

FIRST ANNUAL AND FINAL REPORT

on

EXPLORATION LICENCE 3254

situated at

ADELAIDE RIVER, N.T.

held by

R. & P. RIXON

covering the period ending

5th December, 1984

OPEN FILE

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NORTHERN TERRITORY
GEOLOGICAL SURVEY

CR 85 / 138

SUMMARY

Exploration Licence 3254 was applied for on the 7th August, 1981 in order to retrieve the Adelaide River Uranium Mine held previously as M.L. 198B by R. Rixon which lapsed on 31st December, 1979 (becoming part of E.L. 2055 held by Urangesellschaft Australia Pty Limited) and to provide sufficient land to explore for other minerals, principally, gold and silver.

The exploration licence was granted on 6th December, 1983 and this is the first annual and final report.

LOCATION

The licence commences immediately southeast of the Adelaide River township and is traversed by the old and new Stuart Highways. The area covered is 29 square kilometres.

GEOLOGY

E.L. 3254 covers the sedimentary Burrell Creek Formation containing a sequence of greywacke, sandstone and siltstones over a quartz conglomerate.

TARGET

Mineralisation in the Adelaide River Mine is disseminated pitchblende with associated pyrite and chalcopyrite with very minor but important arsenopyrite. The programme was to locate extensions or other similar occurrences and to test the conglomerates for possible Au, Ag mineralisation.

WORK DONE

The main effort for the year was put into research and data collecting with only minor amounts of field work.

Field work consisted of a small stream bed sampling and panning programme with minor rock chip sampling resulting in three samples being submitted to Analabs for base and noble metal analysis.

RESULTS

Results of panning stream bed samples were disappointing with no gold or silver mineralisation being detected. Results from the three samples submitted for analysis are shown below.

SAMPLE NO.	Ni ppm	Cu ppm	As ppm	Mo ppm	Ag ppm	Sn ppm	Ta ppm	Au ppm	Pb ppm
AD 1	-	-	-	4	x	10	x	x	-
AD 2	-	-	-	4	0.5	9	x	x	-
AD 3	25	15	610	-	x	-	-	x	x

EXPENDITURE

	\$
VEHICLE & FUEL	240
LABOUR	1,640
CLERICAL	60
FOOD & ACCOMODATION	150
ANALYSIS	130
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	\$2,200
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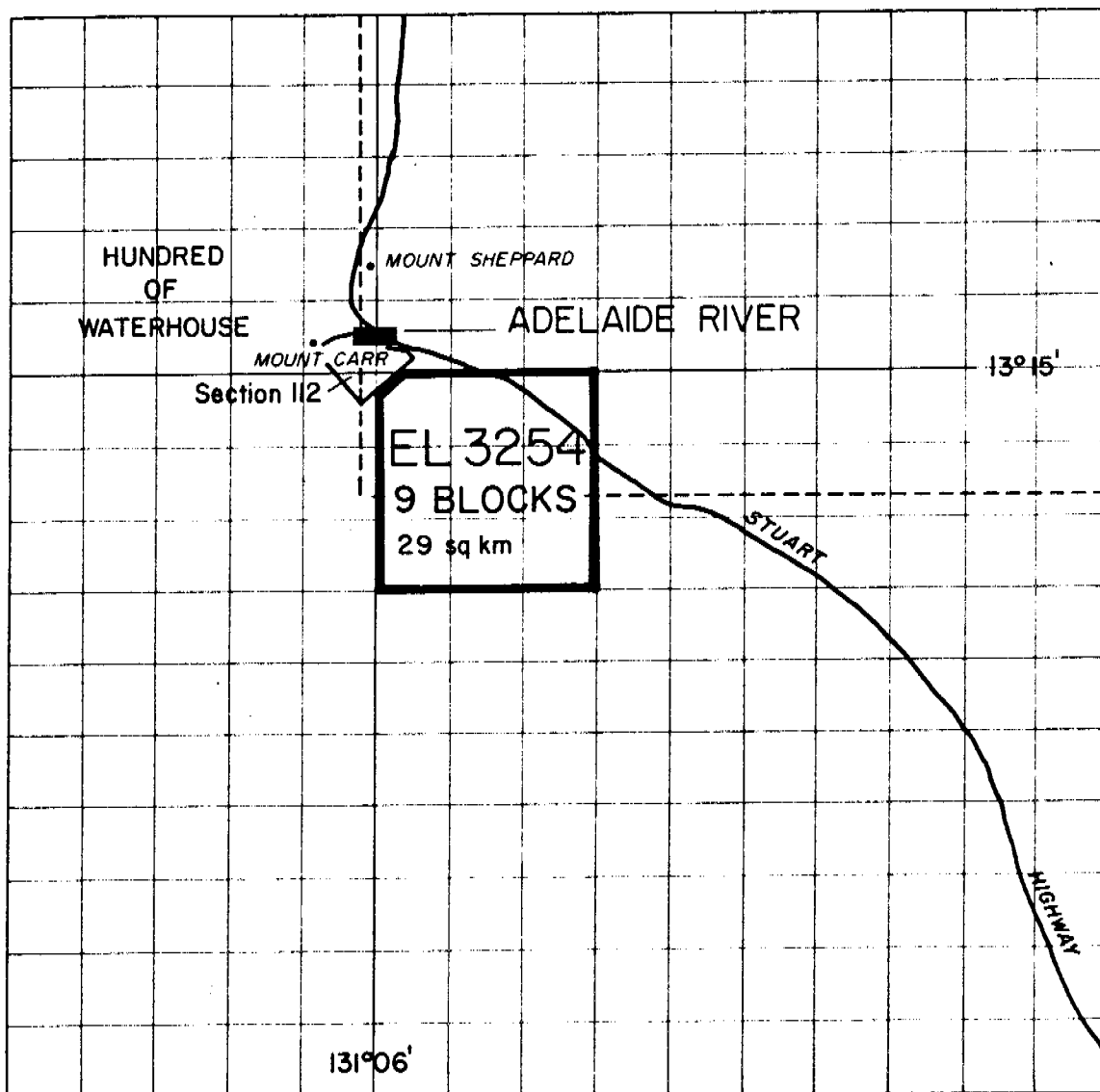
Estimated Expenditure for the First year of Tenure was \$7,500 - under expenditure totalled \$5,280.

CONCLUSIONS

While the potential still exists for Au, Ag and further uranium mineralisation, the poor results from the first year's work do not justify further expenditure at this stage.

Several companies were contacted with a view to entering into a joint venture. However, in the light of the present exploration situation and the poor results so far, the attempt to find a partner failed. In consequence, it was decided to surrender Exploration Licence 3254.

Plan of Area



MAP REFERENCE:
SHEET 14/2 1:100,000
BATCHELOR

BLOCKS 5617 5618 5619
5717 5718 5719
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