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REF. NO.				

65-386

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP

MICROFILMED

INTERIM REPORT

on

MT. LINDSAY PROSPECT

Zeehan, Tasmania

by

J. K. Couper

1st March, 1965

Accompanying Report:

- 1 Geological and Topographical Map 1" = 100'
- 2 Longitudinal Projection 1" = 100'
- 3 Regional Geological Plan 1" = 100'
- 4 Preliminary Plan of Vertical Magnetic Intensity..... 1" = 200'

Copy No.

Summary of Drilling

Drilling accomplished at 1.3.65:

DH 30	560'	Complete
DH 14	297'	"
DH 15	302'	"
DH 31	400'	In progress
DH 16	93'	"
	<hr/>	
	1652'	
	<hr/>	

Drilling remaining for completion of programme, see Schedule dated 4th November, 1964.

DH 31	50'
DH 16	167'
DH 32	500'
DH 33	500'
DH 17	220'
DH 18	220'
	<hr/>
	1657'
	<hr/>

Summary of Original Programme

For completion by 1.3.65.

DH 30	550'	Complete	21. 1. 65
DH 31	450'	"	
DH 32	500'	"	
DH 14	300'	"	15. 1. 65
DH 15	300'	"	15. 2. 65
DH 16	260'	"	
DH 17	220'	"	
DH 18	220'	"	
	<hr/>		
Total	2800'		
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Footage remaining as scheduled:

DH 33	500'
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Discussion of Results

Please refer 1" = 100' Plan No. A63
and 1" = 100' Long Section No. A65

Hole 30 intersected two zones of mineralisation which realized low values, the result is comparable with that of Hole 8. It is thought that Holes 8 and 30 have intersected the lower grade western margin of Zone 2, though this does not rule out the possibility of intersecting better values to the west.

Hole 31 has not as yet intersected lode. This hole is planned to intersect the easterly margin of Zone 2.

Hole 14 intersected lower values than surface results, the lower section of the hole intersected a fault and the data is not conclusive.

Hole No. 15 No assay results as yet; two small intersections, the mineralisation is not encouraging.

Hole No. 16 In progress. This hole has intersected mineralisation which appears stronger than that in holes 14 and 15.

Other Work PlannedMagnetic Survey

A magnetic survey was planned to test the granite contact between Mt. Lindsay and the Stanley Reward areas. The accompanying preliminary plan shows the main area of interest revealed by the survey. The results indicate three anomalies, two of which (at 2000'E) are greater than 10,000 gammas, and which in magnitude are comparable to the Mt. Lindsay ore body. No surface outcrop has been located as yet, however, there are numerous trenches traversing the areas cut by prospectors. These trenches are in gravel and rock detritus deposited by the creek which traverses the area.

The grid will be extended and closer lines will be cut to properly delineate the anomalies, and to facilitate mapping.

Regional Geological Mapping

This work was carried out by T. P. Hopwood - Structural Geologist, the report is now in preparation.

Recommendations

It is recommended that the original programme be continued as the drilling proposed is to test the more easterly sections of the ore zone. However, at the present rate of progress this programme will not be complete by the end of March 1965. To complete, this programme would continue to at least the end of April 1965.

March 1st to March 31st

DDH 31		complete
DDH 16		complete
DDH 32	500'	complete or 400' in progress
DDH 17	220'	complete

Holes 33 & 18 would remain undrilled
at 31st March.

Conclusions

Drilling progress is slow; to March 1st total footage is 1148' behind schedule. The programme will not be complete by March 31st as planned, however, weather and operating conditions indicate that it could be near to completion if a decision is made to continue through April.

Results from drilling so far are not satisfactory, however, their worth should not be assessed until the programme is complete.

J. K. Couper

Mt. Lindsey
1st March, 1965

ABERFOYLE TIN DEVELOPMENT PARTNERSHIPMEMORANDUM TO:

The Partnership Committee

Copy to J. L. Morton,
C. R. Parish,
J. K. Couper
Director of Mines,
E. R. Glasson

RECEIVED	6 APR 1965
1701/65	

FROM:

A. A. C. Mason

SUBJECT:

Mount Lindsay Prospect

Attached hereto for your information is a copy of Interim Report on Mount Lindsay Prospect by J. K. Couper, dated March 1, 1965.

Since the report was prepared the following progress has been reported:-

1. D.D.H. No. 31.

Entered lode from the footwall side at 552' and was still drilling in a fair amount of mineralisation at 588'. Where entered, the lode was comprised of heavy magnetite, pyroxenite and some pyrhotite.

2. D.D.H. No. 16.

Completed at 216'. Lode intersected between 92' - 192'. The lode in this intersection was comprised of magnetite, pyroxenite and sulphides, heavily mineralised with pyrhotite and chalcopyrite towards the footwall.

3. D.D.H. No. 17.

Commenced and advanced to about 20'.

The schedule for this summer's programme of drilling provided for completion and withdrawal from the area about the end of March. Because of poorer drilling progress than was expected this will not be possible but every effort is being made to complete the programme even if it means keeping the men in the area until early May. This presupposes leaving the Contractor's drilling equipment on the field on a monthly standing charge of £100 per month until we can recommence drilling or withdraw the equipment, whichever appears desirable.

Whilst some negative results have emerged from the 1964-65 summer's drilling programme and it seems unlikely that the target of 2,000,000 tons grading 0.8% Sn., will be indicated by the time the programme is discontinued, other results and the data generally gained are such that the prospect could not safely be abandoned at this stage and further testing

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Page 2.

appears warranted. Moreover, the Stanley Reward deposit, although it appears to be of minor importance because of apparent geologic limitations to its possible size, has not yet been drilled and magnetic dip needle surveys over the sedimentary rocks near the southern granite contact between Mount Lindsay and Stanley Reward have revealed interesting magnetic anomalies aligned on a similar strike to the mineralised lodes at Mount Lindsay. These anomalies, together with the No. 1 and No. 2 Anomaly Zones at Mount Lindsay, undoubtedly merit further attention.

During this summer extensive geologic reconnaissances have been undertaken on the area of the Exploration Licence. The results of these are presently being analysed and compiled in a report. These results are expected to make a worthwhile contribution to our level of knowledge of the area and will yield useful data on the structural and stratigraphic environment of the already known and indicated tin-bearing deposits.

Preparations are in hand for an examination of some workings and their geologic environment at Mt. Merton in the southeastern corner of the licence area between Mount Lindsay and Renison Bell. This is a reported occurrence of cassiterite in association with sulphides and could have some significance.

The foregoing brief review serves to demonstrate that the area is still attractive and the establishment of a profitable tin mine is still possible. It also serves to emphasise the high cost of exploration because of the difficult access.

A. A. C. MASON
MARCH 16, 1965.

Att.:

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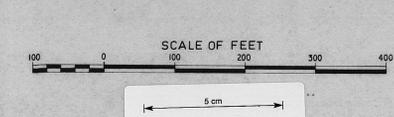
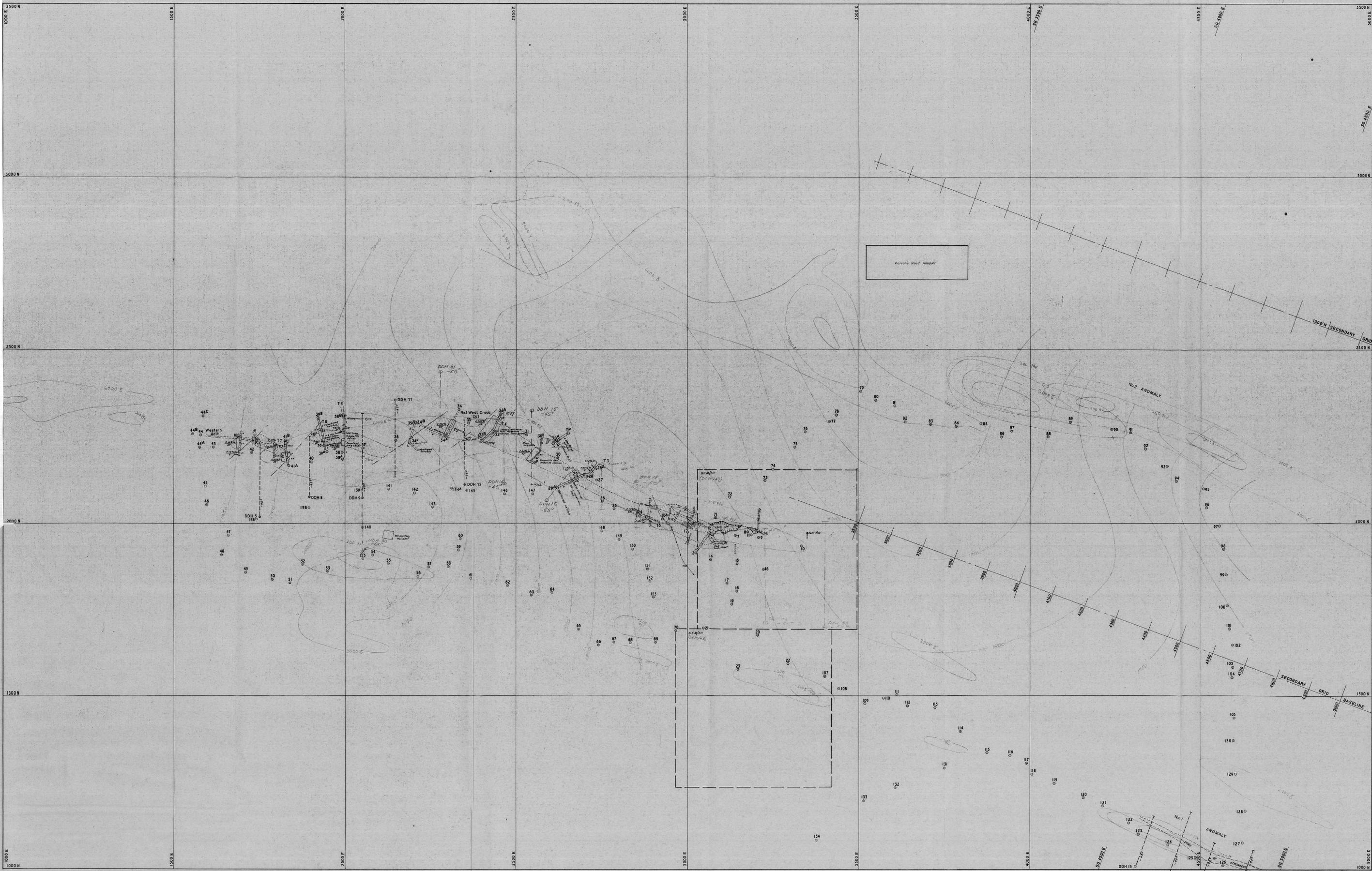
I hereby declare that, to the best of my knowledge, the following represents a true and reasonable apportionment of the expenditure on the Mount Lindsay E.L. 2/63 to November 30, 1964.

253008

ANALYSIS OF EXPENDITURE FOR MONTH ENDING February 28, 65
C. R. Parish Secretary.

No.	Description	36	9	2	1554	6	7
1.	Technical Salaries and Wages						
3.	Sampling Supervision				15	-	-
4.	Wages				6421	7	11
5.	Outside Technical Services				1034	7	4
6.	Geological Mapping				650	19	5
7.	Travelling - Accommodation				1880	15	9
8.	" " Advance						
11.	Contract Drilling				2262	8	9
12.	Building				54	10	-
13.	Asst. and Sampling				309	1	-
15.	Ore Dressing Investigation						
16.	Vendor/Donation Payments						
21.	Drainage				1698	-	1
22.	Water Maintenance						
23.	Motor Vehicle Expenses				248	-	2
24.	Stores				3649	13	4
25.	Electricity				506	8	10
26.	Phone Hire				22	10	-
27.	Printing				177	9	-
28.	Postage				50	8	5
31.	Expenditure on Taxes, Licenses, etc.				5481	16	7
32.	Water				20	9	6
33.	Coal Construction				87	-	4
34.	Repairs Construction				2138	5	9
35.	Imprest Expense						
41.	Plant Operation - Admin. & Maintenance				1504	6	11
42.	Printing & Stationery				213	14	1
43.	Communication				476	1	10
44.	General Expenses				248	17	4
45.	Legal Expenses				4512	7	-
46.	Insurance				5	5	5
47.	Bank Charges				51	2	10
48.	Expenses						
49.	Pay Roll				122	14	14
55.	Sundry Expenses				22	6	7
58.	Bonds Interest						
59.	Management				997	10	7
60.	Audit				30	-	-
71.	Transfer to Reserve				288	19	5
72.	Transfer to Reserve						
73.	Transfer to Reserve				67	-	-
74.	Transfer to Reserve						

36 9 2 1554 6 7



- LEGEND**
- Banded limonitic gossan
 - Siliceous gossan
 - Earthy limonitic gossan
 - Haematitic gossan
 - More than 50% sulphides. Mostly pyrite and pyrrhotite. Some marcasite and chalcopyrite. May also contain magnetite and hornblende.
 - Fresh hornfels
 - Stoles - may contain decomposed hornfels
 - ▨ Main Ore zone

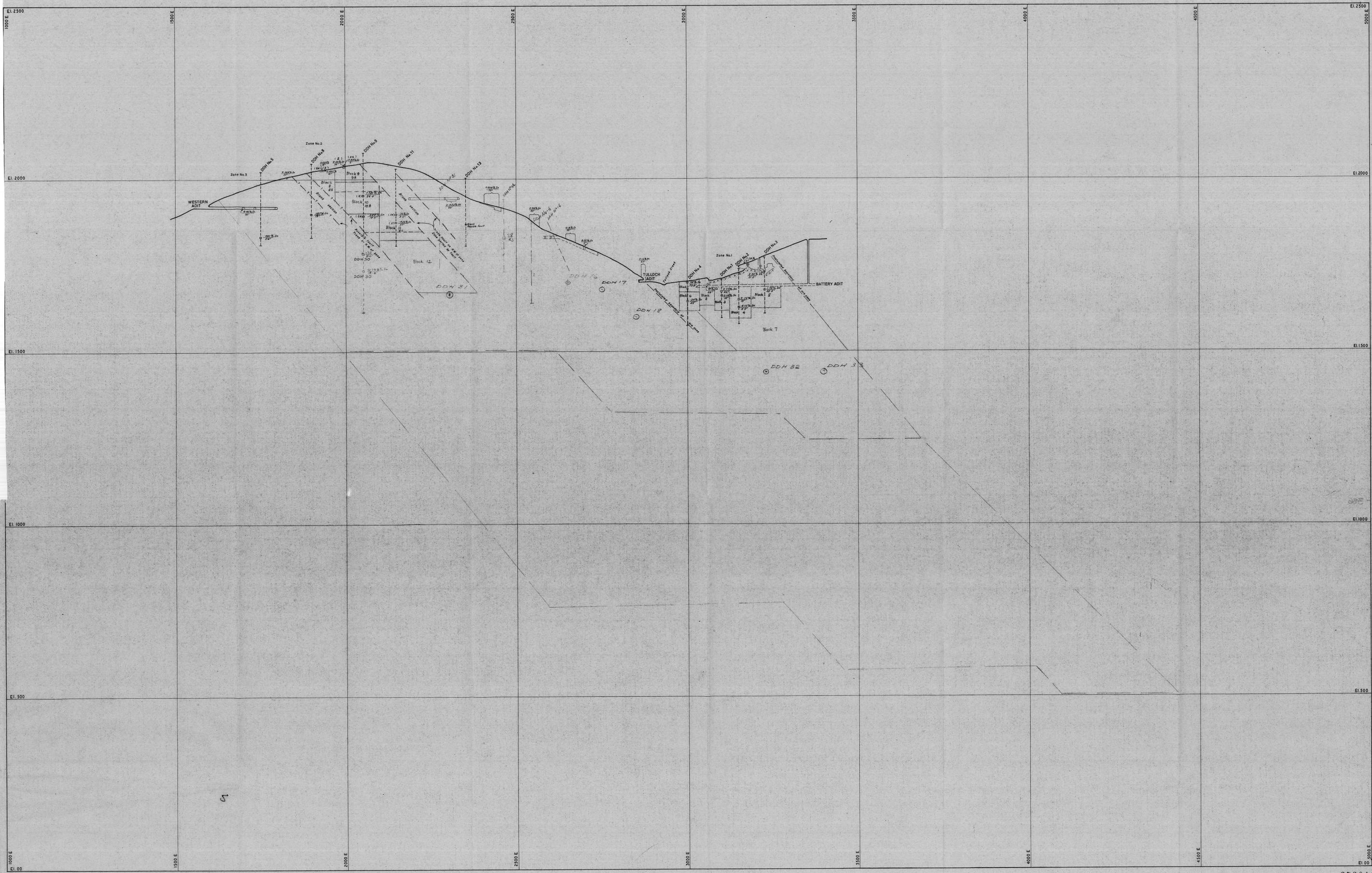
**ABERFOYLE TIN DEVELOPMENT PARTNERSHIP
MT LINDSAY TIN PROSPECT
GEOLOGICAL AND TOPOGRAPHICAL MAP**

- LEGEND**
- Outline of surface opening
 - Outline of underground opening
 - Geological contact position accurate
 - Geological contact position approximate
 - Geological contact position inferred
 - Strike and dip
 - Fault
 - Average assays
 - ⊙ Rio Tinto sampling

Prepared by: J. L. MORTON
of R. HARE AND ASSOCIATES
Drafting by: GEODRAFTING SERVICES
Drawn by: C. J. H. Date: 7/78

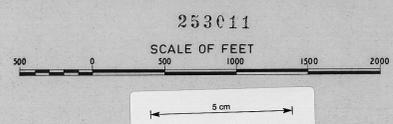
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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP
 MT LINDSAY TIN PROSPECT
 LONGITUDINAL PROJECTION
 LOOKING NORTH

253010
 Prepared by J.L. MORTON
 of R HARE AND ASSOCIATES
 Drafting by GEODRAFTING SERVICES
 Drawn by C.J.H. Date:
 DRAWING NO A.65 3457



LEGEND

VOLCANICS		SEDIMENTS	
7	Granite	1	Mudstone
2	Shales	2	Shales
7	Slates	3	Slates
4	Alluvials	4	Alluvials

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP
MT LINDSAY TIN PROSPECT
REGIONAL GEOLOGICAL PLAN

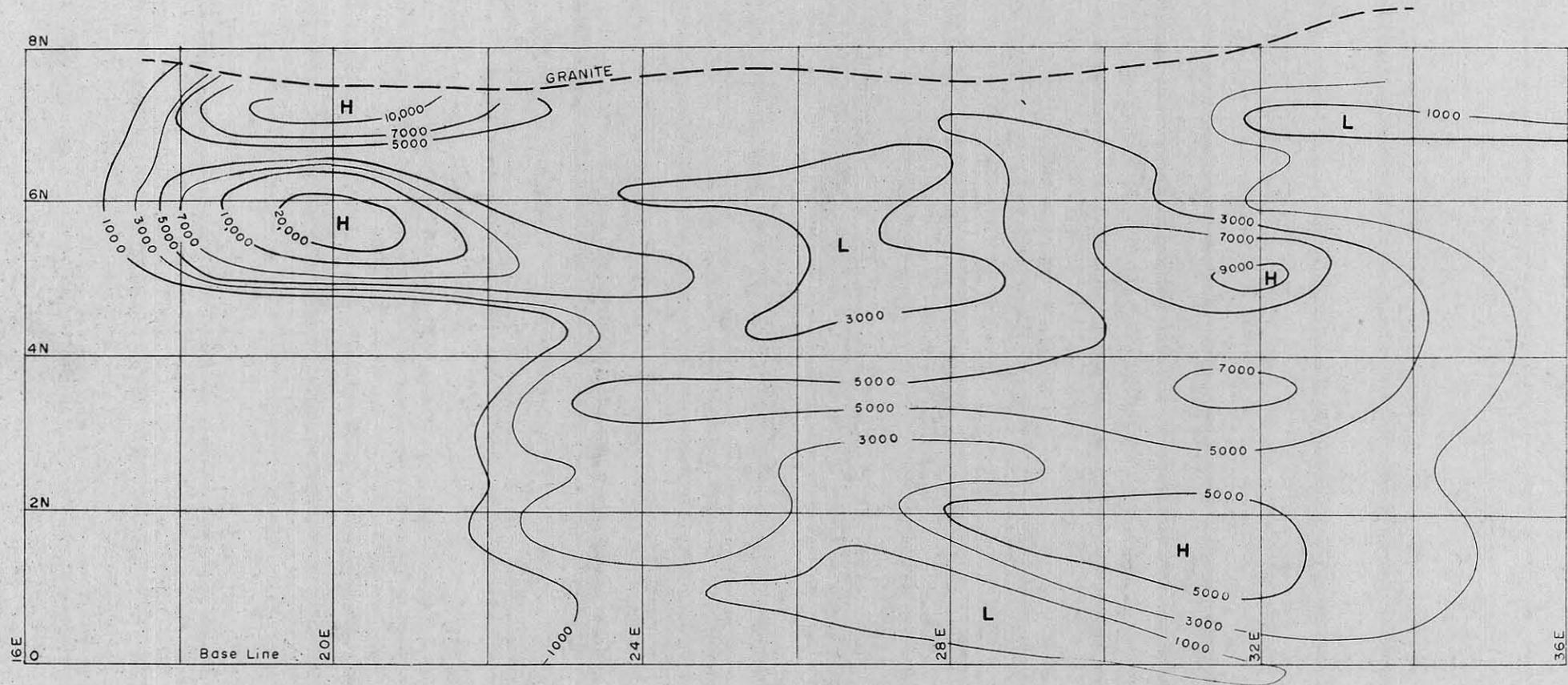
LEGEND

—	Geological contact position accurate	731	Strike and dip
- - -	Geological contact position approximate	---	Fault
.....	Geological contact position inferred	---	Track
-2000-	Contour interval 200 feet		

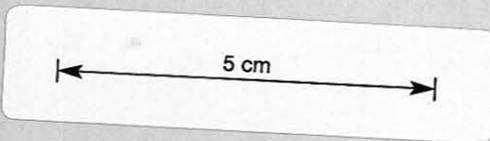
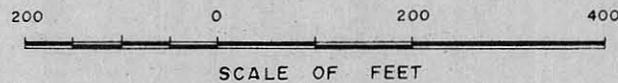
Prepared by: J.L. MORTON
of R. HARE AND ASSOCIATES
Drafting by: GEODRAFTING SERVICES
Drawn by: C.J.H. Date:
DRAWING NO A 117

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MT. LINDSAY PROSPECT
 PRELIMINARY PLAN OF VERTICAL MAGNETIC INTENSITY



Date: 1/3/1965

Prepared by J. K. COUPER
 Drafting by GEODRAFTING SERVICES

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