

BIBLIOGRAPHY OF THE BARKLY TABLELANDS

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This report has been updated to include additional bibliographic references found after the 1998 production.

Eric Rooke, August 1999

INTRODUCTION

The main aim of the “Barkly / Gulf Water Resources Assessment” project entails mapping the regional water resources of the Northern Territory part of the Barkly Tablelands; an area of 160,000km². (Overleaf is a location map of the region with 1:250,000 scale National Topographic Map Series sheet boundaries superimposed). Duties of the project include the assessment of water resource systems and production of a series of water information products (maps and technical reports). This project is funded under the auspices of the National Heritage Trust (National Landcare Program).

The bibliography has been compiled for intended use as a reference resource. A comprehensive list of documents and maps relating to the Barkly region, since European settlement, has been collated and catalogued into discrete subjects; for example “water supply”, “geology”. The entries are sorted alphabetically by the author’s surname. Each entry details the title, author’s name, publisher, published date, library call number (the shelf number), and library in which it is held. The “source” of the document is its printed form; that is, a book, a journal article, a report or a seminar proceedings, etc.

To assist in research, a summary (in some cases an “abstract” or “extract” is quoted) of the document is provided, along with keywords and an ease of reading category. Technical reports; for example, generally use terms and phrases from a specific field; geologists use geological terms to describe rocks and their position in relation to the surrounding environment. Whilst some of these reports are written in technical language, a subject dictionary may assist the reader. The “section of interest” specifies that part of a document which relates specifically to the Barkly Tablelands.

A document may be available in more than one library. When this is the case, the libraries will be separated by a slash (/) in the bibliography. The corresponding library call numbers will be also separated by a slash. There are two Department of Mines and Energy, and two Water Resources Libraries; each respectively in Alice Springs (A) and Darwin (D).

Contact details and hours of business of the libraries appear below. These libraries have a computerised catalogue to assist in searching for general information. All books and documents held in public libraries, including the Northern Territory Library and Northern Territory University Library are listed under the same database (catalogue) system - LINNET. To access a document not in your closest library, request an “inter-library” loan with your librarian. The document will then be sent to your library. The public libraries offer a country borrowers’ service, in which documents can be posted out to the borrower. For information to enrol with this service, contact your closest public library.

The Department of Mines and Energy does not loan documents, however there are facilities to copy documents (reports on microfiche can be printed out). The Water Resources Libraries welcome visitors by appointment only.

LIBRARY SERVICES

ALICE SPRINGS PUBLIC LIBRARY

Phone: 89 50 0544
Hours: 10:00 to 18:00 Mon to Fri
09:00 to 13:00 Sat
13:00 to 17:00 Sun
Address: cnr Leichhardt and Gregory Terraces
Alice Springs, NT, 0870

NORTHERN TERRITORY LIBRARY

Phone: 89 99 7177
Fax: 89 99 6927
Hours: 10:00 to 18:00 Mon to Sat
Address: GPO Box 42
Darwin, NT, 0801
Homepage: www.nt.gov.au/NTL

NORTHERN TERRITORY UNIVERSITY LIBRARY

Phone: 89 46 6219
Fax: 89 45 1317
Hours: 08:30 to 21:30 Mon to Thurs
08:30 to 18:00 Fri
10:00 to 18:00 Sat, Sun & public holidays
The library advises shorter hours during semester breaks.
Address: PO Box 41246
Casuarina, NT, 0811
e:mail: infodesk@library.ntu.edu.au

TENNANT CREEK PUBLIC LIBRARY

Contact: Linda Wizar
Phone: 89 62 2401
Fax: 89 62 2868
Hours: 10:00 to 13:00, 14:00 to 18:00 Tues to Fri
10:00 to 12:00 Sat, Closed Sun and public holidays
Address: PO Box 821
Tennant Creek, NT, 0861
e:mail: tctcnet@topend.com.au

KATHERINE COMMUNITY LIBRARY

Phone: 89 71 1188
Hours: 10:00 to 17:00 Tues to Fri
09:00 to 12:00 Sat
Address: Katherine Town Council Building, Stuart Highway

DEPARTMENT OF MINES AND ENERGY

Darwin

Contact: Vikki Conquest
Phone: 89 99 5202
Fax: 89 99 6824
Hours: 08:00 to 16:20 Mon to Fri
Address: GPO Box 2901
Darwin, NT, 0801

Alice Springs

Contact: Carmel Leonard
Phone: 89 51 5685
Fax: 89 52 7762
Hours: 08:00 to 16:20 Mon to Fri
Address: Po Box 2655
Alice Springs, NT, 0870
E:mail: carmel@dme.nt.gov.au

WATER RESOURCES

Darwin: *Administered by the Parks and Wildlife Library*

Contact: Kris Abbott
Phone: 89 99 4508
Fax: 89 99 4524
Hours: 08:00 to 16:20 Mon to Fri
Address: PO Box 496
Palmerston, NT, 0831
e:mail: krisainne.abbott@nt.gov.au

Alice Springs:

Contact: Scott Balfour
Phone: 89 51 8607
Fax: 89 51 8620
Hours: 08:00 to 16:20 Mon to Fri
Address: PO Box 1512
Alice Springs, NT 0871
e:mail: scotty.balfour@nt.gov.au

WATER SUPPLY

TITLE: <i>Quantity, Quality, Use and Control of the Underground Waters of the Alice Springs and Barkly Tableland Districts of the Northern Territory of Australia</i>
AUTHOR: AIRD, J.A.
PUBLISHER: Department of Territories; Melbourne, Victoria
YEAR PUBLISHED: 1953
SOURCE: Report, short
SUMMARY: This report was compiled from an inspection of 12 pastoral properties in the Alice Springs and Barkly regions. It identifies and reviews previous papers and conferences on artesian water supplies. The report highlights water availability, depths (on the Barkly) at which water may be attained and the quality of water pertaining to its suitability for irrigation and stock watering. This report also looks at water requirements for various pasture species, and suggests methods for improving economic production of fodder. Appendices include definitions of terms, costs of obtaining ground water and using it for fodder production.
KEYWORDS: <u>Subject:</u> <i>Water supply</i> , <u>Aspect:</u> <i>Artesian water availability, water quality, economical water usage</i> , <u>Location:</u> <i>Alice Springs and Barkly regions</i>
SECTION OF INTEREST: Entire report, 30 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 333.9104 AIR
EASE OF READING: Technical report; formal English

TITLE: <i>Review of Australia's Water Resources</i>
AUTHOR: Australian Water Resources Council for the Department of National Resources
PUBLISHER: Australian Government Publishing Service, Canberra
YEAR PUBLISHED: 1976
SOURCE: Book, long
EXTRACT: Australia's water resources are scanty and unevenly distributed in relation to its area. In addition, water availability in general is highly variable. Rainfall, the primary source of surface and underground water varies considerably from place to place, from season to season and from year to year. These factors limit the scope for easy management of the country's water resources. Nevertheless, although Australia is the world's driest continent in terms of average annual runoff per unit area, domestic and industrial water consumption per head of population is comparable to that of other prosperous nations, despite the economic costs associated with the provision of water supplies in such an environment. Includes two maps, both 1:5 000 000 maps: "Principal Groundwater Resources", and "Drainage Divisions and Basins".
KEYWORDS: <u>Subject:</u> <i>Water resources</i> , <u>Aspect:</u> <i>Looks at all aspects of the water resource; includes data for ground water yields and surface water characteristics</i> , <u>Location:</u> <i>Australia-wide</i>
SECTION OF INTEREST: Entire book (170 pages), NT discussed throughout
DOCUMENT LOCATION: Water Resources Library, (A)
LIBRARY CALL NUMBER: 0819
EASE OF READING: Plain English

TITLE: <i>The Development of Water Supply on a Western Queensland Cattle Station</i>
AUTHOR: BAUER, F.H.
PUBLISHER: (? Author)
YEAR PUBLISHED: 1957
SOURCE: Scientific Paper
INTRODUCTION: A mob of mixed cattle drinks seven gallons of water per day. It is a matter of simple arithmetic that 45,000 such cattle will consume 315,000 gallons in the same 24 hours, but when that 315,000 gallons must be pumped from sub-artesian supplies for seven months of the year it becomes a matter of economics rather than arithmetic. This is the situation on Barkly Downs station, a 3400 sq. mile cattle property owned by the Queensland National Pastoral Company and located near Camooweal on the Queensland border. The aim of this paper is to show how a large tract of semi-arid country has, in 80 years, become one of the three largest cattle stations in Queensland. The story is one of water resources and their development. The report also contains a land traverse map - a map that shows bore sites and spot heights.
KEYWORDS: <u>Subject:</u> <i>Water supply for cattle</i> , <u>Aspect:</u> <i>Development of adequate groundwater supply</i> , <u>Location:</u> <i>"Barkly Downs", near Queensland border, south-east of Camooweal.</i>
SECTION OF INTEREST: Entire report, 11 pages (including appendices)
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 636.01 BAU
EASE OF READING: Technical report ; formal English

TITLE: <i>A Preliminary Overview of Groundwater Quality in the Northern Territory</i>
AUTHORS: CHILDS, J. AND MCDONALD, P. for Power and Water Authority, N.T.
PUBLISHER: Australian Geological Organisation Survey
YEAR PUBLISHED: 1993
SOURCE: AGSO Journal of Australian Geology & Geophysics, 14/4, pages 353-359
ABSTRACT: Approximately 25 000 water bores are registered under the Northern Territory Water Act. Entry of bore data (including water quality data) into a computer database has been proceeding for several years. Sufficient entered data for meaningful statistical output is only available for the arid (southern) zone. Preliminary examination of the status of arid zone bores indicate that, while failure to obtain adequate yield is the major reason for unsuccessful drilling, unsuitable water quality has resulted in the rejection of 26% of bores obtaining an otherwise sufficient supply for community water supply purposes.
KEYWORDS: <u>Subject:</u> <i>Ground water quality</i> , <u>Aspect:</u> <i>Water quality data availability; preliminary statistics on data; some comparisons between the arid zone and all N.T.</i> , <u>Location:</u> <i>Arid zone, Northern Territory</i>
SECTION OF INTEREST: Entire report, 7 pages
DOCUMENT LOCATION: Water Resources Library, (A & D)
LIBRARY CALL NUMBER: 43/93
EASE OF READING: Technical report ; formal English

TITLE: <i>Groundwater Resources of Australia</i>
AUTHOR: Department of the Environment & Conservation and Australian Water Resources Council
PUBLISHER: Australian Government Publishing Service; Canberra, A.C.T.
YEAR PUBLISHED: 1975
SOURCE: Book, long
EXTRACT: Water is the most important physical constraint on the pattern of development of Australia - a continent covering eight million km ² , of which more than 50 per cent is classified as arid. Surface water resources have been assessed in some detail. Stream gauging started in 1865, though it expanded mainly in the 20th century and particularly since 1947. In contrast groundwater is far more difficult to observe, gauge and assess, and the state of knowledge of resources is far less advanced. The only early recorded observations are brief records of a few essential springs and wells. Accurate observations and measurements, with a few notable exceptions, developed more slowly than did surface water gauging; and the task of reliably assessing groundwater resources in detail commenced, by and large, only in the 1960's.
KEYWORDS: <u>Subject:</u> <i>Ground water resources and quality</i> , <u>Aspect:</u> <i>All facets of groundwater from history, supply, location to underlying geology</i> , <u>Location:</u> <i>Australia-wide, specific sections on the N.T.</i>
SECTION OF INTEREST: Entire book, 143 pages
DOCUMENT LOCATION: Water Resources Library, (A & D)
LIBRARY CALL NUMBER: 551.49 AUS
EASE OF READING: Plain English; some knowledge of geological terms useful

TITLE: <i>Bore Data - Barkly Tablelands, 1963</i>
AUTHOR: anon.
PUBLISHER: Inhouse report
YEAR PUBLISHED: 1963
SOURCE: Report, short
SUMMARY: The file contains information on all bores through the Barkly Tableland, up to the year of 1963. All bores are listed by the station on which they were drilled, and by the station number. A chemical analysis for the bores is given, and includes information on the depth of the bore, supply, quantity and depth of aquifers (as at 1963).
KEYWORDS: <u>Subject:</u> <i>Bore waters</i> , <u>Aspect:</u> <i>Listing of relevant information</i> , <u>Location:</u> <i>Barkly Tableland</i>
SECTION OF INTEREST: Entire report
DOCUMENT LOCATION: Water Resources Library, (A)
LIBRARY CALL NUMBER: 30.4, R2 05/63
EASE OF READING: Bore listings only

TITLE: <i>Horticultural Water Supply Investigation Tennant Creek Area, N.T.</i>
AUTHOR: Power and Water Authority
PUBLISHER: Power and Water Authority
YEAR PUBLISHED: 1989
SOURCE: Report, short
EXTRACT: The investigation area of 71000 square kilometres centred on Tennant Creek comprises a central strip of basement ranges (the Tennant Creek Block) and portions of major sedimentary basins to the east and west (the Georgina and Wiso Basins respectively). Only the Basins are likely to yield adequate groundwater supplies for large horticultural projects. They contain potentially high yielding limestone and sandstone aquifers of Cambrian age. Based on information from existing bores, six have been identified as having wide extent of low-salinity groundwater and the potential to produce adequate quantities of groundwater. Four are in the Georgina Basin and two are in the Wiso Basin. The area selected as having the best prospects lies on Helen Springs station in the north central part of the investigation area. It is near the western margin of the Georgina Basin. The soil type is Black Soil.
KEYWORDS: <u>Subject:</u> <i>Water supply potential</i> , <u>Aspect:</u> <i>Existing borewater suitability, water supplies based on regional geology, suitable areas for horticulture</i> , <u>Location:</u> <i>Tennant Creek and surrounds, including Helen Springs Station</i>
SECTION OF INTEREST: Entire Report, 39 pages
DOCUMENT LOCATION: Northern Territory Library / Water Resources Library (A & D)
LIBRARY CALL NUMBER: Q 628.72 HOR / 09/90
EASE OF READING: Technical report ; formal English

TITLE: <i>Groundwater in the Barkly Tableland, Northern Territory</i>
AUTHOR: RANDAL, M.A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1967
SOURCE: Book, long
EXTRACT: The Barkly Tableland, which contains some of the best cattle breeding country in northern Australia, lies between Camooweal to the east, Tennant Creek to the west, and the Gulf Divide to the north; the southern boundary is conveniently taken as the Barkly Highway in the west, and the valleys of the Ranken and Georgina Rivers in the east. Only the part of the tableland between the Queensland border and longitude 135° E is discussed. Because of the high evaporation (2540-2790 mm per annum), the low and seasonal rainfall, and the low relief in the downs country, the cattle industry must rely on groundwater during the dry season. Over 450 water bores have been drilled since 1890 to 1966 and the data from them were examined to assist the geological mapping of the Tableland, as the area has very sparse outcrop.
KEYWORDS: <u>Subject:</u> <i>Water supply and quality</i> , <u>Aspect:</u> <i>Waterbore drilling assisting in geological mapping of regional area, water quality from extensive testing</i> , <u>Location:</u> <i>Barkly Tableland between the Queensland border and longitude 135° E</i>
SECTION OF INTEREST: Entire book is 111 pages
DOCUMENT LOCATION: Northern Territory Library / Water Resources Library (A & D) / NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: 551.49 RAN / BMR. bul 09, 50.2 / RC66/11

EASE OF READING: Technical report; some knowledge of groundwater issues useful

TITLE: *The Hydrology of the Eastern Barkly Tableland (Progress Report, 1962)*

AUTHOR: RANDAL, M. A.

PUBLISHER: Department of National Development and Bureau of Mineral Resources, Geology and Geophysics

YEAR PUBLISHED: 1962

SOURCE: Report, short

EXTRACT: The Bureau of Mineral Resources mapped the Ranken and Avon Downs 1:250 000 Sheet areas in 1961. These areas, which make up the north-eastern part of the Georgina Basin, also form the eastern part of the Barkly Tableland. The region contains vast rolling downs which support a food growth of Mitchell grass suitable for an extensive cattle industry. However, because of the low seasonal rainfall, low relief and high evaporation, the region is particularly poor in natural surface waters and in features which would assist the conservation of surface waters. During the survey, information on 125 bores was obtained and collated to evaluate the underground water resources of the region for its present and future development. Ninety-six bores are currently operating (as at 1961) in the region, and they are tapping sub-artesian water from Lower Palaeozoic aquifers between 80 and 200 metres above sea-level.

KEYWORDS: Subject: *Surface and ground waters*, Aspect: *surface water river systems divided into drainage basins and ground water data collection and interpretation*, Location: *Covers Ranken and Avon Downs 1:250 000 Sheet areas*

SECTION OF INTEREST: Entire report, 14 pages

DOCUMENT LOCATION: Water Resources Library (A) / NT Department of Mines and Energy (A & D)

LIBRARY CALL NUMBER: currently uncatalogued / RC62/061

EASE OF READING: Technical report; some knowledge of geology essential

TITLE: *Groundwater in the Northern Wiso Basin and Environs, Northern Territory*

AUTHOR: RANDAL, M. A.

PUBLISHER: Bureau of Mineral Resources, Geology and Geophysics; Australia

YEAR PUBLISHED: 1969

SOURCE: Report, short

EXTRACT: The region is arid to semi-arid, notwithstanding good grazing lands occur in the eastern, northern and western parts, and cattle stations, small towns and settlements have been established. Because of seasonal and sparse rainfall the surface water resources of the region are meagre and both pastoral and community development are largely dependent on the availability of reasonable quality groundwater. This study examined the data from over 500 water bores and the regional geological mapping, supplemented by scouthole drilling and 176 chemical analyses of groundwater from selected bores, in an attempt to relate the groundwater regime to the regional geological environment.

KEYWORDS: Subject: *Water supply and geology of Wiso Basin*, Aspect: *Groundwater storage and availability depending on regional geology*, Location: *Wiso Basin occupies a region between latitudes 15°S and 21°S, and the Stuart Highway and eastern and southern watersheds of the Victoria River. The eastern range incorporates the western and north-western parts of the Barkly Tablelands.*

SECTION OF INTEREST: Entire report

DOCUMENT LOCATION: Water Resources Library (A & D)

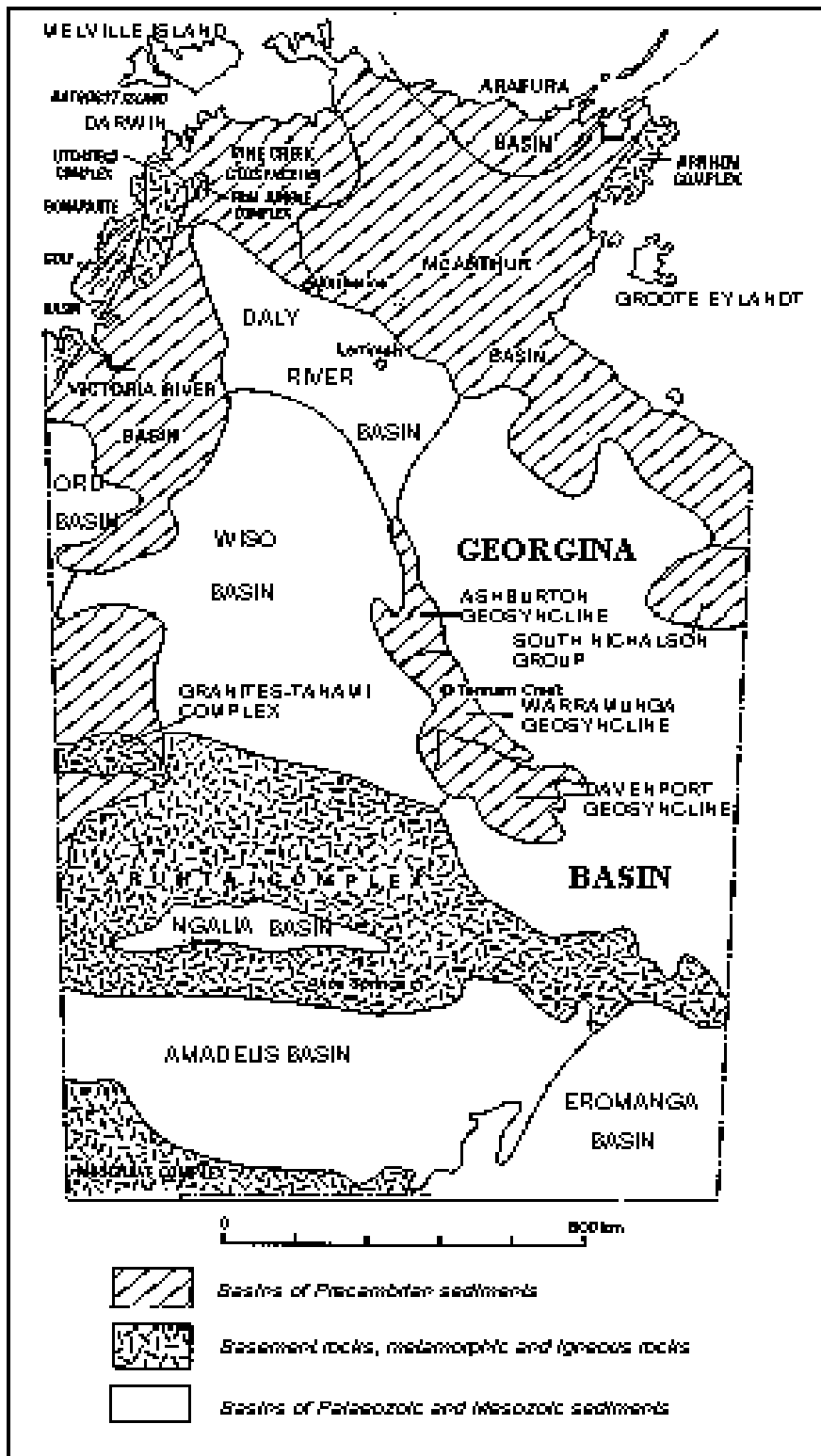
LIBRARY CALL NUMBER: BMR. bul 123, 50.2

EASE OF READING: **Technical report**; some knowledge of geology useful

TITLE: <i>Regional Groundwater Chemistry, Northern Territory</i>
AUTHOR: TICKELL, S. J. for Power and Water Authority, N.T.
PUBLISHER: In-house report in conjunction with the National Landcare Program
YEAR PUBLISHED: 1994
SOURCE: Report, short
ABSTRACT: A southward increase in the average concentration of the major dissolved constituents (chemical salts) of groundwaters in the Northern Territory corresponds to the change from a humid climate in the north to arid in the south. The interplay between rainfall and evaporation is considered to be the main controlling factor. Biochemical weathering of rocks is most active in the humid zone where it provides the main source of dissolved solids. In the arid zone weathering is of lesser importance and the input of airbourne salts, although small in magnitude, constitute the main source.
KEYWORDS: <u>Subject:</u> <i>Groundwater supply and quality</i> , <u>Aspect:</u> <i>Change in water chemistry from humid to arid zones; effects of rainfall and evaporation on this trend</i> , <u>Location:</u> <i>Northern Territory</i>
SECTION OF INTEREST: Entire report, 16 pages; excluding maps & water quality data
DOCUMENT LOCATION: Water Resources Library, (A & D)
LIBRARY CALL NUMBER: 53/94
EASE OF READING: Technical report ; formal English, some knowledge of groundwater issues useful

TITLE: <i>Papers: Arid Zone Water Conference, 11-14 April 1991, Alice Springs</i>
AUTHOR: MCDONALD, P., et al.
PUBLISHER: Conference Proceedings, abstracts published by Bureau of Mineral Resource, Geology and Geophysics
YEAR PUBLISHED: 1991
SOURCE: Conference Proceedings; BMR Journal of Australian Geology and Geophysics 12, 3, 265-278
EXTRACT: The conference, held at Alice Springs in 1991, was organised by the ANU Centre for Continuing Education (as one of its series on Issues in Water Management) in cooperation with the BMR and Northern Territory Power & Water Authority. It was attended by 125 people, representing community organisations, government agencies and mining companies. The conference was opened by the Hon. Fred Finch, Northern Territory Minister for Transport and Works, and the keynote address was given by the Hon. Ernie Bridge, Western Australia Minister for Water Resources. The conference drew attention to the special needs of arid zone communities, which result from low population, remoteness, high climatic extremes, and variability of resources available. Assessment, development and operation of water supply systems is therefore expensive. On a national scale, arid zone hydrological and water supply problems have been given relatively little attention compared with the problems of major cities and agricultural regions.
KEYWORDS: <u>Subject:</u> <i>Groundwater</i> , <u>Aspect:</u> <i>Availability, quality, resource development and management</i> , <u>Location:</u> <i>Arid zones - Australia</i>
SECTION OF INTEREST: Various subjects, entire proceedings
DOCUMENT LOCATION: Water Resources Library, (A & D)
LIBRARY CALL NUMBER: A0590
EASE OF READING: Formal English; some knowledge of groundwater issues useful

GEOLOGY



TITLE: <i>1:250000 Metallogenic Map Series, Calvert Hills SE 53-8</i>
AUTHOR: AHMAD, M. and WYGRALAK, A. S.
PUBLISHER: Northern Territory Geological Survey; Darwin, N.T.
YEAR PUBLISHED: 1989
SOURCE: Report, long
ABSTRACT: 1:250000 metallogenic map series explanatory notes and mineral deposit data sheets. This report is based on field work carried out by the NT Geological Survey during 1982-85. It introduces the sheet area and details the tectonic setting and stratigraphy. It also covers structure, geological evolution and minerals found in the area (for example manganese, lead and zinc). Ground water is also addressed.
KEYWORDS: <u>Subject:</u> <i>Mineral exploration</i> , <u>Geology:</u> <i>Sedimentary, contain some volcanics</i> , <u>Period:</u> <i>Proterozoic, Cambrian, Cretaceous, Cainozoic</i> , <u>Province:</u> <i>McArthur Basin, South Nicholson Basin and Lawn Hill Platform</i> , <u>Structure:</u> <i>Murphy Tectonic Ridge</i> , <u>Location:</u> <i>Northeastern NT, borders on Queensland</i>
SECTION OF INTEREST: Entire report, 55 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 559.2495 AHM
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>The 1968 Bureau of Mineral Resources Drilling Programme in the Alexandria - Wonarah Area, Northern Territory</i>
AUTHORS: BASTIAN, L. V. and THIEME, R.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1970
SOURCE: Report, short
SUMMARY: The objectives of the program were to study the depositional environment of phosphate, relationships between some of the various formations known from surface exposures and of special importance, to determine the lateral extent of Camooweal dolomite, a large area east of the drill holes. Six holes were drilled, located north of the Barkly highway between Soudan and Alroy Downs homesteads. A three fold subdivision is seen in the Cambrian rocks of these holes; i) lower fawn-tan dolomite unit (unit B), ii) grey silty limestone/dolomite unit (unit C) and iii) upper varicoloured limestone/dolomite siltstone (unit D). (Unit A is the basement.)
KEYWORDS: <u>Subject:</u> <i>Geological survey</i> , <u>Geology:</u> <i>Sedimentary, Igneous</i> , <u>Period:</u> <i>Precambrian, Cambrian</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Few outcrops in the area</i> , <u>Location:</u> <i>Alexandria - Wonarah areas</i>
SECTION OF INTEREST: Entire report, 32 pages (excluding appendix)
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1970/114
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Report on Main Carbonate Sequence of Lake Nash Well No. 1 (Amalgamated Petroleum N.L.)</i>
AUTHOR: BROWN, M.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1965
SOURCE: Report, short
SUMMARY: Detailed examination of the Lake Nash No. 1 section above 300 metre depth has shown that the carbonate rocks can be subdivided into 7 lithological units, some of which are sufficiently distinctive and may be laterally persistent enough to be useful markers. The limestone interval may not persist laterally but the interval with silt and clay-rich carbonates of which it forms approximately the lower half, may be more persistent laterally. Skeletal remains of organisms are more abundant than previous work would indicate. This applies especially to the dolomites below the limestone interval.
KEYWORDS: <u>Subject:</u> <i>Carbonate sequence study</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Lake Nash Anticline, an east-west trending structure</i> , <u>Location:</u> <i>Northeastern Northern Territory, near Queensland border</i>
SECTION OF INTEREST: Entire report, 7 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1965/149
EASE OF READING: Technical report ; some knowledge of geology useful

TITLE: <i>Middle and Upper Cambrian Sedimentary Rocks in the Northern Part of the Northern Territory</i>
AUTHOR: BROWN, M. C.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1968
SOURCE: Report, short
SUMMARY: The report focuses mainly on the petrology of Middle to (?) Upper Cambrian rocks covered by younger sedimentary rocks and superficial deposits of the Beetaloo and Helen Springs Sheet areas. Scree and blocks of the more resistant rock types form the Cambrian crop out through most of the region. Bore hole cuttings and cores have provided a basis for the lithologies of the Middle Cambrian rocks to be determined.
KEYWORDS: <u>Subject:</u> <i>Petrological study</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Cambrian</i> , <u>Province:</u> <i>NW Georgina Basin</i> , <u>Structure:</u> <i>Difficult to assess, little surface exposures</i> , <u>Location:</u> <i>Beetaloo and Helen Springs Sheet areas</i>
SECTION OF INTEREST: Entire report, 26 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1968/115
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>1:250000 Geological Map Series Explanatory Notes, Beetaloo, N.T.</i>
AUTHOR: BROWN, M. C., and RANDAL, M. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1969 (?)
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering Sheet SE/53-6 of Beetaloo in the Northern Territory. This sheet covers the north-western portion of the Barkly Tableland. The settlements covered by the sheet are Elliott and the Beetaloo homestead. A brief summary of the ambient climate and previous investigations is given. Natural features and stratigraphy are described in detail. The report concludes with a geological history of the region, economic geology and hydrology (ground and surface waters).
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary, Volcanics</i> , <u>Period:</u> <i>Proterozoic, Cambrian, Lower Cretaceous</i> , <u>Structure:</u> <i>Southern section: the axes of folds and the faults are mostly parallel to the general trend of the range</i> , <u>Location:</u> <i>Between latitudes 17°00'S and 18°00'S and longitudes 133°30'E and 135°00'E</i>
SECTION OF INTEREST: Entire report, 14 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 BRO
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>A review of Petroleum Exploration and prospects in the Georgina Basin</i>
AUTHORS: DRAPER, J. J., SHERGOLD, J. H., and HEIGHWAY, K. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1978
SOURCE: Report, long
SUMMARY: The report delivers a general review of the geology, geophysics and petroleum prospects for the Georgina Basin, from information available to date (as at 1978). A sequence of sedimentary rocks of Late Proterozoic to Devonian in age comprise the Georgina Basin. Twenty exploratory petroleum wells have been drilled, and several stratigraphic holes in the Georgina Basin have found traces of hydrocarbons. In the Middle Cambrian sequences especially, possible source rocks have been found. Much of the basin has, however some sort of water flushing or biodegradation that will restrict prospecting to the deeper portions of the Toko Syncline, where water flushing has not occurred.
KEYWORDS: <u>Subject:</u> <i>Petrology review</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Late Proterozoic era - Devonian</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Toko Syncline</i> , <u>Location:</u> <i>20 wells drilled throughout Georgina Basin</i>
SECTION OF INTEREST: Entire report, 63 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1978/10
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>Landscape Evolution on the Barkly Tableland</i>
AUTHOR: EDGOOSE, C. J. and WINSTANLEY, K. T.
PUBLISHER: Australian Geological Survey Organisation; Canberra, A.C.T.
YEAR PUBLISHED: 1994
SOURCE: Scientific Paper, presented at the Australian Regolith Conference, 14-17 Nov 1994, Broken Hill, N.S.W.
ABSTRACT: The Barkly Tableland NT is characterised by extensive flat to undulating black soil plains or downs country. The landscape has probably been an area of subdued to flat topography for at least 500 million years. While the Tableland appears to be uniform, this perception is purely one of scale and comparison. The landscape is diverse and continually subject to change, via some unusual mechanisms which are a function of a unique geological history, soil type, climatic fluctuation and lack of slope. Study of the geological, geomorphological and climatic history demonstrates that even areas that on a large scale have changed little over immense periods of time can be dynamic.
KEYWORDS: <u>Subject:</u> <i>Geological survey</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Proterozoic, Cambrian, Cretaceous, Tertiary - Quaternary</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Dominant exposures low ranges to south and south-east of Barkly Tableland</i> , <u>Location:</u> <i>Central east of the Northern Territory, small area west Queensland</i>
SECTION OF INTEREST: Entire paper, pages 54-57 inclusive
DOCUMENT LOCATION:
LIBRARY CALL NUMBER:
EASE OF READING: Technical report; sound knowledge of geology essential

TITLE: <i>Notes on the Calvert Hills 4 Mile Geological Sheet SE/53-8</i>
AUTHOR: FIRMAN, J. B.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1959
SOURCE: Report, short
ABSTRACT: Explanatory notes to the Calvert Hills 4 Mile Geological Sheet. A brief introduction to the Calvert Hills region precedes geological information. Calvert Hills area contains rocks from the Precambrian era, Upper Proterozoic, Upper Jurassic and Lower Cretaceous. The area contains volcanic and sedimentary rocks. Small deposits of uranium, copper, tin and gold are present in Precambrian rocks, and copper, uranium and manganese in the Proterozoic sequences. Some of the sedimentary rocks are aquifers.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary, Igneous</i> , <u>Period:</u> <i>Precambrian - Lower Cretaceous</i> , <u>Province:</u> <i>McArthur Basin, South Nicholson Basin, Lawn Hill Platform</i> , <u>Structure:</u> <i>Calvert Hills Fault</i> , <u>Location:</u> <i>Calvert Hills Sheet</i>
SECTION OF INTEREST: Entire report, 12 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1959/50
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>Summary of the Palaeontology of the Barkly Tableland Region</i>
AUTHOR: GATEHOUSE, C. G.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, short
INTRODUCTION: This record is a summary of the palaeontology of the Brunette Downs, Alroy and Avon Downs Sheet areas as presented in published and unpublished papers. The purpose of the paper is as a supplement to the explanatory notes on the above four-mile sheet areas. No new work is presented here other than the updating of some of the fossil lists by Dr A. A. Opik. At the end of this paper is a list of all known fossiliferous localities from each of the sheet areas.
KEYWORDS: <u>Subject:</u> <i>Paleontological review</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Cambrian, Tertiary</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Location:</u> <i>Brunette Downs, Alroy and Avon Downs Sheet areas</i> .
SECTION OF INTEREST: Entire review, pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1966/216
EASE OF READING: Technical review ; Scientific format

TITLE: <i>1:250000 Geological Map Series & Explanatory Notes, Mount Young</i>
AUTHORS: HAINES, P. W., PIETSCH, B. A., RAWLINGS, D. J., MADIGAN, T. L., and geophysics by FINDHAMMER, T. R. L.
PUBLISHER: Northern Territory Geological Survey
YEAR PUBLISHED: 1993
SOURCE: Report, long
SUMMARY: 1:250000 geological map series explanatory notes and mineral deposit data sheets for Mount Young SE 53-15. This report details the habitation, access, landuse, climate, physiography and vegetation of the Mount Young area. It covers the regional geological setting, stratigraphy, tectonics, geochemistry and geophysics of the area. The report concludes with a geological history and the minerals in the area that are of an economic value.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Province:</u> <i>McArthur Basin</i> , <u>Structure:</u> <i>Tawallah Range, Yiyinti Range</i> , <u>Location:</u> <i>Between latitudes 15⁰⁰'S and 16⁰⁰'S and 135⁰⁰'E and 136³⁰'E</i>
SECTION OF INTEREST: Entire report, 81 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 559.4295 MON
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Geological Report on the Darwin Mining District, McArthur River District and the Barkly Tableland</i>
AUTHOR: JENSEN, H. I.
PUBLISHER: Department of External Affairs; Melbourne, Victoria
YEAR PUBLISHED: 1914
SOURCE: Report, short
ABSTRACT: The selected section addresses geology from McArthur Station to Camooweal, detailing the Perplexity Creek district and Guano Creek. It provides detail on the geological features and soils of this area, gathered from the travels of Jensen throughout the Barkly Tableland. Examinations of the Hampton, Duchess, Australia and Federal mine sites and their features of geological importance are covered in this piece.
KEYWORDS: <u>Subject:</u> <i>Geological survey</i> , <u>Geology:</u> <i>Sedimentary, Volcanics</i> , <u>Province:</u> <i>McArthur Basin, Georgina Basin</i> , <u>Location:</u> <i>McArthur station to Camooweal</i>
SECTION OF INTEREST: pages 28-30 inclusive
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: 559.4295 JEN
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>BMR No 11. Electrical and Gamma-ray Logging, Georgina Basin, Northern Territory 1963</i>
AUTHORS: JESSON, E. E., RADESKI, A. and WIEBENGA, W. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1964
SOURCE: Report, short
ABSTRACT: Electric and gamma-ray logs were run for the Bureau of Mineral resources stratigraphic bore BMR 11, Cattle Creek, Northern Territory. The logs reflect the presence of two dolomite formations separated by a dololite formation between 200 and about 240 metres. The dololite formation characterised by a low resistivity and a high gamma-ray anomaly, may serve as a marker bed for future exploration work in the area.
KEYWORDS: <u>Subject:</u> <i>Stratigraphic bore</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Precambrian - Tertiary</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Location:</u> <i>Cattle Creek, Avon Downs 1:250000 Sheet area</i>
SECTION OF INTEREST: Entire report, 7 pages (excluding photographic plates)
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1964/85
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Completion Report BMR No.11 Well, Cattle Creek, Northern Territory</i>
AUTHOR: JOHNSON, N. E. A., NICHOLS, R. A. H., and BELL, M. D.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1964
SOURCE: Report, short
SUMMARY: The objectives of the project were to determine the thickness of the Camooweal dolomite; to examine formations (if any) between the Camooweal Dolomite and the top of the Precambrian units; to determine the depth of the base of Cambrian rock and to gain information on the permeability and porosity of rocks penetrated. Quaternary soil and gravel was penetrated from the surface to 6 metres, Cambrian carbonate sequence from 6-470 metres and Upper Proterozoic or Lower Cambrian sandstone from 470 metres to total depth. Through several levels between 180-470 metres, fossils of probably Middle Cambrian in age were found. The well produced large volumes of water, although no drawdown measurements are available.
KEYWORDS: <u>Subject:</u> <i>Petroleum exploration</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Upper Proterozoic, Cambrian</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Location:</u> <i>Cattle Creek, Barkly Tableland, 20 miles west-south-west of Camooweal</i>
SECTION OF INTEREST: Entire report, 17 pages (excluding appendices)
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1964/45
EASE OF READING: Technical report ; some knowledge of geology useful

TITLE: <i>Possible Tertiary Marine Fossils From the Brunette Limestone, Barkly Tableland, Northern Territory</i>
AUTHOR: LLOYD, A. R.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1963
SOURCE: Report, short
SUMMARY: A sample of richly fossiliferous limestone, conglomeratic in parts from the Brunette Limestone, Barkly Tableland was examined to determine its age and environment of deposition. Gastropods, pelecypods, foraminifers and an ostracod were freed from the matrix for study. The rock was probably aged between Lower Miocene and Pliocene. From the fossil evidence, it is considered that the sample of limestone was deposited in a shallow water marine, lagoonal or brackish water environment near a freshwater source. These environments are found in the seas near river mouths or in near shore salt water lagoons with freshwater inlets. The Brunette Limestone, has previously been considered to be lacustrine in origin (Randal and Brown, 1962), therefore the presence of these marine organisms could be explained by a small marine transgression entering this lacustrine environment. However, the isolated nature of the outcrop does not allow a definite conclusion to be reached. The report contains an appendix written by P. J. Jones, "The Occurrence of the Ostracod Haplocytheridea in the Brunette Limestone, Barkly Tableland, Northern Territory."
KEYWORDS: <u>Subject:</u> <i>Marine fossils</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Tertiary</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Location:</u> <i>Rockhampton Downs, Anthony Lagoon Road</i>
SECTION OF INTEREST: Entire report, 6 pages (including appendix)

DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1963/90
EASE OF READING: Technical report; scientific report
TITLE: <i>The Bureau of Mineral Resources Georgina Basin Core Drilling Program</i>
AUTHOR: MILLIGAN, E. N.
PUBLISHER: Department of National Development and the Bureau of Mineral resources, Geology and Geophysics
YEAR PUBLISHED: 1963
SOURCE: Report, short
SUMMARY: The Georgina Basin contains sediments from the Lower Paleozoic era and is bounded by Precambrian sediments, metamorphics and intrusives which crop out in the southern, eastern and central western localities. The southeastern and northwestern extent is covered by Mesozoic rocks. A shallow core drilling program consisting of 16 sites recovered a wide range of fresh lithologies of the Lower Paleozoic sedimentary rocks. Individual cores were examined for macrofossil material, sedimentary structures and reservoir characteristics of the rocks.
KEYWORDS: <u>Subject:</u> <i>Petrology study</i> , <u>Geology:</u> <i>Mainly sedimentary</i> , <u>Era:</u> <i>Cambrian, Ordovician</i> , <u>Province:</u> <i>Barkly Basin, Undilla Basin and Ohan Basin</i> , <u>Location:</u> <i>16 drilling sites throughout Georgina Basin</i>
SECTION OF INTEREST: Entire report, 30 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1963/86
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>Stratigraphy, Potential Source Rock and Petroleum Geochemistry of Western Georgina Basin, Northern Territory</i>
AUTHOR: MORRIS, D. G.
PUBLISHER: Northern Territory Geological Survey; Darwin, N.T.
YEAR PUBLISHED: 1986
SOURCE: Report, long
SUMMARY: Between mid-1983 and early 1985, the Northern Territory Geological Survey (NTGS) carried out a diamond drilling program in the western portion of the Georgina Basin to elucidate the Lower and Middle Cambrian stratigraphy in areas of very poor outcrop. The program was carried out as an adjunct to the NTGS's mapping program in ELKEDRA and BARROW CREEK. The mapping and drilling programs carried out by the NTGS have significantly refined the Cambrian stratigraphy of the western portion of the Georgina Basin. It had been established that the Middle Cambrian sediments extend from the Dulcie Syncline NW into the "Lander Trough" in the Wiso Basin (Bagas, 1985)
KEYWORDS: <u>Subject:</u> <i>Refinement of lower Palaeozoic Stratigraphy and petrology study</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Cambrian</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Dulcie syncline - NW trending, faults in Proterozoic basement monoclines, decrease SE into Dulcie Syncline</i> , <u>Location:</u> <i>Western portion of Georgina Basin</i>
SECTION OF INTEREST: Entire report, 41 pages (excluding appendices)
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: NTGS Report No. GS 86/005
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>Petrology of Some Carbonates in the Georgina Basin</i>
AUTHOR: NICHOLS, R. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, long
SUMMARY: Carbonate rocks up to 2,000 metres thick, form the major part of the succession in the Georgina Basin, an area of approximately 280,000 square kilometres in the north-eastern part of the Northern Territory and western part of Queensland. Dolomites predominate and form a major unit in the northern, central and southern parts of the basin, while limestones crop out in some marginal areas. Units of quartz sandstone and siltstone are relatively minor.
KEYWORDS: <u>Subject:</u> <i>Petrological study</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Precambrian, Cambrian, Lower Ordovician</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Central west outcrop; asymmetrical NW trending syncline (Dulcie) has a steep SW flank</i> , <u>Location:</u> <i>Northeastern portion of the Northern Territory</i>
SECTION OF INTEREST: Entire report, 61 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records, 1966/145
EASE OF READING: Technical report ; some knowledge of geology useful

TITLE: <i>The Sedimentary Petrology of the Alroy and Brunette Downs Sheet areas, Northern Territory</i>
AUTHOR: NICHOLS, R. A. H.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1963
SOURCE: Report, short
SUMMARY: The report describes a study in which fossils were extracted from sedimentary rocks through core drillings from the Alroy and Brunette Downs areas. Rock samples were collected whenever there was a change in the lithology of the rocks. By examination of fossils found within the drilled cores, conclusions about the environmental conditions and immediate geology of the area where the organisms had lived can be made. Different conditions favour the growth of different organisms, for example, in the Brunette Limestone (Tertiary age) both marine and freshwater fossils were found, suggesting that they had lived in a marine environment close to a freshwater source. Difficulty was found in the interpretation of the stratigraphical relationships within the lithologies.
KEYWORDS: <u>Subject:</u> <i>Petrology study</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Precambrian - Recent</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Location:</u> <i>Alroy and Brunette Downs Sheet areas</i>
SECTION OF INTEREST: Entire report, 24 pages (excluding appendix and photographic plates)
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records 1963/69
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Dolomitization of the Early to Middle Cambrian Carbonate Rocks of Georgina Basin, Northern Territory, Australia</i>
AUTHOR: NICOLAIDES, S.
PUBLISHER: CRA Exploration Pty Ltd
YEAR PUBLISHED: 1991 (December)
SOURCE: PhD Thesis
SUMMARY: Dolomites and dolomitic rocks are a major field of research within the geosciences. They form important reservoirs for hydrocarbons and are significant host rocks for sulphide mineralisation (lead/zinc). Three dolomite types are recognized: syngedimentary, replacement and cement. Geochemically the syngedimentary dolomites and the dolomite cements are distinctive.
KEYWORDS: <u>Subject:</u> Carbonate rocks, <u>Geology:</u> Sedimentary, <u>Period:</u> Early - Middle Cambrian, <u>Province:</u> Georgina Basin, Ordian sub-basin, Floran sub-basin, <u>Structure:</u> Toko Syncline, Dulcie Syncline (southern margin), Burke River Tectonic belt (southeastern margin), <u>Location:</u> covers Anthony's Lagoon, Brunette Downs, Wonarah and Lake Nash in the Northern Territory
SECTION OF INTEREST: Entire thesis
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: D 552.58 NIC
EASE OF READING: Thesis; some knowledge of geology essential

TITLE: <i>Sub-surface Water Supply in the Barkly Tableland</i>
AUTHOR: NOAKES, L. C.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1952
SOURCE: Report,
SUMMARY: The Barkly Tableland covers an area of downs country between Wallhallow and Newcastle Waters in the north, Urandangi or beyond in the south; from the west of Camooweal almost reaching Tennant Creek. It is an important region for the pastoral industry, which is supported by grasses (Mitchell, Flinders and others) and abundant groundwater. The Barkly Tableland is essentially a shallow depression underlain for the most part by dolomite, limestone, sandstone and shale with some alluvial cover. Camooweal dolomite is the most widely distributed of all formations in the Barkly Tableland. Limestones were deposited in the Tertiary age in some shallow lakes. The morphology and geology of the Barkly Tablelands indicate that conditions for collection and storage of water are good.
KEYWORDS: <u>Subject:</u> Water Supply, <u>Geology:</u> Sedimentary, <u>Period:</u> Cambrian, Cretaceous, <u>Province:</u> Georgina Basin, McArthur Basin, <u>Structure:</u> In the northern portion extensive plain sloping gently to low hills which form an irregular basin, southern portion is a wide shallow valley, <u>Location:</u> Downs country between Wallhallow and Newcastle Waters (north) and Urandangi or beyond (south); from Camooweal to almost Tennant Creek
SECTION OF INTEREST: Entire report, 9 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records 1952/67, No. C4-2
EASE OF READING: Technical report; some knowledge of geology advantageous

TITLE: <i>1:250000 Geological Map Series Explanatory Notes, Tanumbirini, N. T.</i>
AUTHOR: PAINE, A. G. L.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1963
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-2 of Tanumbirini in the Northern Territory. The area covered by the Sheet includes Tanumbirini homestead. Previous geological investigations and the physiography of the area are detailed. The area contains rocks of the Upper Proterozoic, Lower Cambrian, Lower Cretaceous and Tertiary ages. The structure and tectonic history is given. No minerals of an economic importance have been found in the area, nor a potential site. Water bore locations and depths (four successful bores and one unsuccessful bore have been sunk) are described.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary, Igneous</i> , <u>Period:</u> <i>Upper Proterozoic, Lower Cambrian, Lower Cretaceous and Tertiary</i> , <u>Province:</u> <i>McArthur Basin</i> , <u>Structure:</u> <i>Tanumbirini Anticline (western limb passes into Mallapunyah Fault Zone; northern end is dislocated by the Lagoon Creek Fault Zone)</i> , <u>Location:</u> <i>Between latitudes 16°00'S and 17°00'S and longitudes 133°30'E and 135°00'E</i>
SECTION OF INTEREST: Entire report, 15 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 TAN
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>1:250000 Geological Map Series & Explanatory Notes, Bauhinia Downs</i>
AUTHOR: PIETSCH, B. A., RAWLINGS, D. J., CREASER, P. M., KRUSE, P. D., AHMAD, M., FERENCZI, P. A., FINDHAMMER, T. R. L.
PUBLISHER: Northern Territory Geological Society
YEAR PUBLISHED: 1991
SOURCE: Report, long
ABSTRACT: 1:250000 geological map series explanatory notes and mineral deposit data sheets for Bauhinia Downs SE 53-3. This report describes the location, access, landuse and climate for the Bauhinia Downs sheet area. Geomorphology, regional setting, stratigraphy, geochemistry, geophysical features and geological history of the area is detailed.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary, Igneous</i> , <u>Period:</u> <i>Proterozoic, Cambrian, Cretaceous, Tertiary - Quaternary</i> , <u>Province:</u> <i>McArthur Basin</i> , <u>Structure:</u> <i>Southern portion of Batten Fault Zone the eastern margin is defined by Emu Fault Zone</i> , <u>Location:</u> <i>Between latitudes 16°00'S and 17°00'S and longitudes 135°00'E and 136°30'E</i>
SECTION OF INTEREST: Entire report, 76 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 559.4295 BAU
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: Middle Cambrian Stratigraphy and Sedimentology of the Eastern Georgina Basin
AUTHOR: HENDERSON, R. A. and SOUTHGATE, P. N.
PUBLISHER: Australian Geological Society
YEAR PUBLISHED: 1978
SOURCE: Excursions Handbook: 3rd Australian Geological Convention, 1978
ABSTRACT: The Georgina Basin comprises an elongate, Lower Palaeozoic sedimentary province covering 330 000km ² of northeastern Australia to maximum thickness of 2500m. It is presently bordered east and west by Precambrian blocks and south it is lapped over by Cretaceous strata of the Great Artesian Basin. To the north it appears to merge with Daly River Basin, a sedimentary terrain also of Lower Palaeozoic age but with somewhat different lithostratigraphic content. Lower Palaeozoic sedimentation may have extended unbroken to the west, embracing the Wiso Basin, a poorly known terrain of like age and content to Georgina Basin, and separated from it by crystalline Precambrian rocks of the Tennant Creek Block. It may be that Georgina Basin represents a remnant of a much more extensive epeiric terrain and that the Precambrian blocks which presently define its limits reflect the post-Lower Palaeozoic tectonic history of northeastern Australia rather than Lower Palaeozoic palaeogeography. Evidence from displacemen
KEYWORDS: Subject: Refinement of Stratigraphy, GeoloQY: Sedimentary, Period: Middle Cambrian, Province: Georgina Basin, Structure: covers Burke River Outliers, Ardmore Outlier, Mt Isa Outlier and Undi!la area , Location: Eastern Georgina Basin
SECTION OF INTEREST: Entire report, 25 pages
DOCUMENT LOCATION: NT Department of Mines and Energy
LIBRARY CALL NUMBER: PAS HEN
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: Middle Cambrian 'Archaeocyathus' from the Georgina Basin is an Anthaspidellid Sponge
AUTHOR: KRUISE P. D.
PUBLISHER: ?
YEAR PUBLISHED: 1983
SOURCE: Journal: Alcheringa, Vol. 7, pages 49 -58
ABSTRACT: Middle Cambrian (Ordian) fossils from Ranken Limestone of the Georgina Basin previously referred to the genus Archaeocyathus were reputedly one of the last Australian occurrences of the phylum Archaeocyatha prior to its extinction. These fossils in fact represent the anthaspidellid sponge <i>Arborella mors</i> Gatehouse 1968, hitherto known only from isolated spicules, & are by far earliest known examples of the family Anthaspidellidae. <i>Rankenella</i> nom. nov. is introduced for the primary homonym <i>Arborella</i> Gatehouse 1968. The genus confirms preference of anthaspidellide for habitats in shallow-water reef and shelly facies evident in the known Ordovician occurrences of the group.
KEYWORDS: Subject: Fossil specimens , Geology: Sedimentary, Period: Mid-Cambrian, Province: Georgina Basin, Structure: Ranken Limestone , Location: Ranken River
SECTION OF INTEREST: Entire report, 9 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A)
LIBRARY CALL NUMBER: PAS KRU
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Neoproterozoic Stratigraphy of the Centralian Superbasin, Australia</i>
AUTHOR: WALTER, M. R., VEEVERS, J. J., CALVER, C. R. & GREY, K.
PUBLISHER: ?
YEAR PUBLISHED: 1993
SOURCE: Report, short
ABSTRACT: The Centralian Superbasin is defined here to encompass the Neoproterozoic fill of the Amadeus, Georgina, Ngalia, Officer and Savory Basins. The intra-cratonic superbasin was disrupted internally 540-600 Ma ago ("Petermann Ranges Orogeny") by a central uplift & associated thrusts, and by mid-Carboniferous (320 Ma) tectonism ("Alice Springs Orogeny") to form the structural basins listed above. Recognition of the integrity of the original depositional system allows the stratigraphy of relatively well known areas to be extrapolated to predict that of those that are poorly known. Acritarch biostratigraphy and isotope chemostratigraphy, in conjunction with conventional lithostratigraphy and sequence analysis, allow a new synthesis of the stratigraphy. This is supplemented with observations in the recently discovered Savor Basin in Western Australia.
KEYWORDS: Subject: Refinement of Stratigraphy, Geology: Sedimentary, Igneous, Period: Neoproterozoic, Location: covers Georgina Basin, Ngalia Basin, Arunta Block, Amadeus Basin, Musgrave Block, Savory & Officer Basins
SECTION OF INTEREST: Entire report, 32 pages, excluding maps
DOCUMENT LOCATION: NT Department of Mines and Energy (A)
LIBRARY CALL NUMBER: PAS.WAL
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Georgina Basin Aeromagnetic Survey , Queensland and Northern Territory</i>
AUTHOR: WELLS, R., TIPPER, D. B. and MILSON, J. S.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1964
SOURCE: Report, short
SUMMARY: The Mt Drummond, Lawn Hill, Ranken, Camooweal, Frew River, Avon Downs, Huckitta, Mt Whelan and part of Walhallow, and Alroy 1 :250000 areas were surveyed along east-west flight lines spaced at intervals of two miles. The northern half of Illoywa Creek and Hay River 1 :250 000 areas were surveyed at a flight line interval of four miles. These areas include both Proterozoic and Palaeozoic sediments of prospective interest. The recorded magnetic profiles have been reduced by a factor of approximately five and each alternate line displayed on a geological base map at 1 :250 000 scale. Estimated magnetic basement depth contours are displayed at a scale of 1: 100 000. . Interpretation of the results indicates that thick sedimentary sequences are present within the basin, but the are redominantl of Proterozoic age.
KEYWORDS: Subject: Geological survey, Geology: Sedimentary, Period: Lower Palaeozoic, Province: Georgina Basin, Location: covers Mt Drummond, Lawn Hill, Avon Downs, Ranken, Camooweal, Frew River, Huckitta, Mt Whelan, Walhallow (in part), Alroy 1:250 000 sheet areas
SECTION OF INTEREST: Entire report, 28 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A&D)
LIBRARY CALL NUMBER: BMR Records, 1964/172
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>1:250000 Geological Map Series Explanatory Notes, Wallhallow, N.T.</i>
AUTHORS: PLUMB, K. A., and RHODES, J. M.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1964
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-7 of Wallhallow in the Northern Territory. The sheet covers the northern edge of the Barkly Tableland. A number of homesteads are covered by the Sheet of Wallhallow: Creswell Downs, Anthony Lagoon, Wallhallow and Top Springs station. The stratigraphy, structure and economic geology is detailed and the geological history is presented in a table format. Hydrology is briefly discussed; the major resource is comprised of groundwater.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary, Igneous</i> , <u>Period:</u> <i>Precambrian - Cainozoic</i> , <u>Province:</u> <i>McArthur Basin</i> , <u>Structure:</u> <i>Mallapunyah Fault, Dunganminnie Fault</i> , <u>Location:</u> <i>Between latitudes 17⁰00'S and 18⁰00'S and longitudes 135⁰00'E and 136⁰30'E</i>
SECTION OF INTEREST: Entire report, 21 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 WAL
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>Lithological Correlations of Adelaidean Glaciogenic Rocks in parts of the Amadeus, Ngalia, and Georgina Basin</i>
AUTHORS: PREISS, W. V., WALTER, M. R., COATS, R. P. and WELLS, A. T.
PUBLISHER: Bureau of Mineral Resources, Geology and geophysics
YEAR PUBLISHED: 1978
SOURCE: Journal; <i>BMR Journal of Australian Geology and Geophysics</i> , Volume 3, pages 43 - 53
SUMMARY: Adelaidean glaciogenic sediments, representing two major glaciations, are widespread in three central Australian basins. Recognition of distinguishable marker dolomites, identical to those found above lower and upper tillites in the Adelaide Geosyncline, South Australia, has led to a revision of the Adelaidean stratigraphy of the Amadeus Basin.
KEYWORDS: <u>Subject:</u> <i>Geological survey</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Adelaidean (Precambrian era)</i> , <u>Province:</u> <i>Amadeus, Ngalia & Georgina Basins</i> , <u>Location:</u> <i>Central to Northern Australia</i>
SECTION OF INTEREST: Paper is 10 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: Pamphlet PDW:PRE
EASE OF READING: Technical paper ; sound knowledge of geology essential

TITLE: <i>1:250000 Geological Series Explanatory Notes, Alroy, N.T.</i>
AUTHOR: RANDAL, M. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-15 of Alroy in the Northern Territory. The Sheet of Alroy covers Alroy station and parts of Brunette Downs, Rockhampton and Alexandria pastoral stations. It provides a brief introduction to the area, details previous geological investigations, natural features of the area, stratigraphy and geological history. It also describes the geological structure economic geology; construction materials and petroleum and includes a description of the surface and ground waters in the area.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Proterozoic, Cambrian, Cainozoic</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Difficult to evaluate, poor outcrops and lack of exposed contacts</i> , <u>Location:</u> <i>Between latitudes 19°00'S and 20°00'S and longitudes 135°00'E and 138°00'E</i>
SECTION OF INTEREST: Entire report, 15 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 ALR
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>1:250000 Geological Series Explanatory Notes, Avon Downs, N.T.</i>
AUTHOR: RANDAL, M. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SF/53-4 of Avon Downs in the Northern Territory. This Sheet covers the south-eastern parts of the Barkly Tableland, and incorporates Austral Downs, Soudan, Avon Downs, Georgina and Rocklands and Lake Nash pastoral stations. It provides a brief introduction to the area, details previous geological investigations, natural features in the area, stratigraphy and geological history. It also details the geological structure, looks at petroleum and construction materials and their economic viability. A small section detailing the hydrology of the Avon Downs sheet concludes the report.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Precambrian, Cambrian, Mesozoic, Tertiary</i> , <u>Location:</u> <i>Between latitudes 20°00'S and 21°00'S and longitudes 136°30'E and 138°00'E</i>
SECTION OF INTEREST: Entire report, 15 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 AVO
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>1:250000 Geological Series Explanatory Notes, Brunette Downs, N.T.</i>
AUTHOR: RANDAL, M. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-11 of Brunette Downs in the Northern Territory. This report covers the central-western part of the Barkly Tableland and includes parts of the following pastoral stations: Brunette, Rockhampton and Creswell Downs, Anthony Lagoon and Alexandria. It provides a brief introduction to the area, details previous geological investigations, natural features of the area, stratigraphy and geological history. It also details the geological structure, and includes a section on economic geology; gravel as a construction material, and petroleum. Hydrology of the area is briefly discussed.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Period:</u> <i>Precambrian, Cambrian, Lower Cretaceous, Tertiary</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Difficult to assess in the region, very few out crops have well defined dips and strike direction</i> , <u>Location:</u> <i>Between latitudes 18°00'S and 19°00'S and longitudes 135°00'E and 136°30'E</i>
SECTION OF INTEREST: Entire report, 16 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 RAN
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>1:250000 Geological Series Explanatory Notes, Helen Springs, N.T.</i>
AUTHORS: RANDAL, M. A., and BROWN, M. C.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-10 of Helen Springs in the Northern Territory. This report covers the north-western margin of the Barkly Tableland. Banka Banka homestead, Helen Springs, Eva Downs, parts of Anthony Lagoon, Rockhampton Downs and Newcastle Waters pastoral stations are covered by the Sheet of Helen Springs. It provides a brief introduction to the area, details previous geological investigations, natural features in the area, stratigraphy and geological history. Geological structure is detailed, as is the economic viability of manganese and petroleum in the area. Hydrology is briefly discussed.
KEYWORDS: <u>Subject:</u> <i>Explanatory geological notes</i> , <u>Geology:</u> <i>Sedimentary, Igneous</i> , <u>Period:</u> <i>Precambrian, Cambrian, Lower Cretaceous, Tertiary</i> , <u>Structure:</u> <i>Whittington Range Block, Bootu Creek Block, Tomkinson Creek/Powell Creek Block, Muckaty/Renner Springs Block</i> , <u>Location:</u> <i>Between latitudes 18°00'S and 19°00'S and longitudes 133°30'E and 135°00'E</i>
SECTION OF INTEREST: Entire report, 29 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 HEL
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>1:250000 Geological Map Series Explanatory Notes, Newcastle Waters, N.T.</i>
AUTHOR: RANDAL, M. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1969
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/52-9 of Newcastle Waters in the Northern Territory. This area covers the central part of the Northern Territory, and incorporates the homestead of Newcastle Waters and Stuart Plain cattle stations. Previous geological investigations and physiography are covered after a brief introduction to the area. Newcastle Waters is underlain by rocks of Precambrian, Middle Cambrian and Lower Cretaceous ages. Most of the area, however is covered by extensive superficial Cainozoic deposits. Structure, geological history and economic geology is described. Hydrology concludes the report. The original map sheet has been lost and replaced with a copy of Sheet SE/53-5, Newcastle Waters.
KEYWORDS: <i>Subject: Explanatory geological notes, Geology: Sedimentary, contains some Igneous, Period: Precambrian, Middle Cambrian, Lower Cretaceous, extensive superficial Cainozoic deposits, Province: Victoria River Basin, Structure: Few outcrops in area, Location: Between latitudes 17⁰⁰'S and 18⁰⁰'S and longitudes 132⁰⁰'E and 133³⁰'E</i>
SECTION OF INTEREST: Entire report, 13 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 RAN
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>1:250000 Geological Series Explanatory Notes, Ranken, N.T.</i>
AUTHOR: RANDAL, M. A.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1966
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-16 of Ranken in the Northern Territory. This report covers the eastern part of the Barkly Tablelands and borders on Queensland. The area covered by the Ranken Sheet includes parts of the pastoral stations Alexandria (Gallipoli and Soudan) and Avon Downs. It provides a brief introduction to the area, details previous geological investigations, natural features in the area, stratigraphy and geological history. It also details the geological structure and the economic possibility of petroleum. Hydrology of the Ranken Sheet area is briefly described.
KEYWORDS: <i>Subject: Explanatory geological notes, Geology: Sedimentary, Period: Upper Proterozoic, Cambrian, Lower Cretaceous, Tertiary, Province: Georgina Basin, Location: Between latitudes 19⁰⁰'S, 20⁰⁰'S and longitudes 136³⁰'E, 138⁰⁰'E</i>
SECTION OF INTEREST: Entire report, 16 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 RAN
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>BMR Stratigraphic Drilling in the Georgina Basin, 1977 and 1978</i>
AUTHOR: SHERGOLD, J. H. and WALTER M. R.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1979
SOURCE: Report, short
ABSTRACT: This record documents 18 shallow stratigraphic holes drilled during the 1977 and 1978 stratigraphic drilling program in the Georgina Basin. Where possible, holes were continuously cored, and these cores have been stabbed to provide petrological reference material, and material for destructive analysis. The coreholes penetrated the Upper Proterozoic to Middle Cambrian sequences in the Hay River 1:250000 Sheet area; Upper Cambrian in the Yelvertoft area of the Barkly Tableland (Mt Isa Sheet area); Middle and Upper Cambrian sequence in the Burke River Structural Belt (Duchess and Boulia Sheet area); and Lower Ordovician and Lower Devonian sequences in the Toko Syncline (Tobermory and Mt Whelan Sheet areas). Lithographical logs, paleontological determinations, and geochemical analyses are recorded where available.
KEYWORDS: <u>Subject:</u> <i>Petrological study</i> , <u>Geology:</u> , <u>Period:</u> <i>Upper Proterozoic, Cambrian, Lower Ordovician and Lower Devonian</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Burke River Structural Belt, Toko Syncline</i> , <u>Location:</u> <i>Hay River, Mt Whelan, Mt Isa, Duchess, Boulia and Tobermony Sheet areas</i>
SECTION OF INTEREST: Entire report, 34 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records 1979/36
EASE OF READING: Technical report ; some knowledge of geology essential

TITLE: <i>The Geology of the Georgina Basin</i>
AUTHOR: SMITH, K. G.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1967
SOURCE: Bulletin, long
INTRODUCTION: This Bulletin deals with the geology of the Georgina Basin, which is a large Palaeozoic sedimentary basin trending north-west from Western Queensland into the Northern Territory. By definition the basal beds of the Georgina Basin are of lower Middle Cambrian age, and the basin contains Cambrian and Ordovician marine sediments and Devonian to siluro-Devonian freshwater sequences. Precambrian outcrops define the south-western margin, western, northern and eastern margins of the Basin but the north-western margin is obscured by Mesozoic sediments which conceal a probable connection with the Daly River Basin; Mesozoic sediments of the Great Artesian Basin conceal the south-eastern margin but geophysical surveys and limited drilling have indicated the extent of the Palaeozoic sediments in that area. In the west, Quaternary sand conceals a probable connection with the Palaeozoic Wiso Basin.
KEYWORDS: <i>Subject: Geological survey, Geology: Sedimentary, Era: Precambrian - Palaeozoic, Province: Georgina Basin, Structure: Dominant structures are the Toko and Dulcie Synclines and Burke River Structural Belt, Location: Covers Anthony's Lagoon, Brunette Downs, Wonarah and Lake Nash in the NT, Camooweal, Urandangi, Glenormiston, Chatsworth and Boulia in Qld</i>
SECTION OF INTEREST: Entire report, 259 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Records 1967/61
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>Stratigraphic Drilling in the Georgina Basin, Northern Territory</i>
AUTHOR: SMITH, K. G.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1967
SOURCE: Report, long
SUMMARY: During 1963-64 the Bureau of Mineral Resources drilled 3 stratigraphic wells: BMR 11 Cattle Creek, BMR 12 Cockroach and BMR 13 Sandover in the Northern Territory portion of the Georgina Basin. The objective was to assist petroleum exploration by determining depths to the economic basement. This was achieved by elucidating stratigraphy of the region evaluating the source, reservoir and caprock potential comparing rock types with those cropping out on the margins of the Georgina Basin and providing basic velocity data for seismic exploration. The report describes each of the wells drilled in terms of its history, stratigraphic sequence defined from the appearance, and contributions each well has made to geological knowledge of the immediate area.
KEYWORDS: <i>Subject: Petroleum exploration, Geology: Sedimentary, Period: Precambrian, Cambrian, Province: Georgina Basin, Structure: Dulcie and Toko Syncline (asymmetric), parallel faults trending north-west, Location: Northern Territory portion of the Georgina Basin</i>
SECTION OF INTEREST: Entire report, 64 pages
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Report No 124
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>1:250000 Geological Series Explanatory Notes, Bauhinia Downs</i>
AUTHOR: SMITH, J. W.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1964
SOURCE: Report, short
ABSTRACT: 1:250000 geological series explanatory notes covering the Sheet SE/53-3 of Bauhinia Downs in the Northern Territory. This Sheet covers the homestead at Mallapunyah Station. It provides a brief introduction to the area, details of previous geological investigations, natural features in the area, stratigraphy and geological history. The geological structure is detailed and materials that may have an economic potential.
KEYWORDS: <i>Subject: Explanatory geological notes, Geology: Sedimentary, Volcanics, Period: Proterozoic, Cambrian, Cretaceous, Tertiary - Quaternary, Province: McArthur Basin, Structure: Southern portion of Batten Fault Zone, the eastern margin of which is defined by Emu Fault Zone, Location: Between latitudes 16⁰⁰'S and 17⁰⁰'S and longitudes 135⁰⁰'E and 136³⁰'E</i>
SECTION OF INTEREST: Entire report, 20 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 BAU
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>Stratigraphy of the Georgina Basin</i>
AUTHOR: SMITH, K. G.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1972
SOURCE: Bulletin, long
INTRODUCTION: The Georgina Basin is a large Palaeozoic sedimentary basin trending north-west from western Queensland into the Northern Territory. The basal beds are of lower Middle Cambrian age, and the basin contains Cambrian and Ordovician marine sediments and Devonian or Siluro-Devonian freshwater sequences. Precambrian rocks crop out along the southwestern, western, northern, and eastern margins of the basin, but the northwestern margin is obscured by Mesozoic sediments which conceal a probable connection with the Daly River Basin; the southeastern margin is concealed by Mesozoic sediments of the Great Artesian Basin, but the extent of the Palaeozoic sediments has been outlined by geophysical surveys and some drilling. In the west, the probable connection with the Palaeozoic Wiso Basin is concealed by Quaternary sand. The detailed stratigraphy and lithology of all mapped formations in the Georgina Basin are described in the second part of this Bulletin, along with descriptions of the marginal and cover rocks. In the first part of the Bulletin the regional stratigraphy and structure within the preserved margins of the basin are outlined, together with notes on the geology of the south eastern extension of the basin.
KEYWORDS: <u>Subject:</u> <i>Geology of Georgina Basin</i> , <u>Geology:</u> <i>Sedimentary</i> , <u>Era:</u> <i>Precambrian - Palaeozoic</i> , <u>Province:</u> <i>Georgina Basin</i> , <u>Structure:</u> <i>Dominant features are Toko and Dulcie Synclines and Lake Nash Anticline</i> , <u>Location:</u> <i>Covers Anthony's Lagoon, Brunette Downs, Wonarah and Lake Nash in the NT, Carnooweal, Urandangi, Glenormiston, Chatsworth and Boulia in Qld</i>
SECTION OF INTEREST: Entire bulletin
DOCUMENT LOCATION: NT Department of Mines and Energy (A & D)
LIBRARY CALL NUMBER: BMR Bulletin No. 111
EASE OF READING: Technical report; some knowledge of geology essential

TITLE: <i>1:250000 Geological Map Series Explanatory Notes, Mount Drummond, N.T.</i>
AUTHORS: SMITH, J. W. and ROBERTS, H. G.
PUBLISHER: Department of National Development and the Bureau of Mineral Resources, Geology and Geophysics
YEAR PUBLISHED: 1963
SOURCE: Report, short
SUMMARY: 1:250000 geological series explanatory notes covering the Sheet SE/53-12 of Mount Drummond in the Northern Territory. The Sheet covers Springvale homestead. Notes describe previous investigations, stratigraphy and structure. A brief coverage of minerals of economic value conclude that there is sparse malachite deposits between Boomerang Creek and Fish Hole Creek and ironstone in the Mullera formation, Springvale sub-basin. Hydrology in the region concludes the report.
KEYWORDS: <i>Subject: Explanatory geological notes, Geology: Metamorphics, volcanics, Sedimentary, Period: Proterozoic, Cambrian, Lower Cretaceous (?), Tertiary, Province: South Nicholson Basin, Structure: Bluff Range Anticline, Mitchiebo Fault, Little Ranges Fault (western end), Location: Between latitudes 18⁰⁰'S and 19⁰⁰'S and longitudes 136³⁰'E and 138⁰⁰'E</i>
SECTION OF INTEREST: Entire report, 17 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 559.4295 MON
EASE OF READING: Technical report; some knowledge of geology essential

Open Mineral Reports

Report Number	Report Title	Location
<u>CR68/16</u> Drummond	Progress report for 1968, drilling operations for phosphate, N T	SE 53-15 Alroy SE 53-16 Ranken SE 53-12 Mount
<u>CR68/30</u> Drummond	Progress report on Prospecting Authorities 1766, 1788, 1801, 1802, and 1897 in the Alexandria Region	SE 53-7 Wallhallow SE 53-8 Calvert Hills SE 53-11 Brunette Downs SE 53-12 Mount SE 53-15 Alroy
<u>CR68/31</u>	Annual Report, AP1766, Alexandria, 19/5/67 to 18/5/68	SE 53-16 Ranken
<u>CR68/33</u> Drummond	Annual Report, 13/2/68 to 12/11/68, AP1897	SE 53-12 Mount SE 53-7 Wallhallow
<u>CR69/2</u>	Phase 2 Final Report on operations in the Carrara Range Area, AP1733	SE 53-12 Mount Drummond
<u>CR69/22</u> Drummond	Progress report on AP's 1766, 2159, 2160, 2161, in the Alexandra Region	SE 53-8 Calvert Hills SE 53-12 Mount SE 53-11 Brunette Downs SE 53-16 Ranken SF 53-4 Avon Downs
<u>CR69/25</u>	Final Report on exploration, Prospecting Authority 1776, Mittiebah Area NT	SE 53-12 Mount Drummond
<u>CR70/37</u>	Annual report, Alexandria, 19/5/69 to 8/5/70	SE 53-12 Mount Drummond SE 53-16 Ranken
<u>CR70/38</u> Drummond	Progress report on Alexandria Region	SE 53-15 Alroy SE 53-11 Brunette Downs SE 53-8 Calvert Hills SE 53-16 Ranken SE 53-12 Mount
<u>CR70/39</u>	Annual report, Alexandria, 19/5/68 to 18/5/69	SE 53-16 Ranken
<u>CR71/12</u>	Annual Report, AP1874, Alroy Area N T, 1971 Drilling Programme	SE 53-15 Alroy
<u>CR75/24</u>	Report for quarter ended 2/2/75 - Kapalga NT	SE 53-11 Brunette Downs

<u>CR77/39</u>	Relinquishment Report, Mount Drummond (Mittiebah)	SE 53-12 Mount Drummond
<u>CR77/40</u> Drummond	Final report, Mt Drummond Ranken (Alexandria)	SE 53-12 Mount SE 53-16 Ranken
<u>CR79/9</u> Drummond	Final report for 1978 Field investigations, Benmara	SE 53-8 Calvert Hills SE 53-12 Mount
<u>CR80/143</u> Drummond	Final report, Field Investigations, Benmara	SE 53-8 Calvert Hills SE 53-12 Mount
<u>CR80/157</u>	Annual report, Dalmore, N.T. p e 28/5/80	SE 53-15 Alroy
<u>CR80/233</u>	Alroy, Final report for p e August 1980	SE 53-15 Alroy
<u>CR80/234</u>	Final report, period ending August 1980. Alroy north Northern Territory	SE 53-15 Alroy
<u>CR80/70</u>	Alroy North, Report for the y e 21/1/80	SE 53-15 Alroy
<u>CR81/123</u> Drummond	Benmara Project, N.T. Annual report for 1980	SE 53-8 Calvert Hills SE 53-7 Wallhallow SE 53-12 Mount
<u>CR81/125</u>	EL2043 Dalmore, N.T. Final report for period ending August, 1980	SE 53-15 Alroy
<u>CR83/151</u>	Annual and Final Report, 1982, Buchanan Dam, Georgina Basin	SE 53-15 Alroy
<u>CR85/289</u>	Annual Report Mt Drummond p e 20 September 1985	SE 53-12 Mount Drummond
<u>CR86/190</u>	Final report, Gosse River	SE 53-15 Alroy
<u>CR86/254</u>	Rep Scarr, Bluebush Swamp & Blenheim Hill 2/9/86	SF S3-4 Avon Downs
<u>CR86/258</u>	Annual Report on EL period ending 26/8/85 to 25/8/86	SE 53-11 Brunette Downs
<u>CR86/259</u>	Annual Report on EL4334 period ending 26/8/85 to 25/8/86	SE 53-11 Brunette Downs
<u>CR86/289</u>	Final report for the period to 30/7/86	SF 53-4 Avon Downs SF 53-8 Sandover River

<u>CR86/302</u>	Annual Report EL4372 12/9/85 - 11/9/86	SE 53-12 Mount Drummond
<u>CR86/62</u>	Annual Report EL4361 p e 29/11/85	SE 53-15 Alroy
<u>CR87/215</u>	Final Report for Bluebush Swamp Period ending 20/5/87 Northern Territory	SF 53-4 Avon Downs
<u>CR87/216</u>	Final Report on EL Northern Territory period ending 26/8/83 - 17/8/87	SE53-11 Brunette Downs
<u>CR87/218</u>	Annual Report 21 September 1986 to 20 September 1987	SE 53-12 Mount Drummond
<u>CR87/6</u>	Annual Report on EL4352 21/9/85 to 20/9/186	SE 53-12 Mount Drummond
<u>CR88/344</u>	Annual Report EL4342, 26/8/87 - 25/8/88	SE 53-11 BrunetteDowns
<u>CR89/135</u>	Final Report EL4361 30/11/83 - 21/11/88	SE 53-12 Mount Drummond
<u>CR89/652</u>	Final Report 26 August 1983 to 25 August 1989	SE 53-11 Brunette Downs
<u>CR89/654</u>	Final Report 21 September 1983 to 20 September 1989	SE 53-12 Mount Drummond
<u>CR89/68</u>	Final Report p e 10/10/88 EL4596 Scarr	SF 53-4 Avon Downs
<u>CR90/605</u>	Final Report Herbert River, Goonooma Creek, Gregory River, Buchanan Creek, Cigarette Hole Creek p e 22 June 1990	SE 53-16 Ranken
<u>CR92/370</u> Drummond	Partial Surrender Report p c 30/1/92 EL6577 Horse Creek	SE 53-12 Mount
<u>CR93/218</u>	Final Report EL7147 Joildung p e 8 December 1992	SF 53-3 Frew River SF 53-4 Avon Downs
<u>CR95/623</u>	Relinquishment Report, Exploration Licences 7266, 7300 and 7301, 24th May 1991 to 23 May 1995	SE 53-3 Bauhinia Downs SE 53-15 Alroy

Open Petroleum Reports

Report Number	Report Title
<u>PR61/10</u>	Report on Georgina Basin Area
<u>PR62/4</u>	Petroleum possibilities of the Georgina - Barkly Basin
<u>PR63/18</u>	Lake Nash No.1
<u>PR63/6</u>	An airborne magnetometer survey
<u>PR64/4</u>	Brunette Downs No.1
<u>PR65/29</u>	Frewena No.1
<u>PR87/27</u>	Pyrolysis data on samples from wells drilled in the Georgina Basin
<u>PR87/43</u>	Source rock evaluation, Georgina Basin, Northern Territory and Queensland
<u>PR92/14</u>	Vol. 1 Text. Basal Siliciclastics in Georgina Basin

All of the above open mineral and petroleum reports are available from the Department of Mines and Energy Libraries only.

PASTORAL

TITLE: <i>An Inspection of the Pastoral Holdings, Stock Routes, Bores and Dips on the Barkly Tableland, Northern Territory</i>
AUTHOR: BISHOP, F. A. C.
PUBLISHER: State for Home and Territories; Melbourne, Victoria
YEAR PUBLISHED: 1923
SOURCE: Report, short
SUMMARY: The report details Bishop's travels from Darwin, to Newcastle Waters and along the stock routes inspecting bores, dips and pastoral holdings through to the Queensland border. Bore condition and holding capacity are detailed for some bores along the routes travelled and for others, only the condition of the bores, their casings and windmills are described. Stations visited by Bishop included Newcastle Wasters, Eva Downs, Anthony's Lagoon, Brunette Downs, Alexandria, Alroy Downs, Avon Downs, Lake Nash and Rocklands. Whilst visiting the station, water improvements, stock returns, general improvements and pasture are commented on for some of these aspects, recommendations are given for improvement or maintenance. Dips and dipping of cattle, in relation to protocol brought about by Bishop during previous inspections is commented on. The report concludes with a section on Police supervision of the Barkly Tableland.
KEYWORDS: <u>Subject:</u> <i>Barkly Tableland pastoral station holdings and associated items</i> , <u>Aspect:</u> <i>Stock route waters, detailing of resources on stations, inspection of surrounding country</i> , <u>Location:</u> <i>Pastoral stations on the Barkly Tableland</i>
SECTION OF INTEREST: Entire document, 20 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 636.201 BIS
EASE OF READING: Technical report ; formal English

TITLE: An Outline of the Pastoral History of the Barkly Tablelands
AUTHOR: FORREST, P.
PUBLISHER: (unpublished)
YEAR PUBLISHED: 1981
SOURCE: Manuscript
SUMMARY: The manuscript presents a brief description of the pastoral history of the Barkly Tablelands. It describes stations and their stock, the goldfields and stocking the grass plains with cattle. A small part of the manuscript looks at the artesian and sub-artesian water in the Barkly Tablelands and it's exploration. It covers the stock routes used and the growth of support towns. The report ends with a recent history of the Barkly Tablelands.
KEYWORDS: <u>Subject:</u> <i>History of Barkly pastoral industry</i> , <u>Aspect:</u> <i>Historical; development of stations, industry, water supply</i> , <u>Location:</u> <i>Barkly Tableland</i>
SECTION OF INTEREST: The manuscript is 4 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 636.20994 FOR
EASE OF READING: Historical Account ; plain English

TITLE: <i>Resource Appraisal of Helen Springs Station, Pastoral Lease 524</i>
AUTHOR: Conservation Commission of the Northern Territory
PUBLISHER: W. A. Low Ecological Services; Alice Springs, N. T.
YEAR PUBLISHED: 1986
SOURCE: Report, short
SUMMARY: The appraisal details the history of land tenures in the area, and of the station. It describes the physical surroundings, including the landforms, soils and land systems and land use. A small section is dedicated to the water quality and availability of ground and surface waters in the area. Native flora and fauna are covered and a selection are photographed. The report concludes with a section on resource and land management.
KEYWORDS: <u>Subject:</u> <i>Pastoral lease resource survey</i> , <u>Aspect:</u> <i>Resource detailing of Helen Springs Station</i> , <u>Location:</u> <i>Helen Springs station, northwest Barkly Tablelands</i>
SECTION OF INTEREST: Entire report, 28 pages (not including appendices)
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 559.4295 RES
EASE OF READING: Technical report ; formal English

TITLE: <i>The Barkly Tableland Beef Industry 1980</i>
AUTHOR: HOLT, R. M. and BERTRAM, J. D.
PUBLISHER: Department of Primary Production, Division of Agriculture and Stock; Alice Springs, N.T.
YEAR PUBLISHED: 1981
SOURCE: Book, long
SUMMARY: This report details results from a survey of 22 cattle stations on the Barkly Tablelands. It accounts for costs spent on operations and capital expenses per station. This includes a break-down of these costs. A review of the prices of cattle during 1980 as compared to those in 1979 and of seasonal conditions and effects of these conditions on the industry is presented. Current stocking rates of properties on the Barkly Tablelands are examined. Holt and Bertram provide input from land-managers addressing potential stocking rates and present issues that require addressing, for these potential rates to become realised.
KEYWORDS: <u>Subject:</u> <i>Stations involved</i> , <u>Aspect:</u> <i>Physical environment (including geology, water, climate), costing of cattle operations, stock prices and numbers</i> , <u>Location:</u> <i>Pastoral stations located on the Barkly Tableland</i>
SECTION OF INTEREST: Entire report, 145 pages
DOCUMENT LOCATION: Northern Territory Library / Alice Springs Public Library
LIBRARY CALL NUMBER: Q 636.21309 HOL / PAR 338.176213 HOL
EASE OF READING: Technical Report ; formal English

TITLE: <i>Northern Territory Stock Routes, Extension Article No. 8</i>
AUTHOR: NT Administration Animal Industry Branch
PUBLISHER: W. L. Haines, Government Printer; Adelaide, S.A.
YEAR PUBLISHED: (not dated)
SOURCE: Pamphlet
ABSTRACT: A brief story of how the stock routes were built up over the years, followed by a map which shows them as they are "today" (date unknown). In 1946 when the Animal Industry Branch was inaugurated, there were only 88 stock route waters; now there are 183. Old storage tanks at bores have been replaced by over 70 new or larger ones, many having the capacity of one million gallons. Catchment dams have been constructed in some areas where drilling has been unsuccessful. Dry stages between stock route waters of distances up to 70 miles have been eliminated, and now the average distance between bores is about 16 miles. This report has a large emphasis on water, both ground and surface waters.
KEYWORDS: <u>Subject:</u> <i>Stock routes and water supplies</i> , <u>Aspect:</u> <i>Historical aspect: increase in waters, through bores, dams</i> , <u>Location:</u> <i>Covers Barkly Tableland routes</i>
SECTION OF INTEREST: Entire report, 21 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 636.20099 NOR
EASE OF READING: Technical report ; formal English

TITLE: <i>Report of the Board of Inquiry to Inquire Into the Land & Land Industry of the Northern Territory of Australia</i>
AUTHOR: for the Government of the Commonwealth of Australia
PUBLISHER: Commonwealth Government Printer; Canberra, A.C.T.
YEAR PUBLISHED: 10 October 1937
SOURCE: Report, long
SUMMARY: The selected section of the report covers the physical aspects of the Barkly Tablelands (including rainfall, surface and ground waters) and details on Tableland holdings; such as size, stock numbers and brandings. It addresses difficulties the Committee identified for pastoralists, for example stock losses, markets for fat cattle and travelling distances. The report details the proposition for the inclusion of Tablelands and ends with a recommendation for a railway extension from North West Dajarra (Queensland) to the Rankine River.
KEYWORDS: (For selected section) <u>Subject:</u> <i>Environment and Industry of the Barkly Tableland</i> , <u>Aspect:</u> <i>Physical environment, pastoral holdings and associated items, railway extension</i> , <u>Location:</u> <i>Barkly Tableland</i>
SECTION OF INTEREST: Entries 244 - 289 inclusive
DOCUMENT LOCATION: Alice Spring Public Library
LIBRARY CALL NUMBER: 631.479249 AUS
EASE OF READING: Technical report ; formal English

CLIMATE AND PASTURE

TITLE: <i>Extracts from: Survey of the Barkly Region, Northern Territory and Queensland, 1947-48</i>
AUTHOR: Comprising papers by CHRISTIAN, C. S., et. al.
PUBLISHER: C.S.I.R.O.; Melbourne, Australia
YEAR PUBLISHED: 1952
SOURCE: Report, long
ABSTRACT: A field survey of the Barkly region of the Northern Territory and Queensland was conducted in 1947-48. This was one of a series of surveys initiated by C.S.I.R.O at the request of the Northern Australia Development Committee in order that an accurate knowledge of the nature of the country and its potential might be made available for the formulation of policies concerning development. These surveys have the objectives of describing, classifying and mapping the country, including its surface geology, topography, soils and vegetation; and of broadly assessing landuse potential by consideration of these inherent land characteristics in relation to the prevailing climate and possibilities for irrigation.
KEYWORDS: <u>Subject:</u> <i>Assessment of physical environment</i> , <u>Aspect:</u> <i>Description, classification and mapping of region, assessing agricultural potential of region</i> , <u>Location:</u> <i>Barkly Tableland, covering both Northern Territory and Queensland</i>
SECTION OF INTEREST: Entire survey is 55 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 559.4295 SUR
EASE OF READING: Technical report ; formal English

TITLE: <i>Survey of the Barkly Region, Northern Territory and Queensland, 1947-48</i>
AUTHOR: CHRISTIAN, C. S., et. al.
PUBLISHER: C.S.I.R.O.; Melbourne, Australia
YEAR PUBLISHED: 1954
SOURCE: Report, long
ABSTRACT: A field survey of the Barkly region of the Northern Territory and Queensland was conducted in 1947-48. This was one of a series of surveys initiated by C.S.I.R.O at the request of the Northern Australia Development Committee in order that an accurate knowledge of the nature of the country and its potential might be made available for the formulation of policies concerning development. These surveys have the objectives of describing, classifying and mapping the country, including its surface geology, topography, soils and vegetation; and of broadly assessing landuse potential by consideration of these inherent land characteristics in relation to the prevailing climate and possibilities of irrigation.
KEYWORDS: <u>Subject:</u> <i>Assessment of physical environment</i> , <u>Aspect:</u> <i>Description, classification and mapping of region, assessing agricultural potential of region</i> , <u>Location:</u> <i>Barkly Tableland, covering both Northern Territory and Queensland</i>
SECTION OF INTEREST: Entire survey is 182 pages
DOCUMENT LOCATION: Northern Territory University Library / Water Resources Library (A & D)
LIBRARY CALL NUMBER: 559.429 SURV / 0934
EASE OF READING: Technical report ; formal English

TITLE: <i>Reports on the Tablelands, Northern Territory</i>
AUTHOR: LINDSAY, D. and WINNECKE, C.
PUBLISHER: Government Printer; Adelaide, S.A.
YEAR PUBLISHED: 1889
SOURCE: Parliamentary reports
SUMMARIES: This report contains two papers, one written by each author. Lindsay reports on the physical features, geology, climate and rainfall of "The Tableland." Water in the area, both surface and ground, is described and includes a small note on conserving water and bore capacities. The paper concludes with a paragraph on soils in the area and vegetation suitable for stock consumption. Winnecke briefly describes the geology and waters of the area (referred to as "Barclay Tablelands"). A paragraph concerning the climate and vegetation concludes the paper.
KEYWORDS: <u>Subject:</u> <i>Physical environment of the Barkly Tablelands</i> , <u>Aspect:</u> <i>Geology, water, climate and vegetation</i> , <u>Location:</u> <i>Barkly Tableland</i>
SECTION OF INTEREST: Both papers total 3 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 919.4295 LIN
EASE OF READING: Technical report ; formal English

TITLE: <i>Pasture Lands of the Northern Territory, Australia</i>
AUTHOR: PERRY, R.A.
PUBLISHER: C.S.I.R.O., Australia
YEAR PUBLISHED: 1960
SOURCE: Book, short
SUMMARY: The selected section of the piece describes 8 recognised pasture groups in the Northern Territory. The characteristics of each pasture group is described in terms of the type of pasture; location and area the pasture covers including vegetation it is composed of. It also covers prevalent soil types; annual rainfall; stocking rates (as at 1960) and pasture lands associated with the ambient soil types. The section addresses growth cycles of vegetation in terms of pastoral value, stock waters available and current (as at 1960) management practices. Photographs of the vegetation species are included.
KEYWORDS: <u>Subject:</u> <i>Pasture groups</i> , <u>Aspect:</u> <i>General characteristics of each group, areas occupied, management practices</i> , <u>Location:</u> <i>Barkly Tableland</i>
SECTION OF INTEREST: Pages 24-51 inclusive (not including photographs)
DOCUMENT LOCATION: Alice Springs Public Library
LIBRARY CALL NUMBER: AS COLL 633.20944 PER
EASE OF READING: Technical report ; formal English

TITLE: <i>A Review of Astrebla (Mitchell Grass) Pastures in Australia</i>
AUTHOR: ORR, D.M.
PUBLISHER: Commonwealth Scientific Industrial Research Organization (CSIRO), Highett, Victoria
YEAR PUBLISHED: 1975
SOURCE: Journal: <i>Tropical Grasslands</i> , Vol 9 No. 1, March 1975
ABSTRACT: <i>Astrebla spp</i> are well adapted to the harsh environment in which they occur. This adaptation is due largely to the structure of the root system and to the differential growth response to rainfall events. Each species exhibits similar growth characteristics throughout their widespread climatic occurrence. Development of the pasture in any particular area depends on the rainfall and past grazing history. Seasonal fluctuations in the contribution of Mitchell grasses to the pasture occur but deterioration is probably not widespread. This deterioration has been noted in pastures that have been heavily overgrazed by sheep during prolonged dry spells, during growing periods or continuously grazed by horses. This review indicates that quantitative data on a major grass genus in an important grassland are limited.
KEYWORDS: <u>Subject:</u> <i>Ecology of Mitchell grass</i> , <u>Aspect:</u> <i>Adaptations to environment, growth patterns, grazing impact</i> , <u>Location:</u> <i>Barkly Tablelands</i>
SECTION OF INTEREST: Review covers pages 21-36 in <i>Tropical Grasslands</i>
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 636.202 ORR
EASE OF READING: Technical report ; scientific format

ECONOMIC INFORMATION

TITLE: <i>Report on the Seminar on the Economic Development of Tennant Creek and the Barkly Region...21 February, 1980</i>
AUTHOR: Municipality of Tennant Creek; Confederation of Industry and Commerce & Northern Territory Development Corporation
PUBLISHER: (unpublished)
YEAR PUBLISHED: 1980
SOURCE: Seminar Proceedings
AIMS AND OBJECTIVES: The seminar was designed to provide a forum for public discussion on matters affecting the economic development of the Tennant Creek region. In particular, organisers set out to bring representatives of Government departments before the local community to provide an opportunity for frank exchange of views, so that greater understanding might develop on both sides. The programme was designed to allow maximum participation by all who attended, by means of group discussions with reports back to the full meeting. A number of speakers also addressed the seminar on a wide range of subjects considered relevant to the aims. A supplement to this report is a bound copy of notes on speakers' talks. (See next entry.)
KEYWORDS: <u>Subject:</u> <i>Public/Government Meeting</i> , <u>Aspect:</u> <i>Economic development, Industry, Public involvement and interaction</i> , <u>Location:</u> <i>Barkly Tableland, Tennant Creek</i>
SECTION OF INTEREST: Entire report, 14 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 330.99429 SEM
EASE OF READING: Seminar; plain English

TITLE: <i>A Seminar on the Economic Development of Tennant Creek and the Barkly Region...21 February, 1980</i>
AUTHOR: Municipality of Tennant Creek; Confederation of Industry and Commerce & Northern Territory Development Corporation
PUBLISHER: (? as above)
YEAR PUBLISHED: 1980
SOURCE: Seminar notes
SUMMARY: This is a bound copy providing notes on lectures given by invited speakers. Topics addressed were the NT Industry; Current Economic Indicators; Importance and Prospects of Tourism in the Tennant Creek Region; Prospects for Rural Industry; The Challenge of Providing Land; Water Resources; Mining and Tennant Creek and the NT Development Corporations' Services to Industry.
KEYWORDS: <u>Subject:</u> <i>Public/Government Meeting</i> , <u>Aspect:</u> <i>Economic development, Industry, Public involvement and interaction</i> , <u>Location:</u> <i>Barkly Tableland, Tennant Creek</i>
SECTION OF INTEREST: Entire Document is 41 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 330.99429 SEM
EASE OF READING: Seminar; plain English

TITLE: <i>Barkly Region Economic Development Strategy</i>
AUTHOR: Northern Territory Department of Industries and Development
PUBLISHER: Northern Territory Department of Industries and Development
YEAR PUBLISHED: 1992
SOURCE: Government Strategy Report, long
SUMMARY: The strategy was developed through the Barkly Regional Economic Development Committee, which consists of residents, local business people, the Tennant Creek Town Council and public servants. It was produced with a view to identify further development opportunities. It was developed in two parts, to identify resources of the area, and to highlight means to improve and promote economic activity. A brief regional profile (associated with attached maps) is given, and it reviews ideas for economic development (for example through Aboriginal ventures, mining and tourism). Development and implementation strategies are also addressed. A supplement to this document is the set of 18 maps presented in a separate document.
KEYWORDS: <u>Subject:</u> <i>Economic development</i> , <u>Aspect:</u> <i>Identify regional resources, Identify strategic direction</i> , <u>Location:</u> <i>Barkly Tableland</i>
SECTION OF INTEREST: Entire document is 59 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 330.994295 BAR
EASE OF READING: Technical report ; formal English

HISTORICAL ACCOUNTS

TITLE: <i>The Present Scheme of Development for the Barkly Tableland with a short history of the Northern Territory</i>
AUTHOR: ABBOTT, C.L.A.
PUBLISHER: William Brooks, Printers; Sydney N.S.W.
YEAR PUBLISHED: 1936
SOURCE: Report, short
ABSTRACT: Abbott discusses the details of the Barkly Tableland scheme; a plan to develop the pastoral industry through Government assistance by improvement of public works, building of a port, meatworks and road and river transport facilities. He details the negotiations with the Government, travelling distances for stock to market and the costs of travel, exporting and expenditure within the Territory on station holdings. Included in this discussion is a short history of the Northern Territory and development of the Territory under Commonwealth administration.
KEYWORDS: Subject: Barkly Tablelands, Aspect: Range management, economic aspects, Location: Barkly Tableland, Northern Territory
SECTION OF INTEREST: Entire piece, 11 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAFL PAM 994.29 ABB
EASE OF READING: Memoirs; plain English

TITLE: <i>The Barkly Tableland</i>
AUTHOR: BAYNE, M..
PUBLISHER: Longmans of Australia; Croydon, Victoria
YEAR PUBLISHED: 1957
SOURCE: Book, short
ABSTRACT: "The Barkly Tableland" forms part of a series of Longmans' Australian Geographies. The landscape and vegetation of the region is described in detail, and includes photographs of some flora and maps their abundance and growth. Water Resources and ambient climate are covered. Much of the remainder of the book is dedicated to describing the pastoral industry. Several maps are included; location of the Tableland and stations on it, a road map, and the two above mentioned vegetation maps.
KEYWORDS: Subject: Barkly Tableland, Aspect: Descriptions of physical environment, water availability, pastoral industry, Location: Barkly Tablelands, Northern Territory
SECTION OF INTEREST: Entire piece, 40 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAFL PAM 919.429 BAYN
EASE OF READING: Memoirs; plain English

TITLE: <i>The Darcys of Mallapunyah Springs</i>
AUTHOR: DARCY, F. M.
PUBLISHER: Historical Society of the Northern Territory; Darwin, N.T.
YEAR PUBLISHED: 1989
SOURCE: Book, short
SUMMARY: This account opens with a chapter on Mallapunyah Springs today; the present owners, where the station is situated, water supplies, the climate and fauna of the area. Further chapters cover the history of the immigrant families (the Darcys and the Kleins) and their children, through to Edward John Darcy and Alice Klein. This union produced George Darcy who, with his wife Elizabeth (nee Walden) established Mallapunyah. The account details life for the Darcys on Mallapunyah; everyday affairs, tales of cattle droving and mustering, communication and interaction with Aboriginals living on and around the station. A recent history of the station finishes the book.
KEYWORDS: <u>Subject:</u> <i>Mallapunyah Springs, Darcy family</i> , <u>Aspect:</u> <i>Historical: origins of the family, development of the station, life on Mallapunyah station</i> , <u>Location:</u> <i>Mallapunyah Springs, central Barkly Tablelands</i>
SECTION OF INTEREST: Entire book, 87 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: B 636.201 DAR
EASE OF READING: Historical account ; formal English

TITLE: <i>A Report on a Review of Historic Sites in Central Australia, Alice Springs and Barkly Regions Under Control of the Conservation Commission</i>
AUTHOR: FORREST, P.
PUBLISHER: Peter Forrest; Darwin, for Conservation Commission of the N.T.
YEAR PUBLISHED: 1989
SOURCE: Report, long
SUMMARY: This volume of the report gives an historical overview, mainly addressing Central Australia. It incorporates the physical setting (climate, soils, water courses and vegetation), traditional Aboriginal occupation and European settlement from early exploration through the overland telegraph to pastoral development and urban growth. The report also details the Australian Internal Council on Monuments and Sites' guidelines for the conservation of cultural significance (known as the Burra Charter), from pages 26 - 30 inclusive.
KEYWORDS: (Selected section) <u>Subject:</u> <i>Historic sites under Conservation Commission control</i> , <u>Aspect:</u> <i>Listing of sites, physical environment and traditional Aboriginal occupation</i> , <u>Location:</u> <i>Barkly Tablelands</i>
SECTION OF INTEREST: <u>Volume 1</u> , pages 2 - 22
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 994.291 FOR
EASE OF READING: Historical Report ; formal English

TITLE: <i>You Can't Make it Rain, The Story of the North Australian Pastoral Company 1877-1991</i>
AUTHOR: KOWALD, M. and JOHNSTON, W. R.
PUBLISHER: Boolarong Publications; Brisbane, Queensland
YEAR PUBLISHED: 1992
SOURCE: Book, long
SUMMARY: This book focuses on one of Australia's largest and oldest private cattle companies, the North Australian Pastoral Company. A vast area of the Barkly Tablelands was leased by a partnership of five men in 1877. A large portion of this land - Alexandria Station - is still held today by descendants of three of the original group. This book addresses 114 years of the company and describes the hardships and highlights typical of those experienced in the cattle industry. It contains many photographs and sketches of the property, the people associated with it and of daily life in harsh outback conditions.
KEYWORDS: <u>Subject:</u> <i>North Australian Pastoral Company</i> , <u>Aspect:</u> <i>Historical: people involved, frontier and pioneer life, growth of company</i> , <u>Location:</u> <i>Western Queensland and western Northern Territory stations</i>
SECTION OF INTEREST: Entire book, 260 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC FOL 636.201 KOW
EASE OF READING: Historical account ; plain English

TITLE: <i>Historical Survey of European Settlement on the Eastern Barkly Tablelands</i>
AUTHOR: LIDDLE, R.
PUBLISHER: National Trust of Australia; Darwin, N.T.
YEAR PUBLISHED: 1996
SOURCE: Report, long
ABSTRACT: This report presents an historical overview of the region including its discovery and settlement by Europeans, and historical links with stock routes and service centres. The pastoral value of the Mitchell Grass plains was recognized by the early explorers and despite a slow start, the pastoral industry established in the area still remains the economic base. Chapter One details the early exploration and settlement of the Barkly Tablelands while Chapter Two examines the development of the pastoral industry. A brief history and documentation of the historic sites on ten eastern Barkly Tablelands properties comprise the body of this report. These properties are Alexandria, Austral Downs and Burrumurra, Avon Downs, Benmara, Creswell Downs, Lake Nash and Georgina Downs, and Mittiebah and Mt Drummond. Maps, photographs and site plans (for example, the homestead), are included in the report.
KEYWORDS: <u>Subject:</u> <i>Eastern Barkly Tablelands</i> , <u>Aspect:</u> <i>Historical overview, listing and documentation of historic sites</i> , <u>Location:</u> <i>Eastern Barkly Tableland</i>
SECTION OF INTEREST: Entire survey, 277 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 994.295 LID
EASE OF READING: Historical report ; plain English

TITLE: <i>Historical Survey of European Settlement on the Western Barkly Tablelands</i>
AUTHOR: LIDDLE, R.
PUBLISHER: National Trust of Australia; Darwin, N.T.
YEAR PUBLISHED: 1990
SOURCE: Report, long
ABSTRACT: This report presents an historical overview of the region including its discovery and settlement by Europeans, and historical links with stock routes and service centres. The pastoral value of the Mitchell Grass plains was recognized by the early explorers and despite a slow start, the pastoral industry established in the area still remains the economic base. Chapter One details the early exploration and settlement of the Barkly Tablelands while Chapter Two examines the development of the pastoral industry. A brief history and documentation of the historic sites on ten western Barkly Tablelands properties comprise the body of this report. These properties are Alroy Downs, Anthony's Lagoon, Banka Banka, Brunchilly, Brunette Downs, Eva Downs, Helen Springs, Rockhampton Downs and Wallhallow. Maps, photographs and site plans (for example, the homestead), are included in the report.
KEYWORDS: <u>Subject:</u> <i>Western Barkly Tablelands</i> , <u>Aspect:</u> <i>Historical overview, listing and documentation of historic sites</i> , <u>Location:</u> <i>Western Barkly Tableland</i>
SECTION OF INTEREST: Entire survey, 248 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 994.295 LID
EASE OF READING: Historical report ; plain English

TITLE: <i>Newcastle Waters</i>
AUTHOR: SQUIRES, K.
PUBLISHER: Kirsteen Squires; Newcastle Waters, N.T.
YEAR PUBLISHED: 1990
SOURCE: Pamphlet
SUMMARY: This historical pamphlet covers Newcastle Waters' last 129 years, from the naming of the waterhole in 1861, through its several lessees, to the present owners. It describes the stock routes, associates problems with markets for fat cattle, the sinking of bores along the stock routes and Newcastle Waters becoming a depot for the NT Works Department and its crew.
KEYWORDS: <u>Subject:</u> <i>Newcastle Waters</i> , <u>Aspect:</u> <i>Historical</i> , <u>Location:</u> <i>Newcastle Waters, northwest Barkly Tablelands</i>
SECTION OF INTEREST: Pamphlet is 11 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAC PAM 994.295 NEW
EASE OF READING: Historical account ; plain English

TITLE: <i>Newcastle Waters</i>
AUTHOR: TRAVERS, M.
PUBLISHER: National Trust of Australia; Darwin, N.T.
YEAR PUBLISHED: 1986
SOURCE: Report, long
ABSTRACT: This report is the result of a research consultancy between National Trust of Australia (N.T.) and the writer. In general terms, the research subject is the town of Newcastle Waters which is located just north of Elliott in the Northern Territory. The objectives of the consultancy contract were as follows:-..to fully document the importance of Newcastle Waters township in the East-North movement of cattle in the Northern Territory Pastoral Industry, placing emphasis on the remaining structures, their use and social significance. The architectural variety and visual integrity of the township precinct will also be assessed, and the consultant is asked to make recommendations for further work and possible public presentation (consultancy contract between the National Trust of Australia (N.T.) and M.D.Travers, 1985:8).
KEYWORDS: <u>Subject:</u> <i>Newcastle Waters</i> , <u>Aspect:</u> <i>Historical, Structures for accommodating cattle industry, significance of Newcastle Waters</i> , <u>Location:</u> <i>Newcastle Waters, northwest Barkly Tablelands</i>
SECTION OF INTEREST: Entire report, 128 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 994.295 TRA
EASE OF READING: Historical account ; formal English

TITLE: <i>Helen Springs Station</i>
AUTHOR: TUXWORTH, H.
PUBLISHER: NT Historical Society in association with the Faculty of Arts, Northern Territory University
YEAR PUBLISHED: 1992
SOURCE: Report, long
SUMMARY: This report details the history of Helen Springs Station from 1885 to 1987. The origins of the name are still unclear, and a brief idea is presented here. A history of the station ownership, of cattle transportation and of the people involved in the station is detailed. Thoughts of people connected with the station on various topics, covering the Bohning family, general improvements, School of the Air, the events leading to the cessation of the Aboriginal workforce on the station and general station life. This piece contains extracts from Elsie Bohning's work, photographs of the station and of its people.
KEYWORDS: <u>Subject:</u> <i>Helen Springs Station</i> , <u>Aspect:</u> <i>Historical: development of the station, recollections of people connected with it</i> , <u>Location:</u> <i>Helen Springs Station, northwest Barkly Tablelands</i>
SECTION OF INTEREST: Entire piece, 56 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 636.201 TUX
EASE OF READING: Historical account ; plain English

TITLE: <i>Avon Downs, N.T., 1882-1982</i>
AUTHOR: WAGSTAFF, C.
PUBLISHER: Australian Agricultural Company Limited; Tamworth, N.S.W.
YEAR PUBLISHED: 1982
SOURCE: Pamphlet
SUMMARY: This short history of Avon Downs covers events on the Barkly Tablelands from its "discovery" by William Landsborough in December 1861. It briefly describes the story of the Ranken brothers and their attempts to run sheep on the Barkly Tablelands, the discovery of gold in the area and consequential push for land in the NT. It covers Thomas Guthrie's ownership and involvement in Avon Downs, the running of sheep and eventual introduction of cattle on the station, to the water situation, communications and the war years. <i>There is also an educational pamphlet produced for the Northern Territory Education Department (1989), under the same library call number. It includes activities for students on each topic covered (34 pages).</i>
KEYWORDS: <u>Subject:</u> <i>Avon Downs</i> , <u>Aspect:</u> <i>Historical: development of station, running of sheep, present occupation</i> , <u>Location:</u> <i>Avon Downs, eastern Barkly Tablelands</i>
SECTION OF INTEREST: Entire pamphlet, 24 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 636.201 WAG
EASE OF READING: Historical account; plain English

HISTORICAL MEMOIRS

TITLE: <i>Droving Days</i>
AUTHOR: BARKER, H. M.
PUBLISHER: Hesperian Press
YEAR PUBLISHED: 1966
SOURCE: Book, long
ABSTRACT: After highlighting the achievements of some of the best known of the early pioneers - Hawdon, Tyson, de Satge. Sutherland, Gray, Buchanan, Christison and Cotton he introduces us to the pleasures, rigours, vagaries and discomforts of droving as he himself experienced them.
KEYWORDS: <u>Subject:</u> <i>Cattle droving, sheep droving life in the outback</i> , <u>Aspect:</u> <i>Travelling and description, frontier life, characters he met</i> <u>Location;</u> <u>Selected section:</u> <i>Barkly Tablelands</i>
SECTION OF INTEREST: Pages 26 - 30 inclusive
DOCUMENT LOCATION: Northern Territory / Katherine / Alice Springs Libraries
LIBRARY CALL NUMBER: 636.201 BAR / 636.201 BAR / 636.201 BAR
EASE OF READING: Memoirs; plain English

TITLE: <i>In the Tracks of Old Bluey - the Life Story of Nat Buchanan</i>
AUTHOR: BUCHANAN, B.
PUBLISHER: Central Queensland University Press
YEAR PUBLISHED: 1997
SOURCE: Book, long
ABSTRACT: Nat Buchanan was the first European to cross the Barkly Tablelands from east to west and first to take a large herd of breeding cattle from Queensland to the Top End of the Northern Territory. Buchanan created a droving record when he supervised the movement of 20,000 head of cattle over this route. He established the first station in the Victoria River District of the Northern Territory - Wave Hill. He was first with cattle to the East Kimberley in Western Australia to stock Ord River Station and first to cross the Murrniji country with man and stock.
KEYWORDS: <u>Subject:</u> <i>Buchanan's life in the outback</i> , <u>Aspect:</u> <i>Travelling and description, droving, frontier life</i> , <u>Location:</u> <i>Barkly Tablelands</i>
SECTION OF INTEREST: Entire book
DOCUMENT LOCATION: Northern Territory Library / Katherine Library
LIBRARY CALL NUMBER: NAEL B919.4 BUC / KCOLL REF B636.2 BUCH
EASE OF READING: Memoirs; plain English

TITLE: <i>Elsie Bohning, the Little Bush Maid</i>
AUTHOR: BOHNING, E.
PUBLISHER: Northern Territory Library Service; Darwin, N.T.
YEAR PUBLISHED: 1920
SOURCE: Library pamphlet, Occasional Papers
SUMMARY: This compilation of letters, newspaper sections, columns and verse was written during Elsie's teenage years, and dates between 1921 and 1932. It covers a wide range of topics relating to life on a Barkly Tablelands pastoral station. These include her stories from droving, mustering cattle, stock route well leases, general station work and the potency of the sage bush (fuchsia) and its devastating effects on the cattle.
KEYWORDS: <u>Subject:</u> <i>Life on Helen Springs station</i> , <u>Aspect:</u> <i>Travelling and description, station occurrences, frontier life</i> , <u>Location:</u> <i>Helen Springs, northwest Barkly Tablelands</i>
SECTION OF INTEREST: Entire pamphlet, 50 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: PAM 919.4295 BOH
EASE OF READING: Memoirs ; plain English

TITLE: <i>With the Big Herds in Australia</i>
AUTHOR: COTTON, A. J.
PUBLISHER: A. J. Cotton; Hidden Vale, Queensland
YEAR PUBLISHED: 1931
SOURCE: Book, long
SUMMARY: This book details the life of A. J. Cotton through to the time it was published. It begins with Cotton's first encounter with a horse and through his adventures on the journey to Australia by ship, to his decision to "take up" the bush life. His life as a stockman, droving tales, his marriage and integration into the business side of the pastoral industry. During his career, Cotton survived the devastation of droughts, and experienced the buying and selling of some of the biggest herds of the time. The remaining six chapters of this book describe his involvement with the Barkly Tablelands station, Brunette Downs and the eventual sale to the White family. There are a number of photographs throughout the book, including early shots of Brunette Downs.
KEYWORDS: <u>Subject:</u> <i>Pastoral industry</i> , <u>Aspect:</u> <i>Cottons' involvement, buying and selling stations and cattle, Brunette Downs</i> , <u>Location:</u> <i>Brunette Downs, other stations throughout Australia</i>
SECTION OF INTEREST: Entire piece, 212 pages; 159-203 addresses Brunette Downs
DOCUMENT LOCATION: Northern Territory Library/Alice Springs Library
LIBRARY CALL NUMBER: B 636.2 COT
EASE OF READING: Autobiography ; plain English

TITLE: <i>Across the Barkly Tablelands to the Kimberleys: These are the Memories and Experiences of a Pioneer, Written in the Early 1920's</i>
AUTHOR: TRAINE, T.
PUBLISHER: (unpublished)
YEAR PUBLISHED: 1920
SOURCE: Report, short
ABSTRACT: The object of the writer is to compile a narration of facts free from fictitious perversions. Traine's principal qualifications are practical experiences commencing from the early goldfield days in NSW and a knowledge acquired on outback Cattle Stations & droving, early pioneering and exploring the far north of Australia, overlanding to Western Australia and coming in to contact with tribes of Aborigines who had not seen a white man before. <i>The relevant section describes Traine's life on the Barkly Tablelands, recounting droving tales, interaction with Aborigines, herd branding and the Station's Chinese cook.</i>
KEYWORDS: (Selected section) <u>Subject:</u> <i>His own life on the Barkly Tablelands</i> , <u>Aspect:</u> <i>Pioneering and frontier life, prospecting and droving tales</i> , <u>Location:</u> <i>Stations over the Barkly Tableland</i>
SECTION OF INTEREST: pages 13-22 inclusive
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 919.4295 TRA
EASE OF READING: Memoirs ; plain English

TITLE: <i>Memoirs of J. S. White at Brunette Downs</i>
AUTHOR: WHITE, J.S.
PUBLISHER: Council of the Kings School; Parramatta, N.S.W.
YEAR PUBLISHED: 1992
SOURCE: Book, long
SUMMARY: This is an account of White's life at Brunette Downs station through the years of 1932 to 1935, when he worked as a station hand and stockman. He recounts tales of droving, mustering, abilities of station cooks and goanna chasing with the Aboriginal stockmen. White writes of pleuro and the advantages of inoculation by the virus, instead of a cultivated virus and of dealing with the effects of the virus on cattle. The piece has verse and sketchings by White scattered through the text. During the years of 1946 until 1958, White became general manager of Brunette Downs and other properties, after his father died. In this section of the memoirs, White relates tales of events that occurred, the 1954 Bull Show and sale at Brunette Downs and concludes with the sale of Brunette Downs in 1958.
KEYWORDS: <u>Subject:</u> <i>Life on Brunette Downs Station</i> , <u>Aspect:</u> <i>Station life, verse, droving and frontier life</i> , <u>Location:</u> <i>Brunette Downs, western Barkly Tablelands</i>
SECTION OF INTEREST: Entire piece, 191 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: Q 636.210 WHI
EASE OF READING: Memoirs ; plain English

TITLE: <i>Packhorse Drover</i>
AUTHOR: SIMPSON, B.
PUBLISHER: Australian Broadcasting Commission Books
YEAR PUBLISHED: 1996
SOURCE: Book, long
ABSTRACT: In Packhorse Drover we hear the authentic voice of the outback drover before the roar of motors drowned out the music of horse-bells. During the decade of the 1950s Simpson walked mobs of cattle more than 1200 strong from the Northern Territory to the railhead at Dajarra or to fattening properties "inside" (in Queensland). His poems and yarns about this tough, uncompromising life are widely known in the bush.
KEYWORDS: <u>Subject:</u> <i>Life on Brunette Downs Station</i> , <u>Aspect:</u> <i>Station life, verse, droving and frontier life</i> , <u>Location:</u> <i>Brunette Downs, western Barkly Tablelands</i>
SECTION OF INTEREST: Entire piece
DOCUMENT LOCATION: Northern Territory Library / Katherine Library
LIBRARY CALL NUMBER: NAFL B636.2 SIM / B636.2 SIM
EASE OF READING: Memoirs ; plain English

TITLE: <i>The Present Scheme of Development for the Barkly Tableland with a short history of the Northern Territory</i>
AUTHOR: ABBOTT, C.L.A.
PUBLISHER: William Brooks, Printers; Sydney, N.S.W.
YEAR PUBLISHED: 1936
SOURCE: Report, short
ABSTRACT:
KEYWORDS: <u>Subject:</u> <i>Barkly Tablelands</i> , <u>Aspect:</u> <i>Range management, economic aspects</i> , <u>Location:</u> <i>Barkly Tableland, Northern Territory</i>
SECTION OF INTEREST: Entire piece, 11 pages
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NAFL PAM 994.29 ABB
EASE OF READING: Memoirs ; plain English

TITLE: <i>The Barkly Tableland</i>
AUTHOR: BAYNE, M.
PUBLISHER: Longmans of Australia; Croydon, Victoria
YEAR PUBLISHED: 1957
SOURCE: Book, long
ABSTRACT:
KEYWORDS: <u>Subject:</u> <i>Life on the Barkly Tableland</i> , <u>Aspect:</u> <i>Descriptions of and travel</i> , <u>Location:</u> <i>Barkly Tablelands, Northern Territory</i>
SECTION OF INTEREST: Entire piece
DOCUMENT LOCATION: Northern Territory Library
LIBRARY CALL NUMBER: NA CL PAM 919.429 BAYN
EASE OF READING: Memoirs ; plain English