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DEPARTMENT OF NATIONAL DEVELOPMENT.
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS.

RECORDS.

1955/42

RADIOACTIVE SURVEYS KATHERINE - DARWIN AREA

REPORT ON ACTIVITIES

of the

DARWIN URANIUM GROUP

March, 1955

by

J. H. Lord.



1955/42

A

DARWIN. N.T.

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- 1. Radiometric Log of Diamond Drill Hole No. 2 at George Creek, N.T.**
- 2. Geological Plan of George Creek Prospect, showing drill hole positions.**
- 3. Radioactive Log of Diamond Drill Hole No. 11 at Adelaide River Prospect, N.T.**

ADMINISTRATIVE SECTION.

STAFF

Movements:

T. Hocking, clerk, commenced recreation leave on 14th March.

D. B. Dow, geologist, commenced duty in Darwin on 21st March.

W. Burns, senior radio technician, commenced recreation leave on 21st March.

J. B. Firman, geologist, resumed duty after recreation leave on 28th March.

Additions:

T. L. Evans, field assistant, commenced duty on 24th March.

Resignations:

Nil.

HOUSING.

The houses are progressing very slowly at Fannie Bay. The house promised by Department of Works at the end of March is not ready and the Department now estimates that two houses will be finished by the 14th April. The houses have been inspected and the present stage of construction of each is shown in Appendix I. It is considered doubtful that any of the houses will be completed before the end of April.

WINNELLIE STORE.

A stock-taking of all camping equipment has been completed. Equipment is now being assembled and repaired ready for issue to the various field parties.

TRANSPORT.

The overhauling of all regional landrovers, trucks, water-trailers and auxiliary engines has been completed. The vehicles will be painted during April.

The vehicles of the resident staff and mining section vehicles should be completely overhauled by the end of April.

RADIOMETRIC LABORATORY.

During March the laboratory completed 99 radiometric assays and 45 absorption tests.

Thirty-one instruments were repaired of which fourteen were for private persons.

VISITORS

Mr. Henry Hough, of the Uranium Magazine and his American tourists visited the Darwin office on 20th March. They were shown the laboratory and informed of the activities of the Bureau in the Northern Territory.

On 21st March the party made a brief inspection of the George Creek Prospect.

The newly-formed Chamber of Mines, who acted as hosts for the visitors, requested the courtesies.

TECHNICAL SECTION

A.B.C. PROSPECT

The geologists concerned are awaiting petrological results, before completing the reports on this prospect.

CORONATION HILL PROSPECT.

The report of work done on this Prospect last season has almost been finalised by Mr. D. E. Gardner. A drilling programme on the original find will be recommended for the coming season.

Preparations have commenced to establish a camp for the season at Coronation Hill. If there is no further heavy rain it should be possible to move into the area early in May.

If staff is available, it is hoped to carry out geophysical work on the two prospects reported last season on the B.M.R. reservation (see Records 1955/4). This will be followed by detailed geological work and costeaning if necessary.

GEORGE CREEK PROSPECT.

Drilling has continued on this Prospect throughout the month.

Diamond Drill hole No. 2 was deepened from 150 feet to 351 feet, where it was stopped. The hole was probed and the interesting results are shown on Plate I.

All the core has not been submitted to assay but the section 48'3" to 49'6" assays 0.35% U_3O_8 . This zone can be correlated with a torbernite-rich shear³ located on the surface.

Diamond Drill hole No. 3 (see Plate 2) was commenced and was down to 80 feet at the end of the month.

A bulldozer has been engaged on the prospect throughout the month, cutting costeans and benches where required. Hand costeans have also been dug.

Where the costeans have been on shears carrying torbernite the ore broken has been placed in drums. There are now a few tons ready to be shipped for treatment.

ADELAIDE RIVER PROSPECT.

One bore hole (No. 11) was probed and the result is shown on Plate 3.

The winze being sunk from the 110-foot level of No. 5 shaft was stopped at a depth of 55 feet, still in primary ore.

The deepening of the No. 5 shaft was re-commenced and it is now down to 165 feet.

MANTON DAM PROSPECT

It has not been possible to commence bulldozing on this Prospect owing to the wet conditions. The area is drying out rapidly and it should be possible to do the required bulldozing early in April.

NEW FINDS.

Rain and grass have continued to make prospecting almost impossible.

No new finds have been reported.

There were 39 Authorities to Prospect held at the end of March with 10 applications pending.

The following is a brief resume of the known activities of the companies in this area during March:-

Brock's Creek Uranium N.L. - Some underground mining and drilling. Also flew 35 square miles with a scintillometer.

North Australian Uranium Corporation N.L. - drilling at Sleisbeck.

Mineral Ventures - prospecting.

United Uranium - Airborne scintillometer and surface prospecting in the South Alligator area.

Uranium Development and Prospecting N.L. - Underground mining and surface drilling at Adelaide River. Prospecting in South Alligator area.

Uranium Holdings N.L. - Airborne scintillometer work in South Alligator area.

MONTHLY CONFERENCE.

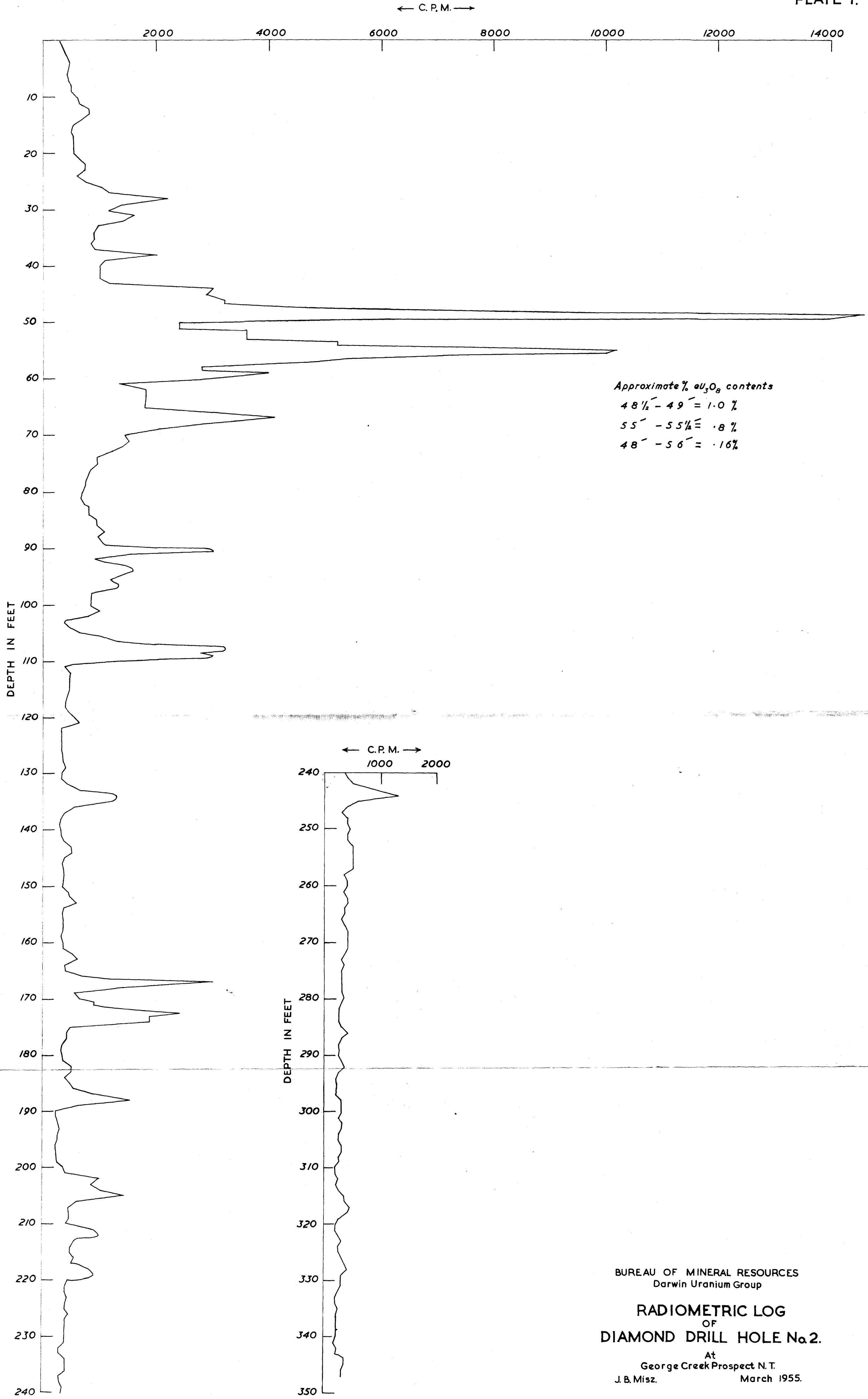
A conference of local resident staff was held at the Darwin office on 4th March to discuss current and future work.

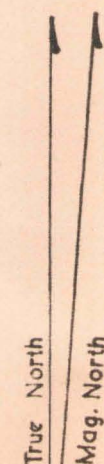
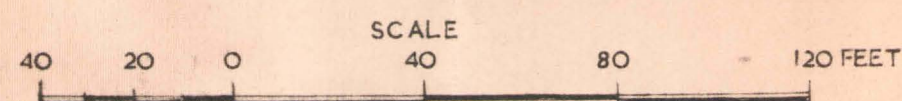
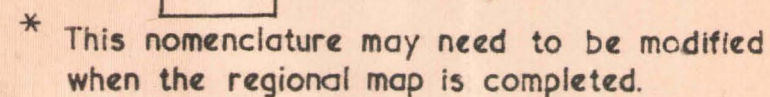
APPENDIX I - POSITION OF B.M.R. HOUSES AT FANNIE BAY,
DARWIN : 31.3.55.

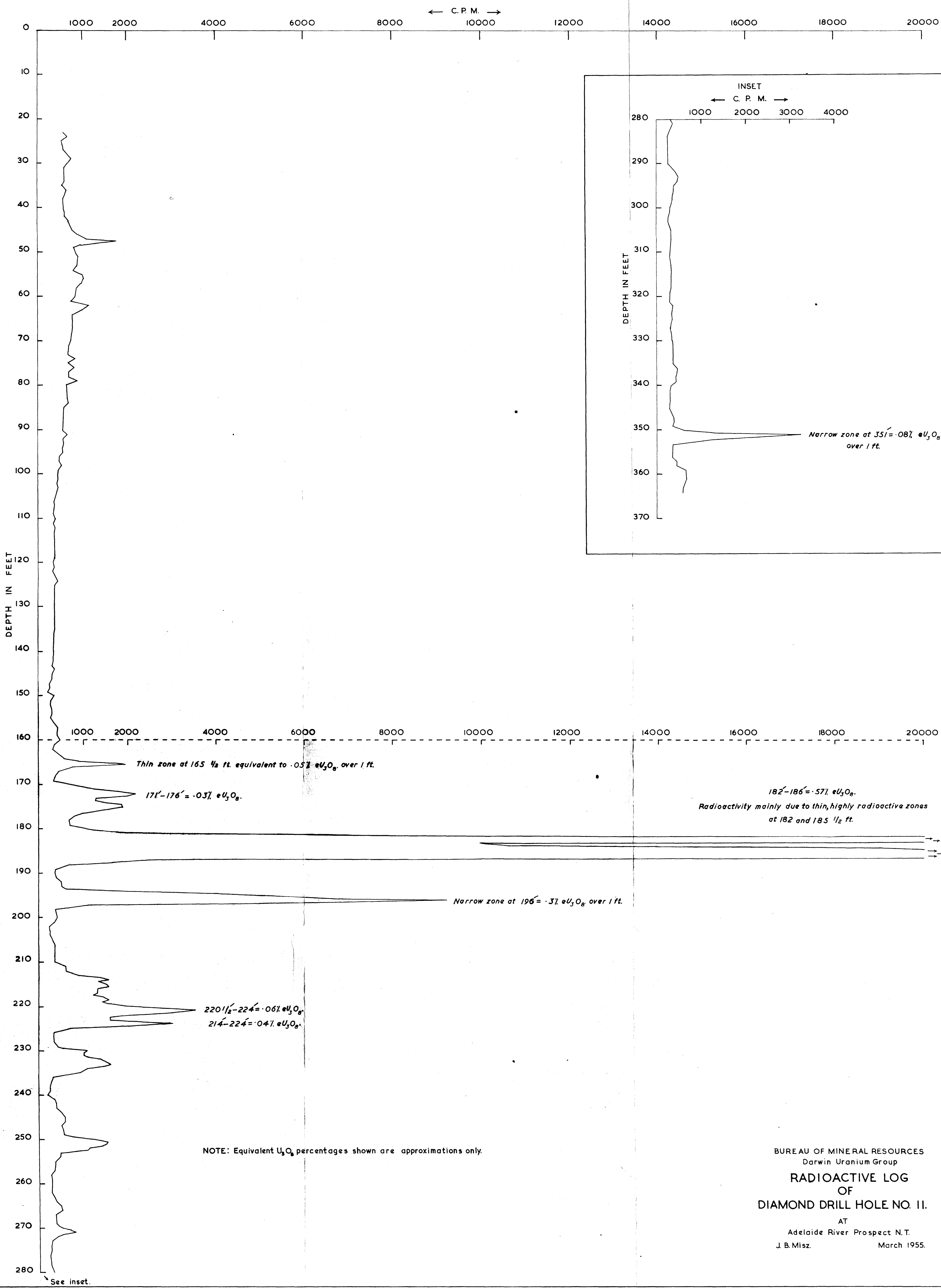
LOT. NO.	PROGRESS OF HOUSE.
2566	Roof and exterior walls completed. Not lined.
2610	Roof and exterior walls completed. Lining interior just commenced.
2609	Exterior completed. Interior required second coat of paint and numerous minor items to be completed.
2608	Exterior and interior completed but not painted. Builder living in this house.
2607	Porch to be completed and louvres still required. Second coat of paint required interior and exterior.
2606	" " " " " "
2605	Porch to be completed and louvres still required. Requires painting internally and externally also numerous minor items to be completed.
2604	" " " " " "
2583	Roofed but exterior walls not completed
2576	" " " " " "
2581	Requires painting externally and internally. Also numerous minor items to be completed.
2579	Frame and roof completed. No walls.

APPENDIX II - URANIUM COMPANIES AND SYNDICATES OPERATING
IN NORTHERN TERRITORY - 31.3.1955.

Name	Local Represent- ative or Geologist	Southern Connections.
Adelaide River Uranium	J.S. Higgins	
Australian Mining & Smelting Co. Ltd.,	H. Brennan	Zinc Corp.
Austral Uranium Co. N.L.	H.W.G. Good	
Brock's Creek Uranium Co. N.L.	E. McDonald	
Centralia Mines N.L.		
Central Uranium N.L.	R. Sprigg	
Coronation Investment Pty Ltd.,		
Enterprise Exploration Co. Pty. Ltd.,	H. Brennan	Zinc Corp.
Gold Mines of New Guinea		
Metals Exploration Pty. Ltd.,	R. Hare	H.J.C. Connolly
Mineral Ventures N.L.	K. Summers G. Sleiss	Dr. Garretty
North Australian Uranium Corporation	E. Becker	
Northern Territory Prospecting & Development Co. Ltd.,		Hopkins
Rio Tinto Company	R.S. Matheson	
Rum Jungle South Exploration		Ethell
Spring Hill Gold Mine, N.L.		
United Uranium	J. Fisher	Frank Jones
Uranium Corporation of Australia Pty. Ltd.,	Beggs	Rye Park Scheelite
Uranium Investigations (N.T.) Syndicate	Outlack	
Uranium Holdings	W. Smith	C. Donaldson
Uranium Oxide N.L.	Jensen	
Uranium Development (Central Australia)		
Uranium Development & Prospecting N.L.	Coxon & Macdonald	Mr. R. Sprigg
Y.M.G. Syndicate	Young, Maslin & Cousins.	







BUREAU OF MINERAL RESOURCES
Darwin Uranium Group
RADIOACTIVE LOG
OF
DIAMOND DRILL HOLE NO. 11.
AT
Adelaide River Prospect N.T.
J. B. Misz. March 1955.