

RENISON LIMITED

493001

D459  
**OPEN FILE**

**MICROFILMED**

MT. LINDSAY AREA

(E.L. 2/63 AND E.L. 18/73)

DIAMOND DRILLING PROPOSAL

SUMMER 1975-76

C.C. Tas. Mines Dept.  
Cominco  
C.G.F.A.

*L.A. Newnham*  
By: L.A. Newnham,  
Chief Geologist  
Renison Limited

22nd October, 1975.

MAPS ATTACHED

- A. Area 1:5000 Contour Map showing all proposed work.
- B. D.D.H. 34 Section.
- C. Mt. Lindsay Mine Area 1:2000 plan.
- D. Main Ore Zone 1:1000 Projection and Sections of D.D.H.'s 35,36.
- E. No. 2 Anomaly 1:1000 Projection.
- F. D.D.H. 37 Section.
- G. D.D.H. 38 Section.
- H. D.D.H. 39 Section.

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1. SUMMARY

During the 1975-76 summer, it is proposed to diamond drill a minimum 5 holes in the Mt. Lindsay Area. A 6th hole may be justified.

Four of these holes totalling 1300m are to be drilled on E.L. 2/63 and one (350m) on E.L. 18/73.

The drilling, drill site road construction, and associated support items are budgetted to cost \$80,000 on E.L. 2/63 and \$20,000 on E.L. 18/73.

The program, involving 2 drill rigs, will commence in November and hopefully conclude in late February.

Attached is a variety of plans, sections and longitudinal projections which illustrate the proposed holes.

All the proposed holes and road development are shown on Map A.

.../2

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### 2. PROPOSED D.D.H. 34

This is a 350m hole, falling within E.L. 18/73 on Mt. Lindsay Grid Line 13 at 50m S<sub>1</sub> (collar). Refer attached Map B.

It is designed to test a very strong I.P. - conductivity anomaly coincident with moderate magnetic and As geochemical anomalies. These anomalies occur over a sequence of rocks which are directly equated with the Renison Mine sequence (i.e.) Red Rock, carbonates etc.

Only a small amount of site preparation and access development will be required.

### 3. MT. LINDSAY MAIN ORE ZONE DRILLING

Two holes D.D.H. 35, D.D.H. 36, are designed to test the Main Ore Zone in depth.

Refer attached Maps C and D.

This Ore Zone is regarded as a thick, classic skarn, and justifies continued drilling, (both this year and in future years) on a broad pattern over its full strike and dip extents. So far, the Aberfoyle drilling has tested it over 600m strike and approx. 100m dip. There is strong evidence to suggest that it extends for at least 3000m along strike.

Both the above holes will also intersect the No. 1 Anomaly.

### 4. NO. 2 ANOMALY DRILLING: D.D.H. 37

This 300m hole will test the easterly extension of the No. 2 Anomaly Zone at depth.

Refer to Maps C, E, F.

As with the Main Ore Zone, this is regarded as a broad, classic skarn, and the same remarks about potential apply.

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### 5. PROPOSED D.D.H. 38

This 350m hole is designed to test a very strong and coincident magnetic and As anomaly which may represent the eastern extension of either the No.1 Anomaly or the Main Ore Zone.

Refer Maps C, G.

### 6. POSSIBLE ANOMALY "A" DRILL HOLE

Anomaly A is a wide, extremely conductive and highly chargeable zone with sporadically associated geochemical soil anomalies. It may be a "stratigraphic anomaly" (e.g.) carbonaceous shale.

It is thus proposed to develop an access road to a drill site on Line 5, in such a manner as to cut across the anomalous zone. If the road doesn't expose an obvious stratigraphic source of the anomaly then it is recommended that D.D.H. 39 (350m) should be drilled if the budget can stand it.

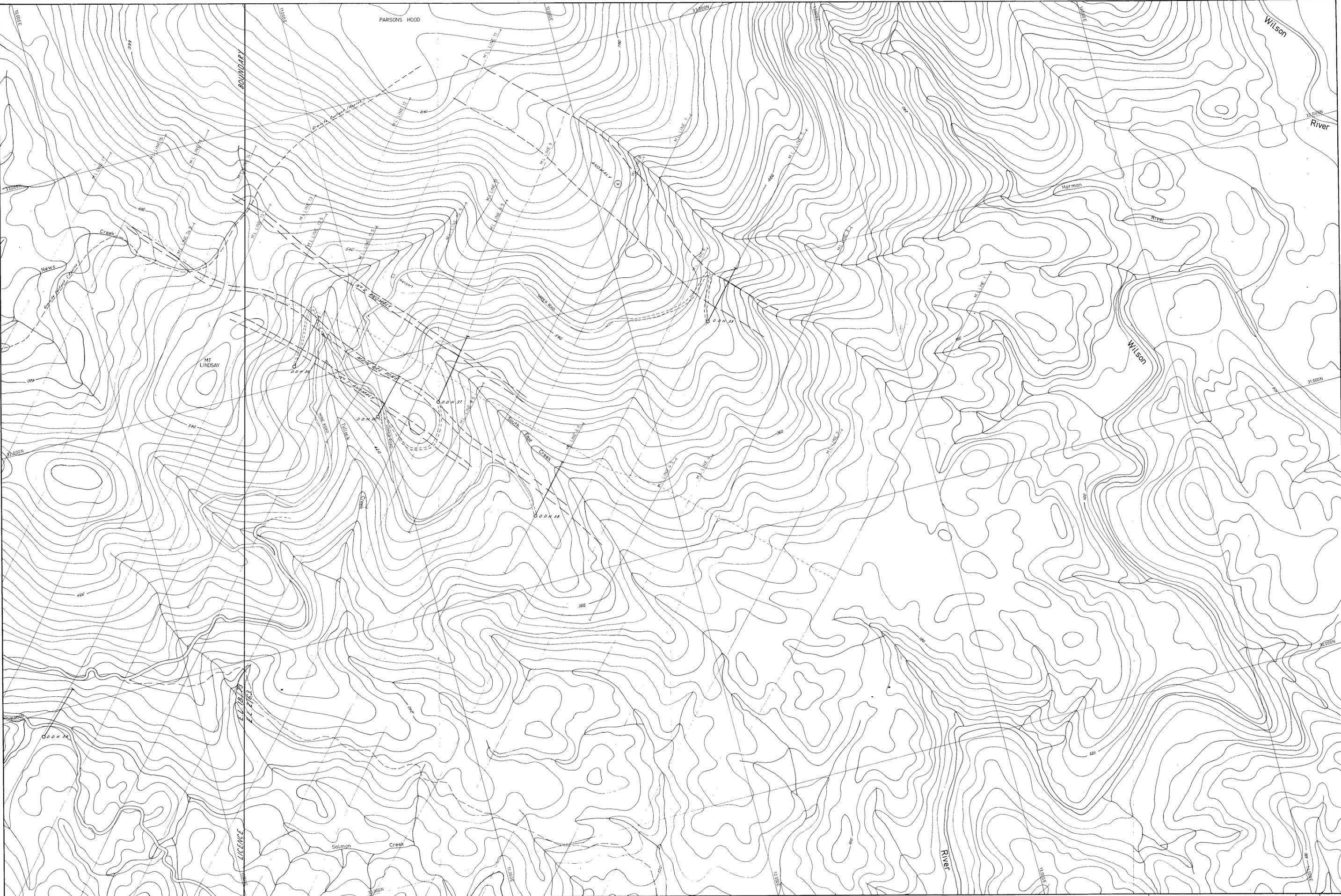
Refer Maps G and H.

.../4

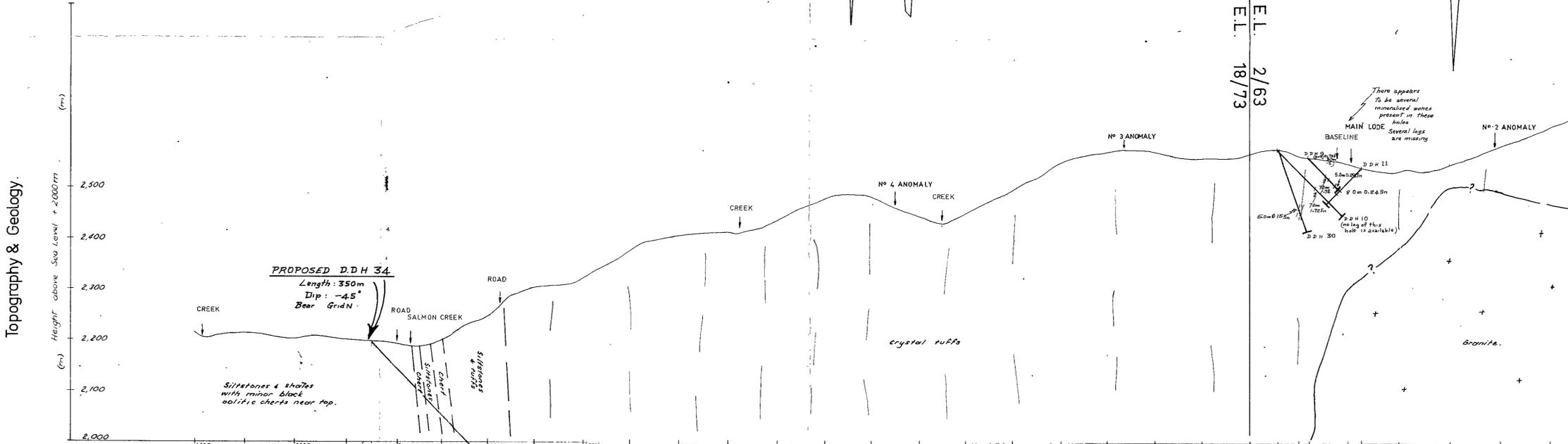
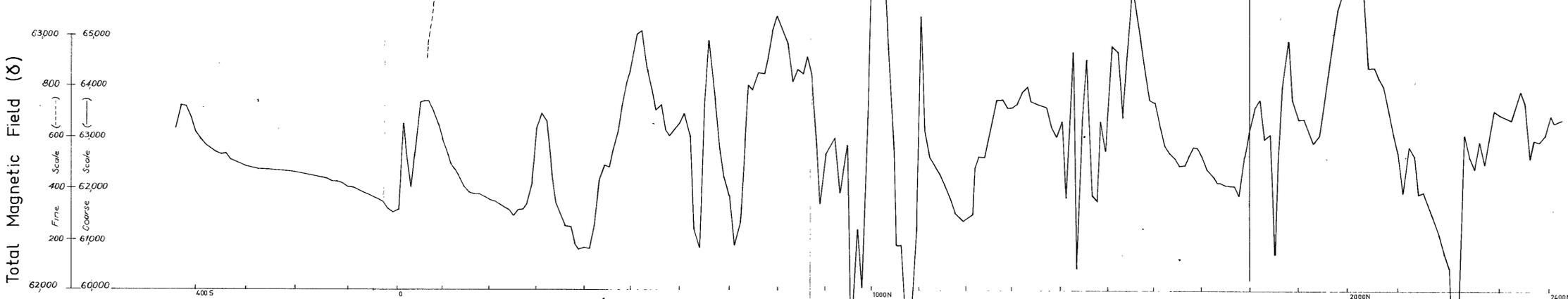
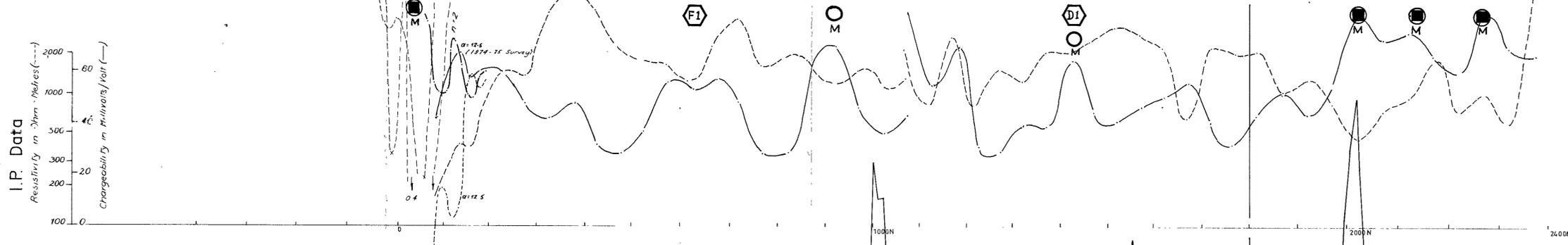
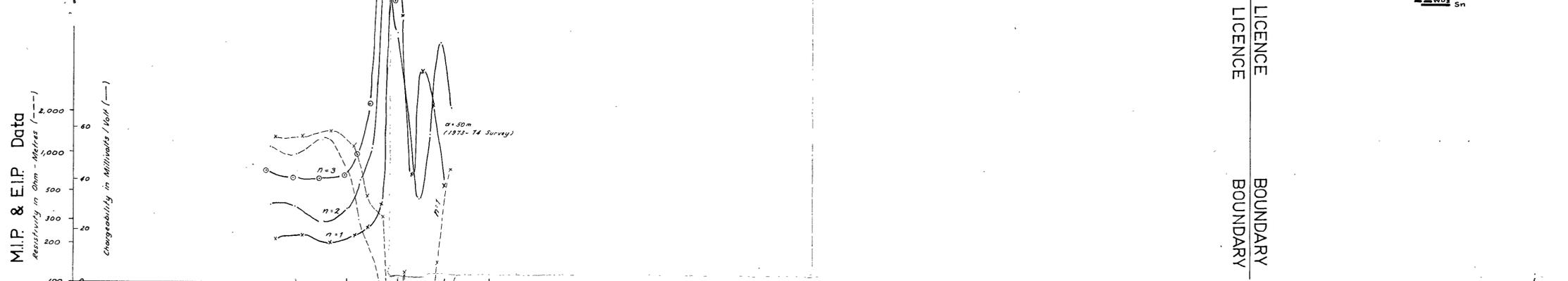
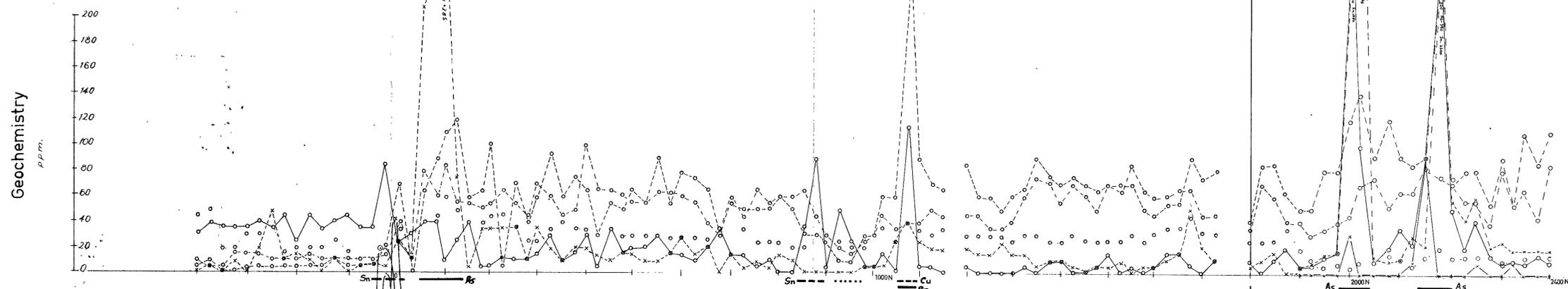
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7. BUDGET

	<u>E.L. 18/73</u>		<u>E.L. 2/63</u>
Drilling (350m):	\$14,000	(1300m)	\$52,000
Site Preparation: (Moving etc.)	1,500		12,000
Salaries (Geologist, : Survey etc.)	1,500		5,000
Assay:	200		1,000
Consumables:	800		3,000
Contingencies:	2,000		7,000
(Extra meterage etc.) :			(Additional roads D.D.H.39 etc.)
	<hr/>		<hr/>
TOTALS:	\$20,000		\$80,000



RENISON LIMITED 75-1127		DRAWN	L.A.H.
CORINNA D3/2		TRACED	L.A.C.
MT LINDSAY PROJECT		DATE	06/73
(EL 2/63 EL 18/73)		SCALE	1:5000
PROPOSED DRILLING PROGRAM - SUMMER '75/76		DRAWING No.	A.
SCALE: 1:5000 METRES			



REINSON LIMITED 75-1127  
 E.L. 18/73  
 MT. LINDSAY GRID.  
 LINE M.L. 13

DRAWN	RRS
TRACED	FAC
DATE	MAY 74
SCALE	1:5000
DRAWING No.	

**B.**

SCALE: 1:5000 METRES

Chargeability: 5000 & Scale

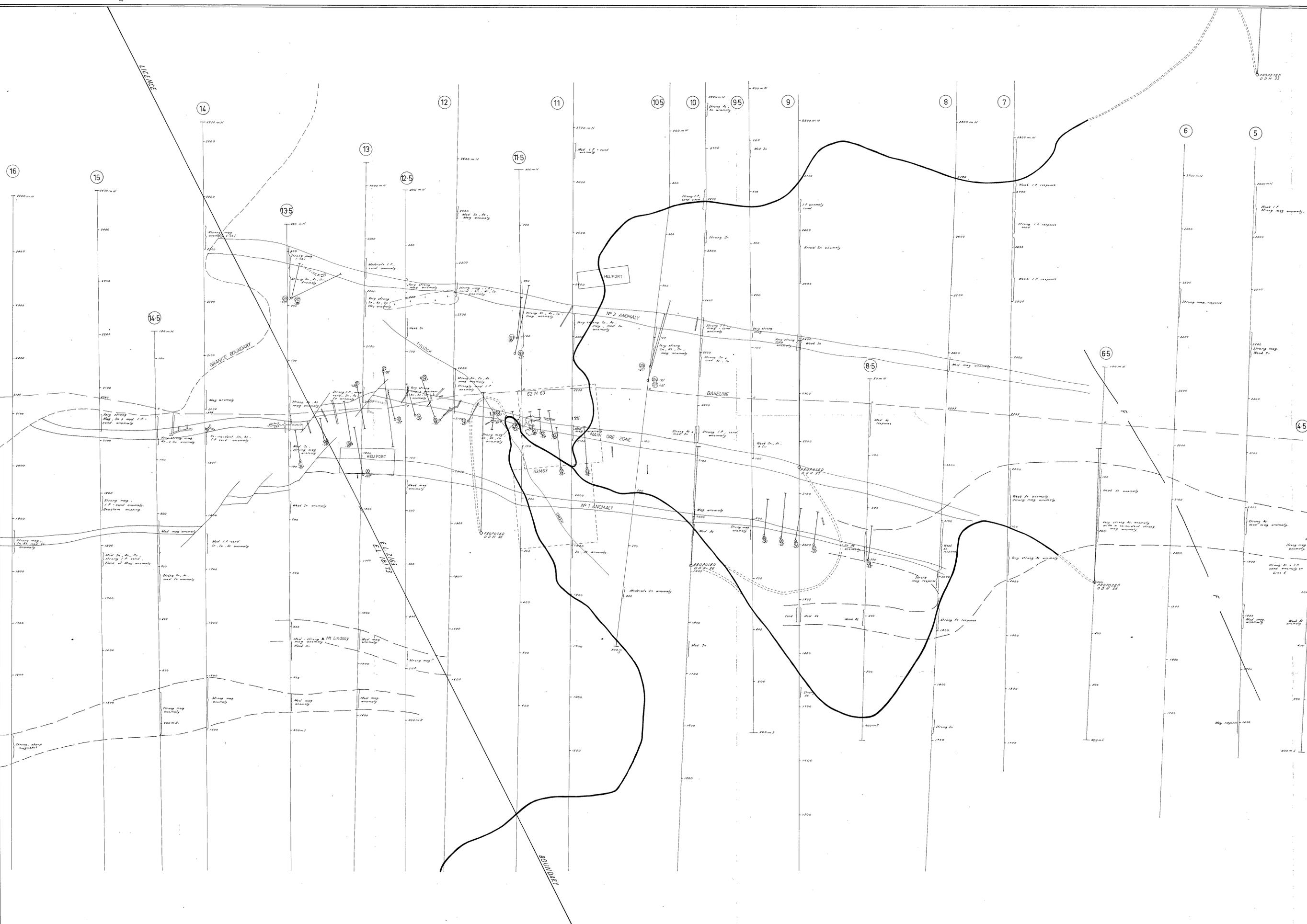
Resistivity: 1000 & Scale

GEOCHEMICAL ANOMALIES:  
 Sn ——— Strong  
 Sn - - - - Medium  
 Sn ..... Weak

CHARGEABILITY ANOMALIES:  
 ● Strong  
 ■ Moderate  
 ○ Weak

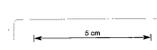
ANOMALIES DEFINED BY J. IRVINE (JULY 1976) AS HAVING A HIGH GEOPHYSICAL PRIORITY BECAUSE OF COINCIDENT MAGNETIC, I.P. AND CONDUCTIVITY RESPONSE. ALL BARRS ARE NEAR VERTICAL AND SOME NEAR TO SURFACE.

5 cm

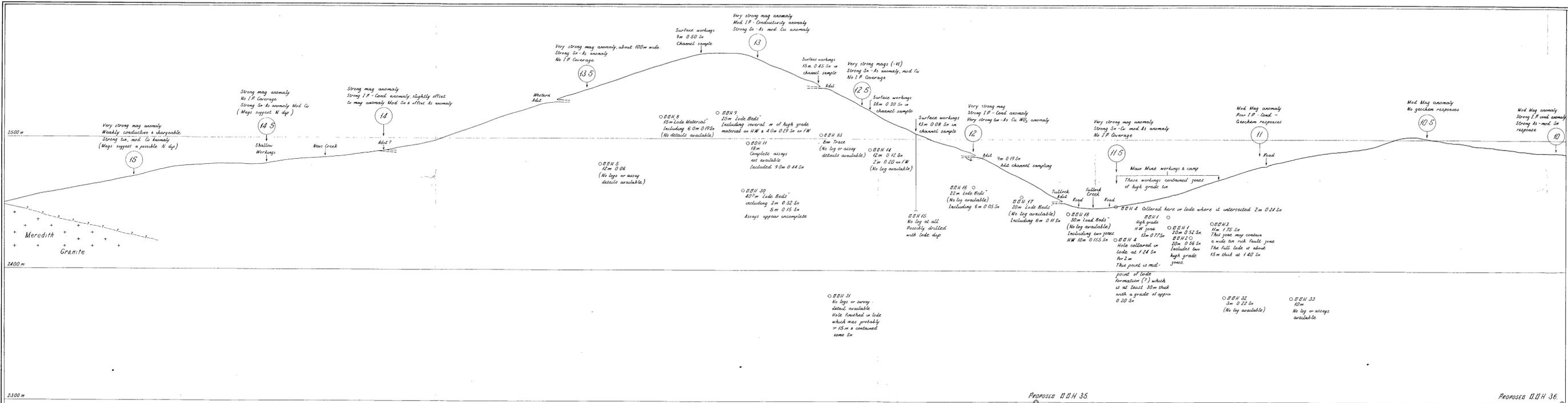


**KEY**

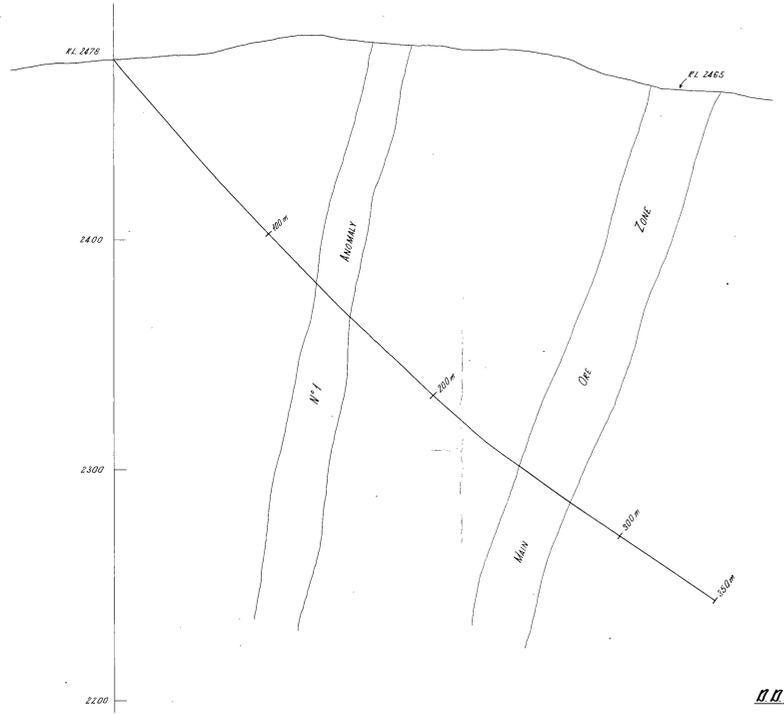
- Road
- - - Proposed Access Road
- Proposed Diamond Drill Hole
- Drill Log



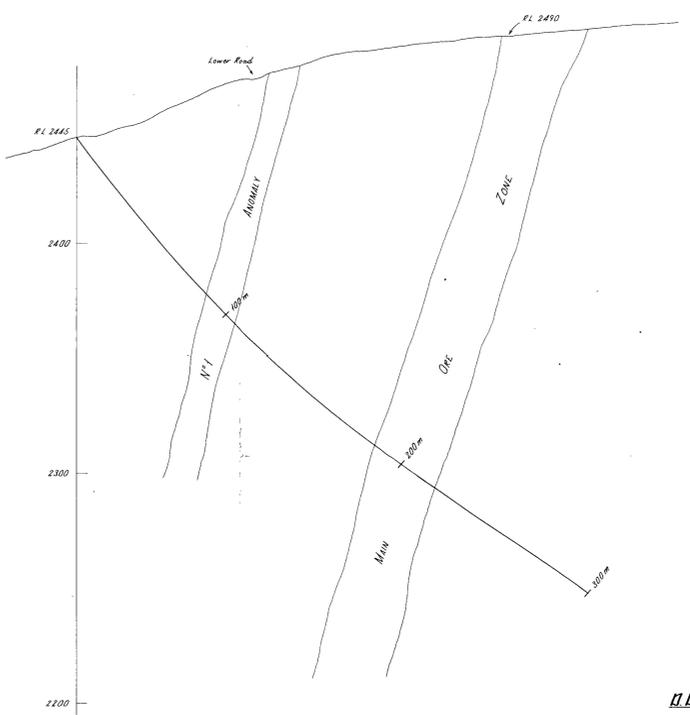
RENISON LIMITED		75-1127
MT. LINDSAY MINE AREA		
GEOLOGIST	Z. J. N.	SCALE 1:2000 METRES
DRAUGHTSMAN	A. J. C.	
DATE	AUG '75	
REVISIONS		DRAWING NO. (C)



**Mt. LINDSAY MAIN LODE.**  
1:1000 LONGITUDINAL PROJECTION.



**D.D.H. 35.**



**D.D.H. 36.**

**PROPOSED DRILL HOLE SECTIONS**  
SCALE: 1:1000.

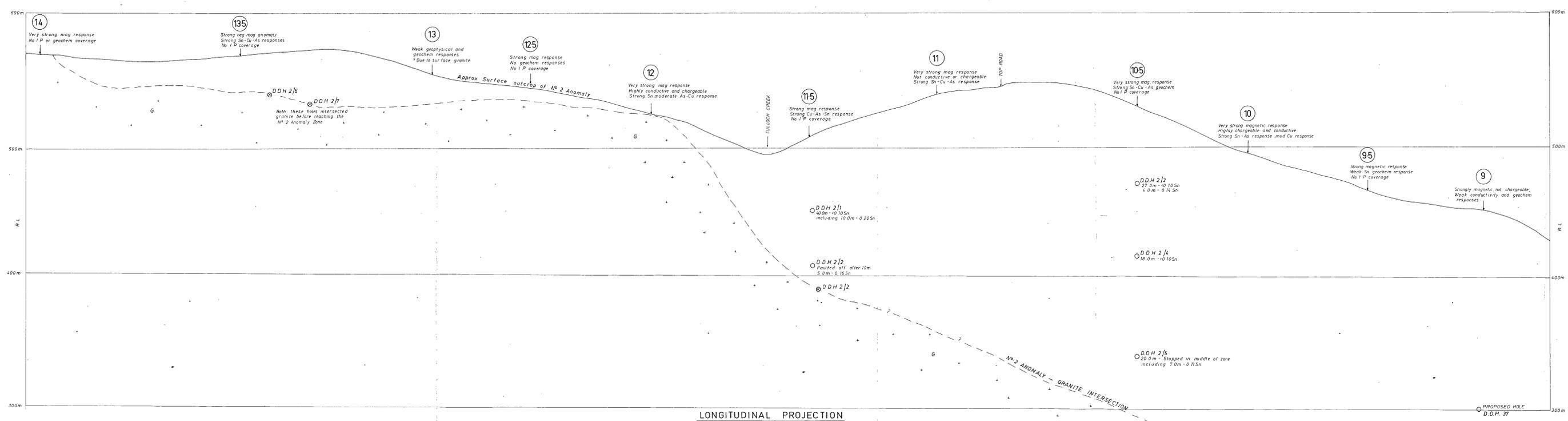
**D.D.H. 35 & D.D.H. 36.**

TWO PROPOSED DIAMOND DRILL HOLES, PRIMARILY DESIGNED TO TEST THE MAIN ORE ZONE AT DEPTH AS SHOWN, THEY WILL THUS ALSO TEST THE N°1 ANOMALY ZONE

- NOTES
1. PROJECTION LOOKS N.E. & APPROX PARALLELS THE ORE ZONE
  2. SECTIONS LOOK N.W.
  3. THE DRILL HOLES WERE COMPLETED BY ABERFOLE BETWEEN 1963-69. ALL SURVEY DATA SHOULD BE REGARDED AS APPROX ONLY. ASSAY DATA & LOGS WERE GENERALLY NOT AVAILABLE.

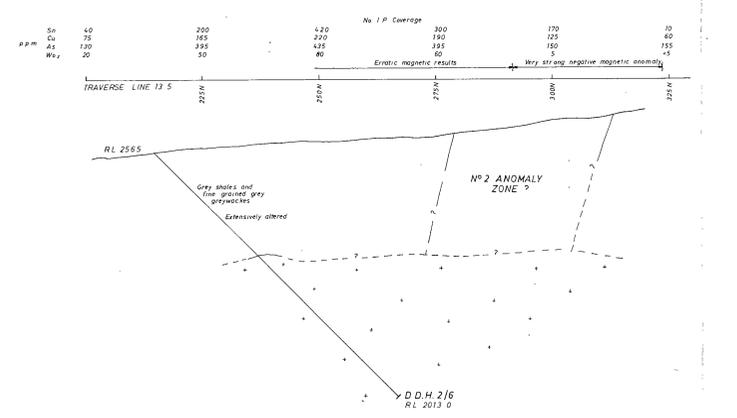
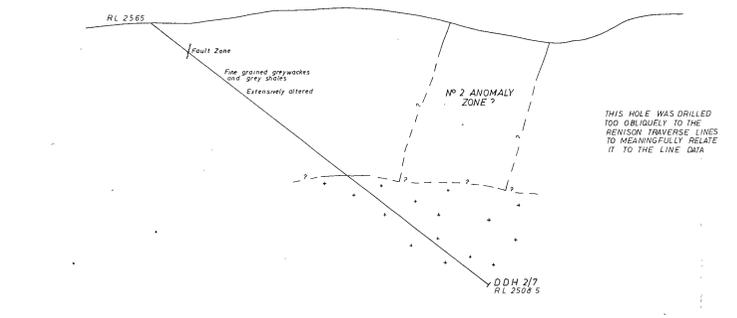
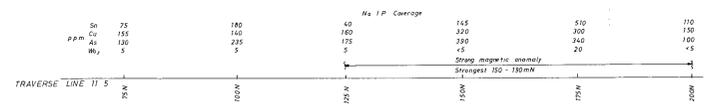


RENISON LIMITED 75-1127  
**Mt. LINDSAY MINE AREA**  
**MAIN ORE ZONE**  
**DIAMOND DRILLING RESULTS.**  
 GEOLOGIST: J. G. [Signature] SCALE 1:1000 METRES  
 DRAUGHTSMAN: S. H. [Signature]  
 DATE: 22-10-75  
 REVISIONS:  
 DRAWING No. **M.L. 3 (D)**

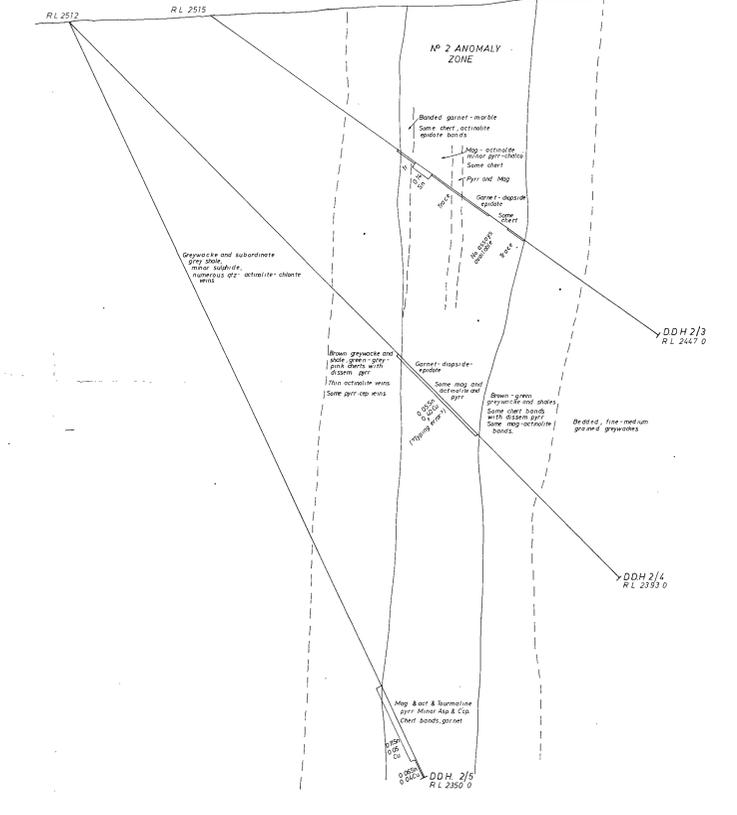
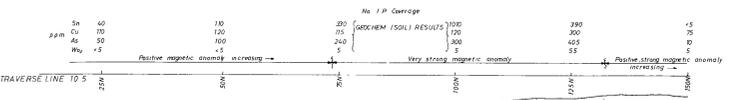


**LONGITUDINAL PROJECTION**  
(LOOKING NE AND PARALLEL TO ANOMALY ZONE.)  
1:1,000

DDH LOCATIONS ARE CENTRE OF ANOMALY ZONE INTERSECTIONS  
THICKNESSES SHOWN ARE TRUE THICKNESSES



**DRILL HOLE SECTIONS**  
(LOOKING NORTH)  
1:500



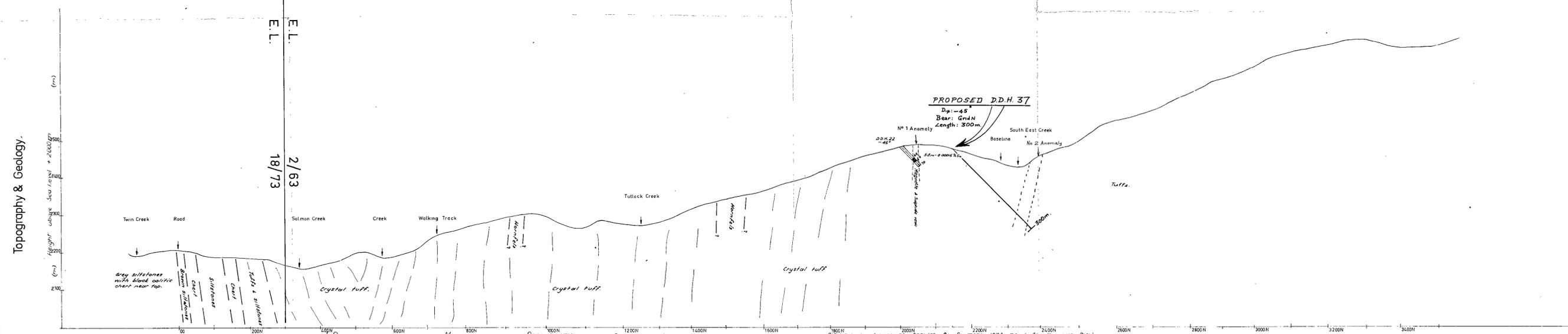
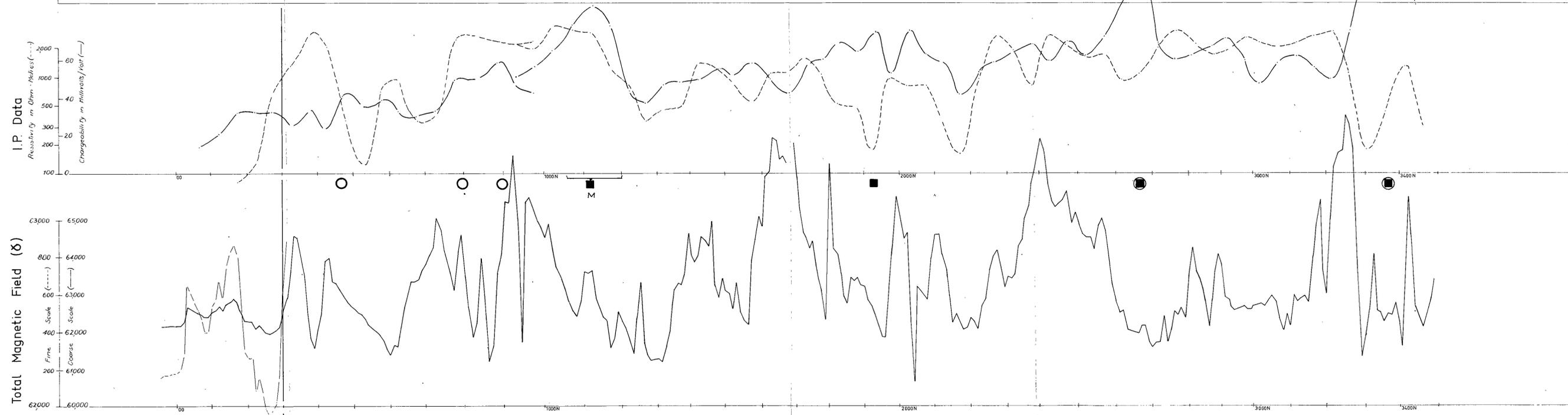
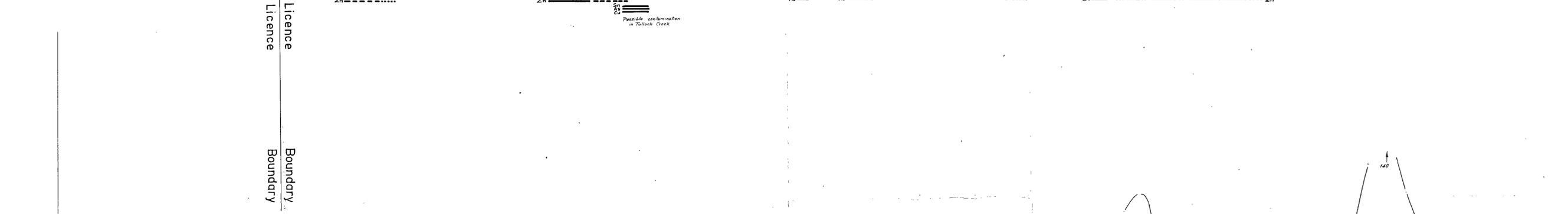
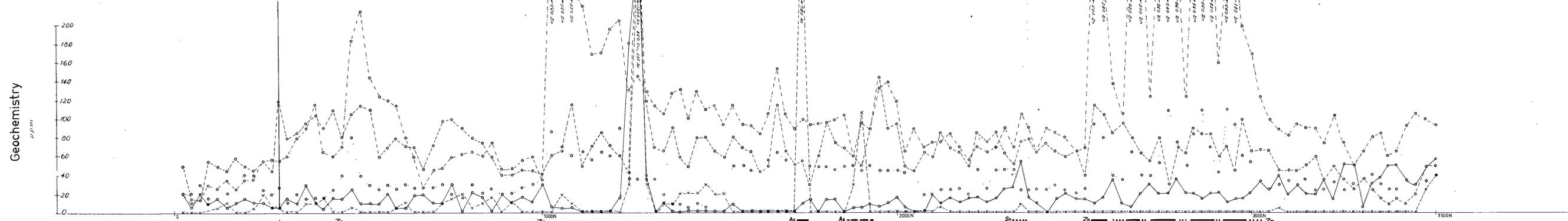
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**MT. LINDSAY PROJECT**  
**No. 2 ANOMALY**  
**DIAMOND DRILLING.**

GEOLOGIST: E.A. Morrison  
DRAUGHTSMAN: J.L. Brown  
DATE: Oct '75

SCALE 1 METRES AS SHOWN

DRAWING No. M.L. 2 (E)



REINSON LIMITED 75-1127

E.L. 2/63  
MT. LINDSAY GRID  
LINE M.L.9

SCALE: 1:5000 METRES

DRAWN	
TRACED	
DATE	
SCALE	1:5000
DRAWING No.	

**F**

**CHARGEABILITY**

—○—○—○— Chargeability, 5000 & Scale

—○—○—○— Resistivity, 1000 & Scale

**MAGNETICS**

—○—○—○— Strong

—○—○—○— Medium (Element referred to shown beside symbol)

—○—○—○— Weak

**GEOCHEMISTRY**

○—○—○— Zn

○—○—○— Cu

○—○—○— Pb

○—○—○— As

○—○—○— W

**CHARGEABILITY ANOMALIES**

● Strong

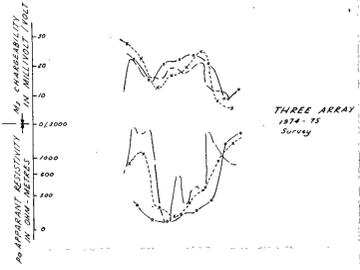
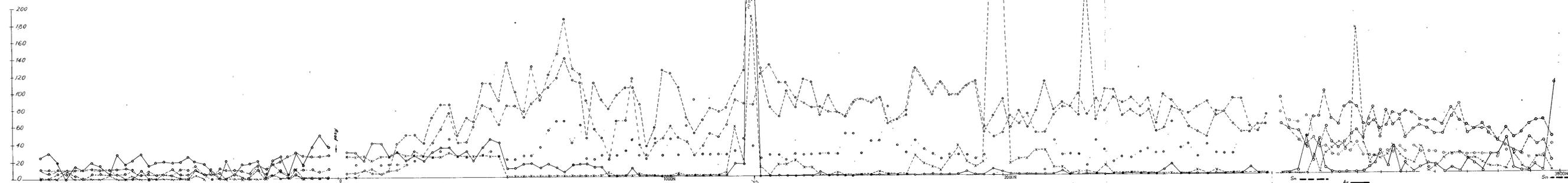
■ Moderate

○ Weak

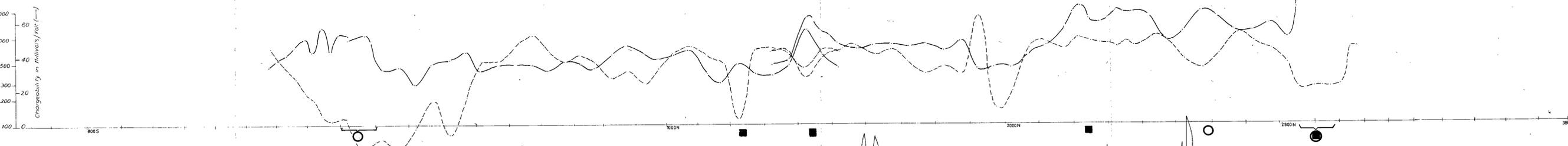
M = Coincident Magnetic Response

5 cm

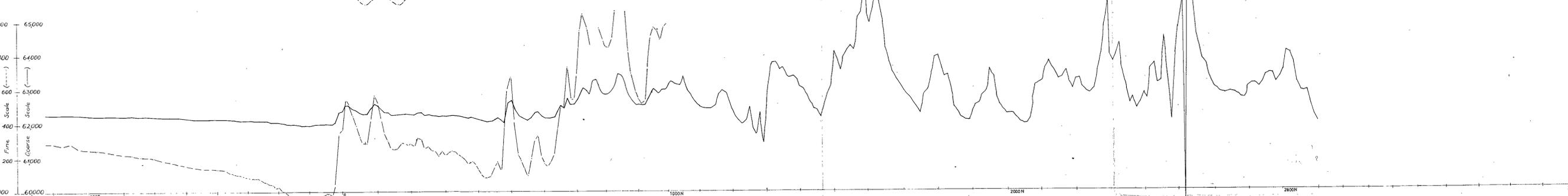
Geochemistry



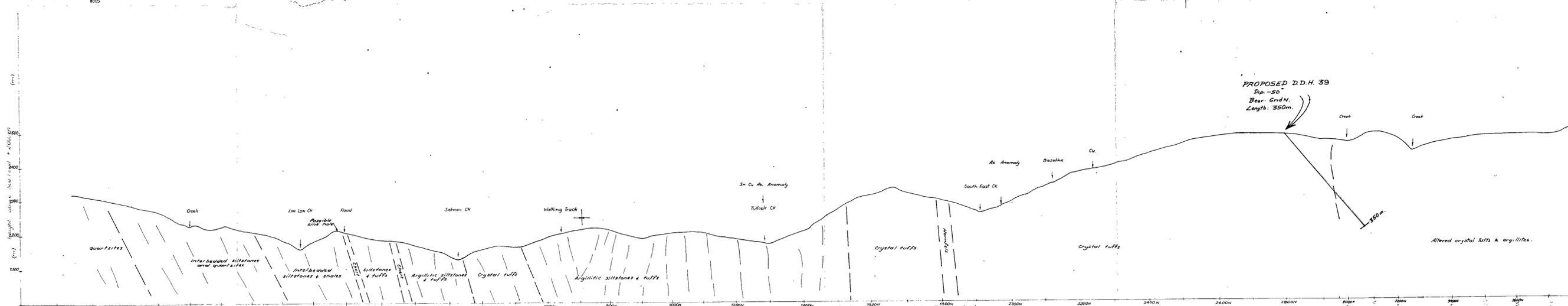
I.P. Data



Total Magnetic Field (δ)



Topography & Geology



RENISON LIMITED 75-1127  
 E.L. 2/63  
 MT. LINDSAY GRID.  
 LINE M.L. 5.

DRAWN	H.R.S.
TRACED	
DATE	AN 1974
SCALE	1:5000
DRAWING No.	

SCALE: 1:5000 METRES

H.

**CHARGEABILITY**

5000 & Scale

1000 & Scale

**GEOCHEMISTRY**

Sn ——— Strong

Cu ——— Medium

Pb ——— Weak

Zn ———

As ———

W ———

**GEOPHYSICAL ANOMALIES**

Sn-Cu-A Anomaly

Chargeability Anomalies

Strong

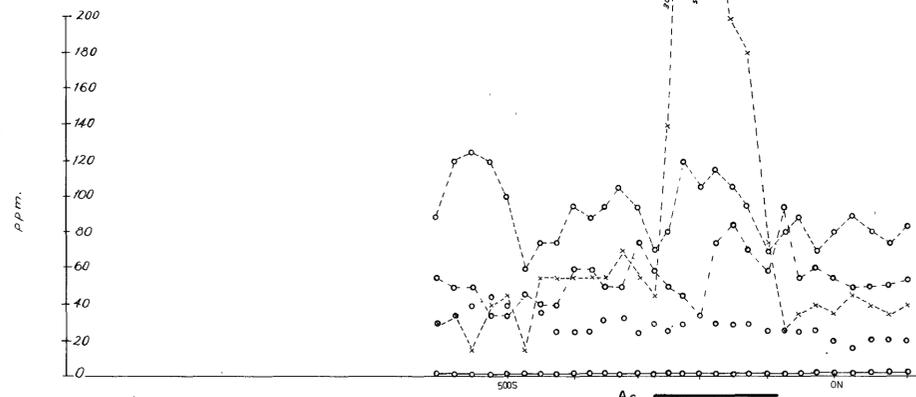
Medium

Weak

M = Correlative Magnetic Response

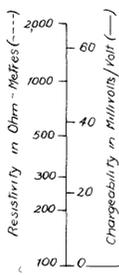
5 cm

Geochemistry

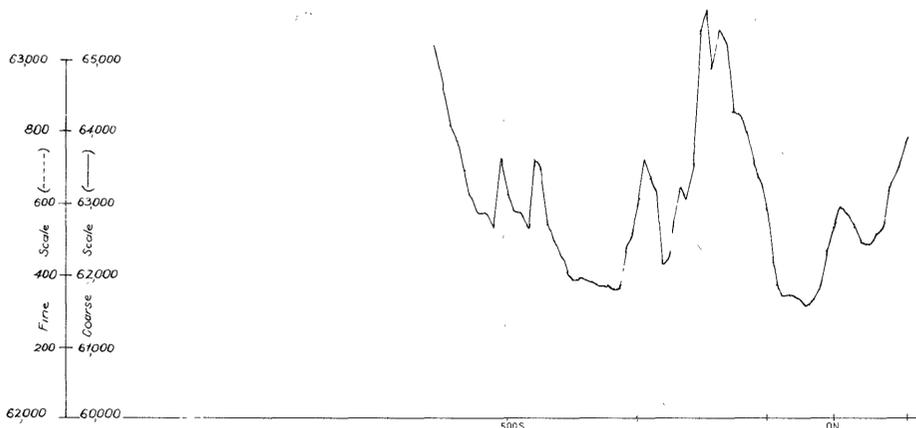


As

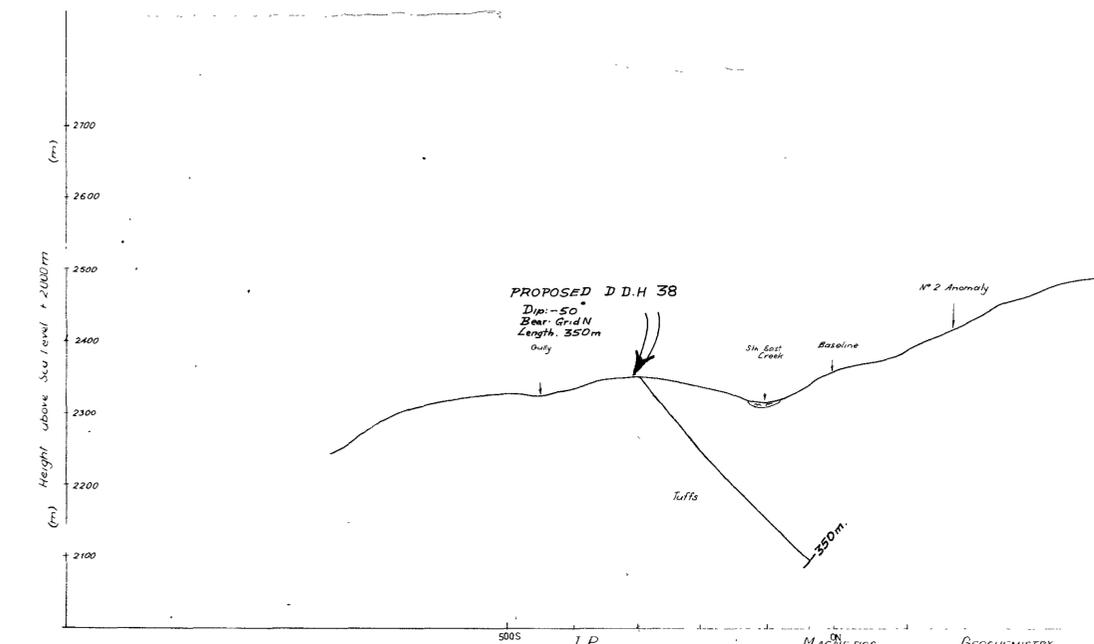
I.P. Data



Total Magnetic Field (δ)



Topography & Geology



RENISON LIMITED 75-1127

E.L. 2/63.  
MT. LINDSAY GRID  
LINE M.L. 6-5.

SCALE: 1:5000 METRES

DRAWN	P.K.S.
TRACED	
DATE	May 1975
SCALE	1:5000
DRAWING No.	

G

IP  
Chargeability  
Resistivity

MAGNETICS  
5000 δ Scale  
1000 δ Scale

GEOCHEMISTRY  
○ Sn  
○ Cu  
○ Pb  
○ Zn  
x As  
x W

GEOCHEMICAL ANOMALIES  
Sn ——— Strong  
Sn - - - - - Medium  
Sn ..... Weak  
(Element referred to shown beside symbol)

