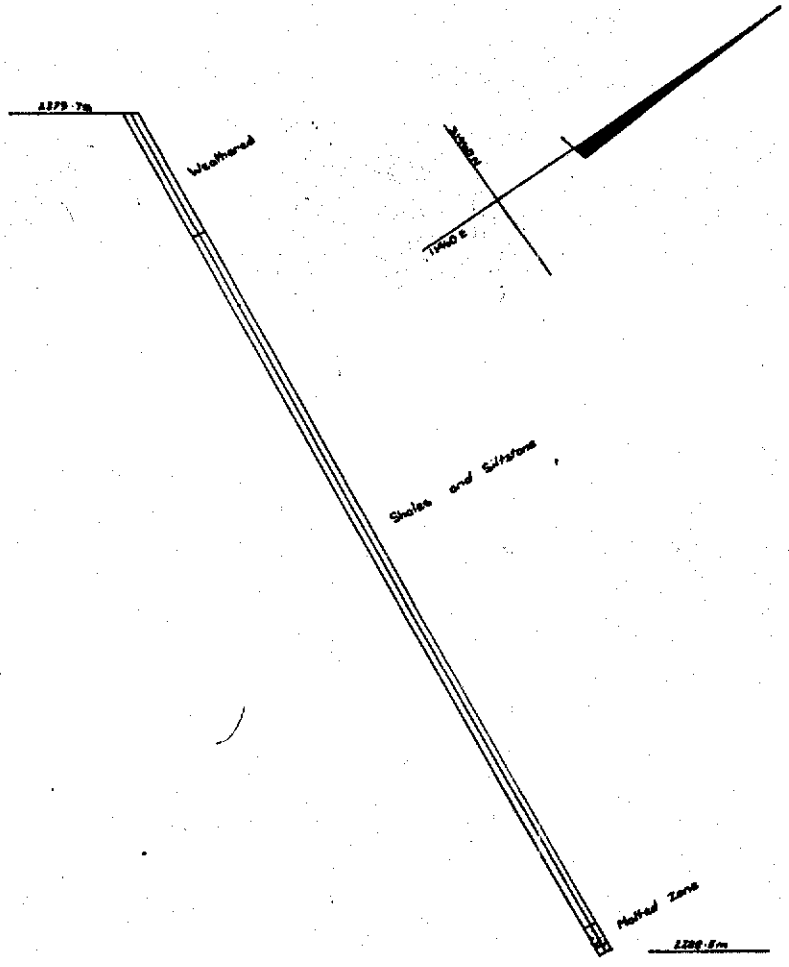

1411062

062

DIAMOND DRILL RECORD

HOLE NUMBER : H.L. 50

LOGGED BY : R.R.S.

	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
	0.0	15.0	8.3	55	Weathered siltstones, shales and fine sandstones: brown - brown grey, soft, very broken, fine to medium grained tuffaceous sediments. Limonite staining on fractures. Some less weathered brown-grey cherty and tuffaceous sandstone bands. M.S. ≤ 100 B.C.A. 30°.													
	15.0	32.7	17.7	100	Broken non-magnetic shales and siltstones: unweathered grey to dark grey siltstones and shales (tuffaceous). Rare ironstaining on joints to 16.0m. Core broken and fractured - with chlorite, carbonate and some sulphides along fracture surfaces. Minor grey cherty zones - fractured 15.5 - 15.7m, 18.5 - 18.7m, 20.5 - 21.0m. M.S. ≤ 100 B.C.A. not observed. 26.9 - 30.0m pyrite associated with thin fracture. 31.0 - 32.0m cherty zone well fractured, chlorite on irregular fractures, possible fault zone. Some quartz-chlorite veins, with some silicification of core near veins.													
	32.7	96.5	63.3	99	Non magnetic shales and siltstones: as before, less fractured, fractures irregular and straight, high to low angle with chlorite and minor pyrite and/or pyrrhotite on fracture surfaces. Graded bedding - younging downwards. Some pyrrhotite veins to 0.5cm wide. M.S. ≤ 100. B.C.A. 30° - 35°. 43.7 - 52.0m broken core. 48.3 - 51.0m possible fault zone - core bleached near fractures, chlorite and pyrrhotite along fracture surfaces, and some patches of chlorite, quartz and pyrrhotite. 77.8 - 80.0m some silicification and bleaching of core with quartz-chlorite-pyrrhotite patches and veins. 89.0 - 91.8m some green chert bands and quartz-chlorite-pyrrhotite along fractures.													
	96.5	100.5	4.0	100	Mottled Zone (?): grey, dark grey, grey brown siltstones and shales with green-cream chert bands. Some bleaching of sediments near cherts. M.S. ≤ 100 B.C.A. 30°.													
	100.5	104.0	3.5	100	Non magnetic shales and siltstones: as before. END OF HOLE 104.0m													

41063

063

DIAMOND DRILL RECORD

HOLE NUMBER : M.L. 50

LOGGED BY : R.R.S.

INTERVAL (m) FROM	INTERVAL (m) TO	RECOVERY m	RECOVERY %	DESCRIPTION Magnetic Susceptibility x 10^{-6} c.g.s. units		FORM.	% Sn. FROM	% Sn. TO	% Sn. TOTAL	% Sn. ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
DEPTH	M.S.	DEPTH	M.S.	DEPTH	M.S.													
4.0	⩽100	45.0	⩽100	86.0	⩽100													
5.0	"	46.0	"	87.0	"													
6.0	"	47.0	"	88.0	"													
7.0	"	48.0	"	89.0	200													
8.0	"	49.0	"	90.0	⩽100													
9.0	"	50.0	"	91.0	"													
10.0	"	51.0	"	92.0	"													
11.0	"	52.0	"	93.0	"													
12.0	"	53.0	"	94.0	"													
13.0	"	54.0	"	95.0	"													
14.0	"	55.0	"	96.0	"													
15.0	"	56.0	"	97.0	"													
16.0	"	57.0	"	98.0	"													
17.0	"	58.0	"	99.0	"													
18.0	"	59.0	"	100.0	"													
19.0	"	60.0	"	101.0	"													
20.0	"	61.0	"	102.0	"													
21.0	"	62.0	"	103.0	"													
22.0	"	63.0	"	104.0	"													
23.0	"	64.0	"	End of Hole														
24.0	"	65.0	"															
25.0	"	66.0	"	Anomalies caused by pyrrhotite in core														
26.0	"	67.0	"															
27.0	"	68.0	"															
28.0	"	69.0	"															
29.0	"	70.0	"															
30.0	"	71.0	"															
31.0	"	72.0	"															
32.0	"	73.0	"															
33.0	"	74.0	"															
34.0	"	75.0	"															
35.0	"	76.0	"															
36.0	"	77.0	"															
37.0	"	78.0	"															
38.0	"	79.0	2700															
39.0	"	80.0	⩽100															
40.0	"	81.0	"															
41.0	"	82.0	"															
42.0	"	83.0	"															
43.0	"	84.0	"															
44.0	"	85.0	"															

141064

APPENDIX 2

PROPOSED BUDGETS

E.L. 2/63 and E.L. 18/73

065

GEOLOGY E.L. 2/63 MT LINDSAY

ITEM	REF.	P#01.	P#02.	P#03.	P#04.	P#05.	P#06.	P#07.	P#08.	P#09.	P#10.	P#11.	P#12.	TOTAL
SALARIES	L760702	261	261	261	431	646	1616	1077	646	431	277	277	277	6461
SALARY LOADING	L760703	261											277	538
CONSUMABLES	C760705	54	54	107	109	217	434	330	330	220	111	111	111	2188
VEHICLES	C760708													
TRAVEL & ACCOMMODATION	C760710													
RENISON SERVICES: SURVEY	C760720					543	543	550	550	550				2736
ASSAY	C760721						1086	2200	3300	1100	1114			8800
RESEARCH	C760722						271	495	275	275	279			1595
OTHER	C760723													
OUTSIDE SERVICES														
GEOLOGICAL	C760730													
GEOPHYSICAL	C760731													
GEOCHEMICAL	C760732								550	550				1100
TRACK CUTTING	C760733				2172	3257	3855	4400	3300	2200				19184
SITE & ACCESS DEVELOPMENT	F760735						1000							1000
DIAMOND DRILLING	F760736							11250						11250
OTHER	C760737													
LEASE PAYMENTS	F760740													
SUB-TOTAL		576	315	368	2712	4663	8805	20302	8951	5326	1781	388	665	54852
CHARGED TO PARTNERS	760770	230-	126	147-	1085	1865-	3522	8121-	3580	2130-	712	155-	266	21939-
SECTION TOTAL		346	189	221	1627	2798	5283	12181	5371	3196	1069	233	399	32913

GEOLOGY EL 18/73 STANLEY AREA

066

ITEM	REF.	P#01.	P#02.	P#03.	P#04.	P#05.	P#06.	P#07.	P#08.	P#09.	P#10.	P#11.	P#12.	TOTAL
SALARIES	L770702	52	52	105	108	323	323	431	431	323	111	55	55	2369
SALARY LOADING	L770703		261											261
CONSUMABLES	C770705	54	54	54	109	271	434	440	440	110	111	56	56	2189
VEHICLES	C770708													
TRAVEL & ACCOMMODATION	C770710													
RENISON SERVICES: SURVEY	C770720						271	275						546
ASSAY	C770721				271		271		275	275				1092
RESEARCH	C770722								55					55
OTHER	C770723													
OUTSIDE SERVICES:														
GEOLOGICAL	C770730													
GEOPHYSICAL	C770731													
GEOCHEMICAL	C770732													
TRACK CUTTING	C770733													
SITE & ACCESS DEVELOPMENT	F770735							1000						1000
DIAMOND DRILLING	F770736								22500					22500
OTHER	C770737													
LEAVE PAYMENTS	F770740													
SECTION TOTAL		106	367	159	488	594	1299	2146	23701	708	222	111	111	30012

14106-1

RENISON LTD.
E.L. 17/77

RENISON LTD.
E.L. 18/73

Proposed Harman River Grid

ABERFOYLE
E.L. 2/63

RENISON LTD
E.L. 42/71

RENISON LTD
E.L. 42/71

FEDERATION AREA
E.L. 11/76

MT. LYELL MG & RLY Co Ltd.
S.P.L. 129

Corinna

Granville Harbour

Trial Harbour

Remine

Zeehan

Rosebery

Tullah

Queenstown

Strahan

SOUTHERN OCEAN

TASMANIA

5 cm

141068

RENISON LIMITED

79-1581
copy 1

LOCALITY MAP

GEOLOGIST	SCALE 1:250,000 METRES
DRAUGHTSMAN : K. A. Nelson	
DATE :	
REVISIONS :	DRAWING No. MLP 138

2799

2799

GRANITE OUTCROP

ML 1/6 ML 2/7 ML 2/1 ML 2/2 ML 2/3 ML 2/4 ML 2/5

ML 1 ML 2 ML 3 ML 4 ML 5 ML 9 ML 11 ML 13 ML 15 ML 16 ML 17 ML 18 ML 30 ML 31 ML 32 ML 33 ML 35 ML 36 ML 37 ML 39 ML 41 ML 42 ML 43 ML 44 ML 45 ML 46 ML 47 ML 48 ML 49 ML 50 ML 51 ML 52 ML 53 ML 54 ML 55

ML 19 ML 20 ML 21 ML 22 ML 29

REFERENCE PLANE 1000 1020 1040 1060 1080 1100 1110 1120 1128 1140 1142

LEASE BOUNDARY E.C. 2143 E.C. 1979

MINERALISATION

Tin skarn

Lode beds (Apentiale form)

INTRUSIVE ROCKS

Granite - Devonian

DRINSON CREEK FORMATION Cambrian

Volcaniclastic Sediments
Turbiditeous greywacke, siltstone

Volcaniclastic Sediments
Strongly magnetic

Mottled zone

Calc - silicate

Carbonate

Chert

Weathered carbonate and/or calc-silicates

141069

5 cm

79-138
5894

5 cm

RENISON LIMITED

MOUNT LINDSAY M 16

DD.H. GEOLOGICAL PLAN

GEOLOGIST R Schellekens	SCALE 1 200 METRES
DRAUGHTSMAN J Matthews	4 0 20 40 80
DATE August 1979	
REVISIONS	DRAWING No M.L.P. 139

2800

1000 1020 1040 1060 1080 1100 1120 1140

2700 2600 2500 2400 2300 2200 2100 2000 1900 1800 1700 1600 1500 1400

15 14 13 12 11 10 9 8 7 6 5

Very strong magnetic anomaly No I.P. or geochem. coverage

Strong neg. mag. Cu, Sn, As, responses. No I.P. coverage

13S

Weak geophysical and geochemical responses

Strong mag. anomaly Poor geochem responses No I.P. coverage

12S

Extremely strong mag. responses. Strong I.P. and As., Sn., Cu anomalies

11S

Strong mag. responses Strong As, Sn, Cu anomalies No I.P. coverage

Extremely high magnetic anomaly very broad. Mod. Cu anomalies Sn - no response As - no response

10S

Very strong mag. response. Strong Sn, As, Cu anomalies No I.P. coverage

9S

Very strong mag response highly chargeable + conductive Strong Sn, As, mod Cu responses.

8S

Strong mag. responses Weak Cu anomaly No I.P. coverage

7S

Strongly magnetic, not chargeable, weak conductivity, geochem. responses.

6S

On flank of large magnetic anomaly Very poor I.P. and geochem responses.

5S

On south flank of large mag. anomaly Poor I.P. and geochem responses.

4S

Flank of mag anomaly No geochem anomalies No I.P. coverage

3S

Mod magnetic responses No geochem or I.P. anomalies

2S

Mod magnetic responses Poor geochem and I.P. responses

1S

Strong mag. responses Weak Cu anomaly No I.P. coverage

ML 2/6

ML 2/7
Both holes intersected granite before reaching NP2 Anomaly zone

EL 1/83

ML 2/1
10m @ 0.10 Sn
including 10m 0.20 Sn

ML 2/2
Faulted off after 10m
including 5m 0.185 Sn

ML 2/3
27m @ 0.165 Sn
including 6m 0.465 Sn

ML 2/4
10m @ 0.16 Sn

ML 2/5
Zone Stopped in middle of zone
including 7m 0.11 Sn

SKARN ZONE

ML 37 SKARN
Horizon 30m thick
30m replaced by skarn
Skarn = 10m thick containing
2m @ 0.13 Sn and
another interval
6.5m @ 0.1 WO3
Total Fe 35%

ML 47 SKARN
Horizon 20m thick
20m replaced by magnetic
Skarn = 10m thick in centre
of intersection, including
10.8m of 0.2 Sn
& 0.125 Sn
Minor scheelite

ML 41 SKARN
Horizon 41m thick
Completely replaced
by skarn
Incl 0.77 Sn containing
5m @ 0.36 Sn
& 0.2 Sn
@ 0.1 WO3
Total Fe 35%
Sig Sn assays in 1m lengths throughout interval

ML 49 SKARN
Horizon 31m thick
Skarn = sulphides -
Cassiterite - Quartz
Consisting of three zones
1.5m @ 0.12 Sn & 0.6 Sel Sn
3.5m @ 0.12 Sn & 0.28 Sel Sn
7.7m @ 0.15 Sn & 0.08 Sel Sn
Minor Sn, Cu, WO3

ML 55 UPPER
Horizon 45m thick
Clay, barren carbonate
+ calcsilicate on strike
NSR Sn

ML 55 LOWER
Horizon 29.7m thick
Calc-silicate, minor
sulphide + scheelite
interbedded charts
and marbles
27.4m @ 0.01% Sn
2 zones 2m @ 0.27% WO3
1m @ 1.06% WO3

ML 44
Barren carbonate
50m thick
Minor calc-silicate
alteration
Trace sulphide
Nil Sn

BARREN CARBONATE ZONE

ML 38 UPPER
Barren carbonate
50m thick
Minor calc-silicate
alteration
Trace sulphide

ML 38 SKARN
Horizon 40m thick
23m replaced by magnetite - carbonate - cassiterite - sulphide skarn
Skarn = 18.5m @ 0.1% Sn containing 1.5m @ 1.05% Sn, 0.02% WO3
Total Fe 23m of 26% of which 11% reports as magnetite

ML 51
Horizon 30m thick
Calc - silicates and minor sulphides with some skarn bands.
Sig Sn assays
0.13% Sn, 0.05% Sel Sn

ML 40
Barren carbonate
50m thick
Minor calc - silicate alteration
Trace sulphide

ML 42
Barren carbonate
52m thick
Minor calc-silicate alteration
Trace sulphide

ML 46
Barren carbonate and calc-silicate
32m thick
Trace sulphide
Nil Sn.

ML 45
Barren carbonate
Calc-silicate - silicates
chert band below
81m thick

Approximate № 2 Anomaly – Granite ? Contact – Line ?

1. Surface shown is projected outcrop position of № 2 Anomaly zone.
2. Positions where traverse lines cross outcrop are shown thus: (9)
   Geophysical and geochemical responses obtained on traverse lines across the outcrop position are also shown.
3. ○ ML 3/3
   Centre of ore zone diamond drill hole intersection point
   Thicknesses shown are estimated true thicknesses
4. Holes ML 2/1 to 2/7 were drilled by Aberfoyle in 1968 – 69
   Complete assays are not available.

FOR AN OREBODY 30 m WIDE
A SQUARE THIS BIG ON THIS
PROJECTION WOULD REPRESENT
2,000,000 tonnes

1410:0
TONNAGE POTENTIAL GUIDE

5 cm

79-1381
Geol 1

1. Projection plane runs grid N.W.–S.E. and looks N.E.
2. Grid and R.L. systems used are Renison Mine systems
3. Projection limits and section lines correspond to those of the Mt. Lindsay 1:2000 base plan M 16.

5 cm

RENISON LIMITED

MT. LINDSAY PROJECT
№ 2 ANOMALY
LONGITUDINAL PROJECTION

GEOLOGIST	: R R Schellekens
DRAUGHTSMAN	: J M Matthews
DATE	: July 1979
REVISIONS	:

SCALE - 1:2000 METRES
40 0 40 80

DRAWING No.
MLP 140

2801

NUMEROUS OLD MINE WORKINGS COLLECTIVELY KNOWN AS THE MT LINDSAY "A" MINE

Very strong mag response over 1 m zone(s) Strong Sr, mod Cu anomalies

Strong magnetic, Sr, As, Cu anomalies No I.P. coverage

Strong magnetic and I.P. anomalies Weak Sn anomaly

Very strong magnetic, Sr, As anomalies No I.P. coverage

Sn south flank of strong mag. I.P. and geochem ? hangwall of outcrop

Very strong mag response No I.P. coverage Strong Sn, As, Cu anomalies

Very strong magnetic I.P. conductor "A" Sn, Cu, As, Ag anomalies

Very strong magnetic No I.P. coverage Sr, Cu, As anomalies

Strong magnetic anomaly Conductive but not congruous weak Sr response

No sig mag anomaly No I.P. coverage Weak Sr anomaly

No sig mag response Very strong I.P. cond. anomaly Strong Sn, As anomalies

No magnetic response Very strong I.P. cond. anomaly Mod Sn, Cu, As anomalies

Poor magnetic, I.P. geochem responses

Strong magnetic anomaly No I.P. coverage Mod As, Cu, Zn response

Poor magnetic, I.P. geochem responses

Very strong mag anomaly Resistive zone Mod As, Cu anomaly

Poor mag. correlation 1m I.P. coverage Strong As anomaly

Strong mag. anomaly Weak I.P. response No geochem response

Strong mag anomaly No I.P. response Weak Cu, Zn anomaly

No sig mag anomaly No I.P. coverage Mod As anomaly

ML 80 15m "Lode Beds" Pyr, Sph, Galeph not incl. 5m 0.44Sn

ML 50 12m 0.06 Sn(ox) 15ft wide

ML 30 2m 0.32 Sn 2m 0.30 Sn "Lode Beds" about 35ft wide

ML 39 20m "Lode Beds" higher grades in 2 & 4 m.w.

ML 73 10m trace

ML 16 20m 0.26 Sn 0.12 Cu 0.03 As 4 0.01 WO3

ML 77 "Lode Beds" 4.5m 0.12Sn

ML 35 No logs available (holes with dip

ML 18 18m 0.25Sn 0.19Cu 0.07 As 10.8 Sol Sn

ML 4 Loose in lode 10m 0.24Sn 0.11Cu 10m 0.20Sn 10m 0.24Sn

ML 20 Poor 2.4m 0.14Sn 0.07Cu

ML 1 15m 0.53Sn 0.18Cu 15m 0.17Sn

ML 3 10m 1.55Sn May contain a wide tin rich fault zone Complete hole about 15m 1.42Sn

ML 2 Hole abandoned in lode 0.24Sn 0.07Cu 4.27m Sn) begin 8m 0.76Sn

ML 52 Horizon 3±3m thick H/W 29.8m weathered clay 4.5m rich schists + 0.07% Sn

ML 31 Hole drilled downhole and stopped in mine Lode prob. 15m thick 0.25Sn 0.08Cu 0.06Cu 0.01 WO3

ML 32 15m 0.40Sn 0.12Cu 0.06Sol Sn 0.09Cu + 0.01 WO3

ML 33 12m 0.30Sn 0.12Cu 0.06Sol Sn 0.10 Cu 0.01 WO3

ML 54 Horizon 2±5m thick Skarn with minor sulphides 0.11%Sn, 0.09% Sol Sn

ML 37 Chert and carbonate 21m thick

ML 49 Barren carbonate Chert and base 18m thick

ML 38 15m Carbonates and chert. Sig pyrrhotite

ML 60 8m Chert, calc-silicate, trace sulphides

ML 42 8m Thin cherty sequence minor pyrrhotite

ML 35 3m 0.26 Sn 0.08 Cu 0.03 As 0.03 WO3 with 30m of mineralised shales and trace sphalerites Significant 10.18 Acid sol Sn

ML 43 Intersected granite

ML 36 3.0m 0.27 Sn 40 0% Cu 0.04 As 0.04 WO3 Containing a zone 17m 0.70 Sn incl. end sig WO3 over several metres Horizon 25m thick

ML 45 Thin poorly developed cherty/shale sequence

ML 46 Thin poorly developed cherty/shale sequence with carbonate and carbonate 12m mixed felsic schists 1.0m = 0.11 WO3

Granite

EL 21/73
EL 18/73

LOWER
LOWER

LOWER MAIN ZONE
UPPER MAIN ZONE

UPPER
LOWER

1 Surface shown is projected outcrop position of main ore zone

2 Positions where traverse lines cross outcrop are shown thus ⑤

Geophysical and geochemical responses obtained on traverse lines across the outcrop position are also shown

3 ○ ML 33 Centre of ore zone diamond drill hole intersection point

Thicknesses shown are estimated true thicknesses

4 ML 1 to ML 33 were drilled by Aberfoyle between 1962-69 and all data relating to these holes should be regarded as approximate only

FOR AN OREBODY 10 m WIDE
A SQUARE THIS BIG ON THIS
PROJECTION WOULD REPRESENT
1,000,000 tonnes

TONNAGE POTENTIAL GUIDE

141071

79-1381
COPY 1

1 Projection plane runs grid N.W.-S.E. and looks N.E.

2 Grid and R.L. systems used are Renison Mine systems

3 Projection limits and section lines correspond to those of the Mt Lindsay 1:2000 base plan M.16

5 cm

RENISON LIMITED

MT LINDSAY PROJECT
MAIN ORE ZONE
LONGITUDINAL PROJECTION

GEOLOGIST : R.R. Schellekens	SCALE 1:2000 METRES
DRAUGHTSMAN : J.M. Matthews	0 20 40 60 80
DATE : July 1979	
REVISIONS :	DRAWING No. MLP 141

2802

2803

Geochemistry

PPM

670 As | 875 As | 730 As | 600 As | 780 Zn | 540 Zn

200 180 160 140 120 100 80 60 40 20 0

2000 2100 2200 2300 2400 2500

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –) | CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100 | 60 40 20 0

2000 2100 2200 2300 2400 2500

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) | CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100 | 60 40 20 0

2000 2100 2200 2300 2400 2500

Total Magnetic Field (δ)

FINE SCALE (– – –) | COARSE SCALE (——)

63000 62,000 61,000 60,000 | 65,000 64,000 63,000

800 600 400 200

2000 2100 2200 2300 2400 2500

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2500 2450 2400 2350 2300 2200 2150 2100 2050 2000 1950 1900 1850 1800

2000 2100 2200 2300 2400 2500

Magnetic Susceptibility ×10⁻⁴ c g s units — 100 | 1000 | 10000

ML 50 Proj 4.0m NW

ML 51 Proj 2.5m NW

ML 55 Proj 17.0m NW

Proj 2.5m NW Length 104.0m

Proj 3.0m NW Length 340.0m

Proj 14.0m NW Length 493.0m

N° 2 Carbonate (upper) mostly weathered carbonate and calc-silicates

Magnetic shale

N° 2 carbonate (lower) calc-silicates + chert

Fault zone

N° 2 Carbonate (calc-silicates + minor sulphides)

I P DATA

Chargeability

Resistivity

MAGNETICS

5000 γ Scale

1000 γ Scale

Section looking N W

NOTE Distances slope, not horizontal

SOIL GEOCHEMISTRY

Sn Cu Pb Zn As W

LEGEND

- VOLCANICLASTIC SEDIMENTS — Strongly magnetic zones / Non magnetic zones
- CHERT
- MOTTLED ZONES
- CARBONATE ZONE — Minor chert and calc-silicates
- CALC SILICATES
- CLAY — Weathered carbonate and / or calc-silicates
- SKARN MINERALISATION — Magnetite, pyrrhotite and phlogopite
- FAULT ZONE
- MEREDITH GRANITE

5 cm

141072

79-1381 copy 1.

RENISON LIMITED

E.L. 2/63

MT. LINDSAY GRID

LINE ML.7

HOLES ML50, 51 & 55

GEOLOGIST	R R Schellekens
DRAUGHTSMAN	J M Matthews
DATE	August 1979
SCALE	1 1000 METRES (20 0 20 40)
REVISIONS	
DRAWING No	MLP 142

2803

Geochemistry

PPM

200 180 160 140 120 100 80 60 40 20 0

330 Sn 240 As

1010 Sn 300 As

390 Sn 405 As 300 Cu

300 S 200 S 100 S 0 100 N 200 N 300 N

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

Total Magnetic Field (γ)

63000 800 600 400 200 62,000

FINE SCALE (– – –)

65.000 64,000 63,000 62,000 61,000 60000

COARSE SCALE (——)

300 S 200 S 100 S 00 100 N 200 N 300 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2350 2300 2200 2150

Magnetic Susceptibility 10000 1000 100 ×10⁻⁶ c g s units

Road

ML 52

Weathered zone

Magnetic shales

Tuffaceous shales

Mottled zone

Fault

clay - weathered carbonate?

Main Leader (partly weathered)

calc-silicate

chert

shale

magnetic shale

fault zones shale

magnetic shale

Length 159 5m

300 S 200 S 100 S 0 100 N 200 N 300 N

5 cm

141073

RENISON LIMITED

E.L. 2/63

MT. LINDSAY GRID.

HOLE M.L.52

79-1381

copy 1.

GEOLOGIST R. Schellekens	SCALE 1 1000 METRES
DRAUGHTSMAN J. Matthews	20 0 20 40
DATE August 1979	
REVISIONS	DRAWING No MLP 143

I.P

CHARGEABILITY

RESISTIVITY

MAGNETICS

5000 γ SCALE

1000 γ SCALE

GEOCHEMISTRY

Sn Cu Pb Zn As W

LINE ML 10 S PROJECTED 18 0m N W ONTO SECTION

LEGEND

VOLCANICLASTIC SEDIMENTS
Strongly magnetic zones
Non magnetic zones

CHERT

MOTTLED ZONES

CARBONATE ZONE
Minor chert and calc - silicates

CALC SILICATES

CLAY
Weathered carbonate and /or calc - silicates

SKARN MINERALISATION
Magnetite, pyrrhotite and phlogopite

FAULT ZONE

MEREDITH GRANITE

2804

2805

Geochemistry

PPM

200 180 160 140 120 100 80 60 40 20 0

700 N 800 N 900 N 1000 N 1100 N 1200 1300 N

M.I.P. & E.I.P Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

Total Magnetic Field (γ)

FINE SCALE (– – –) 800 600 400 200

COARSE SCALE (——) 65.000 64.000 63,000 62,000 61,000 60000

53000 62,000

700 N 800 N 900 N 1000 N 1100 N 1200 N 1300 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2300 2250 2200 2150 2100 2050 2000 1950 1900

CREEK

CREEK

ML 53
Projected 12 5m NW

weathered

Magnetic Susceptibility
$\times 10^{-4}$ c g s units
001 0001 00001

N° 4 carbonate 54 4 44 1 73 4 <0 01 <0 01

156 5 159 7 174 4 384 6 421 6 448 1 485 6 504 3

Mottled non-magnetic shales

Projected 5 5m SE
Length 554 0m

700 N 800 N 900 N 1000 N 1100 N 1200 N 1300 N

5 cm

141074

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RENISON LIMITED

E.L. 18/73
MT. LINDSAY GRID
LINE M.L. 13
HOLE ML 53

GEOLOGIST	R R Schellekens
DRAUGHTSMAN	J M Matthews
DATE	August 1979
REVISIONS	

SCALE 1 1000 METRES
20 0 20 40

DRAWING No
MLP 144

I P DATA
Chargeability
Resistivity

MAGNETICS
5000 γ Scale
1000 γ Scale

Section looking N W

NOTE Distances slope, not horizontal

SOIL GEOCHEMISTRY
Sn Cu Pb Zn As W

LEGEND

VOLCANICLASTIC SEDIMENTS
Strongly magnetic zones
Non magnetic zones

CHERT

MOTTLED ZONES

CARBONATE ZONE
Minor chert and calc - silicates

CALC SILICATES

CLAY
Weathered carbonate and / or calc - silicates

SKARN MINERALISATION
Magnetite, pyrrhotite and phlogopite

FAULT ZONE

MEREDITH GRANITE

02805

2806

Geochemistry

PPM

200 180 160 140 120 100 80 60 40 20 0

1130 Sn

315 Sn

1800 1900 2000 2100 2200 2300 2400

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

Total Magnetic Field (δ)

63000 800 600 400 200 62,000

(– – –) FINE SCALE

65.000 64,000 63,000 62,000 61,000 60,000

(——) COARSE SCALE

1800 1900 2000 2100 2200 2300 2400

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2300 2250 2200 2150

Magnetic Susceptibility 100 1000 10000

1 = 10^{-6} c.g.s. units

ML 54

+4 Weathered shales

Tuffaceous shales

43.1 Magnetite shales

58.3 Tuffaceous shales

96.0 Mottled zone

137.6 Skarn - calc silicates with minor magnetite, chlorite-pyrrhotite bands

139.0 Main Lode

139.5 Interbedded shales and cherts

187.0

Length 200.2 m

1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

5 cm

141075

RENISON LIMITED

E.L.2/63
MT. LINDSAY GRID.
HOLE M.L.54

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GEOLOGIST R. Schellekens	SCALE · 1 1000 METRES
DRAUGHTSMAN · J. Matthews	20 0 20 40
DATE . August 1979	
REVISIONS	DRAWING No MLP 145

I P

CHARGEABILITY

RESISTIVITY

MAGNETICS

5000 δ SCALE

1000 δ SCALE

GEOCHEMISTRY

Sn Cu Pb Zn As W

LINE ML 10 PROJECTED 26 0 m N.W. ONTO SECTION

LEGEND

VOLCANICLASTIC SEDIMENTS
Strongly magnetic zones
Non magnetic zones

CHERT

MOTTLED ZONES

CARBONATE ZONE
Minor chert and calc-silicates

CALC SILICATES

CLAY
Weathered carbonate and/or calc-silicates

SKARN MINERALISATION
Magnetite, pyrrhotite and phlogopite

FAULT ZONE

MEREDITH GRANITE

2806

2807

Geochemistry

PPM

200 180 160 140 120 100 80 60 40 20 0

245 Zn

500 S 400 S 300 S 200 S 100 S 00 100 N

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

500 S 400 S 300 S 200 S 100 S 0 100 N

Total Magnetic Field (δ)

63000 800 600 400 200 62,000

SCALE (– – –) FINE

SCALE (——) COARSE

65.000 64.000 63,000 62,000 61,000 60000

500 S 400 S 300 S 200 S 100 S 00 100 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL IN FEET

2350 2300 2250 2200 2150 2050 2000 1950 1900 1850 1800 1750 1700 1650

H E C Road

Proposed Hole Dip -50° Length 500m

ML 56

Creek

Walking track

Siltstone and shales with interbedded black cherts chert near base

Chert

Sandstone

Carbonate

Magnetic red cherts (Red rocks equivalent ?)

Chert and carbonate

Magnetic shales

Meredith Granite

? ? ?

500 S 400 S 300 S 200 S 100 S 00 100 N

5 cm

141076

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RENISON LIMITED

EL 18/73 MT. LINDSAY AREA

PROPOSED DRILL HOLE ML 56

LINE ML17, APPROX. POSITION ONLY

GEOLOGIST R R Schellekens	SCALE 1 1000 METRES
DRAUGHTSMAN J M Matthews	20 0 20 40
DATE - August 1979	
REVISIONS	DRAWING No MLP 146

I P DATA

Chargeability

Resistivity

Section looking N W

NOTE Distances slope, not horizontal

MAGNETICS

5000 γ Scale

1000 γ Scale

SOIL GEOCHEMISTRY

Sn Cu Pb Zn As W

LEGEND

VOLCANICLASTIC SEDIMENTS
Strongly magnetic zones
Non magnetic zones

CHERT

MOTTLED ZONES

CARBONATE ZONE
Minor chert and calc-silicates

CALC SILICATES

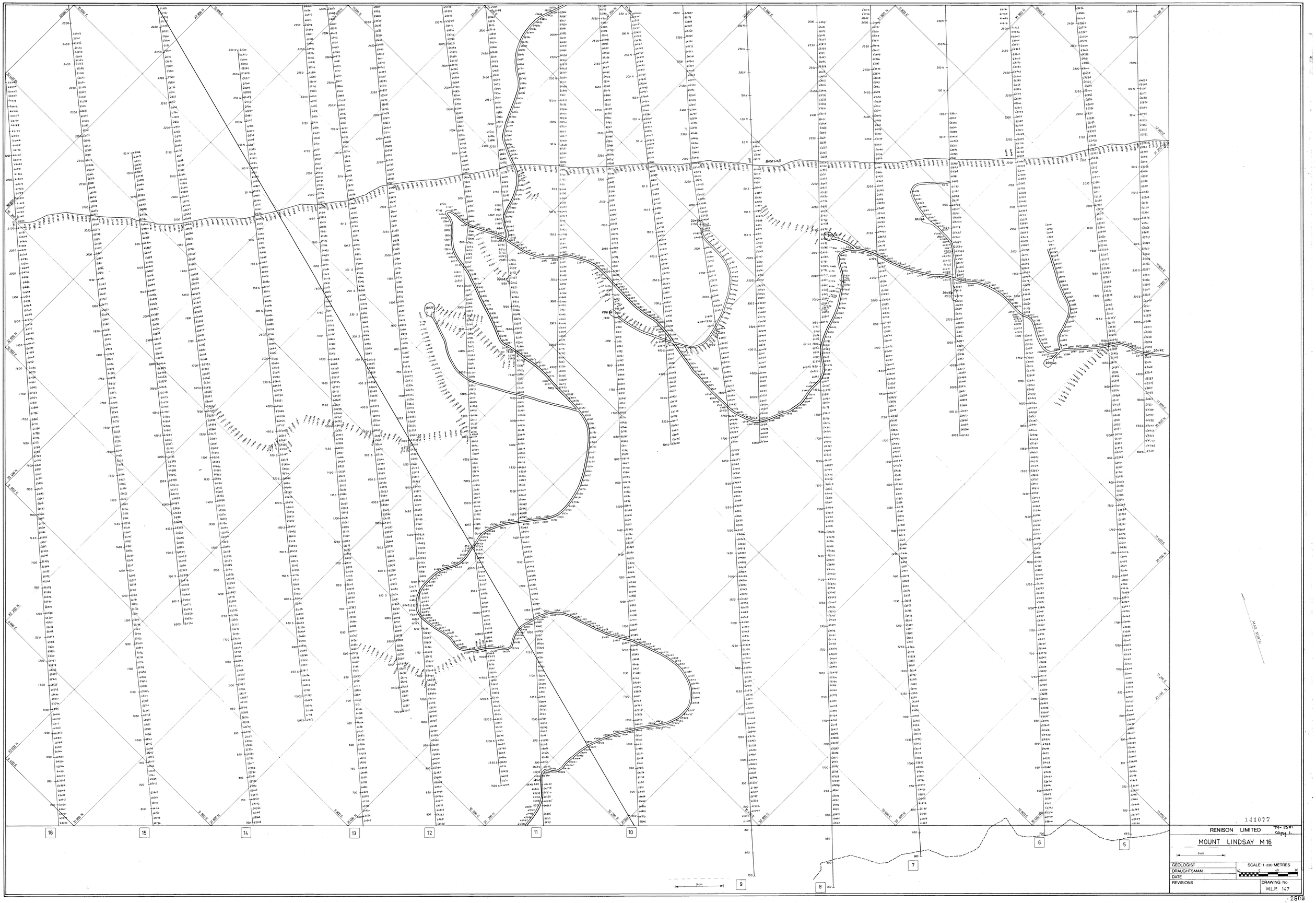
CLAY
Weathered carbonate and / or calc-silicates

SKARN MINERALISATION
Magnetite, pyrrhotite and phlogopite

FAULT ZONE

MEREDITH GRANITE

2807



141077

RENISON LIMITED

79-1581

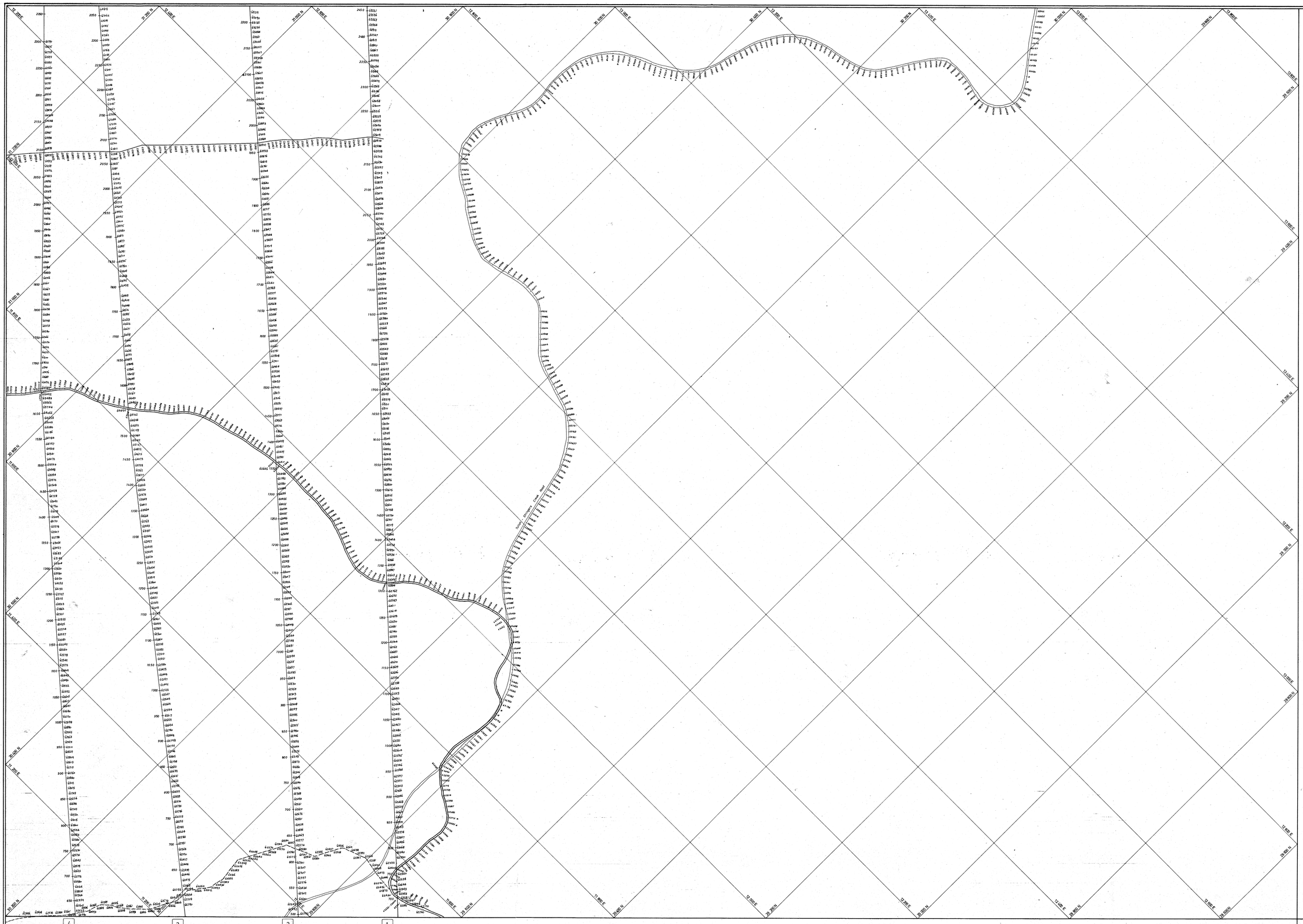
Copy 1

MOUNT LINDSAY M16

5 cm

GEOLOGIST	SCALE 1:200 METRES
DRAUGHTSMAN	0 2 4 6 8 10
DATE	
REVISIONS	DRAWING No M.L.P. 147

2808



* Reading not taken or suspect due to the presence of H.E.C. machinery (magnetic contamination)

5 cm

141078

5 cm

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MOUNT LINDSAY M17

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS : 2809	DRAWING No. M.L.P. 148

E.L. 18/73

E.L. 2/63

Mt. Lindsay

H.E.C. Road

Lindsay River

Parsons Hoop

Wilderness River

LOWER CAMBRIAN ?	OONAH FORMATION	
Pq	Massive Quartzite.	
Ps	Siltstones.	
Psh	Shales, often graphitic & slumped.	
Pm	Mudstones, siltstones. (Success Ck Group)	

MIDDLE CAMBRIAN ?	CRIMSON CREEK FORMATION.	
€c	Chert.	€m Fine Clastic sediments, some tuffs.
€cl	Lower Chert.	€g Mainly tuffs, some fine clastic sediments.
€s	Siltstones.	€ Cambrian Undifferentiated.
€cu	Upper Chert.	€h Hornfels.

TERTIARY
Alluvium.

INTRUSIVES.
Devonian granite.
Cambrian, gabbro.
Cambrian, Ultramafic

KEY.
Strike & dip of beds.
Anticline Syncline showing plunge.
Inferred fault.
Mt. Lindsay Mine (Carbonates)
Aberfoyle D.D.H.
Renison D.D.H.
Proposed D.D.H.
H.E.C. Road
Proposed road

Note: Mapping mainly by R.R. Scheliekens 1972 – 1974.
Traverse lines
Proposed traverse lines

CORINNA 1974	CORINNA 1964
ZEEHAN 6M	ZEEHAN 8M2

RENISON LIMITED 144079

E.L.18/73, E.L.2/63.

WORK COMPLETED AND PROPOSED FOR 1979 – 80

SCALE. 1:10000 METRES

200 0 200 400 600

5 cm

DRAWN	L.A.N.
TRACED	R.J.P.
DATE	JULY '79
SCALE	1:10000.
DRAWING No.	M.L.P. 149

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Copy 1.

2810