

6042

COMMONWEALTH OF AUSTRALIA

---

DEPARTMENT OF NATIONAL DEVELOPMENT  
BUREAU OF MINERAL RESOURCES  
GEOLOGY AND GEOPHYSICS

---

RECORDS

---

1955/2

RADIOACTIVE SURVEYS KATHERINE - DARWIN AREA  
REPORT ON ACTIVITIES OF THE DARWIN URANIUM GROUP

By

D.E. GARDNER

RADIOACTIVE SURVEYS KATHERINE - DARWIN AREA

REPORT ON ACTIVITIES

of the

DARWIN URANIUM GROUP

December, 1954

1955/2

ADMINISTRATIVE SECTION.

STAFF

Mr. J. H. Lord, Senior Geologist, commenced recreation leave on 3rd December. During his absence, Mr. D. E. Gardner, Senior Geologist, will be in charge of the Darwin Uranium Group.

Field Assistants G. Kelly, H.J. Simper and J. Grigas resigned on the 18th, 15th and 2nd December, respectively. Motor Driver L. Jones resigned on 15th December.

WINNELLIE STORE

Stores are being sorted and classified in preparation for stocktaking.

RADIOMETRIC LABORATORY

During the month 52 assays were done.

Forty-one instruments were repaired. Of these, 14 were for private persons.

TRANSPORT

Vehicles are being overhauled in preparation for the 1955 field season.

VISITORS

Mr. L. C. Noakes, Assistant Chief Geologist, visited the Darwin Office during December, and made brief inspections of the Rum Jungle and Manton Dam areas.

TECHNICAL SECTION

A.B.C. PROSPECT

A deep hole about 1000 feet north of the prospect is still being drilled. Apart from this, the work on the prospect

and on the A.B.C. Reservation has been completed. A report on the Reservation is being compiled.

#### ADELAIDE RIVER PROSPECT

A diamond drill hole was probed for the Company during December.

#### BURRUNDIE PROSPECT

Drilling was completed at this prospect on 22nd December, 1954.

The drill passed through argillaceous siltstone for 185 feet and then entered diorite which continued to the end of the hole at 218 feet.

Radiometric logging proved the radioactivity in the hole to be very low. No uranium minerals were found in the core.

The report on diamond drilling at this prospect is nearly completed.

#### EDITH RIVER PROSPECT

The final report has been completed.

#### GEORGE CREEK PROSPECT

Geological and structural mapping and costeaning were continued on George Creek Prospect in December. A new shallow costean was commenced on the southwestern end of the prospect where torbernite was encountered and 5500 counts per minute on PRM - 200 Geiger counter obtained. A Progress Report was written.

#### MANTON DAM AREA

A road suitable for use in wet weather has been bull-dozed to the area. The localities of the self potential anomaly and the radiometric anomaly were inspected. It was decided during a discussion with Mr. L. C. Neakes, that geological mapping and sampling of the radiometric anomaly in the Crater Formation could best be done when drilling commences on the S.P. anomaly.

*D. E. Gardner*