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**REVIEW OF MT. LINDSAY DIAMOND DRILLING**  
**AND RECONNAISSANCE PROGRAMME**  
**AS AT 19. 3. 1984**

at

**ZEEHAN - CORRINA**  
**Tasmania**

by

**J. L. MORTON**  
**19th March, 1984.**

AMG REFERENCE POINTS ADDED

**Accompanying Report:**

<b>Geological and Topographical Map</b>	<b>Scale: 1" = 100 ft.</b>	<b>A 63</b>
<b>Longitudinal Projection</b>	<b>Scale: 1" = 100 ft.</b>	<b>A 65</b>
<b>Regional Geological Plan</b>	<b>Scale: 1" = 500 ft.</b>	<b>A 117</b>

An index to transparencies that may be referred to in this report will be found in -

- TCR 85-2425
- TCR 85-2427
- TCR 85-2428

S U M M A R Y

2071 feet of diamond drilling has been completed at Mt. Lindsay. Results have been only fair. 550 feet of diamond drilling remains to complete the present programme, which should take five weeks.

About 8000 feet of surveyed line, 22,000 feet of picket line and 25,000 feet of magnetic survey have been completed at Stanley Reward. Two anomalous areas are shown.

REVIEW OF MT. LINDSAY DIAMOND DRILLING AND EXPLORATION  
PROGRAMME AS AT 19TH MARCH, 1964

1. A diamond drilling programme, as set out under "1963-64 Schedule of Diamond Drilling for Mt. Lindsay, Tasmania," dated 25th October 1963, commenced on 20th November 1963.
2. An exploration programme, as set out under "Proposed Geologic Reconnaissance Programme for 1964 - Schedule 6b," dated 11th December 1963, commenced on 17th January, 1964.

1. DIAMOND DRILLING

Six diamond drill holes have been completed and two holes in progress for a total of 2071 feet. 878 feet have been drilled on the Main Ore Zone and 1193 feet have been drilled on No. 1 Anomaly Zone.

The status of the programme is at present approximately six weeks behind schedule, and planned drilling has been exceeded on the No. 1 Anomaly Zone and retarded on the Main Ore Zone. This situation was caused by extremely poor conditions in the Main Ore Zone, but the imbalance is now being rectified by concentrating work on the Main Ore Zone and re-siting holes, where practical, to avoid extreme conditions.

Summary of Drilling

Please refer 100 scale Plan and Longitudinal Section.

Main Ore Zone

Hole No. 5: Collar 2018N; 1753E; El. 2023.  
Brg. 00°; Dip -45°.

Lode Intersections: 0.061% Sn over 54 ft. (true)  
Centre of Intersection: 2207N; 1750E; El. 1832  
Final Depth: 306 ft.

D. D. H. No 8:

Collar 2077N; 1898E; El. 2047.  
Brg. 00°; Dip -51°.

Lode Intersections: 0.187% Sn over 19 ft. (true)  
Centre of Intersection: 2194N; 1900E; El. 1900  
0.134% Sn over 4.5 ft. (true)  
Centre of Intersection: 2213N; 1900E; El. 1879  
0.47% Sn over 2.0 ft. (true)  
Centre of Intersection: 2220N; 1900E; El. 1870  
Final Depth: 276 ft.

D.D.H. No. 9:

Collar 2071N; 2051E; El. 2078  
Brg.  $00^{\circ}$ ; Dip  $-45^{\circ}$

Drilling in progress. Present depth 296 ft.  
Awaiting further information.

No. 1 Anomaly ZoneD.D.H. No. 19:

Collar 1008N; 4309E; El. 1757  
Brg.  $N20^{\circ}E$ ; Dip  $-45^{\circ}$

Lode Intersections: 112.8 to 184.0, occasional  
slight sulphides; very  
occasional trace tin.

Final Depth: 219 ft.

D.D.H. No. 20:

Collar 966N; 4399E; El. 1767  
Brg.  $N20^{\circ}E$ ; Dip  $-45^{\circ}$

Lode Intersections: 44.3 to 197.3, occasional  
trace to slight sulphides;  
occasional trace tin.

Final Depth: 302 ft.

D.D.H. No. 21:

Collar 932N; 4488E; El. 1763  
Brg.  $N20^{\circ}E$ ; Dip  $-45^{\circ}$

Lode Intersections: 122 to 184, trace to slight  
sulphides, very occasional  
trace tin.

Final Depth: 211 ft.

D.D.H. No. 22:

Collar 903N; 4598E; El. 1743  
Brg.  $N20^{\circ}E$ ; Dip  $-45^{\circ}$

Lode Intersections: 98.3 to 205.5, trace sulphides;  
possible trace tin (assay  
details not to hand).

Final depth: 230.5 ft.

D.D.H. No. 29:

Collar (approx.) 750N; 4850E; El. 1665.  
Brg.  $N20^{\circ}E$ ; Dip  $-45^{\circ}$

Lode Intersections: Data not to hand.

Depth: 230 ft., drilling in progress.

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Future Work

Two holes on the Main Ore Zone remain to be completed in the current programme. These are numbers 11 and 13 - please refer to 100 scale Plan and Longitudinal Sections. This work involves about 550 feet of drilling and should be completed in approximately five weeks.

2. STANLEY REWARD EXPLORATORY WORK

Stanley Reward Ore Zone

About 1200 feet of transit survey including accurate location of workings has been completed. Some 200 feet of trenches have been cleaned out in preparation for sampling.

Stanley Reward Geophysical Grid

Approximately 7000 feet of line has been cleared and accurately surveyed. Approximately 22,000 feet of line has been cleared and picketed. Please refer 500 scale Plan, positions approximate only, details not yet to hand.

Magnetic Survey

Approximately 25,000 feet of line has been surveyed for Vertical Magnetic Intensity in the accuracy range of - 140 gammas. Two anomalies have been located. One of these anomalies occurs over an area of gossan outcrop where two adits have previously been driven for distances of 60 feet. Reconnaissance sampling is being carried out in this area but details are not yet to hand. Please refer 500 scale Plan. Positions approximate only. Another magnetic anomaly in the range 1000 gammas to 4000 gammas occurs to the south-east of the gossan area. This is being covered with closer spacing on additional lines.

A reconnaissance magnetic survey was carried along the track between Stanley Reward and Mt. Lindsay. Seven anomalous areas were crossed, ranging between 2300 and 5000 gammas.

Stanley Reward Magnetics are referred to zero on granite. To compare this work with Mt. Lindsay magnetics it is necessary to add about 2500 gammas to Stanley Reward readings.

Future Work

Field work set out in Schedule 6b-1(a), 6b-1(b) will be completed in one week. Calculations and drafting remain to be done, which will be completed in about 2½ weeks.

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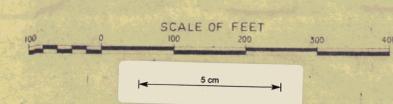
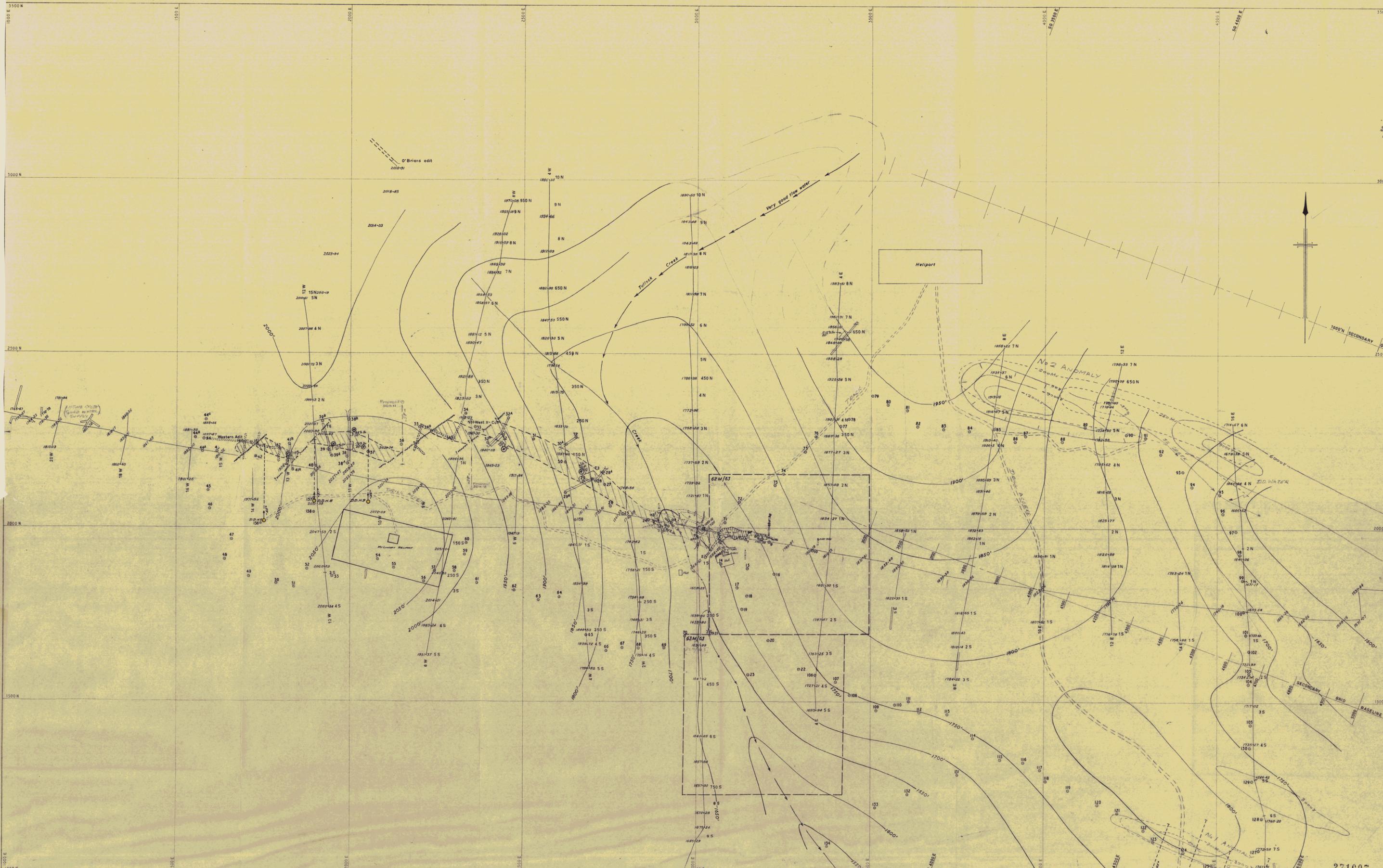
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On completion of survey and magnetic plans, Schedule 6b-1(c), which covers mapping and sampling, will commence.



J. L. Morton.

Melbourne,  
March 19, 1934.



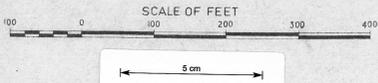
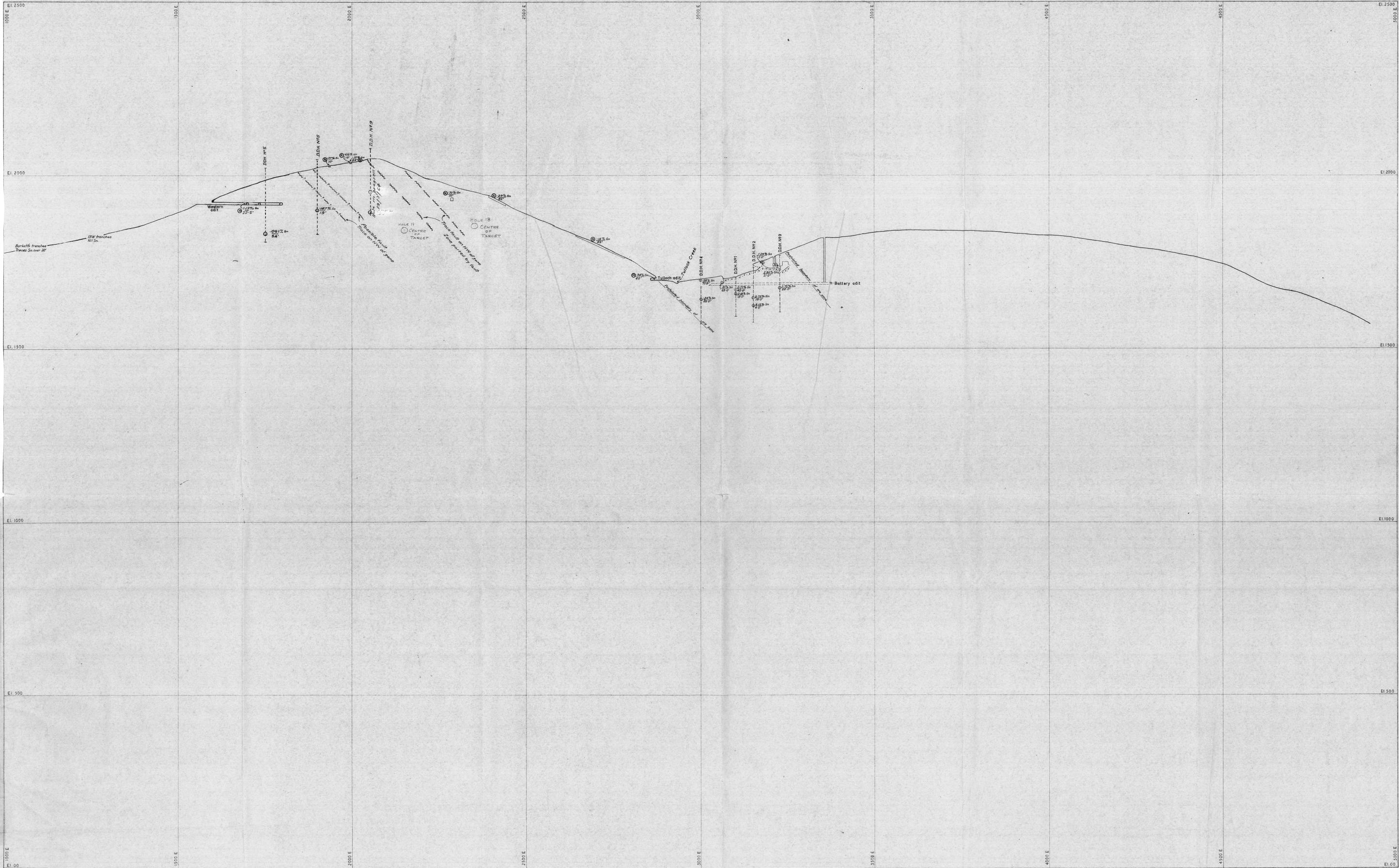
- LEGEND**
- Banded limonitic gossan
  - Siliceous gossan
  - Earthy limonitic gossan
  - Haematitic gossan
  - Fresh hornfels
  - Slaty - may contain decomposed hornfels

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

MAJOR ORE ZONE

- 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

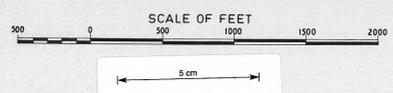
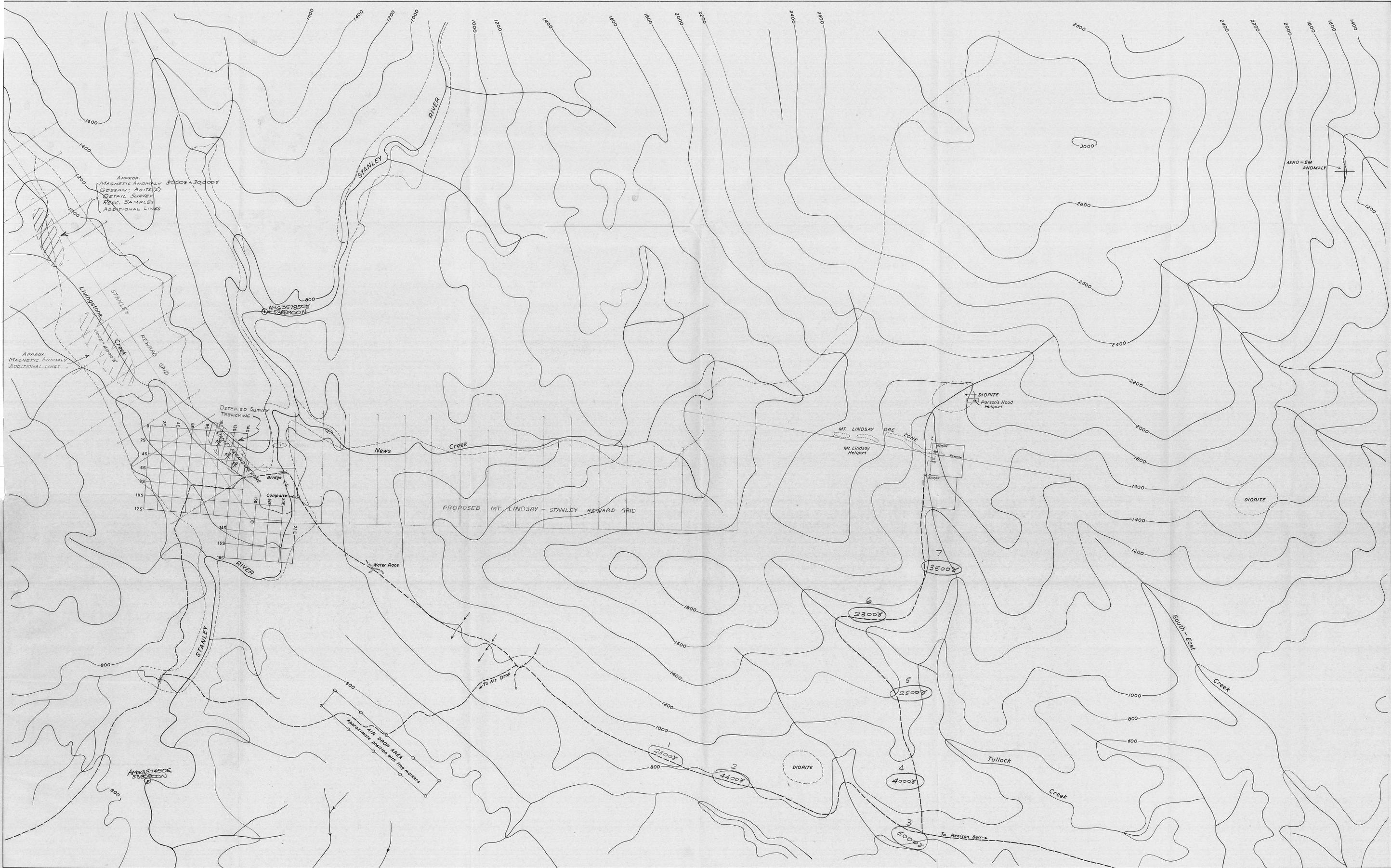
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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP  
 MT LINDSAY TIN PROSPECT  
 LONGITUDINAL PROJECTION  
 LOOKING NORTH

- LEGEND**
- ⊙ Sample or D.D.H. intersection in Main Zone
  - ⊙ Sample or D.D.H. intersection in Subsidiary Zone
  - ⊗ Río Tinto sampling

271608  
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 Drafting by: GEODRAFTING SERVICES  
 Drawn by: C.J.H. Date: \_\_\_\_\_  
 DRAWING Nº A.65



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

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP  
**MT LINDSAY TIN PROSPECT**  
 REGIONAL GEOLOGICAL PLAN

LEGEND	
—	Geological contact position accurate
- - -	Geological contact position approximate
---	Geological contact position inferred
-2000-	Contour interval 200 feet
↗↘	Strike and dip
— — —	Fault
—+—+—	Track

AMG REFERENCE POINTS ADDED

27109  
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 Drafting by: GEODRAFTING SERVICES  
 Drawn by: C.J.H. Date:  
**DRAWING NO A 117**