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PLACER PROSPECTING PTY. LIMITED

PROGRESS REPORT

SPECIAL PROSPECTORS LICENCE NO. 11

DUNDAS MINING FIELD

TASMANIA

MICROFILMED

GENERAL

001
Special Prospector's Licence No. 11 covers 3200 acres of the Dundas Mining field, Tasmania and is held by Placer Prospecting Pty. Limited. It includes the Razorback and Grand Prize tin mines, held under lease by J. Hodge and Associates of Zeehan. These leases are under option to Placer Prospecting Pty. Limited. ?

Prospecting activity has centred on the two areas of known mineralisation at Razorback and Grand Prize and has been extended to the north of the Grand Prize mine. A broad summary of the geology of the S.P.L. was given in our report on the area dated September 13, 1965, and will not be repeated in this progress report.

Plans and sections showing recent underground exploration in relation to geology are appended.

RAZORBACK MINEDiamond Drilling

Twelve underground and five surface diamond drill holes were completed during the period. Drilling has ceased at this prospect and equipment moved to the Heemskirk and Grand Prize areas.

	<u>Surface</u>	<u>Underground</u>
Diamond drilling completed during period	1842'	1410'
Progressive total	<u>10,086'</u>	<u>3,404'</u>

Surface drilling was designed to complete the pattern of drill holes beneath the Placer No. 1 or 700' adit level. Mineralisation was intersected in all drill holes at the contact between dolomite and the grit footwall. Grade varied but conformed to the pattern established earlier, of a steeply plunging lenticular ore body.

002 The underground drill holes tested the extension of the ore zone to 200' depth below the Placer No. 1 Adit level and provided several test holes adjacent to bulk sampled cross cuts at this level. These latter holes were formed to reflect the erratic distribution of tin values through the ore zone and emphasise the need for bulk sampling techniques when testing this type of deposit.

Bulk Sampling

Bulk sampling through our low capacity sample plant was discontinued during the period. A redesigned, prefabricated crushing and sampling plant is currently being installed at Razorback and will be used to complete the sampling programme.

It is planned to sample the lode at approximately 150' below the Placer No. 1 level as a test of the vertical continuity of values and to further test the relationship between diamond drill and bulk sample results. Access to this level is by an inclined winze now being sunk from No. 1 SXC. The winze follows the grit footwall which at this point dips 75° to the east.

A level has been opened up in oxidised ore at the Placer No. 2 level which is 175' above the Placer No. 1 Adit. It is planned to bulk sample from selected cross cuts at this level.

GRAND PRIZE

The Grand Prize mine lies in a prominent fault zone some 3000' in length, which disrupts a folded series of shales and grits. In the mine area the sediments dip south at between 30° and 75° and are transected normal to their strike by the north-south trending Grand Prize fault.

A major feature of the fault is the depth of oxidation which, at the mine, has been encountered over a vertical depth of 600 feet. It was considered that this oxidised ore would require only simple treatment and would return a high percentage recovery of tin.

Because of the great limitations in drill sites and the poor recovery inherent in drilling this type of ore, a programme of underground exploration was commenced

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in 1965 to test two levels - the No. 4 level and Crazes level - which are 100' apart, using in both cases, approach adits driven during previous mining activity at this mine.

A total of 880 feet of driving and 350 feet of cross-cutting has been completed, including 200 feet of bulk sampled cross-cuts.

This work revealed that the lode zone swells and pinches, with the consequent development of two ore shoots within the 1000' length explored. The shoots are characterised by the development of distinctive, puggy fault gouge zones which caused difficulties in driving through the narrower sections of lode and slowed down our rate of progress, particularly in the lower or Crazes level drive.

Bulk Sampling

A bulk sampling programme was undertaken at the No. 4 level and was completed in November, 1965.

The lode zone was bulk sampled by eleven cross-cuts spaced where possible at 50' intervals and tested the northernmost of the two shoots outlined over a strike length distance of 600'. All rock mined during cross-cutting was crushed and tabled. Head feed to the tables was automatically sampled and the results of this sampling has been used in estimating grade.

The results of the bulk sampling were disappointing and the overall grade is lower than that expected from our early channel sampling.

Underground exploration has now ceased at this prospect. Our final assessment now awaits the results of diamond drilling currently testing the sulphide zone below our test adit levels.

G. I. Wilson

G. I. WILSON

June 1, 1966.

LIST OF PLANS AND SECTIONS

- | | | |
|-----|---|-----------|
| (1) | Razorback Mine - 930' (Brock's) level | 80' = 1" |
| (2) | " " - 830' and 870' (Placer No.2)
level | " " |
| (3) | " " - 770' level | " " |
| (4) | " " - 700' level | " " |
| (5) | " " - cross section 2200 N | " " |
| (6) | " " - cross section 2350 N | " " |
| (7) | Grand Prize Mine - location of bulk sample
cross cuts - No. 4 adit level | 100' = 1" |
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REFERENCE OF PLANS AND SECTIONS

Serpentine



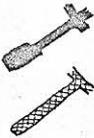
Dolomite



Grit



Black shale

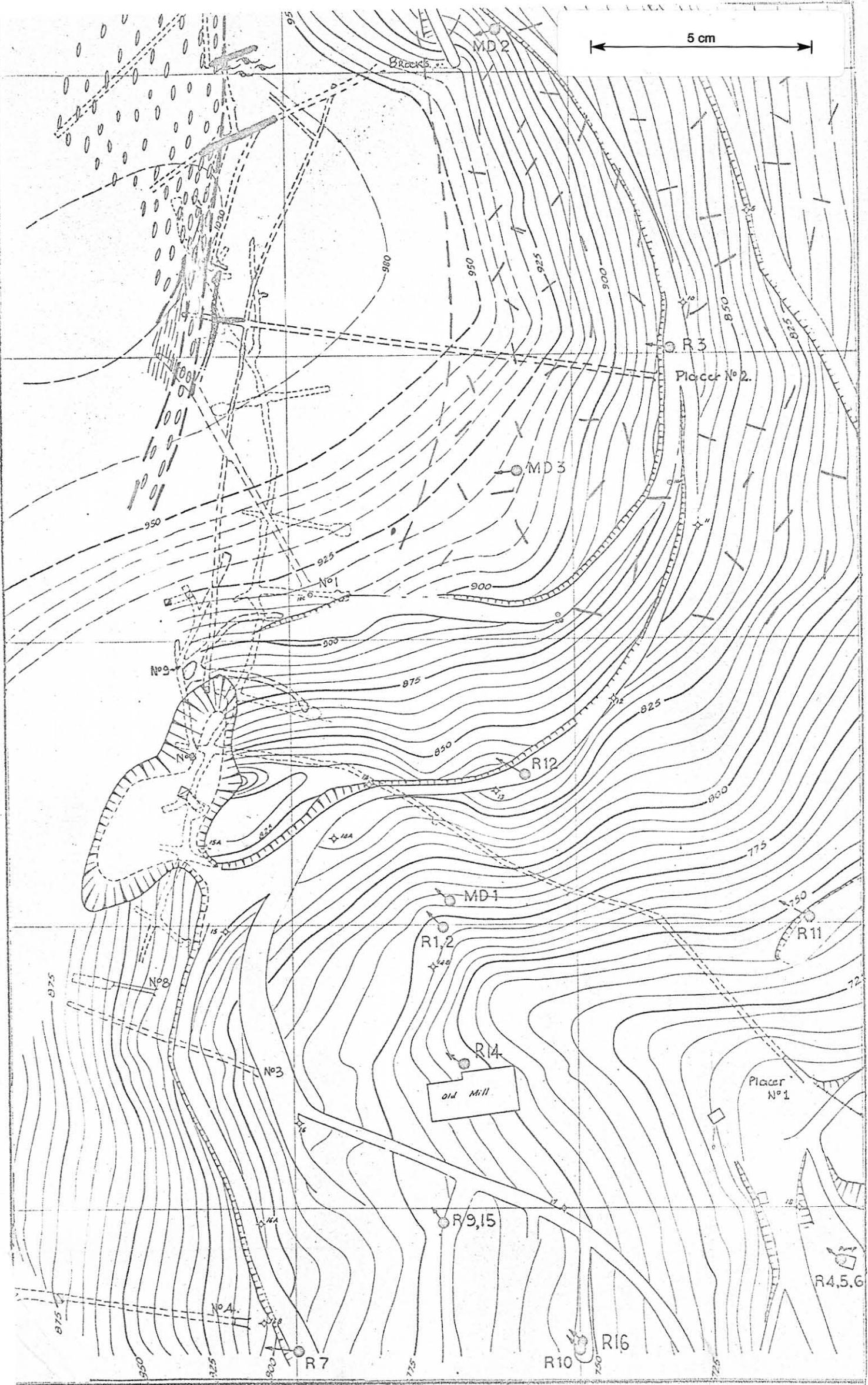


Well mineralised and tested lode

Disseminated mineralisation and
untested lode

Surface diamond drill hole

217007 006



RAZORBACK MINE

930' (BROCK'S) LEVEL

PLACER PROSPECTING PTY. LTD.

SCALE: 80' : 1" | PLAN No 1.

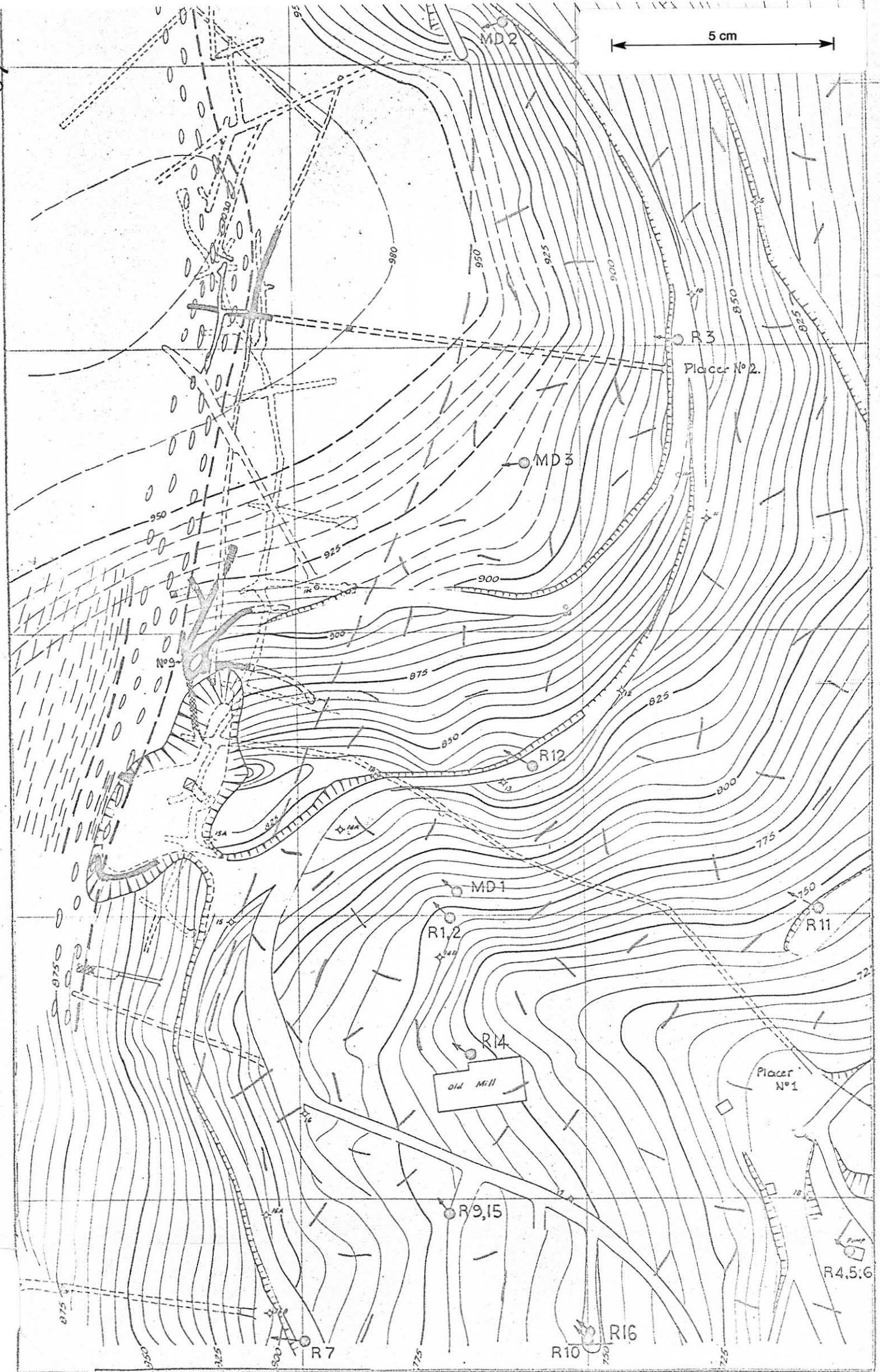
DRAWN: *Collier*

DATE: *30th March 1916.*

217008

007

5 cm



RAZORBACK MINE

830' AND 870' (PLACER NO. 2) LEVELS

PLACER PROSPECTING PTY. LTD.

SCALE: 80' : 1"

PLAN No 2.

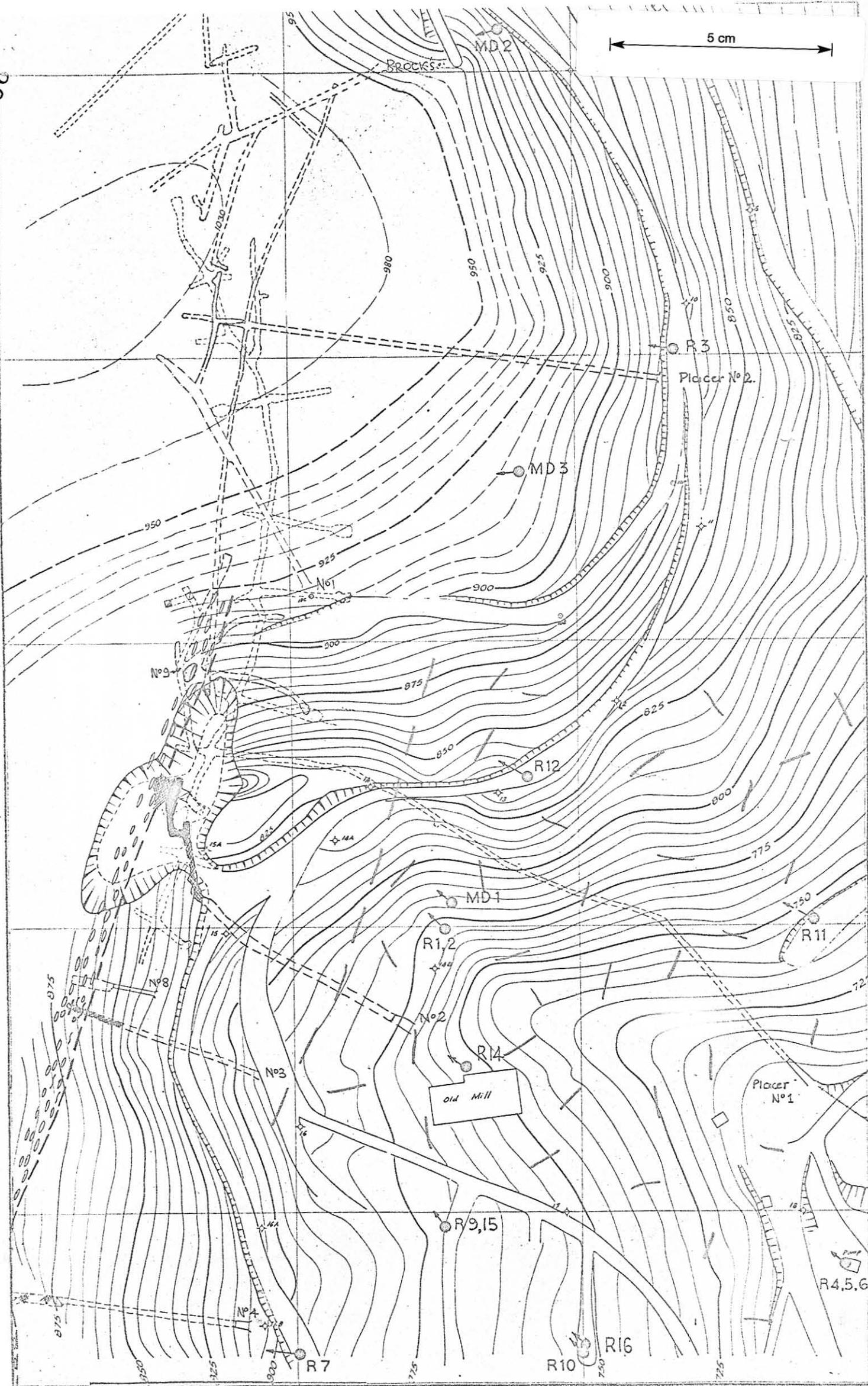
DRAWN: Gillian

DATE: 30th March 1966.

217009

008

5 cm



RAZORBACK MINE

770' LEVEL

PLACER PROSPECTING PTY. LTD.

SCALE: 80' : 1"

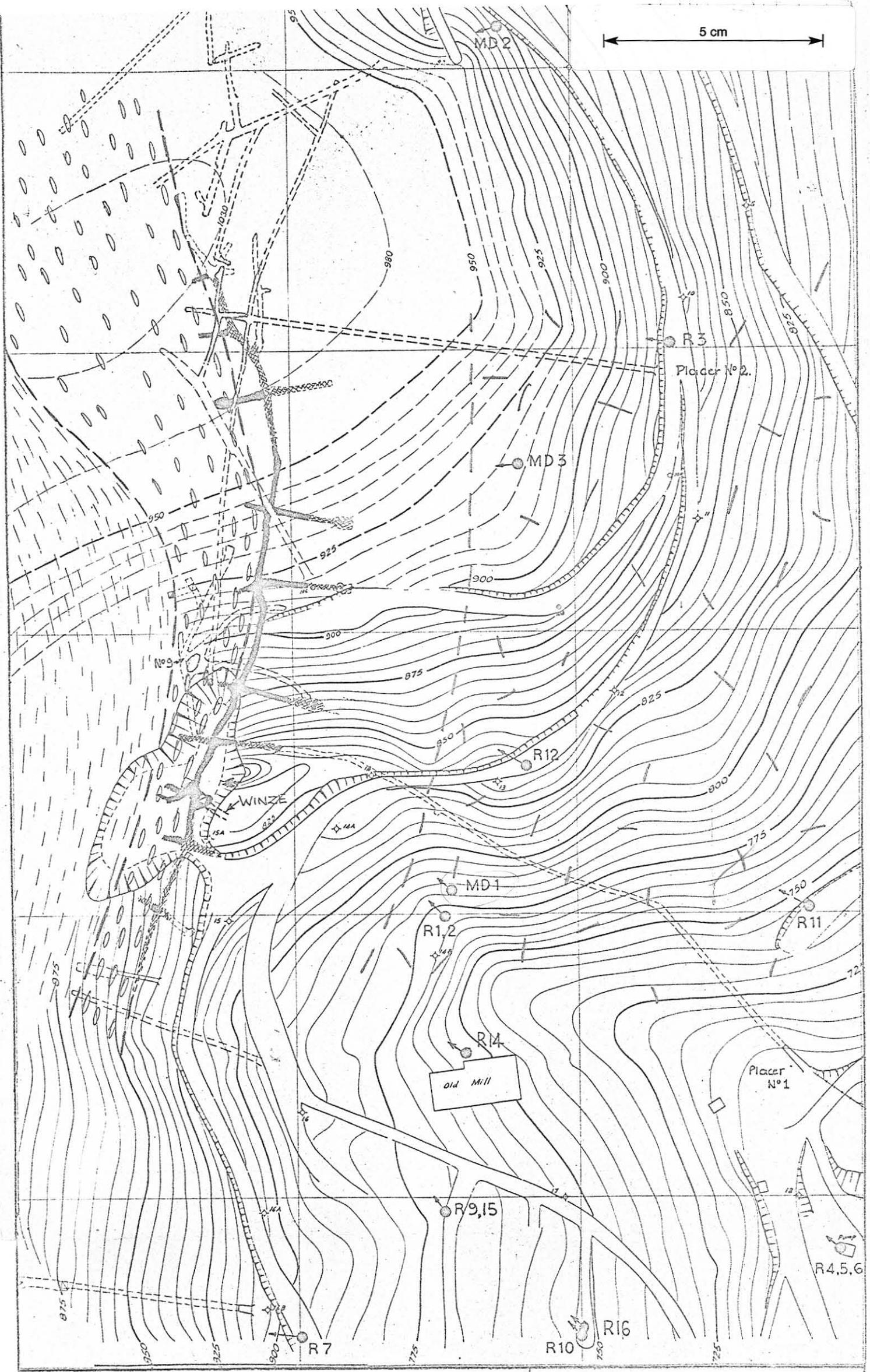
PLAN No 3.

DRAWN: *Callan*

DATE: *30th March 1966.*

217010 009

5 cm



RAZORBACK MINE

700' (PLACER NO. 1) LEVEL

PLACER PROSPECTING PTY. LTD.

SCALE: 80' : 1"

PLAN NO. 4

DRAWN: *Collins*

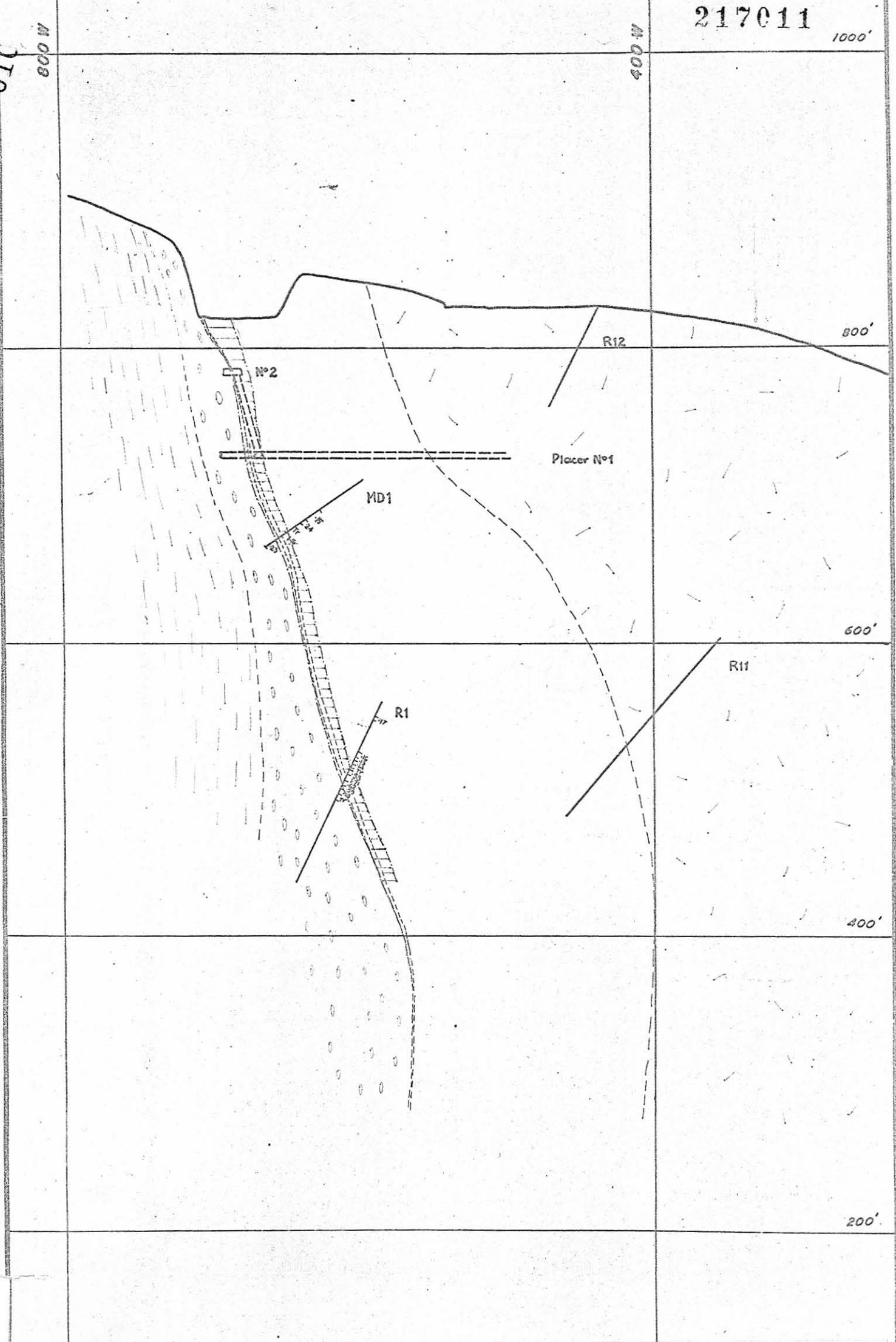
DATE: 30th March 1916.

217011

1000'

010
800 W

400 W



CROSS SECTION : 2200N

5 cm

RAZORBACK MINE

PLACER PROSPECTING PTY. LTD.	
SCALE : 80' = 1"	Plan 5.
DRAWN : <i>Gibson</i>	
DATE : 29-9-66	

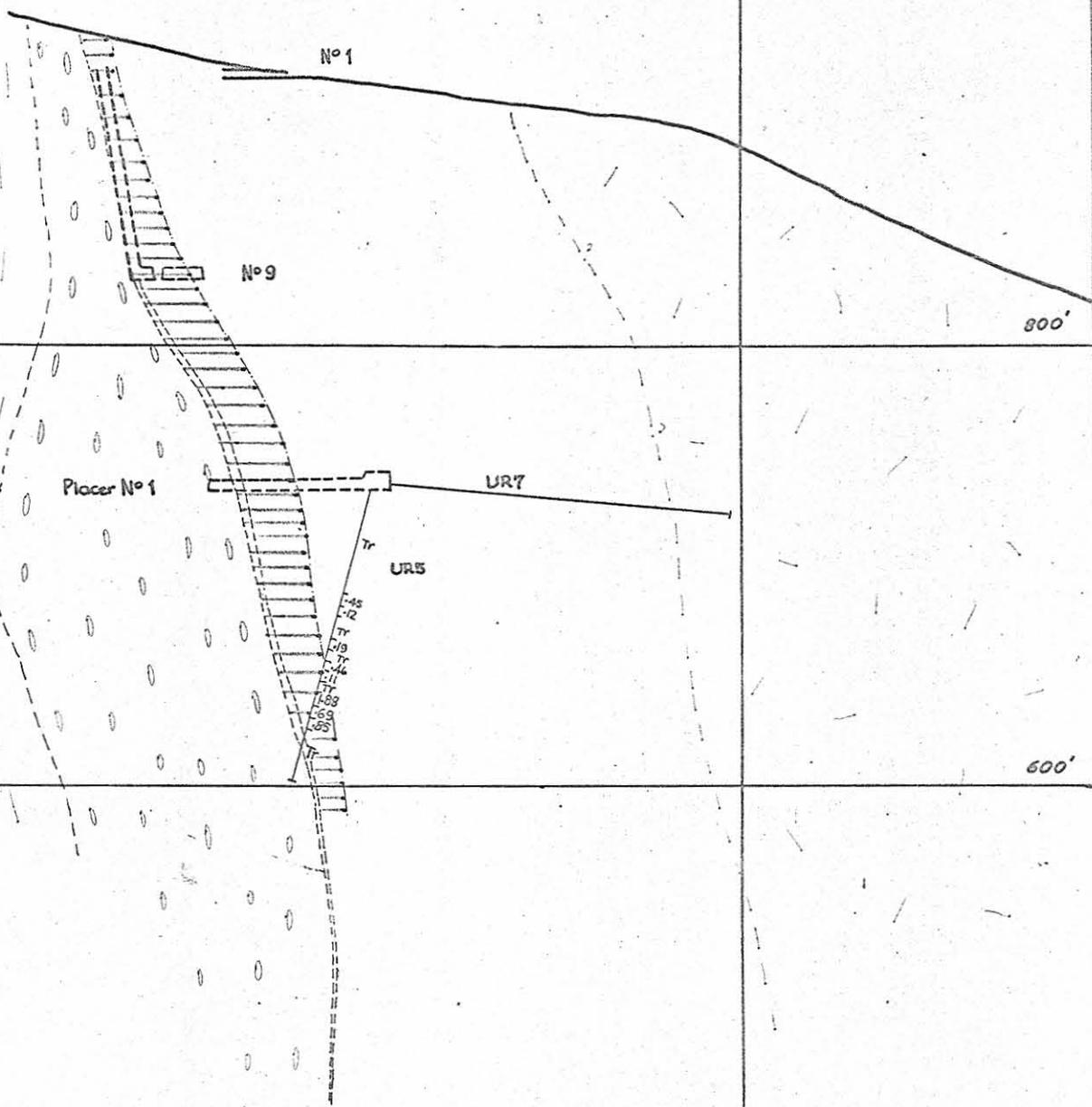
217012

1000'

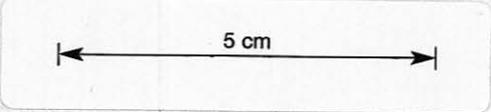
011

600 W

400 W



300E 400E 500E 600E 700E 800E



012

No 4 NORTH ADIT

No 1 xc

No 2 xc

No 3 xc

No 4 xc

No 5 xc

No 6 xc

No 7 xc

GP1

No 4 SOUTH ADIT

No 8 xc

No 9 xc

No 10 xc

No 11 xc

GP2

← CRAZE'S ADIT

GRAND PRIZE MINE
SHOWING BULK SAMPLE CROSS-CUTS

PUBLIC PROSPECTING ACT

SCALE: 100' = 1"

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