

MICROFILMED

EL 21/78

802001

KING ISLAND

QUARTERLY REPORT

TO 11 APRIL 1982

WARMAN SERVICES

82 - 1734

OPEN FILE

- 4 MAY 1982

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WARMAN SERVICES LIMITED

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32107/82				

E.L. 21/78

QUARTERLY REPORT

to the Mines Department

Quarter Ended 11th April, 1982

82-1734

PROGRESS REPORT E.L. 21/78Quarter Ended 11th April, 1982General

Work in the last quarter has been concentrated on the diamond drilling of two holes at the southern limit of the Dolphin Mine area. Results of this drilling is important in the assessment of the potential of E.L. 21/78 within which they are located.

Progress During the Quarter

Surface diamond drill hole D300/8 was drilled to completion at 468 metres while surface hole D360/14 was commenced and is currently at a depth of 50 metres.

Surface hole D300/8 was collared at 563 660 N, 220 300 E and was designed to test extensions to the Southern Orebody.

A summary drill log is

0.0 - 21.0 metres	Oreburden dump
21.0 - 65.0 metres	Sand
65.0 - 316.0 metres	Volcanics
316.0 - 346.0 metres	Biotite Hornfels
346.0 - 377.0 metres	Marble (B Lens)
377.0 - 468.0 metres	Granite

Although the granite contact in this surface hole is the deepest yet recorded in the Dolphin area it indicates a shallower than hoped for dip to the south. This effectively defines the southern, and by extrapolation the western, limits of the Southern Orebody. This is shown on section 200 300 E attached.

Potential to the east of D300/8 is dependent on whether the granite contact dips steeply down adjacent to the Grassy River Fault. It is into this area that the current surface exploration hole D360/14 is targetted.

On current interpretations surface hole D360/14 collared at 220 360 E 563 750 N is targetted at the zone between the Grassy River Fault and the Decline Fault where it is considered that a down faulted block of mine series containing the 'C' Lens sequence could occur.

The results of D300/8 have down graded the possibility of there being a continuation of the mine series sequence between the northern and southern contacts of the Grassy Granite adjacent to and west of the Grassy River Fault. Additional data obtained from the current hole D360/14 will be important in allowing a reinterpretation of structure of the whole of this area.

Future work will consist of completion of hole D360/14 scheduled to a depth of 500 metres and any subsequent wedge run off required to obtain additional geological and structural data. Once this drilling has been completed the potential of an exploration programme for this area will be reassessed.

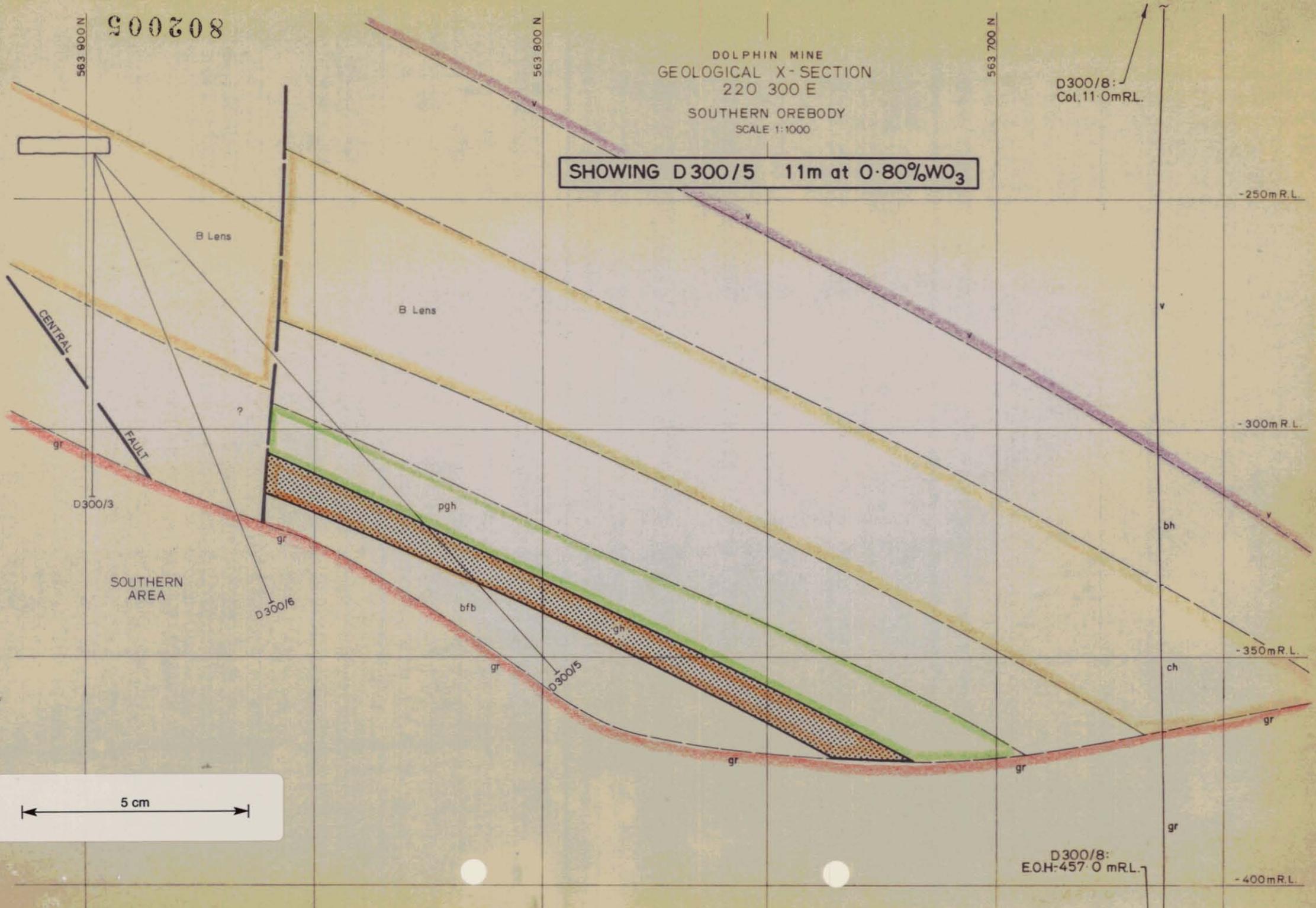
S. G. Brown
SUPERVISING GEOLOGIST

802005

DOLPHIN MINE
GEOLOGICAL X-SECTION
220 300 E
SOUTHERN OREBODY
SCALE 1:1000

D300/8:
Col. 11.0mRL.

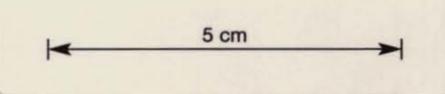
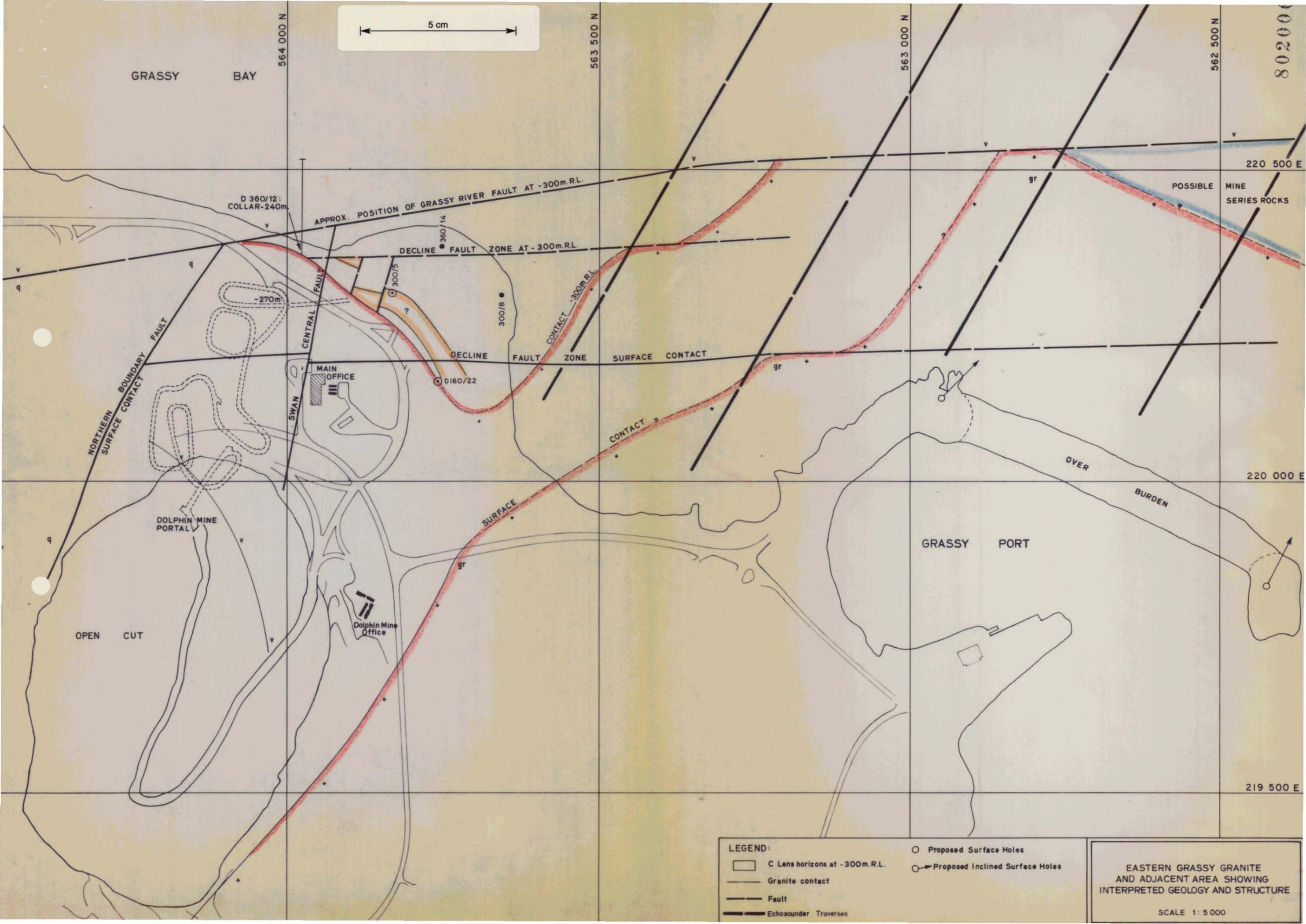
SHOWING D300/5 11m at 0.80%WO₃



5 cm

D300/8:
EOH:457.0 mRL.

-400m R.L.



- LEGEND:**
- C Lens horizons at -300m.R.L.
 - Granite contact
 - Fault
 - Echosounder Traverses
 - Proposed Surface Holes
 - Proposed Inclined Surface Holes

**EASTERN GRASSY GRANITE
AND ADJACENT AREA SHOWING
INTERPRETED GEOLOGY AND STRUCTURE**

SCALE 1: 5 000