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TIMRON MINING

EXPLORATION LICENCE 45/87

SCOTTSDALE

ANNUAL REPORT 10 MAR 88 to 9 MAR 89

LICENCEE Mrs. O. Parish

EXPLORATION MANAGER Timron Mining

**MICROFILMED**

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AUTHOR Ron Gregory

COPIES TO: O. Parish  
T. Parish  
Director of Mines

89-2923

**OPEN FILE**

AMG REFERENCE POINTS ADDED

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TIMRON MINING

FIGURES

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6. Pit location, Sand depth at Goanna Hill

TIMRON MININGTENEMENT INFORMATION1.

The Licence is located as per Figure 1.

2.

The Licence is held by Mrs. O. Parish and explored and managed by the partnership of Timron Mining being T. Parish and R. and I. Gregory.

3.

The Licence covers 136 km<sup>2</sup> east of Scotsdale and is both a mineral and stone licence.

TIMRON MININGEXPLORATION PHILOSOPHY AND OBJECTIVES

There exists within the Licence area the Tonganah Clay Mine, a number of working sand/gravel mines and a number of old Tin prospects and mines. It was thought by the licensee that;

1. Similar deposits to Tonganah may exist.
2. Similar deposits of sand/gravel such as on 93,94M/80 and 21 and 20M/81, may exist elsewhere in the Licence.
3. The following excerpt from previous clay explorer and holder of the Tonganah mine sums up our philosophy.  
"It is probable that somewhere under the drift mantle in an area shielded from erosion by granite or hardpan saprolite occurs in workable quantities. The location was abandoned not because of prospects were exhausted but because there was immediately productive work available for the equipment elsewhere."
4. By combining the search of the mantle for sand/gravel/high grade silica with the search for kaolin below the mantle and keeping an eye out for mineable tin/monazite it was hoped that a commercially exploitable deposit would be located.

TIMRON MININGPREVIOUS EXPLORATION

Up until the 1970's the Tertiary granite gravels were mined for Tin and Monazite.

Exploration Licence 20/70 held by A.P.P.M. and operated by the Ballarat Clay Co. delineated the Tonganah Clay deposit and bored as far north as China Creek for Saproelite.

In the late seventies, messrs Rainbow and Cassidy, the current holders of large deposits of sand/gravel explored the area and subsequently took up leases.

None of the previous explorers combined prospecting for both clays, sands and minerals.

TIMRON MINING1988/89 WORK COMPLETED

1. Firstly a reconnaissance by foot and 4WD vehicle over all known tracks and prospective areas of the licence was carried out.

This; 1.1 Confirmed the geological mapping as shown on the Ringarooma sheet.

1.2 Eliminated areas which were deemed to be non prospective.

1.3 Located prospective areas and route for the movement of the excavator.

2. The area south of the Tasman Highway was traversed by vehicle and road cuttings bored to a depth of 2 metres in several locations and no suitable indication of quality saprolite were found. There were no obvious sand/ gravel in the area and so it was not explored further. It has been observed however that recent dam construction on private property immediately to the west of the licence at Lings Siding, near the Tasman Highway, signs of good quality saprolite occur.

3. An examination of drill logs of previous exploration on E.L.20/70 indicated that the most prospective areas are held under lease and significant deposits of saprolite outside the lease appear to be minimal. Long standing Council/DMR extracion has removed the majority of sand and gravel from the area.

4. It was therefore decided to acquire an 18 ton JCB excavator to explore generally from Boat Hole Road south to Jensens Road and then from south to north along Goanna Road. Figure 2. shows the route of the excavator. The machine was mainly walked on gravel roads and tracks and recent examination reveals that bracken fern and other vegetation is recovering well where cross country movement was essential. For ease of reporting the exploration has been divided into the following areas.

#### 4.1 North of Surveyors Creek

This is bounded by Boathole Road on the north, Old Waterhouse Road on the east and Surveyors Creek on the south.

Only 3 holes encountered sand in excess of 1 metre. One located at Pearly Brook 1:25,000 map grid 5028-5450 and the other two on Glennons road at grid 4838-5298. Other holes around these three were poor and so an economic deposit of sand is unlikely. The opportunity was taken to dig holes for saprolite in gravel pits etc where overburden has been removed but only iron stained granite derived drift was encountered.

#### 4.2 Mining Lease 2M/87

Under arrangement with the owner this lease was explored. The northern half had very little sand over 1 metre deep and is therefore deemed to be uneconomic. The southern half in the vicinity of the western boundary of gravel reserve 0905 has sand averaging 2 metres in depth. At least 5,000 m<sup>2</sup> were proved with the possibility of several thousand more. No saprolite was encountered on the lease only drift with less iron staining than to the north.

#### 4.3 China Creek

This area is subject to lease application 79M/87 and the problems relating to its tenure are dealt with under separate cover. The exploration of this area was undertaken in two separate parts.

##### 4.3.1 West half

The 5 acre gravel reserve 0906, which is actively used by the Scotsdale council for road base material was the centre of our activity because a depth of 4 or 5 metres of overburden has been removed over the years. One hole at Scotsdale 1:25,000 map grid 4916-4785 encountered good white saprolite at 1 metre below the gravel pit floor. Subsequent testing of this saprolite at Tonganah showed it to be of 86 brightness and good yield, a better product than is currently being mined. Several other holes encountered indications of white saprolite at 4 and 5 metres depth. Exploration in this area was abandoned with excavator and decision made to return next year with an auger/drill to test at greater depth.

One hole did encounter sub economic cassiterite in a sandy wash at 2 metres depth. This also could be followed up next year.

##### 4.3.2 East half

Little sand/gravel of more than ½ metre depth exists along the China Creek valley. Previous exploration by APPM found only poor quality saprolite along this valley and so we searched for sand and gravel. Excavation in the flat produced little cassiterite/monazite down to excavator depth.

#### 4.4 Ruby Creek

One hole encountered fair quality saprolite and so it was decided to return next year. This area was prospected by APPM and rejected and therefore it has the lowest priority. Again very little cassiterite/monazite was found to excavator depth.

#### 4.5 Mining Lease 50M/85

Under arrangement with the owner this area was searched for saprolite and no indication was found. About 25,000 m<sup>2</sup> of sand/gravel was proved up in the exploration.

#### 4.6 Goanna Hill

This is our name given to an unnamed hill west of Goanna Road and located within grid square 552 East-5447 North on Scotsdale 1:25,000 map. This feature was pitted on a 30 metre grid and +100,000 tons of sand suitable for concrete, at a depth between 2 and 3.5 metres depth was proved. No saprolite was encountered.

#### 4.7 North Goanna Road

Between Goanna Hill and Forester Road several holes were dug with poor results and no saprolite was encountered.

TIMRON MININGCONCLUSIONS AND RECOMMENDATIONSConclusions

1. The mantle of drift in the northern half of the Licence is a lot thicker than exists in the Tonganah vicinity and so exploration for saprolite with an excavator was relatively ineffective.
2. The use of the excavator for exploring for sand and gravel is ideal but slow, moving from one place to the other.
3. The likelihood of substantial sand/gravel deposits in the area north of Surveyors Creek is very limited as the average depth was less than 1 metre. The hope of locating a large tonnage of high grade Silica was discounted and exploration thereafter was aimed at locating smaller deposits of sand and gravel and saprolite.
4. High quality Saprolite not previously located by APPM may exist on the western end of 97M/87.

Recommendations

1. The majority of the Licence be relinquished due to;
  - 1.1 Lack of indication of saprolite within range of an excavator.
  - 1.2 Lack of sand and gravel deposits not already under lease.

TIMRON MININGPROPOSED FUTURE EXPLORATION

1. Extend and fill in the existing grid with the excavator on Goanna Hill and confirm the tonnage. In conjunction with Boral BMG Resources, test the sand for size and quality. If the deposit meet Boral's requirements then a lease will be applied for.
2. Auger/Drill the western half of 97M/87 to;
  - 2.1 Establish the depth and quality of the saprolite
  - 2.2 Determine the possible extent of the saprolite to establish if a possible economic deposit exists.
3. Auger/Drill saprolite at Ruby Creek, similar to above.

TIMRON MININGSTATEMENT OF EXPENDITURE

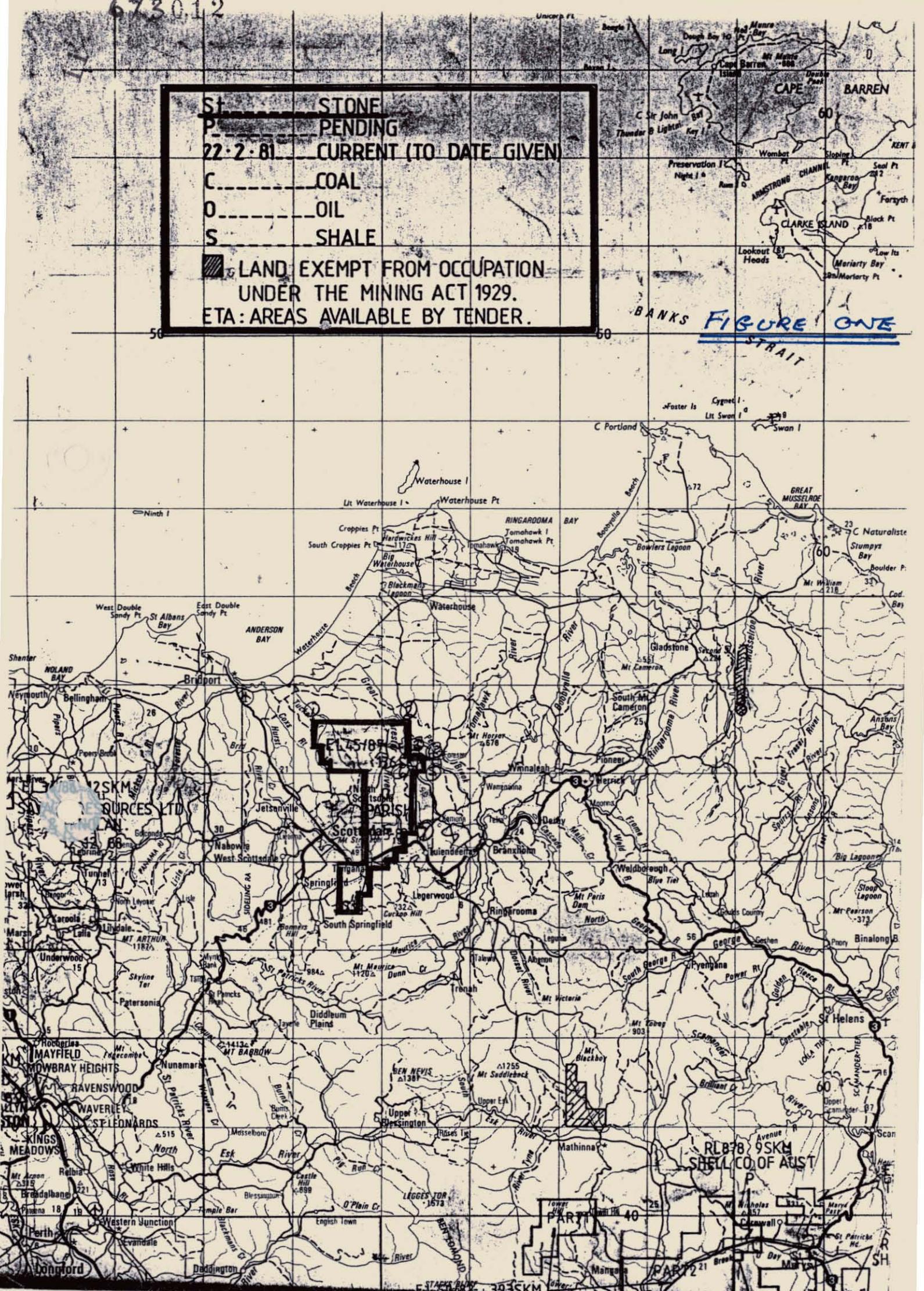
The number of man days expended by Timron Mining amounted to 47 plus administration.

Value at \$180.00 per day per man	\$8460.00
Value of employed labour	\$ 900.00
Engine hours of excavator - 90	
Value at \$30.00/hour	\$2700.00
Vehicle kilometres - 5,500	
Value at .40cents /kilomtre	\$2200.00
Excavator transport	\$ 420.00
Samples	\$ 45.00
Insurance	\$ 300.00
Acquisition costs	\$1560.00
Administration at 10%	\$1658.00
TOTAL	<u>\$18,243.00</u>

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S	STONE
P	PENDING
22-2-81	CURRENT (TO DATE GIVEN)
C	COAL
O	OIL
S	SHALE
	LAND EXEMPT FROM OCCUPATION UNDER THE MINING ACT 1929.
ETA	AREAS AVAILABLE BY TENDER.

BANKS FIGURE ONE



TASMANIA 1:100 000 TOPOGRAPHIC BASE  
EDITION 3

EXCAVATOR ROUTE

FO  
LAND T

WATERHOUSE 15 km

WATERHOUSE 12 km

147°30'

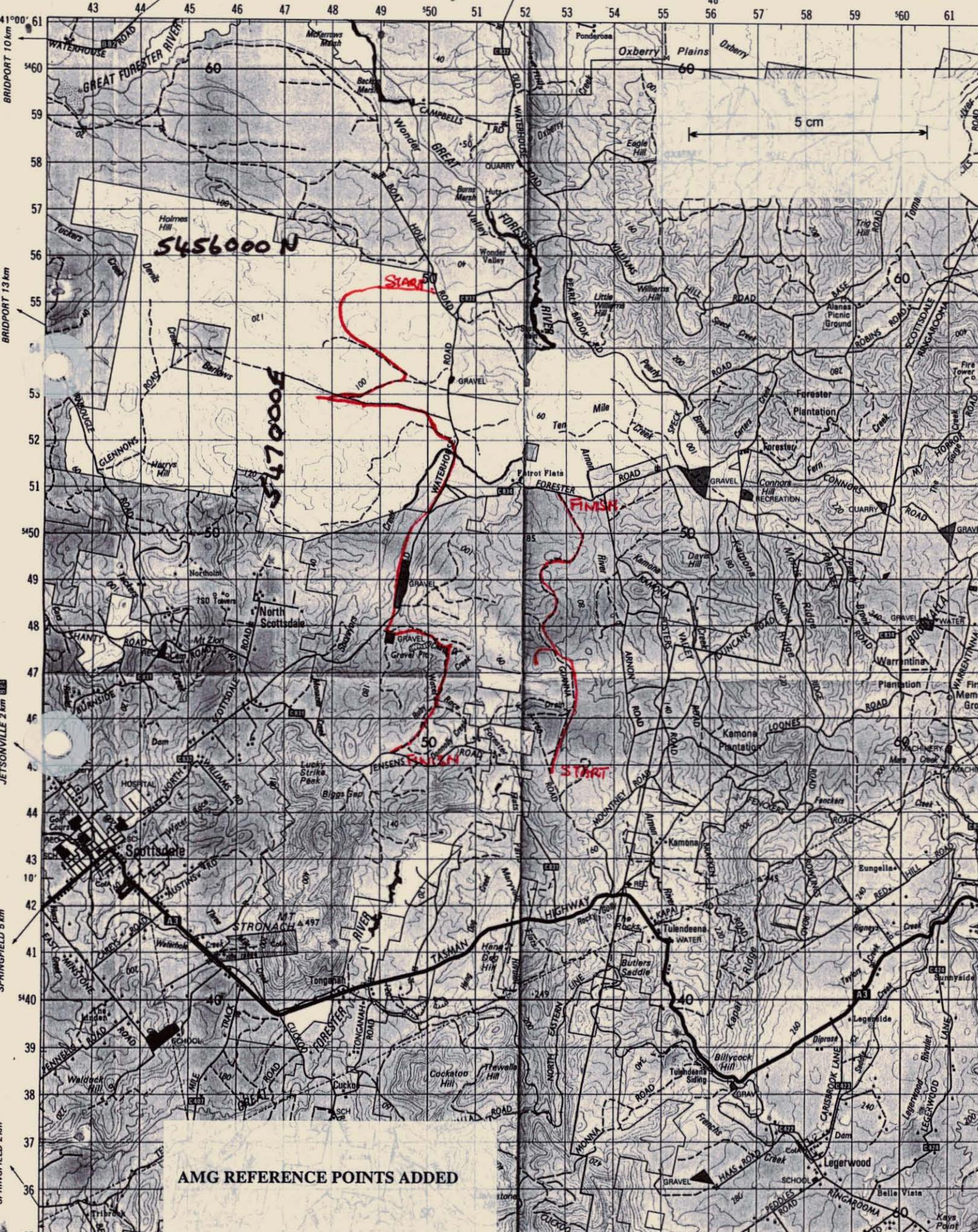
40'

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59

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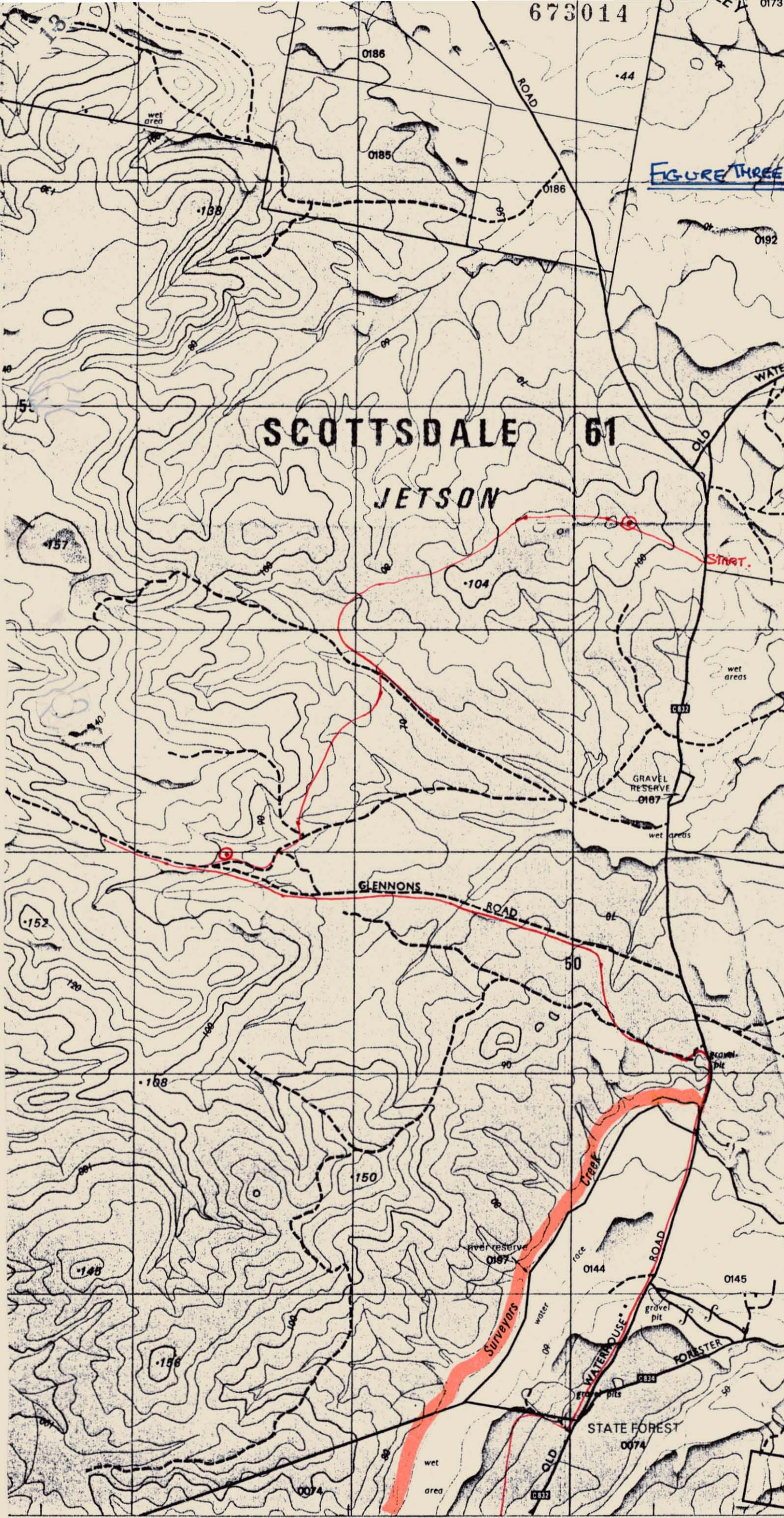
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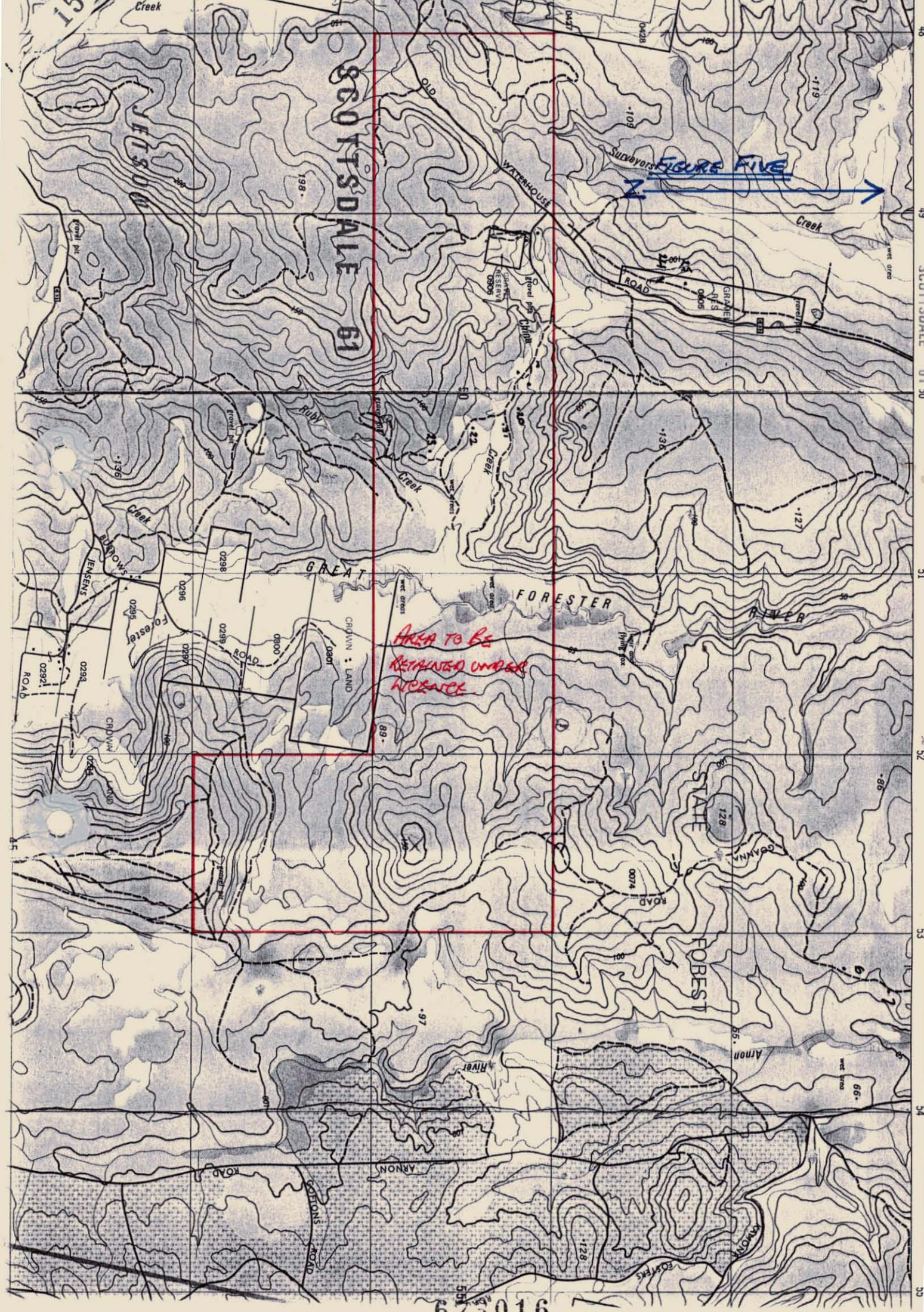
AMG REFERENCE POINTS ADDED

FIGURE THREE

# SCOTTSDALE 61 JETSON







AREA TO BE  
RETAINED UNDER  
WIPERACE

SURVEYORS FIGURE FIVE

SCOTTSDALE 61

GREAT FORESTER

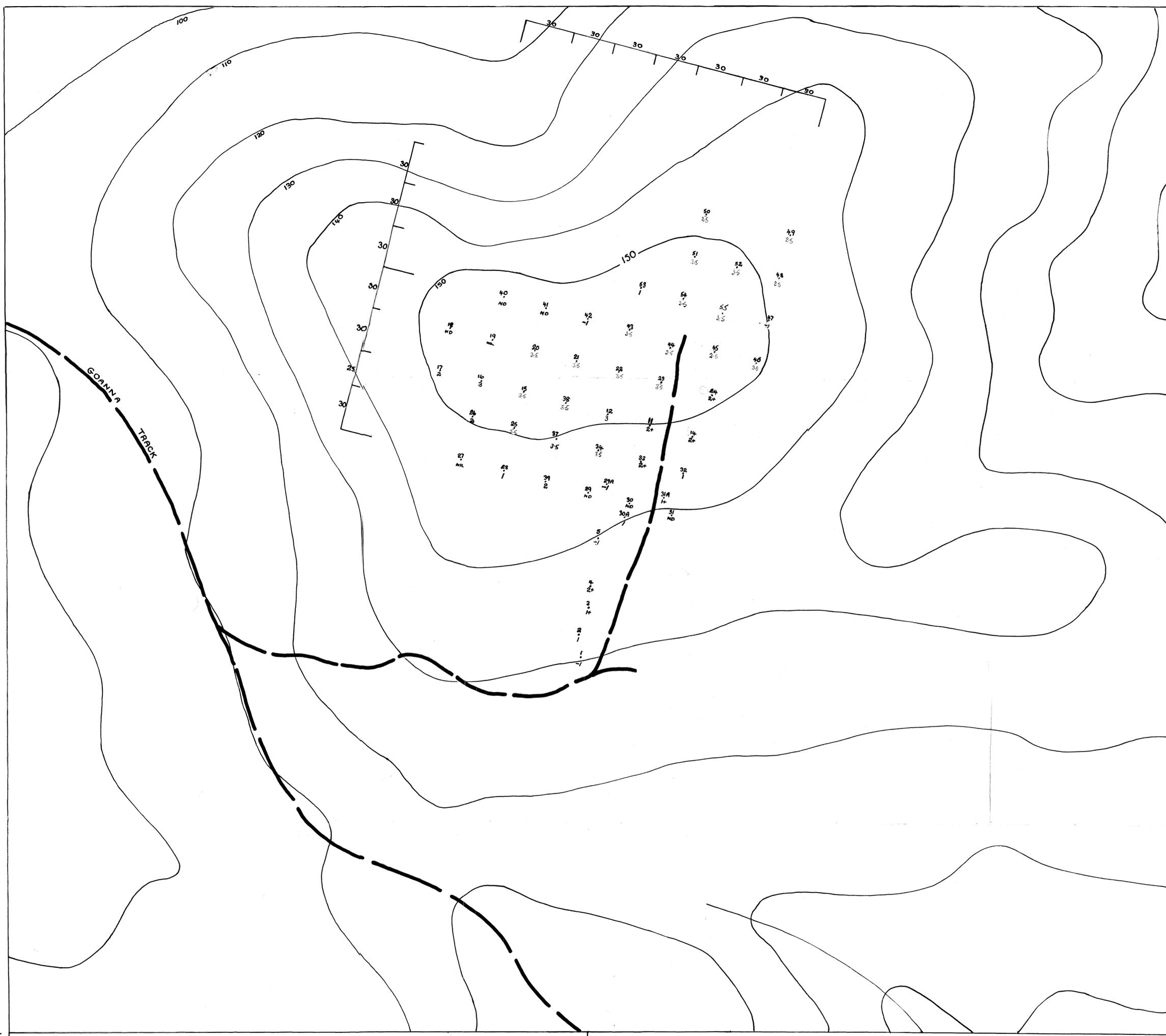
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FOREST

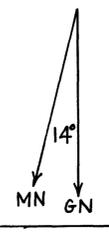
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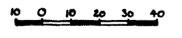


3000N  
55300E



CONTOUR INTERVAL 10 METRES

SCALE 1CM = 10 METRES  
1:2,000



- 4 HOLE NUMBER.
- HOLE LOCATION
- 2± DEPTH OF CLEAN SAND

GOANNA  
HILL 150m SCOTSDALE

OCT. 1988 TIMRON MINING

FIGURE SIX

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