

# PRELIMINARY SITE INVESTIGATION

**213 Dickward Drive, Ludmilla  
Northern Territory**

**Prepared for:**

Citiland Pty Ltd  
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## BASIS OF REPORT

This report has been prepared by SLR Consulting Australia Pty Ltd (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with Citiland Pty Ltd (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of the Client. No warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from SLR.

SLR disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.

## DOCUMENT CONTROL

Reference	Date	Prepared	Checked	Authorised
680.30031.00000-R01-v0.2	20 October 2020	Sarah Doherty	Julie McDowell	

## EXECUTIVE SUMMARY

Citiland Pty Ltd C/- Planit Consulting Pty Ltd (herein referred to as 'the Client') commissioned SLR Consulting Australia Pty Ltd (SLR) to undertake a Preliminary Site Investigation (PSI) for the proposed subdivision and development application of land located at 213 Dickward Drive, Ludmilla, Northern Territory (herein referred to as 'the site').

This investigation is intended to assist in addressing Condition 6 of the Development Permit (DP14/0831) that has been issued by the Northern Territory Government (NTG) relating to the proposed subdivision of the site.

*Condition 6: Prior to the endorsement of plans and prior to the commencement of works (including site preparation), the applicant is to submit a Statement of Environment Audit, from a suitably qualified person under section 68 of the Waste Management and Pollution Control Act, certifying the site is suitable for its intended use, and that any contaminated soil has been appropriately remediated or disposed of, to the requirements of the NT Environment Protection Authority, to the satisfaction of the consent authority.*

The objective of this PSI was to assess whether contamination has the potential to exist on the site and whether further investigation is required. The scope of works undertaken to meet the objective of this PSI included the following tasks:

- Desktop Review: Review available records (including zoning and heritage records), previous environmental investigations (if available), geological, hydrogeological and topographical information, historical aerial photographs of the property and immediate surrounds, with the objective of identifying any current or past uses at or adjacent to the site that have the potential to contaminate land and/or groundwater.
- Site Inspection.
- Limited Environmental Assessment: Sampling of waste debris found at the site to confirm if it is asbestos containing material (ACM).

The results of this PSI indicated the following:

- The site is currently owned by the Gwalwa Daraniki Association Inc and leased to Citiland Pty Ltd.
- A review of historical town plans shows that the site was part of a larger land parcel zoned as an Aboriginal Reserve from 1937 until at least 1973. In 1979, a Special Purpose Lease was created for the larger land parcel (Lot 5182), which the site is part of, where the current owner was listed on the historical certificate of title. From 1990, a number of utility easements and land access concessions are also listed on the title.
- A review of historic aerial imagery identified that the site has been and continues to be vacant and largely undeveloped. Previous activities that have occurred across different portions of the site include gravel extraction, Royal Australian Airforce (RAAF) Base operations (north eastern corner), and burial of Cyclone Tracy debris (south western corner).
- Site inspection revealed that illegal "fly tipping" was widespread across the site. Primary type of waste being dumped at the site appears to be a mixture of residential/commercial demolition wastes, including but not limited to bricks, scrap metal, drums, tyres, concrete footings, bathroom/kitchen tiles, glass, asphalt, bitumen, soil containing rubble/ACM, asbestos containing pipes and broken sheeting, abandoned vehicles.
- Site inspection also revealed that some areas of the site has been capped using uncontrolled fill.

- Surrounding land uses include the Darwin International Airport, Darwin RAAF Base, United Service Station and commercial properties to the east, commercial properties and Karu Park to the north, residential properties to the south and largely unoccupied land to the west where historical burial of Cyclone Tracy debris has occurred.
- Potential sources of contamination have been identified and include burial of debris from Cyclone Tracy impact, illegal dumping of residential/commercial demolition wastes, uncontrolled fill, historical RAAF Base operations, and offsite sources including the adjacent United service station and Darwin International Airport and Darwin RAAF Base.
- Waste debris sampled at the site confirmed the presence of ACM.
- Potential receptors include on-site maintenance workers that periodically control vegetation at the site; off-site residential and commercial land users, and on/off site ecological receptors.

Based on the information gathered during the desktop review, observations made during the site walkover and the results of the limited soil investigation, SLR concludes that ACM is present at the site, and that additional soil and groundwater contamination is also likely to be present.

SLR recommends the following be undertaken to confirm the suitability of the site for the proposed development:

- Development of a Sample Analysis and Quality Plan to assess the contamination status of soil and groundwater at the site with consideration given to proposed uses of the site.
- A Detailed Site Investigation be undertaken.



## LIST OF ABBREVIATIONS

ACM	Asbestos Containing Material
AEC	Area of Environmental Concern
ACC	Area of Conservation Concern
AHD	Australian Height Datum
ALS	Australian Laboratory Services Pty Ltd
ASS	Acid Sulphate Soils
B(a)P	Benzeno(a)pyrene
BTEXN	Benzene, Toluene, Ethylbenzene, Xylene, and Naphthalene
COC	Chain of Custody
COPC	Contaminants of Potential Concern
CSM	Conceptual Site Model
DENR	Department of Environment and Natural Resources
DSI	Detailed Site Investigation
EPA	Environment Protection Authority
GME	Groundwater Monitoring Event
GPR	Ground Penetrating radar
Ha	Hectare
HEPA	Heads of EPAs Australia and New Zealand
IL	Investigation Level
LOR	Limit of Reporting
mbgl	metres below ground level
mRL	metres Relative Level
NATA	National Association of Testing Authorities
NEPM	National Environment Protection Council (1999, 2013 revision), National Environment Protection (Assessment of Site Contamination) Measure
NT	Northern Territory
NTG	Northern Territory Government
OCP	Organochlorine Pesticides
OPP	Organophosphorus pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PFAS	Per- and Poly-fluoroalkyl Substances
RAAF	Royal Australian Airforce
SAQP	Sample Analysis and Quality Plan
SLR	SLR Consulting Australia Pty Ltd
SPR	Source-pathway-receptor
TPH	Total Petroleum Hydrocarbons
TRH	Total Recoverable Hydrocarbons

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# 1 Introduction

Citiland Pty Ltd C/- Planit Consulting Pty Ltd (herein referred to as 'the Client') commissioned SLR Consulting Australia Pty Ltd (SLR) to undertake a Preliminary Site Investigation (PSI) for the proposed subdivision and development application of land located 213 Dickward Drive, Ludmilla, Northern Territory (herein referred to as 'the site'). Refer to **Figure 1 (Appendix A)** for an overview of the site location.

This investigation is intended to assist in addressing Condition 6 of the Development Permit (DP14/0831) that has been issued by the Northern Territory Government (NTG) relating to the proposed subdivision of the site, as shown in **Figure 2 (Appendix A)**.

*Condition 6: Prior to the endorsement of plans and prior to the commencement of works (including site preparation), the applicant is to submit a Statement of Environment Audit, from a suitably qualified person under section 68 of the Waste Management and Pollution Control Act, certifying the site is suitable for its intended use, and that any contaminated soil has been appropriately remediated or disposed of, to the requirements of the NT Environment Protection Authority, to the satisfaction of the consent authority.*

This PSI was undertaken in accordance with the scope and limitations as presented in SLR's proposal dated 16 September 2020 (SLR Report A00.00999-P01-v2.0) that was accepted by the client on 17 September 2020.

## 1.1 Purpose and objectives

SLR understands the purpose of this PSI was to assess the potential for soil and/or groundwater contamination to be present at the site with consideration being given to the proposed future development of the site into a mixture of public open space and commercial land uses. The objectives of this PSI are as follows.

- Identify site and surrounding landholding characteristics and current conditions.
- Identify past or current uses and activities at the site and in the surrounding area that have potential to contaminate land and/or groundwater.
- Identify Contaminants of Potential Concern (CoPC) based on past or current activities.
- Indicate whether contamination will affect future use or development of the site.
- Provide preliminary advice on whether there were contaminating activities at the site that would preclude the site from being suitable for its intended use.
- Recommend further assessment necessary (if required) to inform the suitability of the site for its intended use.

## 1.2 Scope of works

The scope of works undertaken to meet the objectives are summarised in **Table 1** and included the following tasks.

- Review available historical aerial photographs of the property and immediate surrounds with the objective of identifying any current or past uses at or adjacent to the site that have the potential to contaminate land and/or groundwater.

- Review relevant and available records (including zoning and heritage records) and previous environmental investigations (if available) with the same objective as above.
- Review all available geological, hydrogeological, and topographic information pertaining the site and immediate surrounds.
- A detailed site inspection to allow for the identification of any unknown areas of contamination or contaminating activities, and consisted of the following:
  - Confirmation of current site layout and uses of the property.
  - Identification of current and historical (where possible) uses of adjoining properties and potentially sensitive receptors nearby.
  - Check for visual signs of ground contamination.

This report was the deliverable prepared to include the findings of the tasks outlined above and provide recommendations relevant to the objectives of the assessment.

**Table 1 Scope of works**

Tasks	Works Completed
Desktop Review	
Define the site, its features and the surrounding area	<ul style="list-style-type: none"> <li>• Determined the legal description of the site (e.g. from Land-data Property Report).</li> <li>• Defined the site boundaries.</li> <li>• Identified site features (e.g. buildings, services, infrastructure etc.).</li> <li>• Summarised surrounding land uses including nearby sensitive environments / receptors.</li> <li>• Identified zoning for the site and surrounding areas as per the Town Plan.</li> <li>• Briefly described the topography and surface water drainage at the site.</li> </ul>
Hydrogeology & Groundwater Resource Use	<ul style="list-style-type: none"> <li>• Reviewed local and regional hydrogeology to indicate the site-specific conditions that may be encountered at the site (e.g. geology, aquifers present, groundwater flow etc.).</li> <li>• Groundwater utilisation search using the DENR databases.</li> </ul>
Review of Public Records on Site History	<ul style="list-style-type: none"> <li>• Established change in land ownership and source historical maps of the area through publicly available documents where available and relevant to the site.</li> <li>• Compiled historical aerial photographs.</li> <li>• Undertook a search for the site or nearby properties on publicly available registers (e.g. Northern Territory Environment Protection Authority (NT EPA) registers and databases).</li> <li>• Review relevant, available, NTG records (which may include zoning, building and services plan approvals, water and air quality data, waste management, proximity to environmentally sensitive areas, proximity to local surface waters and proximity to groundwater resources).</li> <li>• Review all available cultural heritage information.</li> </ul>
Site Visit	
Health and Safety Plan	<ul style="list-style-type: none"> <li>• Preparation of a project specific Health and Safety Plan for SLR field personnel undertaking the works.</li> </ul>
Site Inspection & Surrounds	<ul style="list-style-type: none"> <li>• Visual inspection across the site physical boundary.</li> <li>• Identified and summarised relevant site features and infrastructure with the potential to result in contamination (such as above or underground storage tanks).</li> <li>• Performed an initial check of site surface to identify evidence of reworked soils (e.g. presence of imported fill, placement of solid wastes etc.).</li> <li>• Assessed surrounding areas for other potential sources of contamination.</li> </ul>

Tasks	Works Completed
Interviews	<ul style="list-style-type: none"> <li>Conducted interviews (where possible) with persons familiar with the site history to obtain relevant anecdotal information.</li> </ul>

## 2 Site information

Site information presented in this section is based on the results of desktop reviews and a site visit.

### 2.1 Property information

A summary of the property information obtained for the site is detailed below in **Table 2**. Refer to **Table 1** in **Appendix A** for the site location map.

**Table 2 Summary of property information**

Site Information	Details
Site Owner	Leased to Citiland Pty Ltd by the Gwalwa Daraniki Association Inc (owner)
Site Address	213 Dickward Drive, Ludmilla, Northern Territory
Parcel Reference	Portion of Lot 5182, Town of Darwin
Site Area	32.6 ha
Current Occupier	Unoccupied
Current Land Use	<p>Vacant, undeveloped land.</p> <p>During the site inspection, a long-term camp site was observed on Lot 4.</p> <p>Evidence of historic fly tipping was observed across the site, with waste including asbestos containing material (ACM). See Section 3.3 for more details on observations made during the initial site inspection.</p>
Proposed Future Land Use	Subdivision as per Development Permit DP 14/0831.
Current Zoning	<p>Zoning is described in relation to the Lot numbers labelled in <b>Figure 2 (Appendix A)</b>:</p> <ul style="list-style-type: none"> <li>Lots 1, 2, 3 and 4 – Specific use</li> <li>Lot 5 – Restricted development</li> </ul>
Local Government	City of Darwin
Surface and Subsurface Infrastructure	<ul style="list-style-type: none"> <li>The site is largely undeveloped.</li> <li>Drainage lines enter the site from the eastern boundary at five locations.</li> <li>Overhead electricity lines run north south within an easement leased to the Power and Water Authority.</li> </ul>

### 2.2 Site condition and surrounding environment

A summary of the properties adjacent to the site at the time of this assessment are summarised in **Table 3** below.

**Table 3 Summary of surrounding environment**

Site Aspects	Description
Summary of surrounding land uses	<ul style="list-style-type: none"> <li>North: <ul style="list-style-type: none"> <li>Sharing an eastern boundary with Lot 4, and northern boundary with Lot 5 – Karu Park, which is a public open space, largely grassed area used for public events including carnivals/circus events.</li> <li>Totem Road</li> <li>Commercial area including a service station, auto repair businesses (panel beaters, mechanical workshop, windscreen repairs), swimming pool shops and an office building</li> </ul> </li> <li>South: <ul style="list-style-type: none"> <li>Fitzer Drive</li> <li>Residential housing.</li> </ul> </li> <li>East: <ul style="list-style-type: none"> <li>Sharing part of an eastern boundary with Lot 2 and southern boundary with Lot 3 exists a United Petroleum service station, a chemist and a McDonald's restaurant</li> <li>Bagot Road</li> <li>Darwin Royal Australian Airforce (RAAF) Base and golf course</li> <li>Darwin International Airport.</li> </ul> </li> <li>West: <ul style="list-style-type: none"> <li>Dickward Drive</li> <li>Known historical burial area of Cyclone Tracy debris</li> <li>Darwin Harbour.</li> </ul> </li> </ul>
Topography	<ul style="list-style-type: none"> <li>The site is relatively flat, sloping gradually towards the south west</li> <li>Drainage lines transect the site from east to west at five points across the site</li> <li>Multiple stockpiles, suspected to be resultant of historic fly tipping, were observed during the initial site walk over, which have negligible to low impact on surface water flows across the site.</li> </ul>
Nearest ecological receptor	<ul style="list-style-type: none"> <li>A number of stormwater drainage lines traverse the site and appear to drain into Ludmilla Creek located approximately 1 km to the south west, before eventually discharging into Darwin Harbour located approximately 1.3 km to the west of the site.</li> <li>The site exists within the Darwin Harbour declared Site of Conservation Significance</li> </ul>

### 2.2.1 Regional geology

A review of the Darwin Northern Territory Australian 1:250,000 Geological Series map (NTDME, 1988) indicated the strata which underlay the site consisted of unconsolidated sand, ferruginous and clayey, sandy and gravelly soils including pisolitic and mottled laterite from the early period of the Cainozoic era. Additional geological features of the site included kaolinitic claystone, commonly raiolaria-rich, silty in places, montmorillonite, glauconitic and calcareous when fresh; basal conglomerate, minor bioturbated siltstone, carbonate, sandy claystone and clayey sandstone. Refer to **Appendix B** for an extract of the geological series map.

### 2.2.2 Regional and site hydrological and hydrogeological setting

The hydrological and hydrogeological setting is summarised in **Table 4** below.

**Table 4 Summary of hydrological and hydrogeological setting**

Site Aspects	Description
Aquifer Geological Unit	Expected to be within the Pine Creek Orogen geological region (NR Maps, 2020).
Groundwater depth	Expected to be between 4 m and 8 m below ground level (bgl) (NR Maps, 2020).
Groundwater flow and seepage velocity	Assumed to be the south west based on site topography and nearby surface water receptors
Surface water runoff	<p>Surface water is likely to flow toward the west south-west of the site and run through the drainage lines transecting the site from east to west. Drainage from the site appears to connect to Ludmilla Creek before discharging into the Darwin Harbour.</p> <p>Stormwater runoff from the Darwin Airport and Darwin RAAF Base located to the east of the site, also discharge onto the site. This may have implications with respect to introducing potential contamination to the site (refer to <b>Section 3.2</b> for further discussion).</p>
Groundwater Quality	<p>Groundwater quality will be confirmed during the subsequent detailed site investigation (DSI), during which monitoring wells will be installed across the site.</p> <p>Previous investigations relating to the Darwin Airport and Darwin RAAF Base indicate that groundwater beneath the site could be impacted with per-and poly-fluoroalkyl substances (PFAS) (refer to <b>Section 3.2</b> for further discussion).</p>
Registered Groundwater Bore Information	<p>A search of the Department of Environment and Natural Resources (DENR) <i>Natural Resource Maps</i> online database (DENR, 2020) indicated that no registered groundwater bores exist on site. The search further indicated that 14 registered groundwater bores existed within a 1 km radius of the site. Refer to <b>Appendix C</b> for a figure showing the location of the surrounding registered bores and <b>Appendix D</b> for copies of the registered bore reports. Further details obtained from a review of the registered bore reports is provided below:</p> <ul style="list-style-type: none"> <li>• Seven were investigation bores, six production bores and one had an unknown use listed.</li> <li>• The nearest production bore is located 250 m south of the site and was installed for the Bagot Community in October 2000 (bore number: RN032471). This bore was drilled to a depth of 60 m and screened from 30 m to 42 mbgl. Water quality results indicate that the groundwater extracted from this bore is suitable for potable/domestic uses.</li> <li>• All bores are located in areas assumed to be across or up gradient of the site.</li> </ul> <p>Note: Unregistered groundwater bores may be present in the area that do not appear on relevant databases</p>

### 2.2.3 Acid sulphate soils

Acid sulphate soils (ASS) are a characteristic natural feature of lowland coastal environments in Darwin, particularly where landform elevations are below 5m Australian Height Datum (AHD). ASS contain highly reactive iron sulphides generally in the form of framboidal pyrite. ASSs are benign when in a waterlogged state. However, when these soils are drained or excavated, oxygen from the atmosphere reacts with the iron sulphides in the soil resulting in the production of sulphuric acid and the potential release of metal compounds from disturbed soils.

A review of the *Atlas of Australian Acid Sulfate Soils* (CSIRO Land & Water, 2011) and DENR Natural Resource Maps online database (DENR, 2020) indicated the site does not exist within an area considered to be impacted by ASS. Refer to **Appendix E** for a copy DENR Acid Sulphate Soils Map. Common occurrence of ASS is noted on the tidal mud flats approximately 500 m to the west of the site.



## 3 Site history

### 3.1 Historical activities identified

A review of available NTG's Aerial Photography Index, historical archives, and current and historical certificates of title, were undertaken to assist in determining past and present land uses and activities that occurred on or surrounding the site that may have resultantly caused ground contamination. A summary of historical land uses and development activities that have occurred at the site is provided in **Table 5**. Refer to **Appendix F** for available historical aerial photographs and **Appendix G** for current and historical certificates of title.

**Table 5 Historical land uses and site development**

Date	Source of Information	Comment
1937	Historical Hundred of Bagot town plan supplied by NT Government	Site is included in the land parcel referred to as Section 839 on the map. Zoned as being an aboriginal reserve and includes land to the west of the site, (across the now established Dick Ward Drive). In Lot 5, a well is recorded as being present. Land to the east and south east are labelled for Defence purposes. Land to the north is subdivided into smaller allotments – indicative of residential/commercial landuses. No formal roads such as Bagot Road, Totem Road, Fitzer Drive or Dick Ward Drive are labelled on the plan. Land to the south has not been zoned for any nominated purpose.
1941 (imagery date: 1-Jan-1941)	Historic aerial image supplied by NT Government	Black and white photograph. Site and surrounding properties are undeveloped with minor access tracks/roads running through the site, presumably to gain access to the buildings located to the west of the site.
1944 (imagery date: 26-Apr-1944)	Historic aerial image supplied by NT Government	Black and white photograph. Access tracks within the site are similar to that observed on the 1941 aerial imagery, however they appear to be somewhat overgrown with vegetation. Bagot Road and Totem Road appear to be more clearly defined although they are still unsealed roads.  Earthworks are apparent to the south of the site, presumably related to the development of existing residential properties along Fitzer Drive.
1945 (imagery date: 1-Jan-1945)	Historic aerial image supplied by NT Government	Significant changes to the site are observed.  Appears that a section of runway has been extended into the north eastern corner of the site from the current Darwin Airport/Darwin RAAF Base, with some buildings adjacent to this area and further earthworks to continue/extend to the north western corner of the site. A stockpile is noted near the eastern boundary of Lot 4 of the site.  Access track and potential gravel extraction area located to the southern portion of the site, adjacent the current Fitzer Drive.  Earthworks occurring to the south eastern corner of the site.  Bagot Road appears more formalised. An unsealed track where Totem Road exists today is also visible.  Drainage lines underneath Bagot Road appears more formalised. Formalised drainage from Darwin RAAF Base entering site.
1950	Historical Hundred of Bagot town plan supplied by NT Government	Refer to as Section 839 on the map. Zoned as "Bagot Aboriginal Reserve". Land to the east is zoned for "RAAF Reserve". Totem Road and Bagot Road are formally recognised on the plan.
1973	Historical Hundred of Bagot town plan supplied by NT Government	Land has been subdivided to include the allotment in the north east corner where Karu Park is currently located, and the allotment where the service station currently exists (south east). Dick Ward Drive, Fitzer Drive, Totem Road and Bagot Road are formally recognised on the plan. Land to the south of the site is zoned residential.

Date	Source of Information	Comment
1974 (imagery date: 1 Jun-1974)	Historic aerial image supplied by NT Government	Dickward Drive formalised to the western portion of the Site, connecting the residential area to the south. Service station and associated infrastructure evident adjacent to the south eastern corner of the site. Retta Dixon Home is evident on the allotment located adjacent to the north eastern corner of the site. Large gravel extraction/stockpiling operation occurring roughly to the centre portion of the site. Bagot Road, Fitzer Drive, and Totem Road appear to be bituminised. Drainage lines underneath Bagot Road appears more formalised. Formalised drainage from Darwin RAAF Base entering site.
1975 (imagery date: 1-Jun-1975)	Historic aerial image supplied by NT Government	Evidence of Cyclone Tracy debris scattered across the site, where built infrastructure is present. Large trenches are evident extending into the south western corner of the site. These trenches are known to have been used to dispose of Cyclone Tracy debris - associated housing rubble and asbestos waste. Gravel extraction/stockpiling operation still occurring roughly to the centre portion of the site. Ground disturbance, perhaps small disposal pits evident to the north western portion of the site. Land uses surrounding the site have not differed from 1974 aerial imagery.
1977 (imagery date: 2-Nov-1977)	Historic aerial image supplied by NT Government	Trenches in the south western corner of the site have been reinstated (capped/covered). Gravel extraction/stockpiling in the centre appears to have ceased with the area being reinstated. Debris noted in 1975 aerial have been removed. Surrounding land uses are similar to that noted in the 1974 aerial imagery. Initial earthworks associated with the Minmarama Park commenced on land to the south west of the Site.
August 1979 – August 1987	Historical Special Purposes Lease 00465 Volume 159 Folio 042	Owner is the Gwalwa Daraniki Association.
August 1987 – October 2018	Historical Certificate of Title Crown Lease in Perpetuity 00671 Volume 200 Folio 013 Volume 454 Folio 100 Volume 730 Folio 206 Volume 730 Folio 207 Volume 727 Folio 979 Volume 727 Folio 018 Volume 727 Folio 020 Volume 727 Folio 022 Volume 812 Folio 430 Volume 821 Folio 005 Volume 829 Folio 478 (current)	The site is currently part of a larger allotment referred to as Lot 5182 Town of Darwin from plans Section 77/093B and is leased in perpetuity by the owners: Gwalwa Daraniki Association Inc. Number of dealings have occurred over the larger allotment from 1990 to 2015. <ul style="list-style-type: none"> <li>6-Jul-2016: Lapsing Caveat ECPH Pty Ltd</li> <li>1-Sep-2015: Caveat Citiland Corporation are listed on the lease.</li> <li>9-Mar-2009: Caveat Gwelo Investments Pty Ltd</li> <li>11-Jul-2008: Number of utility easements established for Lot 4940 (McDonalds site).</li> <li>08-Jan-1998: Leased to Rodney Sean Nagas "prawn farm"</li> <li>17-Jan-1996: McDonalds Properties (Australia) Pty Limited listed on the lease.</li> <li>23-Mar-1990: Electricity supply easement leased to Power and Water Authority</li> </ul>

Date	Source of Information	Comment
1990 (imagery date: 13-Jun-1990)	Historic aerial image supplied by NT Government	Unsealed tracks cross the Site in a grid like pattern. The capped/reinstated trenches in the south western corner of the Site are now revegetated. Area where gravel extraction occurred in the past, also appears to be revegetated. Surrounding land uses remain similar to previous aerial imagery except commercial/light industrial development is now evident to the north of the Site across Totem Road. Buildings associated with the Retta Dixon Home are still present. Minmarama Park to the south west of the Site has been established.
2009 (imagery date: 2-Jun-2009)	Historic aerial image supplied by NT Government	Site remains largely undeveloped. Unsealed tracks cross the site in a grid like pattern – similar to that noted in the 1990 aerial imagery. Dickward Drive formalised into a bitumen road following the present day alignment. The old Dickward Drive alignment is still evident within the site; however, this appears to be returning to a natural vegetated state. Formalised drainage from Darwin RAAF Base entering site. Restaurant building (McDonalds) has been built adjacent to the south eastern corner of the Site. Golf course across Bagot Road has been constructed. Retta Dixon Home has been demolished.
2013 (imagery date: 12-Apr-2013)	Historic aerial image supplied by NT Government	Site and surrounding land uses have not fundamentally changed from the 2009 aerial imagery. Only changes noted is the site is more vegetated and unsealed tracks are less defined and the Karu Park has been established to the north east of the site (former Retta Dixon Home property).
2018 (imagery date: 24-Jun-2018)	Historic aerial image supplied by NT Government	Site and surrounding land uses have not changed from 2013 aerial imagery, except a narrow east-west vegetation clearing has occurred in the centre of the site.
2019 (imagery date: 21-Jul-2019)	Historic aerial image supplied by NT Government	Site and surrounding land uses have not changed from 2018 aerial imagery except previously observed unsealed tracks once again cross the site in a grid like pattern. Likely to be associated with vegetation control/maintenance activities.

## 3.2 Previous investigations

A desktop archaeological assessment has been conducted at the site in support of the proposed subdivision development (Everick, March 2015). Areas of the site have been identified as significant to the Larrakia people. Archaeological reports indicate that there is a potential that a burial ground could be present in Lot 4 as indicated by the weight of archival and oral history, identified by archaeologist Karen Martin-Stone of In Depth Archaeology. A ground-penetrating radar (GPR) assessment may or may not identify the presence of individual graves. There is a potential that Aboriginal archaeological material maybe encountered in Lot 4, which would be automatically protected and managed under the Northern Territory's *Heritage Act 2011*. There is also a probability of encountering further in situ archaeological material in the woodland area of the north eastern corner of Lot 5. These areas have been identified in **Figure 3** Error! Reference source not found. and ground disturbance works associated with this assessment shall not occur in these areas. Works, including the intrusive investigation associated with a future DSI, are able to proceed in Lots 1, 2, 3 and the majority of Lot 5, following the delivery of a site specific cultural heritage induction by a suitably qualified archaeologist and Larrakia representatives.

Information provided to SLR at the time of this investigation indicated that no other previous environmental investigations were undertaken on the site.

Publicly available data is provided by the Australian Government's Department of Defence regarding PFAS (per- and poly-fluoroalkyl substances) contamination caused to surface water receiving environments and groundwater, at and surrounding the Darwin RAAF Base. The source of PFAS is typically associated with legacy firefighting foams used during training exercises. Refer to **Appendix H** for a copy of the Department of Defence maps showing the extent of surface water and groundwater impacts identified in 2018 around the Darwin International Airport and Darwin RAAF Base. Drainage lines that traverse along the southern boundary of the site in an east-west direction reported PFAS concentrations between Drinking Water and Recreational guidelines values (Department of Defence, 2018). Groundwater conditions beneath the site during the 2018 monitoring event indicate that along the eastern boundary, PFAS concentrations could range from non-detect (i.e. below the laboratory's limit of report) up to 1 µg/L.

### 3.3 Site inspection

SLR conducted a site walkover on 30 September 2020 to determine current site conditions and the adjacent site land uses (relevant to land contamination and potentially sensitive receptors). The observations made during the site walkover are presented in the succeeding sections and photographs taken during the site walkover have been included in **Appendix I**. Observations made during the site visit are summarised in **Table 6**.

**Table 6 Summary of site inspection observations**

Aspect	Description
Site Features	The site is largely undeveloped. Five drainage lines transect the site from east to west. During the site inspection, a long-term camp site was observed to be in use on Lot 4. Evidence of fly tipping was observed across the site, including multiple stockpiles containing residential and commercial based demolition waste and asbestos containing material (ACM).
Site Drainage	Five drainage lines transect the site from east to west. The approximate locations of these drainage lines are shown within the subdivision plan drawing, provided in <b>Appendix J</b> .
Fill	Based on visual observations made during the initial site inspection, several areas were identified of being capped with uncontrolled fill material. Confirmatory investigation will be carried out in these areas as part of the DSI.
Underground and Above Ground Storage tanks	No evidence of underground or aboveground storage tanks (fill and dip points, vent pipes, bowsers, etc.) was observed on the site during the site walkover. The neighbouring petrol service stations are expected to have underground storage tanks.
Asbestos Containing Material (ACM)	ACM was identified at multiple locations across the site (further detail in provided in <b>Table 7</b> ).
Chemical and Other Hazardous Material Storage	No purpose built chemical and/or hazardous material storage was observed during the site walkover. A spent bullet casing, date stamped 1942, was found near old rusty 205L drums currently located on the eastern boundary of Lot 4. Infrastructure is apparent at this location in the 1945 aerial image and is suspected to be the existing drums noted during the site inspection. There is no other evidence to suggest if these drums were associated with former RAAF base activities.
Phyto-toxicity	No evidence of phytotoxic impact was observed on site during the site walkover.
Staining and Odours	No odours and/or staining on the ground surface was observed during the site walkover.

Observations related to potential contamination and suspected illegal “fly tipping” were made at various points across the site. Primary type of waste being dumped at the site appears to be a mixture of residential/commercial demolition wastes, including but not limited to bricks, scrap metal, drums, tyres, concrete footings, bathroom/kitchen tiles, glass, asphalt, bitumen, soil containing rubble/ACM, asbestos containing pipes and broken sheeting, abandoned vehicles.

Observation locations have been numbered in **Figure 3 (Appendix A)**, with related observation notes included in **Table 7**. Descriptions of stockpiles identified across the site have been listed to include an estimated volume and major waste inclusions, noting whether visible suspected ACM fragments were identified.

**Table 7 Site walkover observations points**

Location ID (as referenced in Figure 3)	Observations
1	Approximately 400m <sup>2</sup> appears backfilled with fill including construction/demolition waste
2	Suspected ACM fragments identified
3	Suspected ACM fragments identified
4	Area generally appears capped with fill
5	Approximately 100m <sup>2</sup> littered with construction/demolition waste and general rubbish
6	Car bodies
7	Car body
8	Car body
9	Drain in from east
10	Old rusted 44 gallon (205L) drums
11	Large footings concrete and steel
12	Old rusted 44 gallon (205L) drums
13	Old rusted 44 gallon (205L) drum
14	Stockpile estimate 100m <sup>3</sup> containing concrete and suspected ACM (significant amount of ACM)
15	Stockpile estimate 10m <sup>3</sup> containing bitumen and asphalt waste
16	Stockpile estimate 15m <sup>3</sup> containing ACM and large ACM pipe (Sample PSI-1)
17	Stockpile estimate 15m <sup>3</sup> containing suspected ACM (significant amount of ACM, Poor Condition)
18	Stockpile estimate 15m <sup>3</sup> containing suspected ACM (significant amount of ACM, Poor Condition)
19	Stockpile estimate 15m <sup>3</sup> containing suspected ACM (significant amount of ACM, Poor Condition)
20	Stockpile estimate 15m <sup>3</sup> containing rocky material and scrap metal
21	Stockpile estimate 20m <sup>3</sup> containing suspected ACM
22	Stockpile estimate 20m <sup>3</sup> containing suspected ACM, scrap metal and concrete
23	Stockpile estimate 20m <sup>3</sup> containing scrap metal and concrete

Location ID (as referenced in Figure 3)	Observations
24	Stockpile estimate 20m <sup>3</sup> containing suspected ACM, tyres and concrete
25	Stockpile estimate 25m <sup>3</sup> containing concrete and fibre glass
26	Stockpile estimate 30m <sup>3</sup> containing suspected ACM
27	Stockpile estimate 30m <sup>3</sup> containing suspected ACM (significant amount of ACM, Poor Condition)
28	Stockpile estimate 30m <sup>3</sup> containing bricks and suspected ACM (significant amount of ACM, Poor Condition)
29	Stockpile estimate 30m <sup>3</sup> containing construction/demolition waste
30	Stockpile estimate 40m <sup>3</sup> containing concrete
31	Stockpile estimate 40m <sup>3</sup> containing suspected ACM
32	Stockpile estimate 5m <sup>3</sup> containing suspected ACM (poor condition)
33	Stockpile estimate 5m <sup>3</sup> containing suspected ACM (poor condition, significant amount) (Samples PSI-2 and PSI-3)
34	Stockpile estimate 5m <sup>3</sup> containing suspected ACM (poor condition, significant amount)
35	Stockpile estimate 5m <sup>3</sup> containing bitumen/asphalt and scrap metal
36	Stockpile estimate 5m <sup>3</sup> containing concrete, metal and bricks
37	Stockpile estimate 5m <sup>3</sup> containing scrap metal
38	Stockpile estimate 7m <sup>3</sup> containing suspected ACM (poor condition, significant amount)
39	Stockpile estimate 15m <sup>3</sup> containing construction/demolition waste
40	Multiple small stockpiles estimate 100m <sup>3</sup> containing construction/demolition waste
41	Multiple small stockpiles estimate 200m <sup>3</sup> containing suspected ACM (poor condition, significant amount)
42	Stockpile estimate 70m <sup>3</sup> containing C&D waste, HV electrical fittings, suspected ACM
43	Car body
44	Car body
45	ACM Fragments
46	ACM pipe, partially buried, approximately 1m exposed
47	Concrete slab
48	Service marker
49	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
50	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
51	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
52	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
53	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
54	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
55	Stockpile estimate 10m <sup>3</sup> containing suspected ACM, construction/demolition waste, tyres

Location ID (as referenced in Figure 3)	Observations
56	Stockpile estimate 100m <sup>3</sup> containing suspected ACM
57	Stockpile estimate 10m <sup>3</sup> containing suspected ACM
58	Stockpile estimate 15m <sup>3</sup> containing suspected ACM, construction/demolition waste
59	Stockpile estimate 15m <sup>3</sup> containing suspected ACM (poor condition)
60	Stockpile estimate 2m <sup>3</sup> containing suspected ACM
61	Stockpile estimate 2m <sup>3</sup> containing suspected ACM
62	Stockpile estimate 20m <sup>3</sup> containing suspected ACM (poor condition)
63	Stockpile estimate 30m <sup>3</sup>
64	Stockpile estimate 15m <sup>3</sup> containing bricks
65	Stockpile estimate 5m <sup>3</sup> containing suspected ACM (significant amount), construction/demolition waste
66	Stockpile estimate 5m <sup>3</sup> containing suspected ACM, construction/demolition waste
67	Stockpile estimate 60m <sup>3</sup> containing construction/demolition waste, tyres
68	Stockpile estimate 60m <sup>3</sup> containing construction/demolition waste
69	Stockpile estimate 5m <sup>3</sup> containing suspected ACM
70	Stockpile estimate 5m <sup>3</sup> containing bitumen
71	Stockpile estimate 5m <sup>3</sup> containing construction/demolition waste, car
72	Approximate area 50m <sup>2</sup> contains scattered building material and car
73	Stockpile (windrow) estimate 20m <sup>3</sup> contains suspected ACM, construction/demolition waste, car

Three samples were collected and submitted for laboratory analysis to provide confidence in the identification of suspected ACM noted across the site. The results of these samples are summarised in **Table 8**. Certified laboratory reports are included in **Appendix K**.

**Table 8 PSI sample results**

Sample ID	Sample description	Laboratory findings	Location ID (as referenced in Figure 3)
PSI-1	Sample of a large pipe (approximately 500mm diameter) suspected to be ACM.	Contains chrysotile and amosite asbestos	16
PSI-2	Sample of suspected ACM fragments, representative of the fragments identified throughout the fly tipping in this area.	Contains chrysotile asbestos	33
PSI-3	Grab sample of soil material from beneath the weathered ACM fragments collected in sample PSI-2.	Contains chrysotile and amosite asbestos	33

### 3.4 Potential for contamination identified

Contaminants of Potential Concern (CoPC) identified on-site included the following:

- Total recoverable hydrocarbons (TRH)
- Benzene, toluene, ethylbenzene, xylenes and naphthalene (BTEXN)
- Polycyclic Aromatic Hydrocarbons (PAHs) including Benzo(a)pyrene (BaP)
- Asbestos
- Heavy metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, and zinc)
- Per- and polyfluoroalkyl substances (PFAS)
- Organochlorine and organophosphorus pesticides (OCPs/OPPs)
- Polychlorinated Biphenyls (PCBs).

Activities identified with potential to contaminate soil and groundwater have been summarised in **Table 9**.

**Table 9 Potentially contaminating activities**

Location	Potentially Contaminating Infrastructure / Activity	CoPC Identified	Comment
Onsite Sources	Debris from Cyclone Tracy impact (incidental across the site and intentional burial in the south western corner)	Heavy metals, ACM, asbestos fibres, PCBs	<ul style="list-style-type: none"> <li>• Gravel extraction pits evident in historic aerials are likely to have been backfilled, though the quality and origin of such fill is not known.</li> <li>• Stockpiles related to illegal fly tipping have been noted at various locations across the site, containing residential/commercial construction/demolition waste including weathered ACM.</li> </ul>
	Stockpiles of construction/demolition waste	ACM, asbestos fibres, heavy metals, TRH, PAHs, OCPs/OPPs	
	Uncontrolled fill	ACM, asbestos fibres, heavy metals	
Potential Off-site Sources	Service stations up gradient of the site Historical fire fighting training activities Darwin Airport and Darwin RAAF base located upgradient of the site (i.e. via stormwater runoff/ groundwater plume migration)	TRH, BTEXN, PAH, PFAS	<ul style="list-style-type: none"> <li>• Potential hydrocarbon impacted groundwater plume due to spillages / leakage from fuel service station.</li> <li>• Potential PFAS impacted groundwater plume related to historic use of fire fighting foam at Darwin airport and Darwin RAAF base.</li> </ul>

ACM = Suspected Asbestos Containing Material, B(a)P = Benzo(a)pyrene, PAH = Polycyclic Aromatic Hydrocarbons, TPH = Total Petroleum Hydrocarbons, BTEX = Benzene, toluene, ethyl benzene and xylenes, CHC = Chlorinated hydrocarbons

The site has been broken down into smaller areas of environmental concern (AEC) and areas of cultural concern (ACC), based on information identified during the development of the cultural heritage induction and the PSI. Details of these areas are provided in **Table 10** and are shown in **Figure 3 (Appendix A)**.



**Table 10 Investigation areas**

Area	Description	Approximate area (ha)
AEC A	Southern western corner of Site – known Cyclone Tracy waste disposal area. PFAS contaminated surface water flows and groundwater plumes may impact this area (Department of Defence 2018).	3.6
AEC B	Significantly less evidence of waste at surface waste identified within this AEC compared to the other areas. Two surface water drainage lines transect this area from east to west.	11.3
AEC C	Southern eastern portion, adjacent to service station, evidence of fly tipping. Experiences PFAS contaminated surface water flows as per Department of Defence mapping (Department of Defence 2018).	2.7
AEC D	Central portion of the site, proposed Lot 5, excluding the area of cultural concern (ACC – Lot 5).	10.9
ACC Lot 4	Lot 4 has been determined to be an area of cultural significance and could be the site of an historical aboriginal burial ground. As such, no intrusive works or development is proposed for this area.	2.03
ACC Lot 5	The north eastern portion of Lot 5 was identified by the archaeologist consultant as a potential location for historic cultural artefacts. Given the potential to encounter historic cultural artefacts, no intrusive works or development is proposed for this area.	2.07

AEC = Area of Environmental Concern      ACC = Area of Cultural Concern

## 4 Preliminary conceptual site model

A preliminary Conceptual Site Model (CSM) has been prepared taking in to account the guidance provided in with the NEPM and ASTM E1689-95 (2014) Standard Guide for Developing Conceptual Site Models for Contaminated Sites (ASTM, 2014). This CSM was developed to identify Source-Pathway-Receptor (SPR) linkages that may be present noting that further investigations may be necessary to determine whether these SPR linkages are complete. This CSM is preliminary in nature and limited base on the following:

- Intrusive investigations at the site are limited hence there is potential for unidentified soil and/or groundwater contamination to exist on site.
- Other receptors may be present at the site that have lower exposure than the most sensitive environmental receptor potentially exposed and considered here.
- This preliminary CSM should be updated/reviewed where site conditions change or further information pertaining to the contamination status of the site has been identified.

The preliminary CSM prepared for the site and surrounds is presented below in **Table 11** in tabulated form.

**Table 11 Preliminary conceptual site model**

Sources		Exposure	Receptors		
Primary Source(s)	Secondary Source(s)	CoPC Transport Mechanism and Exposure Pathway	Potentially Exposed Person and/or Ecological Receptor	Receptor Present	
				On-site	Off-site
<ul style="list-style-type: none"> <li>• Uncontrolled imported fill</li> <li>• Illegal fly tipping of residential/commercial demolition waste</li> <li>• Burial of Cyclone Tracy debris</li> <li>• Off-site sources: service station, Darwin Airport/ Darwin RAAF Base</li> </ul>	Soil Contamination (asbestos fibres, heavy metals, TRH, PAHs, OCPs/OPPs, PCBs)	Wind Erosion / Dispersion <ul style="list-style-type: none"> <li>• Inhalation of dusts</li> <li>• Dermal contact</li> <li>• Incidental ingestion</li> <li>• Uptake via Plants</li> </ul>	Residents	✗	✓
			Commercial workers	✗	✓
			Intrusive workers	✓	✓
			People in open spaces	✓	✓
			Ecological receptors	✓	✓
		Volatilisation <ul style="list-style-type: none"> <li>• Inhalation</li> </ul>	Residents	✗	✓
			Commercial workers	✗	✓
			Intrusive workers	✓	✓
			People in open spaces	✓	✓
	Groundwater Contamination (TRH, BTEXN, PAHs, PFAS)	Migration of groundwater and its extraction <ul style="list-style-type: none"> <li>• Dermal contact</li> <li>• Incidental ingestion</li> <li>• Inhalation</li> </ul>	Residents	✗	✓
			Commercial workers	✗	✓
			Intrusive workers	✓	✓
			People in open spaces	✗	✗
			Ecological receptors	✗	✓
		Migration of groundwater and volatilisation <ul style="list-style-type: none"> <li>• Inhalation</li> </ul>	Residents	✗	✓
			Commercial workers	✗	✓
			Intrusive workers	✓	✓
			People in open spaces	✗	✓

✓ = Person or Ecological receptor is present, ✗ = Person or Ecological receptor is NOT present, ACM = Suspected Asbestos Containing Material, B(a)P = Benzo(a)pyrene, PAH = Polycyclic Aromatic Hydrocarbons, TPH = Total Petroleum Hydrocarbons, BTEX = Benzene, toluene, ethyl benzene and xylenes, CHC = Chlorinated hydrocarbons

## 5 Conclusions

SLR concludes that ACM is present at the site, and that additional soil and groundwater contamination is also likely to be present. Based on the results of this PSI, SLR recommends the following:

- Development of a Sample Analysis and Quality Plan to assess the contamination status of soil and groundwater at the site with consideration given to proposed uses of the site.
- A Detailed Site Investigation be undertaken.

These conclusions must be read in conjunction with the limitations set out in **Section 7** of this report.

## 6 References

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HEPA 2019, *"PFAS National Environmental Management Plan"*

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## 7 Limitations

The following information will assist in understanding the uncertainties relating to the interpretation of the data obtained during this investigation and the recommendations presented in the report and help with assessment and interpretation of the report.

SLR assumes no responsibility for the quality or accuracy of data obtained from external sources, or for occurrences outside the scope of works defined in this report.

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It is the responsibility of third parties to investigate fully to their satisfaction if any information and/or report(s) prepared by SLR, is suitable for a specific objective.

Services were conducted in a conscientious and professional manner. The nature of the task, however, and the likely disproportion between any damage or loss which might arise from the work and any report prepared as a result and the cost of our services is such that SLR cannot guarantee that all issues of concern/contamination have been identified.

The report(s) and/or information produced by SLR should not be reproduced and/or presented/reviewed except in full.

# Appendix A

## Figures

**Figure 1    Site Locality**

**Figure 2    Proposed Sub-division**

**Figure 3**









5/21 Parap Road  
PARAP 0820  
Darwin, NT  
www.slrconsulting.com

Project Name:  
**213 Dickward Drive, Ludmilla**

SLR Project ID: **680.30031.00000**

Note: Areas of Environmental Concern (AEC)

## Figure 2

Proposed Allotments

Scale 1:3,500

Date 20-Oct-2020





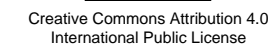


## Appendix B

**Darwin Northern Territory Australia 1:100,000 Geological Series (Extract)**



Geospatial Services Branch



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and Natural Resources  
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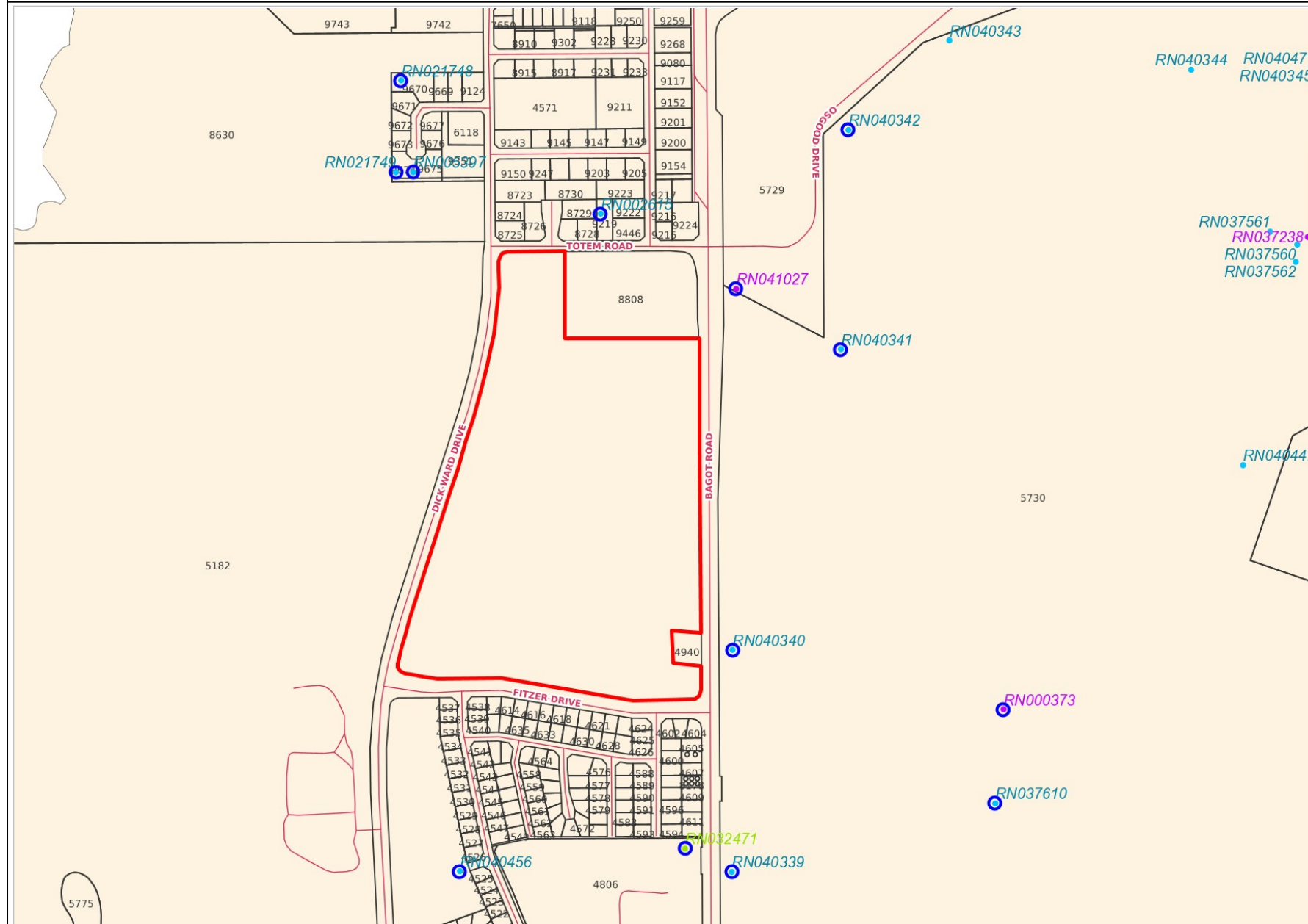
# Appendix C

## Registered Bore Location Map



# NR MAPS

## Existing Groundwater Monitoring Wells



### Legend

Bores Current

- 0 L/s or unknown
- > 0.0 - 1.0 L/s
- > 1.0 - 2.0 L/s
- > 2.0 - 5.0 L/s
- > 5.0 - 10.0 L/s
- > 10 L/s



Metres 100 200 300 400

[nrmaps.nt.gov.au](http://nrmaps.nt.gov.au)

Geospatial Services Branch



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# Appendix D

## Registered Bore Reports





\*RN000373\*

## N.T.A. WATER RESOURCES BRANCH

## BORE DATA SHEET

NAME		R.A.A.F. No. 223		INDEX No.		80/116	
LOCALITY		Bagot Road, LM?		REG. No.		373	
DEPTH		360' 109.7		FILE No.			
CASINGS		150' of 6-inch 45-8		PERFORATIONS SCREENS		150' (?)	
LOCATION		80 / 07 / 24.20 E4.80 N		SURFACE LEVEL R.L.		B M LEVEL R.L.	
CONTRACTOR.		DRILLER.		DATE STARTED		DATE FINISHED	
23.7.43							
WATER				STRATA SECTION			
AQUIFERS				DEPTH FEET	CASING	AQU.	SEC.
DEPTH STRUCK							
AQUIFER THICKNESS				20			
STANDING WATER LEVEL				35	10.6		
PUMP TEST G.P.H.				500	0.62		
DRAWDOWN LEVEL				100			
PUMP LEVEL				60			
DURATION OF TEST HOURS				7			
R.L. S.W.L.				30			
WATER TEMPERATURE °C							
TRANSMISSIBILITY				100			
STORAGE COEFF.							
ANALYSES				120			
BINOMIAL CLASSIFICATION				140			
T. D. S.							
CONDUCTIVITY				160			
TOTAL HARDNESS							
CHLORIDE				180			
BICARBONATE							
CARBONATE				200			
SULPHATE							
NITRATE				220			
FLUORIDE							
SODIUM				240			
POTASSIUM							
CALCIUM				260			
MAGNESIUM				280			
				300			
REG. ANAL. No.							
EQUIPMENT.				320			
				340			
				360			
REMARKS.				380			
Drop in level 65' constant at 100'. Pencil note 2/1/45 This bore has not been in use for a long time.				400			

-81  
126

44 misc

ST. 376/52  
4 mile R/N 373

DEPARTMENT OF WORKS  
WATER ANALYSIS REPORT

SOURCE: H.A.A.P. Darwin. Bore No. 223  
Sub. Building Area

SAMPLE No. \_\_\_\_\_  
CLIENT \_\_\_\_\_  
RECEIVED \_\_\_\_\_  
ANALYSED \_\_\_\_\_  
REGISTERED 18/4/62.  
INDEXED \_\_\_\_\_  
REGISTERED ANALYSIS  
NUMBER Office Ref:- 11134

Sample No (a) Local \_\_\_\_\_ (b) Head Office 5-J-32

Taken By \_\_\_\_\_ Date Taken 25/7/55 Head Office Ref:- 96/547

Tested By \_\_\_\_\_ Checked by \_\_\_\_\_ Date Tested 26/12/55.

Details of Conditions at Time of Sampling:-

TEST RESULTS

Description of Sample:-

Total Solids 101 ppm Colour (filtered) Colourless  
(Plat. Cobalt Scale)

Fixed Total Solids 5 ppm Odour (a) Cold Earthy  
(after ignition)

Suspended Solids Nil ppm (b) Hot Earthy

Turbidity (on Fullers Earth Scale) Filtered - Nil ppm pH Value 6.93

Mineral Analysis on filtered Sample

Positive Ions	Equivalent Weight	ppm	epm	Negative Ions	Equivalent Weight	ppm	epm
Calcium Ca	20.0	17	0.9	Carbonate CO <sub>3</sub>	30.0		
Magnesium Mg	12.2			Bicarbonate HCO <sub>3</sub>	61.0	100	1.7
Sodium Na (calculated)	23.0	25	1.1	Hydroxide	17.0	Nil	
Potassium K	39.1			Sulphate	48.0	Nil	
				Chloride	35.5	11.4	0.5
				Nitrate	62.0	Nil	
Total Positive Ions			2.0	Total Negative Ions			2.0

Hardness (Versene)	ppm	Other Constituents	ppm
Calcium as CaCO <sub>3</sub>		Silica SiO <sub>2</sub>	19
Magnesium as CaCO <sub>3</sub>		Aluminium Al	Nil
Total as CaCO <sub>3</sub>	45.5	Iron Fe	
Total FPM Determined			

Remarks:

Distribution: ☒ Laboratory ☒ Head Office ☒ Director of Works, Darwin, E.

Officer-in-Charge,  
Central Testing Laboratory.

*[Signature]*

*Cashed*

NAME		INDEX No.		80/192									
LOCALITY		Bagot N/S		REG. No.		1780							
DEPTH		152' = 46.32 M.		FILE No.									
CASINGS				PERFORATIONS SCREENS									
LOCATION		80 / 07 /		E N		SURFACE R.L.		B M R.L.		DATUM			
CONTRACTOR		W R B		DRILLER		T. Cheyney		DATE STARTED.		DATE FINISHED.			
WATER				STRATA SECTION									
AQUIFERS				DEPTH FEET		CASING		AQU		SEC.		STRATA	
DEPTH STRUCK													
AQUIFER THICKNESS													
STANDING WATER LEVEL				8 : 2.4 m									
PUMP TEST G.P.H.				500		D-6							
DRAWDOWN LEVEL													
PUMP LEVEL													
DURATION OF TEST HOURS													
R.L. S.W.L.													
WATER TEMPERATURE °C													
TRANSMISSIBILITY													
STORAGE, COEFF.													
ANALYSES													
BINOMIAL CLASSIFICATION													
T. D'S.													
CONDUCTIVITY													
TOTAL HARDNESS													
CHLORIDE													
BICARBONATE													
CARBONATE													
SULPHATE													
NITRATE													
FLUORIDE													
SODIUM													
POTASSIUM													
CALCIUM													
MAGNESIUM													
REG. ANAL. No.													
EQUIPMENT.													
REMARKS.													
Unsatisfactory only 250 gph. Now blocked with rubbish.													

## COMMONWEALTH OF AUSTRALIA

## MINUTE PAPER

RN-1780

Deepened (Drilled) 11.1.1959 by N.A.B.  
 Driller Cheyney

Driller Log

24.4 - 25.9m 80 - 85' laterite slate  
 88 - 97.25m sandstone pre-cambrian  
 97 - 98.297 Quartz stringers  
 98 - 104.51.7 Kalbar slate  
 104 - 115 55.1 Kaituma decomposed rock  
 115 - 116 5.4 Micaceous  
 117 - 118 36 Siltstone  
 118 - 128 69 Congl - some bands of quartz  
 126 - 128 Quartz  
 128 - 134 40.8 Micaceous siltstone  
 134 - 147 44.8 d.t.h. - gravelly

S.W.L. - 8-feet  
 Pumped at 500 gph for 2 hours

Water tank near front fence of Reserve.

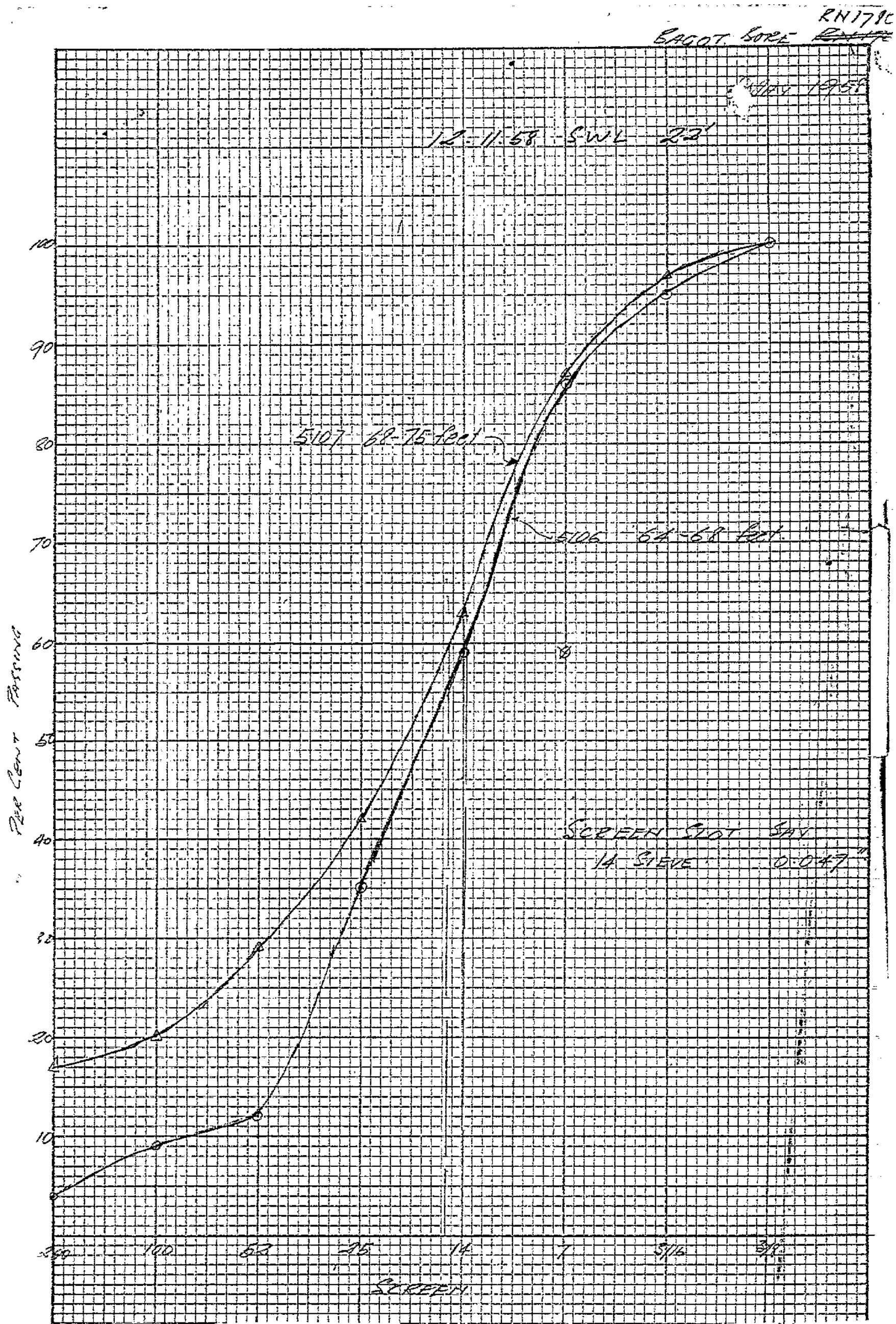
7.39

Notes from file W. 116

DEPARTMENT OF WORKS		LABORATORY	
GENERAL TEST REPORT SHEETS - SOILS & GRAVELS			
STATE <u>Water Res Brand</u>	PROJECT <u>Bagot bore</u>	Sheet No. <u>5107</u>	
NTA		8/19Y	
SAMPLE NO.	5106	5107	
LOCATION			
DEPTH			
CLASSIFICATION TEXTURAL			
Colour			
U.S.P.R.A.			
U.S.ENG.			
DESCRIPTION OF COARSE AGGREGATE HARDNESS	<u>quartz, angular</u> <u>ironstone, rounded</u>		
PASSING 3" Inch %			
1 1/2 " %			
1 " %			
3/4 " %			
1/2 " %			
3/8 " %	100	100	
1/4 " %			
3/16 " %	95	87	
BSS.No.7(2.41MM)%	86	87	
14(1.20MM)%	59	63	
25(.60MM) %	35	42	
36(.42MM) %	24	34	
52(.29MM)%	12	29	
100(.15MM)%	9	20	
200(.076MM)%	4	17	
0.05M.M. %			
0.02M.M. %			
0.005M.M. %			
0.002M.M. %			
PASSING NO.36 B.S.S.MATERIAL			
LIQUID LIMIT %			
PLASTIC LIMIT %			
PLASTICITY INDEX %			
SHRINKAGE LIMIT %			
LINEAR SHRINKAGE %			
PASSING 3/4" MATERIAL			
SOLID DENSITY LB/CU.FT.			
MODIFIED O.D.D.LB/CU.FT.			
" O.H.C. %			

FORM LAB. 20

C.D.O.-270



7/1/58

Log of Bore RN 1780

Screening was not done.  
On 2 Jan. the casing was  
with drawn c. 6 feet - hole  
battered out <sup>(dry)</sup> quickly. Further  
18 foot length removed, same  
result. There was a little casing  
of a gravel (fine) with a  
lot of clay.

It may be assumed that  
this gravel is in a clay  
matrix and permeability is  
very low - will not yield useful  
supplies.

The samples supplied by  
Griller & Henry ~~at~~ from their and  
Ford's bore (RN 1754) were similar  
and obviously had lost the  
clay by washing.

Bore to be deepened.

RN1780  
84607NORTHERN TERRITORY ADMINISTRATION.WATER USE BRANCH.Water Analysis.Water Sample No. 3103..... Date of Sampling. 22.12.58

Description.....

Tap water

.....

Submitted by.....

P. Cheyney

PH.....

Conductivity at 25°C  
Ec x 10<sup>6</sup>.....

Chloride as Sod. Chlor.

.....50.....Hardness of  
Calc. Carb......4.....Alkalinity as  
Calc. Carb......20.....

Remarks:

Analysed by.....AngusDate.....22.12.58

3103 - 6 were taken when  
drilling was to commence on  
December 58.



RN1780  
8/10/01

NORTHERN TERRITORY ADMINISTRATION.

WATER USE BRANCH.

Water Analysis.

Water Sample No. 8104..... Date of Sampling. 22. 12. 98.

Description.....  
Tap water

Submitted by.....  
Blusney

PH..... Conductivity at 25°C  
Ec x 10<sup>6</sup>.....

Chloride as Sod.Chlor.	Hardness of	Alkalinity as
..... <u>50</u> .....	Calc. Carb.	Calc. Carb.
	..... <u>4</u> .....	..... <u>20</u> .....

Remarks:

Analysed by.....  
Augustine  
Date.....22. 12. 98.

RN1780

BAGOT

NORTHERN TERRITORY ADMINISTRATION.

WATER USE BRANCH.

Water Analysis.

Water Sample No. 365..... Date of Sampling. 22. 12. 24

Description..... Sample from Baggot Dam.

Submitted by..... L. Cheyney

PH..... Conductivity at 25°C  
Ec x 10<sup>6</sup>.....

Chloride as Sod. Chlor.	Hardness of	Alkalinity as
..... <u>40</u> .....	Calc. Carb.	Calc. Carb.
	..... <u>14</u> .....	..... <u>20</u> .....

Remarks:

Analysed by..... J. Augustine  
Date..... 22. 12. 58 .....

RN1780  
27407

NORTHERN TERRITORY ADMINISTRATION.

WATER USE BRANCH.

Water Analysis.

Water Sample No. 2106..... Date of Sampling. 22 12 58  
Description..... Gagger Lake  
.....  
Submitted by..... P. Chayney

PH..... Conductivity at 25°C  
Ec x 10<sup>6</sup>.....  
Chloride as Sod. Chlor. Hardness of Alkalinity as  
Calc. Carb. Calc. Carb.  
..... 50..... 14..... 20.....

Remarks:

Analysed by..... P. Chayney  
Date..... 22 12 58

RN 1780

BAGT

NORTHERN TERRITORY ADMINISTRATION.WATER USE BRANCH.Water Analysis.

Water Sample No. *3108*..... Date of Sampling... *27. 1. 59*  
 Description.....  
*Three samples taken (69, 109, 110)*  
*at half hourly intervals*  
 Submitted by..... *J. Cheyney*

PH.....	Conductivity at 25°C Ec x 10 <sup>6</sup> .....	
Chloride as Sod. Chlor.	Hardness of Calc. Carb.	Alkalinity as Calc. Carb.
..... <i>220</i> .....	..... <i>50</i> .....	..... <i>100</i> .....

Remarks:

*Taggs La Desc.*

Analysed by..... *E. J. J. J.*  
 Date..... *27. 1. 59* .....

*cf. 3111, 3112 taken at the same time  
 from outside the casing.  
 The casing must be partly cutting  
 off the upper water.*

RN 1780

BAGOT

NORTHERN TERRITORY ADMINISTRATION.

WATER USE BRANCH.

Water Analysis.

Water Sample No. 3109..... Date of Sampling 27.1.59

Description.....  
Lagoon La Perle

Submitted by.....  
P. Blum

PH..... Conductivity at 25°C  
Ec x 10<sup>6</sup>.....

Chloride as Sod. Chlor.	Hardness of Calc. Carb.	Alkalinity as Calc. Carb.
..... <u>80</u> .....	..... <u>20</u> .....	..... <u>100</u> .....

Remarks:

Analysed by.....  
P. Blum  
Date.....  
27.1.59

As for 2108

RN1780  
BAGOT

NORTHERN TERRITORY ADMINISTRATION.

WATER USE BRANCH.

Water Analysis.

Water Sample No. 310 Date of Sampling 27.1.59  
Description.....Lagget Ca. Bore.  
.....  
.....  
Submitted by.....

PH.....	Conductivity at 25°C Ec x 10 <sup>6</sup> .....	
Chloride as Sod.Chlor. ..... <u>90</u> .....	Hardness of Calc. Carb. ..... <u>35</u> .....	Alkalinity as Calc. Carb. ..... <u>35</u> .....

Remarks:

Analysed by B. Jannet  
Date.....27.1.59.....

As for 2108

RN 1780

RAGOT

NORTHERN TERRITORY ADMINISTRATION.WATER USE BRANCH.Water Analysis.

Water Sample No. *3111*..... Date of Sampling..... *27.1.59*  
Description.....  
..... *Sample taken outside bore casing.* .....  
.....  
Submitted by..... *L. Ouyang*.....

PH..... Conductivity at 25°C  
Ec x 10<sup>3</sup>.....  
Chloride as Sod. Chlor. Hardness of Alkalinity as  
Calc. Carb. Calc. Carb.  
..... *30* ..... *40* ..... *10* .....

Remarks:

Analysed by..... *L. Ouyang*.....  
Date..... *27.1.59*.....

*cf. 3108, 3109, 3110 taken at  
the same time from bottom of  
bore*

RN.1780  
SAND

NORTHERN TERRITORY ADMINISTRATION.

WATER USE BRANCH.

Water Analysis.

Water Sample No. 312..... Date of Sampling. 27.1.59  
Description.....  
Sample taken outside house, Cairns  
.....  
Submitted by..... C. Cheyney.....

PH.....	Conductivity at 25°C Ec x 10 <sup>6</sup> .....	
Chloride as Sod.Chlor. ..... <u>30</u> .....	Hardness of Calc. Carb. ..... <u>40</u> .....	Alkalinity as Calc. Carb. ..... <u>5</u> .....

Remarks:

Analysed by..... C. Cheyney.....  
Date..... 27.1.59.....

As for 311



Budget Bore RN 1780

Final depth 152 feet.

Test by trailer for 2 hrs @ 500 gph.

Water analyses indicate that  
a minimum of 90% of the water  
was coming from the Darwin  
Series.

The bore may be tested  
again during the dry season.

W.H.B.  
20/1/80



N.T.A. WATER RESOURCES BRANCH									
BORE DATA SHEET									
D. 08.07									
NAME Well near Totem Road					INDEX No. 80/232				
LOCALITY Nightcliff Sec 4574.					REG. No. 2615				
DEPTH					FILE No.				
CASINGS					PERFORATIONS SCREENS				
LOCATION / / E N					SURFACE LEVEL R.L.		B M LEVEL R.L.		DATUM
CONTRACTOR.			DRILLER.			DATE STARTED.		DATE FINISHED.	
WATER					STRATA SECTION				
AQUIFERS					DEPTH FEET	CASING	AQU	SEC.	STRATA
DEPTH STRUCK									
AQUIFER THICKNESS									
STANDING WATER LEVEL									
PUMP TEST G.P.H.									
DRAWDOWN LEVEL									
PUMP LEVEL									
DURATION OF TEST HOURS									
R.L. S.W.L.									
WATER TEMPERATURE °C									
TRANSMISSIBILITY									
STORAGE COEFF.									
ANALYSES									
BINOMIAL CLASSIFICATION									
T. D. S.									
CONDUCTIVITY									
TOTAL HARDNESS									
CHLORIDE NaCl									
BICARBONATE									
CARBONATE									
SULPHATE									
NITRATE									
FLUORIDE									
SODIUM									
POTASSIUM									
CALCIUM									
MAGNESIUM									
REG. ANAL. No. 833									
EQUIPMENT. <i>Plotted 25-7-85 lhr</i>									

N.T.A. WATER RESOURCES BRANCH



\*RN005397\*

## BORE DATA SHEET

at rear fence in R.H. corner

NAME TROPICUS NURSERY WELL No. 1.

INDEX No.

80/401

LOCALITY

REG. No.

5397

DEPTH

21 ft 6.4m

FILE No.

CASINGS 8 &amp; 6' galvanised tanks

PERFORATIONS  
SCREENS

LOCATION

E N

SURFACE  
LEVEL R.L.B M  
LEVEL R.L.

DATUM

CONTRACTOR MRS. J. HOCKLEY

DRILLER HOCKLEY

DATE  
STARTED

DATE FINISHED approx. 1962

## WATER

## STRATA SECTION

AQUIFERS				DEPTH FEET	CASING	AQU.	SEC.	STRATA
DEPTH STRUCK .....								Clays
AQUIFER THICKNESS..	1.5m							12 3.7m
STANDING WATER LEVEL .....	5 ft. March.							Porcellanite
PUMP TEST G.P.H. ....				20				10 6.1m
DRAWDOWN LEVEL..								
PUMP LEVEL .....								
DURATION OF TEST HOURS ...								
R.L. S.W.L. ....								
WATER TEMPERATURE °C								
TRANSMISSIBILITY .....								
STORAGE COEFF. ....								
ANALYSES	4.4.66							
BINOMIAL CLASSIFICATION .....								
T.D.S. ....	280							
CONDUCTIVITY .....	438							
TOTAL HARDNESS .....	TEMP 4 66							
CHLORIDE .....	110							
BICARBONATE .....	2							
CARBONATE .....	0							
SULPHATE .....	30							
NITRATE .....	NIL							
FLUORIDE .....	NIL							
SODIUM .....	70							
POTASSIUM .....	1.6							
CALCIUM .....	4							
MAGNESIUM .....	13							
ALKALINITY	4							
pH	5.70							
IRON	0.1							
REG. ANAL. No. ....	17470							
EQUIPMENT								

Regulation 8

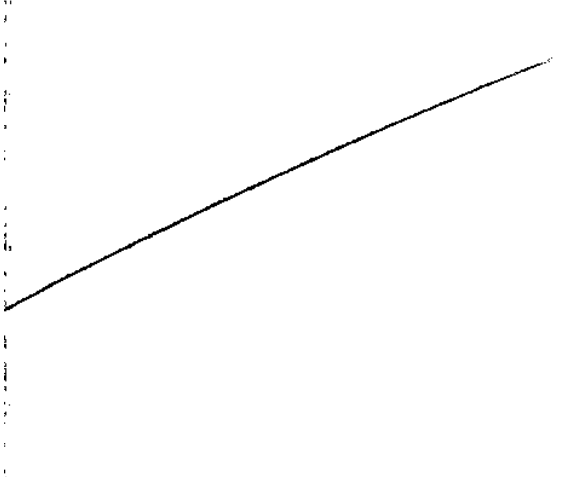
THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Ordinance

WR4/3

## FINAL STATEMENT OF BORE

I.N. 80/2034  
R.N. 21,748

From	To	Description of Strata	Name of Bore — <i>HEARNE No. 1. WELL</i>																												
			Name of Property — <i>LOT 4623 NIGHTCLIFF</i>																												
			Description of Property — <i>10 ACRE NURSERY</i>																												
			Name of Owner — <i>D.A. HEARNE</i>																												
			Name of Contractor — —																												
			Name of Driller — —																												
Location of Bore (or supply sketch on the back hereof) — .....Miles (a) S SE of (b) <i>NTH - WEST CORNER</i> E NW W SW <i>OF Bore</i> (a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, outstation, etc.			Date of Commencement — —																												
Date of Completion — —			Total Depth — <i>7m</i>																												
Additional information of interest about bore. Grid Reference Map Number Samples of Strata and Water Supplies have been* will be* left at the following place — ..... ..... Signature			Particulars of Casing — <i>7m x 1.5m CONCRETE</i>																												
*Delete non applicable			Particulars of Perforations or Screens — —																												
For Office use only —			<table border="1"> <tr> <th>Water</th> <th>1st Supply</th> <th>2nd Supply</th> <th>3rd Supply</th> </tr> <tr> <td colspan="4">Struck at —</td> </tr> <tr> <td colspan="4">Standing Water Level <i>3m</i></td> </tr> <tr> <td colspan="4">Pumping Supply Litres/sec <i>1.0 l.p.</i></td> </tr> <tr> <td colspan="4">Duration of Pump Test —</td> </tr> <tr> <td colspan="4">Water Level During Test —</td> </tr> <tr> <td colspan="4">         Quality:          Good, Fair or Bad <i>GOOD</i> </td> </tr> </table>	Water	1st Supply	2nd Supply	3rd Supply	Struck at —				Standing Water Level <i>3m</i>				Pumping Supply Litres/sec <i>1.0 l.p.</i>				Duration of Pump Test —				Water Level During Test —				Quality: Good, Fair or Bad <i>GOOD</i>			
			Water	1st Supply	2nd Supply	3rd Supply																									
			Struck at —																												
			Standing Water Level <i>3m</i>																												
			Pumping Supply Litres/sec <i>1.0 l.p.</i>																												
Duration of Pump Test —																															
Water Level During Test —																															
Quality: Good, Fair or Bad <i>GOOD</i>																															



23-10-85  
pH 4.75 Cond 2840

17-9-86  
pH 4.92 Cond 4740

## WATER ANALYSIS

Department of Transport & Works  
Water Division, Darwin N.T.



Laboratory Register No.

82/1740

Date received in Laboratory

27/9/82

Bottle No.  
DM1

Time of sampling  
1200

Date of sampling  
23/9/82

WR 4/1A

## LOCATION AND DETAILS

LOT 4623 NIGHTCLIFF HEARNE No. 1 WELL RN21748 DEPTH 7m DISCH 1.0 LPS

WRD 6002

80/2034

RSP1626

Proposed water use:- Domestic, Stock, Irrigation, other (specify)

## ANALYSIS — PHYSICAL

☒ pH 5.3 4.75 ☐ Colour (Hazen units)  
☐ Specific conductance (microsiemens/cm at 25° C) 280 2840 ☐ Turbidity (NTU's)  
☐ Total dissolved solids (mg/l - by evaporation at 180° C) 140 ☐ Suspended solids (mg/l)

## ANALYSIS — CHEMICAL (mg/l)

☐ Sodium, Na 35 ☐ Chloride, Cl 50  
☒ Potassium, K 2 ☐ Sulphate, SO<sup>4</sup> 39  
☐ Calcium, Ca 4 ☐ Nitrate, NO<sup>3</sup> < 1  
☐ Magnesium, Mg 5 ☐ Bicarbonate, HCO<sup>3</sup> 6  
☐ Total Hardness (as CaCO<sup>3</sup>) 31 ☐ Carbonate, CO<sup>3</sup>  
☐ Total Alkalinity (as CaCO<sup>3</sup>) 5 ☐ Fluoride, F < 0.1  
☐ Iron, (total) Fe < 0.1 ☐ Orthophosphate, PO<sup>4</sup>  
☐ Silica, SiO<sub>2</sub> 9 ☐ NaCl (calc. from chloride) 82

## ANALYSIS — ADDITIONAL (mg/l)

☐ Copper, Cu ☐ Lead, Pb ☐ Arsenic, As  
☐ Manganese, Mn ☐ Zinc, Zn ☐ Cadmium, Cd  
☐ ☐ ☐

The sample as analysed is considered suitable for:-

Drinking water —

Yes/~~No~~

Stock watering —

Yes/No

Irrigation —

Yes/No

Others (specify)

Yes/No



This Laboratory is registered by the National  
Association of Testing Authorities, Australia. The test(s)  
reported herein have been performed in accordance with  
its terms of registration. This document shall not be  
reproduced except in full.

With suitable treatment the  
pH may be adjusted to an  
acceptable level.

Analysed By: G. JOHNSTON

Date 12/ 10 82

Boxes marked thus ☒ indicate levels considered undesirable for drinking water by the  
Northern Territory Department of Health.

Regulation 8

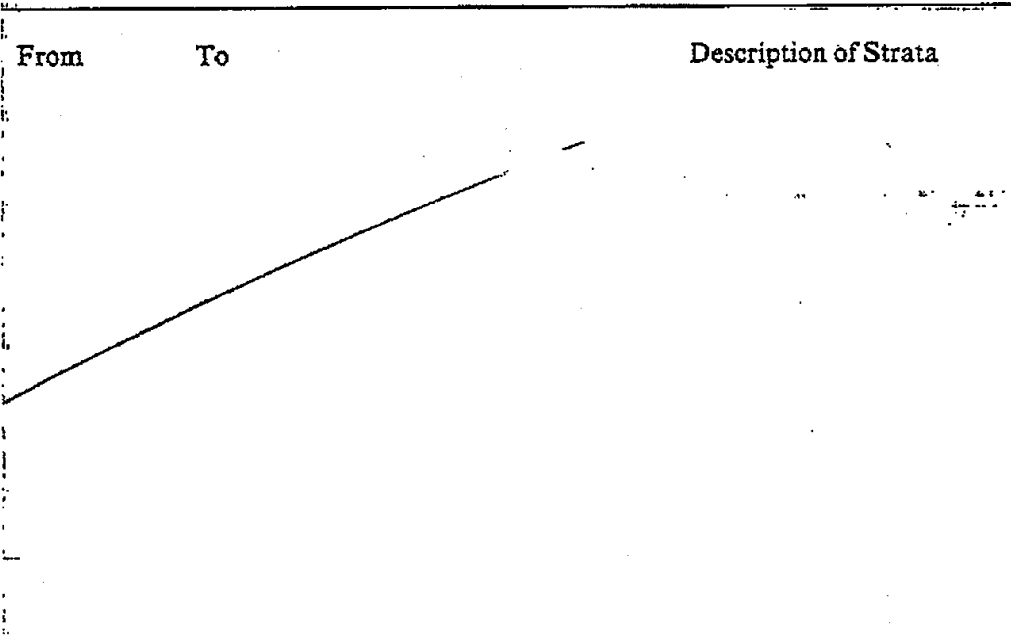
THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Ordinance

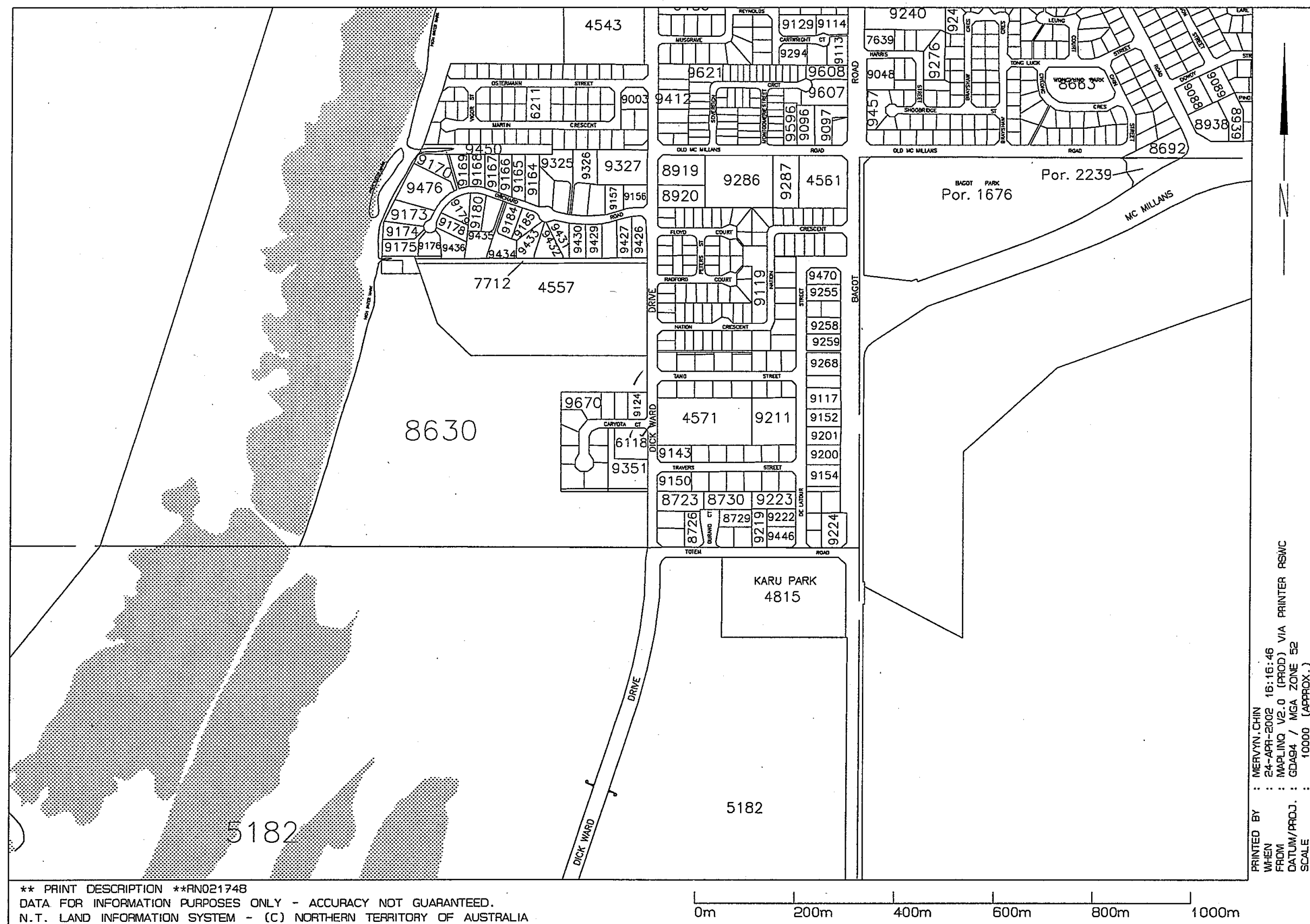
WR4/3

## FINAL STATEMENT OF BORE

I.N. 80/2034  
R.N. 21,748

From	To	Description of Strata	Name of Bore —
			HEARNE No. 1. WELL
			Name of Property — 9122 LOT 4623 NIGHTCLIFF 6119
			Description of Property — 10 ACRE NURSERY
			Name of Owner — TROPICUS HOLDINGS PROPRIETARY D.A. HEARNE LIMITED
Name of Contractor — —			Name of Driller — —
Location of Bore (or supply sketch on the back hereof) — .....Miles			Date of Commencement — —
(a) S SE of (b) NTH - WEST CORNER E NW OF B.L. W SW			Date of Completion — —
(a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, outstation, etc.			Total Depth — 7m
Additional information of interest about bore. 701208 8628530 MGA94 Entry 30/4/02 Grid Reference E=701080 N=8628370 Map Number DARWIN SHEET 0807 SCALE 1:10000 Samples of Strata and Water Supplies ZONE 52 have been* will be* S/B 0815			Particulars of Casing — 7m x 1.5m CONCRETE
left at the following place — ..... Signature			Particulars of Perforations or Screens — —
*Delete non applicable			Water 1st Supply 2nd Supply 3rd Supply
For Office use only —			Struck at —
			Standing Water Level 3m
			Pumping Supply Litres/sec 1.0 lps.
			Duration of Pump Test —
			Water Level During Test —
			Quality: Good, Fair or Bad GOOD







Regulation 8

THE NORTHERN TERRITORY OF AUSTRALIA

Control of Waters Ordinance

WR4/3

## FINAL STATEMENT OF BORE

I.N. 80/2035  
R.N. 21,749

From	To	Description of Strata	Name of Bore —
<p><i>DIMENSIONS OF WELL.</i></p> <p><i>14m x 7m - 7.1m Deep.</i></p>			<i>HEARNE No. 2 WELL</i>
			Name of Property —
			<i>LOT 4623 NIGATCLIFF</i>
			Description of Property —
			<i>10 ACRE NURSERY</i>
			Name of Owner —
			<i>D.A. HEARNE</i>
			Name of Contractor —
			—
			Name of Driller —
			—
Location of Bore (or supply sketch on the back hereof) —			Date of Commencement —
.....Miles			—
<p>(a) S SE of (b) <i>SOUTH-WESTERN CORNER</i></p> <p>E NW</p> <p>W SW <i>BLK.</i></p> <p>(a) Circle appropriate direction.</p> <p>(b) Use known point such as existing bore, homestead, outstation, etc.</p>			Date of Completion —
			—
			Total Depth —
			<i>7.1m</i>
Additional information of interest about bore.			Particulars of Casing —
Grid Reference			<i>UNCASED</i>
Map Number			Particulars of Perforations or Screens —
Samples of Strata and Water Supplies			
have been* will be*			Water 1st Supply 2nd Supply 3rd Supply
left at the following place —			Struck at
.....			—
Signature			Standing Water Level
*Delete non applicable			<i>3m</i>
For Office use only —			Pumping Supply Litres/sec
			<i>0.465</i>
			Duration of Pump Test
			—
			Water Level During Test
			—
			Quality: Good, Fair or Bad
			<i>Good</i>



\*RN021749\*

bory

23-10-85  
pH 4.87 Cond 710

17-9-86  
pH 4.86 Cond 2210

## WATER ANALYSIS

Department of Transport & Works  
Water Division, Darwin N.T.

Laboratory Register No. 82/1738

Date received in Laboratory 27/9/82

WR 4/1A

Bottle No. EA20

Time of sampling 1200

Date of sampling 23/9/82

## LOCATION AND DETAILS

LOT 4623 NIGHTCLIFF HEARNE No. 2 WELL RN21749 DEPTH 7.1m DISCH 0.4LPS

WRD 6002

80/2035

RSP1626

Proposed water use:- Domestic, Stock, Irrigation, other (specify)

## ANALYSIS — PHYSICAL

<input checked="" type="checkbox"/> pH	4.6	4.87	<input type="checkbox"/> Colour (Hazen units)
<input type="checkbox"/> Specific conductance (microsiemens/cm at 25° C)	810	710	<input type="checkbox"/> Turbidity (NTU's)
<input type="checkbox"/> Total dissolved solids (mg/l - by evaporation at 180° C)	400		<input type="checkbox"/> Suspended solids (mg/l)

## ANALYSIS — CHEMICAL (mg/l)

<input type="checkbox"/> Sodium, Na	116	<input type="checkbox"/> Chloride, Cl	210
<input type="checkbox"/> Potassium, K	4	<input type="checkbox"/> Sulphate, SO <sup>4</sup>	58
<input type="checkbox"/> Calcium, Ca	7	<input type="checkbox"/> Nitrate, NO <sup>3</sup>	1
<input type="checkbox"/> Magnesium, Mg	16	<input type="checkbox"/> Bicarbonate, HCO <sup>3</sup>	3
<input type="checkbox"/> Total Hardness (as CaCO <sup>3</sup> )	84	<input type="checkbox"/> Carbonate, CO <sup>3</sup>	
<input type="checkbox"/> Total Alkalinity (as CaCO <sup>3</sup> )	2	<input type="checkbox"/> Fluoride, F	0.1
<input checked="" type="checkbox"/> Iron, (total) Fe	1.2	<input type="checkbox"/> Orthophosphate, PO <sup>4</sup>	
<input type="checkbox"/> Silica, SiO <sup>2</sup>	8	<input type="checkbox"/> NaCl (calc. from chloride)	340

## ANALYSIS — ADDITIONAL (mg/l)

<input type="checkbox"/> Copper, Cu	<input type="checkbox"/> Lead, Pb	<input type="checkbox"/> Arsenic, As
<input type="checkbox"/> Manganese, Mn	<input type="checkbox"/> Zinc, Zn	<input type="checkbox"/> Cadmium, Cd
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The sample as analysed is considered suitable for:-

Drinking water —

Yes/No

Stock watering —

Yes/No

Irrigation —

Yes/No

Others (specify)

Yes/No



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.

With suitable treatment the pH may be adjusted to an acceptable level.

With suitable treatment the Iron concentration may be lowered to an acceptable level.

Analysed By: G. JOHNSTON

Date 12 / 10 82

Boxes marked thus ☒ indicate levels considered undesirable for drinking water by the Northern Territory Department of Health.

Regulation 8		THE NORTHERN TERRITORY OF AUSTRALIA		WR4/3	
		Control of Waters Ordinance			
		FINAL STATEMENT OF BORE		I.N. 80/2035 R.N. 21,749	
From	To	Description of Strata	Name of Bore — HEARNE No. 2 WELL		
DIMENSIONS OF WELL. 14m x 7m — 7.1m Deep.			Name of Property — LOT 4623 NIGHTCLIFF		
			Description of Property — 10 ACRE NURSERY		
			Name of Owner — TROPICUS HOLDING PROPRIETARY LIMITED D.A. HEARNE		
			Name of Contractor — —		
Location of Bore (or supply sketch on the back hereof) — .....Miles			Name of Driller — —		
			Date of Commencement — —		
(a) S SE of (b) SOUTH-WESTERN CORNER E NW W SW (a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, outstation, etc.			Date of Completion — —		
			Total Depth — 7.1m		
Additional information of interest about bore. Grid Reference E: 701070 N: 8628200 MGA 94 701198 8628360 Map Number DARWIN SHEET 0807 SCALE 1:10000 Samples of Strata and Water Supplies ZONE S2 S/B 0815 have been* will be* left at the following place — ..... Signature *Delete non applicable			Particulars of Casing — UNCASED		
			Particulars of Perforations or Screens — —		
			Water 1st Supply 2nd Supply 3rd Supply		
			Struck at —		
			Standing Water Level 3m		
			Pumping Supply Litres/sec 0.465		
			Duration of Pump Test —		
			Water Level During Test —		
For Office use only —			Quality: Good, Fair or Bad Good		

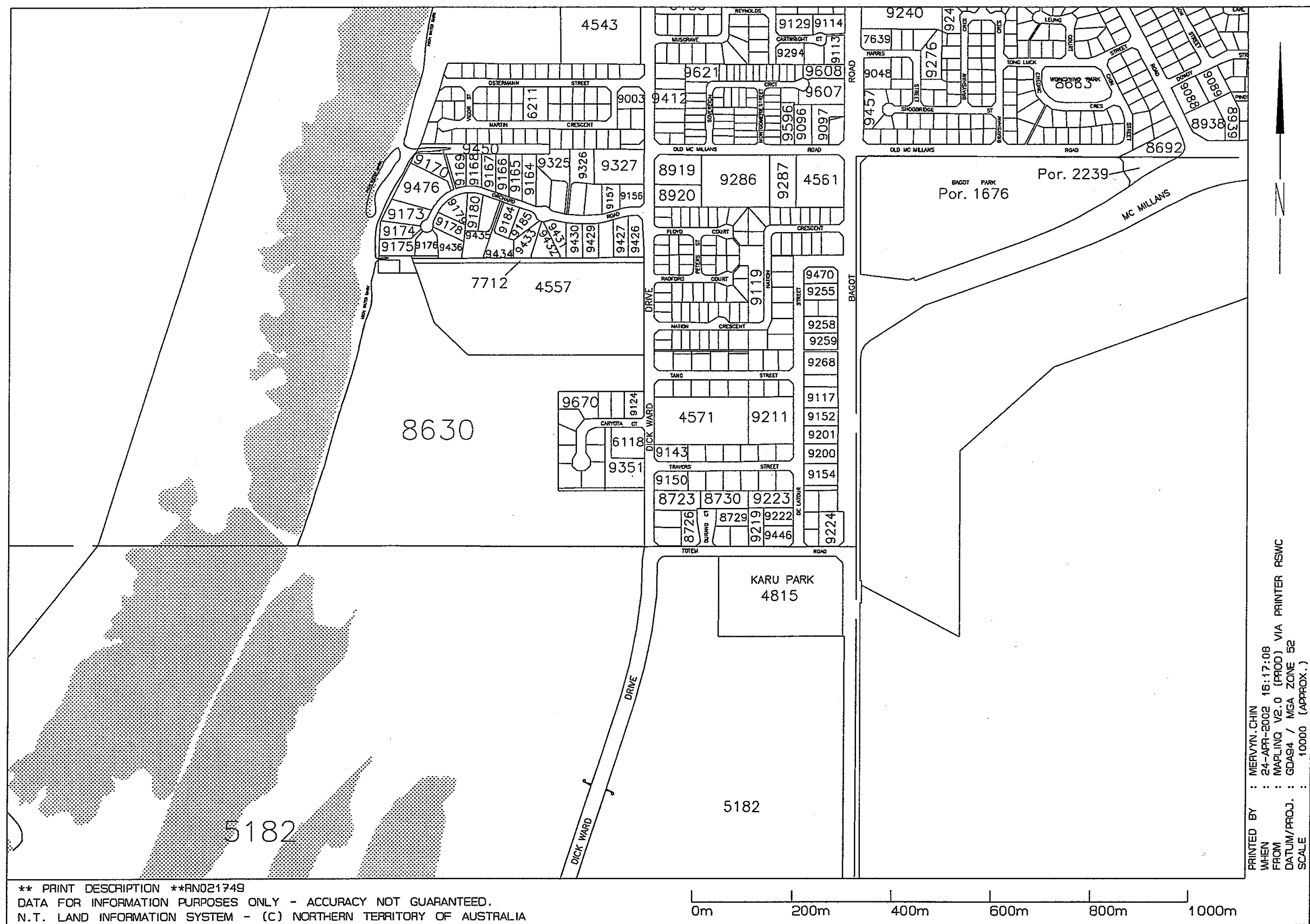


\*RN021749\*

4307.309

A

Jory



1285

BORE NAME BATHURST IS  
 Registered Number 21749  
 Index Number \_\_\_\_\_  
 Location BATHURST IS  
 Total Depth 39.60m  
 Depth Water Struck \_\_\_\_\_  
 Estimated Supply \_\_\_\_\_  
 Aquifer Material Soft sandstone & clay

Construction details casing screens, etc.

Interval	Size and description
	<u>8 5/8" from 0 to 35m</u>

Distance to production bore

Bore name	Distance
<u>RN 21792</u>	<u>21m 30"</u>

1285

Pump test crew A. PARKER  
M. WILLIAMS  
P. RICHARDS  
 Pump type MONO 820  
 Powered by V.M. DIESEL  
 Pump setting 33.14m  
 Method measuring pump discharge ORIFICE TUBE

List any other equipment used

M.A.N. 424 TOYOTA 4x4

Comments ALL MEASUREMENTS WERE TAKEN  
0.40m ABOVE GROUND LEVEL

On the 11-11-82 the screens were pulled  
and a concrete plug put in the  
bottom of the bore, the screens were  
then re-set at 39.60m T.D.



## INDEX

Description	Page
STEP TEST	1 & 3
CONSTANT RATE	4 & 5
OBS ROPS	6 & 7
RECOVERY RN 21794	8
RECOVERY RN 21792	9
CONSTANT RATE	10
OBS' ROPE RN 21792	11

Pumped Bore: 21794

OBS Bore: 21729

Time Started: 0800h

Date: 13/11/82

Standing Water Level: 13.25m

Time Stopped: 1440h

Date: 13/11/82 01

Available Drawdown: 19.89m

Test Type: STEP TEST

Step No.:

Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Orifice Plate Size	Q (l/s)	Water Sample Bot. No.	Water Sample Temp. (°C)	Comments
0800	1	18.4			3.5 <sup>40</sup>			Discharge cloudy some sand
	2	1.93						
	3	2.0						
	4	2.04						
	5	2.04						
	6	2.08						Discharge clearing
	7	2.10						
	8	2.12						
	9	2.12						
	10	2.14						
	12	2.14						Discharge clear
	15	2.17			3.5 <sup>41</sup>			
	20	2.20						
	30	2.23						
	40	2.24						
	50	2.26						
	60	2.27						
	70	2.30						
	80	2.30						
9.40	100	2.32			3.5 <sup>42</sup>			Discharge clear
	101	3.22			4.8 <sup>43</sup>			Discharge cloudy
	102	3.25						
	103	3.26						Discharge clear
	104	3.28						
	105	3.29						
	106	3.29						
	107	3.30			4.8 <sup>44</sup>			Discharge clear

Pumped Bore: 21794

OBS Bore:

Time Started: 0800 h

Date: 13-11-82

Standing Water Level: 13.25m

Time Stopped: 1440 h

Date: 13-11-82 02

Available Drawdown: 19.89m

Test Type: STEEP TEST.

Step No.:

Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Orifice Plate Size	Q (l/s)	Water Sample Bot. No.	Water Sample Temp. (°C)	Comments			
	108	3.30			4.8 <sup>4/10</sup>			Discharge	clear		
	109	3.30									
	110	3.30									
	112	3.30									
	115	3.30									
	120	3.30									
	130	3.35									
	140	3.35			4.8 <sup>4/10</sup>			Discharge	clear		
	150	3.37									
	160	3.39									
	170	3.39									
	180	3.39									
	190	3.39									
1120	200	3.39			4.8 <sup>4/10</sup>			Discharge	clear		
	201	4.16			6 <sup>4/10</sup>						
	202	4.26						Discharge	Muddy		
	203	4.32									
	204	4.30									
	205	4.30									
	206	4.30									
	207	4.33						Discharge	clear		
	208	4.34			6 <sup>4/10</sup>						
	209	4.32									
	210	4.32									
	212	4.31									
	215	4.31									
	220	4.31									
	230	4.32						Discharge	clear		



Pumped Bore: 21794

OBS Bore:

Standing Water Level: 13.25m

Available Drawdown: 19.89m

Time Started: 0800 hrs

Date: 16-11-82

Time Stopped: 0800 hrs

Date: 17-11-82 04

Test Type: CONSTANT RATE

Step No.:

Time C.S.T.	Time (min)	L/Down (m)	PZh (cm)	Or face P site Size	Q (l/s)	Water Sample Bot. No.	Water Sample Temp. (°C)	Comments
0800	1	2.90			7 2/3			Discharge sandy
	2	3.60						
	3	3.81						Discharge clearing with some
	4	3.90						fine sand
	5	4.0						
	6	4.05						
	7	4.12						
	8	4.16						Discharge cloudy & some sand
	9	4.19						
	10	4.21						
	12	4.24						
	15	4.18			7 1/4			
	20	4.32						
	30	4.35						Discharge clearing
	40	4.39						
	50	4.43						
	60	4.46						Discharge. Muddy some sand
	70	4.47						
	80	4.44						
	90	4.51						
	100	4.53						
	120	4.54						
	150	4.59			7 1/2			Discharge only some sand
	200	4.68						
	300	4.69						
	400	4.95						
	500	5.11						
	600	5.10						Discharge muddy with sand



Pumped Bore: 21794 OBS Bore:

**OBS Bore:**

Time Started: 0800 h

Date: 16-11-82

Standing Water Level: 13.25m

Time Stopped:

Date: 17-11-82 05

Available Drawdown:	19.89
---------------------	-------

Test Type: CONSTANT DIS

Step No.:

[illegible]



Pumped Bore: 21794 OBS Bore: 21729

Time Started: 0800 hr

Date: 16-11-82

Standing Water Level: 13.58m

Time Stopped: 0800 hrs

Date: 17-11-82 06

Available Drawdown: 065 6065

Test Type: 085 Deriv.

**Step No.:**

Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Orifice Plate Size	Q (l/s)	Water Sample Bot. No.	Water Sample Temp. (°C)	Comments
	1	0.01						21m from junction, Base
	2	0.03						
	3	0.07						
	4	0.10						
	5	0.12						
	6	0.14						
	7	0.15						
	8	0.16						
	9	0.18						
	10	0.19						
	12	0.20						
	15	0.23						
	20	0.27						
	30	0.30						
	40	0.33						
	50	0.35						
	60	0.37						
	70	0.38						
	80	0.40						
	90	0.42						
	100	0.43						
	120	0.45						
	150	0.47						
	200	0.51						
	300	0.58						
	400	0.63						
	500	0.67						
	600	0.70						

Date: 16-11-82

Date: 12-11-82 07

Step No.:

[illegible]



Date: 17-11-87

Date: 17-11-82 09

Step No.:

[illegible]

Pumped Bore: 21794

OBS Bore: 21792

Time Started: 11:30

Date: 17.11.82

Standing Water Level: 14.16m

Time Stopped:

Date:

10

Available Drawdown: 20m

Test Type: constant Rate

Step No.:

Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Orifice Plate Size	Q (l/s)	Water Sample Bot. No.	Water Sample Temp. (°C)	Comments
11:30	1	1.77			5 1/2			Discharge Muddy with sand
	2	2.18						
	3	2.25						
	4	2.31						
	5	2.42						
	6	2.48						
	7	2.49						Discharge clearing some fine sand
	8	2.51						
	9	2.53						
	10	2.54						
	12	2.56						Discharge slightly Muddy some sand
	15	2.62			5 1/2			
	20	2.69						
	30	2.85						
	40	2.80						
	50	2.82						Discharge clear no sand
	60	2.80						
	70	2.80						
	80	2.85						
	90	2.86						Discharge clear no sand
	100	2.86						
	120	2.85						
	150	2.85						
	200	2.85						
	300	2.85			5 1/2			Discharge clear no sand





**RECEIVED**

22 MAR 2001

NORTHERN TERRITORY OF AUSTRALIA

Water Act

DARWIN 0807

**D.L.P.E - W.R.D.****STATEMENT OF BORE**

Pursuant to Section 53 of the Water Act

NAME OF OWNER : <u>Bogot Community</u>				REGISTRATION No : <u>32471</u>			
NAME OF BORE : <u>N01/2000</u>				INDEX/MAP No : <u>80/6969</u>			
INTENDED USE : <u>Community</u>				ADVICE No : <u>      </u>			
LOCATION : <u>Bogot Rd, Darwin.</u>				PERMIT No : <u>      </u>			

From	To	Particulars of strata	Name of Contractor : <u>Centrex</u>																											
0	3	Clay light brown to dark brown mottled pisolites minor coarse sub rounded quartz minor micaceous light brown silt stone.	Name of Driller : <u>M TUDLOPE</u>																											
3	6		Date Commenced : <u>1 10 2000</u>																											
6	9		Date Completed : <u>3 10 2000</u>																											
9	12		Depth Drilled : <u>60</u> (m)																											
12	36	Silt stone light brown to dark brown weathered fissile minor disposable clay.	Completion Depth : <u>60</u> (m)																											
36	51	As Above Transition Zone	METHOD OF DRILLING																											
51	60	Silt stone light brown to dark brown as above fresh	<input checked="" type="checkbox"/> Rot. <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Cable <input type="checkbox"/> Others <table border="1"> <thead> <tr> <th colspan="3">HOLE DIAMETER</th> <th>DRILLING FLUID</th> </tr> <tr> <th>From</th> <th>To</th> <th>Diameter</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>250</td> <td>Air</td> </tr> <tr> <td>6</td> <td>60</td> <td>200</td> <td>Air</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				HOLE DIAMETER			DRILLING FLUID	From	To	Diameter	Type	0	6	250	Air	6	60	200	Air								
HOLE DIAMETER			DRILLING FLUID																											
From	To	Diameter	Type																											
0	6	250	Air																											
6	60	200	Air																											

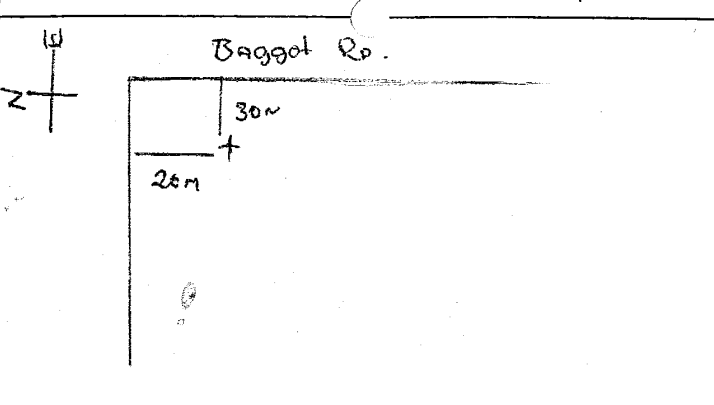
PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS				
From	To	Diam (ID)	Type	From	To	Diam (ID)	Aperture	Type
+2	6m	200	PVC	30m	42	125mm	5mm	Slots
+6	6m	150	Steel					
+6	42m	125	PVC					


Casing Suspended <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				TOP OF PACKER SET AT : <u>NIL</u> (m)			
Method : <u>Grout</u>				LENGTH OF PACKER : <u>      </u> (m)			
Height of Casing above G.L. : <u>6</u> (m)				METHOD OF PACKER CONNECTION : <u>      </u>			

CEMENTING/GRAVEL PACKING			WATER BEARING BEDS								
From	To	Type	Depth (m) From	To	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
0	6m	Grout									
0	5	Grout									

STRATA AND WATER SAMPLES			Completion Yield : <u>1.5</u> (L/s)   Method : <u>Air</u> Duration : <u>3</u> (hr)			
<input type="checkbox"/> Have been <input type="checkbox"/> Will be Left at :			Completion SWL (G.L.) : <u>6</u> (m)   Depth of Lift : <u>35</u> (m)			



LOCATION SKETCH OF BORE <span style="float: right;">RN 32471</span>		LOCATION DESCRIPTION OF BORE	
		<div style="text-align: right; margin-bottom: 10px;">30 m/km</div> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> E</span> <span><input checked="" type="checkbox"/> S</span> <span><input type="checkbox"/> SE</span> <span><input type="checkbox"/> NE</span> </div> <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> W</span> <span><input type="checkbox"/> N</span> <span><input type="checkbox"/> SW</span> <span><input type="checkbox"/> NW</span> </div> <p>OF :  <u>EASTEN BORROW</u>  <u>Border of the Darwin</u> </p>	
<b>FINAL CONSTRUCTION STATUS.</b> <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Casing pulled <input type="checkbox"/> Left for Observation <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Others (    )			
<b>ADDITIONAL INFORMATION OF INTEREST ABOUT BORE</b>   <div style="display: flex; justify-content: space-between;"> <div>Signature of Licenced Driller <i>[Signature]</i></div> <div>Date <u>8/10/2008</u></div> </div>			
<b>FOR OFFICIAL USE ONLY</b>			
<b>HOW LOCATED :</b> <input type="checkbox"/> GPS <input type="checkbox"/> TST <input type="checkbox"/> SURVEY <input checked="" type="checkbox"/> HAND PLOTTED <input type="checkbox"/> OTHER (    )			
<b>ELEVATION OF BORE AHD :</b> (m) From <input type="checkbox"/> G.L. <input type="checkbox"/> TOC			
<b>DESCRIPTION OF PROPERTY</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>           Lease No :            Portion No :         </div> <div>           Lot No :            Sect. No : <u>4806</u> </div> <div>           Hundred of :            Town of : <u>DARWIN</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span><input checked="" type="checkbox"/> Rural</span> <span><input type="checkbox"/> VCL</span> <span><input type="checkbox"/> Min</span> <span><input type="checkbox"/> Pastoral</span> </div> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Reserve</span> <span><input type="checkbox"/> SPL</span> <span><input type="checkbox"/> E.L</span> <span><input type="checkbox"/> Other</span> </div>			
<b>CLASS OF BORE</b> <input type="checkbox"/> TOWN <input type="checkbox"/> DOM <input type="checkbox"/> INV. <input type="checkbox"/> AGR. <input type="checkbox"/> MIN. <input type="checkbox"/> PAS. <input checked="" type="checkbox"/> OTHER			
<b>USE OF BORE</b> <input checked="" type="checkbox"/> PROD. <input type="checkbox"/> INV. <input type="checkbox"/> IRR. <input type="checkbox"/> OBS. <input type="checkbox"/> MON. <input type="checkbox"/> ROAD			
<b>GRID REFERENCE</b> <input checked="" type="checkbox"/> AMG <input type="checkbox"/> CLARKE    Zone : <u>S2</u> Scale :    1:10000			
<b>EASTING</b> : <u>701600</u> <b>NORTHING</b> : <u>8626940</u>		<b>LATITUDE</b> : <b>LONGITUDE</b> : <b>MAP NAME</b> : <u>DARWIN</u> <b>MAP NUMBER</b> : <u>0807</u>	
<b>AWRC STREAM BASIN No :</b> <u>0815</u> <b>Major Geological Units ( Name ) :</b>			
<b>GEOPHYSICAL LOG RUN</b> YES / NO    Date :    /    /    Depth :    (m) <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Gamma    <input type="checkbox"/> SP    <input type="checkbox"/> Camera    <input type="checkbox"/> Density</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span><input type="checkbox"/> Point Res.    <input type="checkbox"/> Caliper    <input type="checkbox"/> Other (    )</span> <div style="border: 1px solid black; padding: 5px; flex-grow: 1;"> <b>TEST PUMP : YES / NO</b> </div> </div>			
<b>Date Registered :</b> /    /		<b>Plotted on the map :</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">YES</span> NO <u>29/3/01</u> <i>M. CHIN</i>	
<b>Officer :</b>		<b>Signature :</b>	
<b>Remarks :</b>			

 RESOURCE PROTECTION DIVISION WATER CHEMISTRY LABORATORY		GPO BOX 990, DARWIN NT 0801 BERRIMAH AGRICULTURAL FARM STRATH ROAD, BERRIMAH NT 0828 Telephone: (08) 8999 2192 Fax: (08) 8999 2191		Bottle No.: <b>32471</b>	Lab Register No.: <b>340</b>
		Date Received in Lab: <b>26/3/2001</b>	Time Sampled:	Date Sampled: <b>3/10/2000</b>	
R/N No.: <b>32471</b>	Depth (m): <b>60</b>	Q: <b>1.5 LPS</b>	Map:	Sampler: <b>TUDEHOPE</b>	
G.S. No.:	G.H. (m):	Q:	G.R.:		
Location: <b>BAGOT COMMUNITY</b>			Field Temp °C:	Field pH:	Field Cond µS/cm:
<b>BAGOT ROAD DARWIN</b>			RSP:	Project No.: <b>TECHNICAL SERVICES</b>	

### ANALYSIS - PHYSICAL

<input checked="" type="checkbox"/> pH	[4500-H <sup>+</sup> B]	6.2	<input type="checkbox"/> Colour (Hazen units)	[2120B]	
<input type="checkbox"/> Electrical conductivity (microsiemens/cm at 25°C)	[2510B]	193	<input type="checkbox"/> Turbidity (NTU's)	[2130B]	
<input type="checkbox"/> Total dissolved solids (mg L <sup>-1</sup> - dried at 180°C)	[2540C]	126	<input type="checkbox"/> Suspended solids (mg L <sup>-1</sup> )	[2540D]	

### ANALYSIS - CHEMICAL (mg L<sup>-1</sup>)

<input type="checkbox"/> Sodium, Na	[3111B]	20	<input type="checkbox"/> Chloride, Cl	[4500-Cl <sup>-</sup> B]	31
<input type="checkbox"/> Potassium, K	[3111B]	6	<input type="checkbox"/> Sulphate, SO <sub>4</sub>	[G]	7
<input type="checkbox"/> Calcium, Ca	[3111D]	2	<input type="checkbox"/> Nitrate, NO <sub>3</sub>	[4500-NO <sub>3</sub> <sup>-</sup> B]	<1
<input type="checkbox"/> Magnesium, Mg	[3111B]	7	<input type="checkbox"/> Bicarbonate, HCO <sub>3</sub>	[2320B]	52
<input checked="" type="checkbox"/> Iron, (total) Fe	[3111B]	u/s	<input type="checkbox"/> Carbonate, CO <sub>3</sub>	[2320B]	0
<input type="checkbox"/> Total Hardness (as CaCO <sub>3</sub> ) Calculation	[2340B]	34	<input type="checkbox"/> Hydroxide, OH	[2320B]	0
<input type="checkbox"/> Total Hardness (as CaCO <sub>3</sub> ) Titration	[2340C]		<input type="checkbox"/> Fluoride, F	[4500-F <sup>-</sup> C]	0.4
<input type="checkbox"/> Total Alkalinity (as CaCO <sub>3</sub> )	[2320B]	43	<input type="checkbox"/> NaCl (calc. from chloride)		51
<input type="checkbox"/> Silica, SiO <sub>2</sub>	[4500-Si D]	15	<input type="checkbox"/> Dissolved Oxygen	[4500-O-C]	

### ANALYSIS - ADDITIONAL (mg L<sup>-1</sup>)

<input type="checkbox"/> Copper, Cu	[3111B]		<input type="checkbox"/> Manganese, Mn	[3111B]		<input type="checkbox"/> Zinc, Zn	[3111B]	
<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		

❖ U/S DENOTES UNSUITABLE FOR ANALYSIS C1 3985 010402j # 9  
 ❖ I/S DENOTES INSUFFICIENT SAMPLE  
 ❖ F DENOTES FILTRATE ANALYSIS  
 ❖ T DENOTES TOTAL ANALYSIS

This report relates specifically to the "sample tested as received".

The test methods used (denoted within brackets) refer to the 1992 18th edition of "Standard Methods for the examination of Water and Wastewater", A.P.H.A. Except [G] which refers to the method of R. Goguel, Anal. Chem. 1969, 41, 1034.

Boxes marked thus indicate: ☐ Levels are within the limits as quoted in the "Guidelines for Drinking Water Quality in Australia". 1987 N.H. & M.R.C. and the A.W.R.C.

☒ Levels exceed non-health related limits.

☒ Levels exceed health related limits

DATE: **05 APR 2001**

CHECKED: *[Signature]*

SIGNATURE: *[Signature]*

**09 APR 2001**

**D.L.P.E - W.R.D.**

## STATEMENT OF BORE

Pursuant to Section 53 of the Water Act

ENTER 6/7/12

NAME OF OWNER : RAAF DARWIN				REGISTRATION No : 37610			
NAME OF BORE : MW 33				INDEX/MAP No : 80/9423			
INTENDED USE : Monitoring				ADVICE No :			
LOCATION : Stuart Hwy Winaelie				PERMIT No :			

From	To	Particulars of strata		Name of Contractor : BORES NT				
0	1	laterite Siltstone firm.		Name of Driller : H. VANTILBURG B. BULLONS				
1	15			Date Commenced : 6-3-12				
Date Completed : 6-3-12								
Depth Drilled : 15 (m)								
Completion Depth : 15 (m)								
METHOD OF DRILLING								
<input checked="" type="checkbox"/> Rot. <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Cable <input type="checkbox"/> Others								
				HOLE DIAMETER		DRILLING FLUID		
From	To	Diameter		Type				
0	15	125mm		AIR.				

PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS				
From	To	Diam (ID)	Type	From	To	Diam (ID)	Aperture	Type
0	15	50mm	PVC	1	15	50mm	1mm	machine slotted.

Casing Suspended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TOP OF PACKER SET AT : (m)	
Method : Sealed		LENGTH OF PACKER : (m)	
Height of Casing above G.L. : 0 (m)		METHOD OF PACKER CONNECTION :	

CEMENTING/GRAVEL PACKING			WATER BEARING BEDS							
From	To	Type	Depth (m) From To	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
1	15	Gravel	3	10	See page 3					
5	1	Bentonite								
0	5	Cement								

STRATA AND WATER SAMPLES										
<input type="checkbox"/> Have been <input checked="" type="checkbox"/> Will be Left at : DWN			Completion Yield : See page 3 L/s   Method : Drilling   Duration : (hr) Completion SWL (G.L.) : 3 (m)   Depth of Lift : 15 (m)							

LOCATION SKETCH OF BORE	LOCATION DESCRIPTION OF BORE	
	<div style="text-align: right;">m / km</div> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> E   <input type="checkbox"/> S   <input type="checkbox"/> SE   <input type="checkbox"/> NE  <input type="checkbox"/> W   <input type="checkbox"/> N   <input type="checkbox"/> SW   <input type="checkbox"/> NW </div> <div> OF :  <u>526070 2310</u>  <u>8627180</u>      </div> </div>	
<b>FINAL CONSTRUCTION STATUS.</b> <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Casing pulled <input checked="" type="checkbox"/> Left for Observation <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Others (   )		
<b>ADDITIONAL INFORMATION OF INTEREST ABOUT BORE</b> <div style="display: flex; justify-content: space-between;"> <div> <i>Drilled By H. VANTILBURG</i>  <i>Supervised By B. BURROWS</i> </div> <div> <i>Flush Mount</i>  <i>Gatic used.</i> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Signature of Licenced Driller <i>B. Burrows. well</i></div> <div>Date <i>6 / 3 / 12</i></div> </div>		
<b>FOR OFFICIAL USE ONLY</b>		
<b>HOW LOCATED :</b> <input checked="" type="checkbox"/> GPS <input type="checkbox"/> TST <input type="checkbox"/> SURVEY <input type="checkbox"/> HAND PLOTTED <input type="checkbox"/> OTHER (   )		
<b>ELEVATION OF BORE</b> AHD :   (m) From <input type="checkbox"/> G.L <input type="checkbox"/> TOC		
<b>DESCRIPTION OF PROPERTY</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <input type="checkbox"/> Rural  <input type="checkbox"/> Reserve </div> <div> <input type="checkbox"/> VCL  <input type="checkbox"/> SPL </div> <div> <input type="checkbox"/> Min  <input type="checkbox"/> E.L </div> <div> <input type="checkbox"/> Pastoral  <input checked="" type="checkbox"/> Other </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> Lease No :  Portion No : </div> <div> Lot No :  Sect. No : <i>5730</i> </div> <div> Hundred of : <i>BAGOT</i>  Town of : </div> </div>		
<b>CLASS OF BORE</b> <input type="checkbox"/> TOWN <input type="checkbox"/> DOM <input checked="" type="checkbox"/> INV. <input type="checkbox"/> AGR. <input type="checkbox"/> MIN. <input type="checkbox"/> PAS. <input type="checkbox"/> OTHER		
<b>USE OF BORE</b> <input type="checkbox"/> PROD. <input type="checkbox"/> INV. <input type="checkbox"/> IRR. <input type="checkbox"/> OBS. <input checked="" type="checkbox"/> MON. <input type="checkbox"/> ROAD		
<b>GRID REFERENCE</b> <input checked="" type="checkbox"/> AMG <input type="checkbox"/> CLARKE   Zone : <i>52</i> Scale :   1:		
EASTING : <i>702310</i> NORTHING : <i>8627180</i>	LATITUDE : LONGITUDE :	MAP NAME : MAP NUMBER :
AWRC STREAM BASIN No : <i>0815</i> Major Geological Units ( Name ) :		
<b>GEOPHYSICAL LOG RUN</b> YES / NO   Date :   /   /   Depth :   ( m ) <input type="checkbox"/> Gamma <input type="checkbox"/> SP <input type="checkbox"/> Camera <input type="checkbox"/> Density <input type="checkbox"/> Point Res. <input type="checkbox"/> Caliper <input type="checkbox"/> Other (   ) <div style="float: right;">TEST PUMP : YES / NO</div>		
Date Registered :   /   /   Plotted on the map :   YES / NO		
Officer :   Signature :		
Remarks : <i>COMMONWEALTH OF AUSTRALIA</i>		



MW149

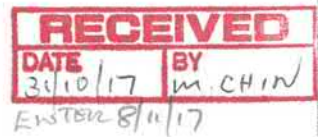
THE NORTHERN TERRITORY OF AUSTRALIA  
APPROVED FORM 21 (25/01/2011)  
**STATEMENT OF BORE**  
As per Water Regulations (2009)

Name of Owner: <b>Contracted by Coffey</b>				Registration No.: <b>040339</b>			
Location/Address: <b>RAAF Base Darwin Winellie</b>				BC Permit No:			
Intended Use: <b>MONITORING ONLY</b>							
GPS Location:		Zone: <b>52</b>	GDA94 <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	Specify:	Easting: <b>701817</b>	Northing: <b>8627056</b>
From	To	Particulars of Strata			Name of Drilling Company: <b>PROACTIVE DRILLING</b>		
0	1	Gravelly soil/loam, Red/Brown siltstone, Red/Brown Dry Dry siltstone, Red/Brown Moist.			Name of Driller: <b>MARIUS WEATHERALD</b>		
1	5				Name of supervising driller		
5	12				Date Commenced: <b>3/8/2017</b>		
					Date Completed: <b>3/8/2017</b>		
					Depth Drilled: <b>12</b> (m)		
					Completion Depth: <b>12</b> (m)		
<b>METHOD OF DRILLING</b> Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/> Specify:							
<b>HOLE DIAMETER</b> <b>DRILLING FLUID</b> From (m)   To (m)   Dia. (mm)                      Type							
0		12		115		—	
<b>PARTICULARS OF CASING</b>				<b>PARTICULARS OF PERFORATIONS OR SCREEN STRINGS</b>			
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture                      Type
0	1	50mm	PVC	1	12	50mm	0.4mm                      PVC
Casing Suspended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Top of Packer Set at: (m)			
Method: <b>N/A</b>				Length of Packer: (m)			
Height of Casing above GL: (m)				Method of Packer Connection: <b>N/A</b>			
<b>CEMENTING/GRAVEL PACKING</b>				<b>WATER BEARING BEDS</b>			
From	To	Type	Depth (m)	Yield	SWL	Duration	Quality                      EC                      pH                      Bottle No.
0	0.3	Cement		(L/s)	(m)	(hr)	
0.3	0.6	Bentonite					
0.6	12	Gravel					
<b>STRATA / WATER SAMPLES</b> Have been <input type="checkbox"/> Will be <input type="checkbox"/> Left at:				Completion Yield: (L/s)                      Method: (m) Completion SWL from GL:                      Duration: (hr) Depth of Lift: (m)			

NOTE: No company advertising is to be imprinted on this certificate apart from where requested.

MW149

LOCATION SKETCH OF BORE RN: 040339		LOCATION DESCRIPTION OF BORE	
		<div style="display: flex; justify-content: space-between;"> <div> NW <input checked="" type="checkbox"/>  West <input type="checkbox"/>  SW <input type="checkbox"/> </div> <div> North <input checked="" type="checkbox"/>  South <input type="checkbox"/> </div> <div> NE <input type="checkbox"/>  East <input type="checkbox"/>  SE <input type="checkbox"/> </div> </div> <p>600 0 km</p> <p>OF: RAAF Golf course club house.</p>	
<b>FINAL CONSTRUCTION STATUS</b> Capped <input checked="" type="checkbox"/> Casing Pulled <input type="checkbox"/> Left for Obs. <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Other <input type="checkbox"/>			
<b>ADDITIONAL INFORMATION ABOUT THE BORE:</b> (Include any information which may assist for future reference)			
MONITORING ONLY			
<small>Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.</small>			
I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.			
<b>MARUS WEATHERALD</b> DL1010			
Name and licence number of driller:		Signature and licence number of licensed driller:    Date: 12 9 2017	
<b>FOR OFFICIAL USE ONLY</b>			
How Located:    GPS <input checked="" type="checkbox"/> TST <input type="checkbox"/> Survey <input type="checkbox"/> Hand Plotted <input type="checkbox"/> Other <input type="checkbox"/>			
<b>DESCRIPTION OF PROPERTY:</b> Rural <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Reserve <input checked="" type="checkbox"/> VCL <input type="checkbox"/> Other <input type="checkbox"/>			
Lease No.		Lot No.	
Portion No.		Section No. 5730	
Class of Bore:    Town <input type="checkbox"/> Domestic <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Other <input type="checkbox"/>		Hundred of: BAGOT	
Use of Bore:    Production <input type="checkbox"/> Investigation <input type="checkbox"/> Irrigation <input type="checkbox"/> Observation <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Roads <input type="checkbox"/> None <input type="checkbox"/>		Town of:	
Grid Reference:    AMG <input checked="" type="checkbox"/> Clark <input type="checkbox"/> Zone: S2		Scale:	
Easting: 701817		Latitude:	
Northing: 8627056		Longitude:	
Date Registered:		Index Map Number: 80/10621	
Dept Officer:		Bore Plotted on the map?    Yes <input type="checkbox"/> No <input type="checkbox"/>	
Remarks:		Signature	
S/B 0815			



MW150

**THE NORTHERN TERRITORY OF AUSTRALIA**  
**APPROVED FORM 21 (25/01/2011)**  
**STATEMENT OF BORE**  
 As per Water Regulations (2009)

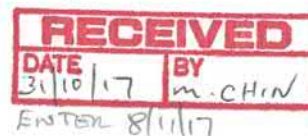
Name of Owner: <b>Contracted by Coffey</b>				Registration No.: <b>040340</b>			
Location/Address: <b>RAAF Base Darwin</b>				BC Permit No:			
Intended Use: <b>MONITORING ONLY</b>							
GPS Location:		Zone: <b>52</b>	GDA94 <input checked="" type="checkbox"/> Other: <input type="checkbox"/>	Specify:		Easting: <b>701821</b>	Northing: <b>8627468</b>
From	To	Particulars of Strata		Name of Drilling Company: <b>PROACTIVE DRILLING</b>			
0	1.2	Gravelly soil/larkite, Red/Brown, Dry		Name of Driller: <b>MARIUS WEATHERALD</b>			
1.2	5	Siltstone, Red/Brown, Dry		Name of supervising driller			
5	12	Siltstone, Red/Brown, moist.		Date Commenced: <b>4/8/2017</b>			
				Date Completed: <b>4/8/2017</b>			
				Depth Drilled: <b>12</b> (m)			
				Completion Depth: <b>12</b> (m)			
<b>METHOD OF DRILLING</b> Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/> Specify:							
				<b>HOLE DIAMETER</b>		<b>DRILLING FLUID</b>	
From (m)		To (m)		Dia. (mm)		Type	
0		12		115			
<b>PARTICULARS OF CASING</b>				<b>PARTICULARS OF PERFORATIONS OR SCREEN STRINGS</b>			
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture
0	1	50mm	PVC	1	12	50mm	0.4mm
				Type			
				PVC			
Casing Suspended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Top of Packer Set at: (m)			
Method: <b>N/A</b>				Length of Packer: (m)			
Height of Casing above GL: (m)				Method of Packer Connection: <b>N/A</b>			
<b>CEMENTING/GRAVEL PACKING</b>				<b>WATER BEARING BEDS</b>			
From	To	Type	Depth (m)	Yield	SWL	Duration	Quality
0	0.3	Cement	From	To	(L/s)	(m)	(hr)
0.3	0.6	Bentonite					
0.6	12	Gravel.					
				EC			
				pH			
				Bottle No.			
<b>STRATA / WATER SAMPLES</b>							
Have been <input type="checkbox"/> Will be <input type="checkbox"/>				Completion Yield: (L/s)			
Left at:				Completion SWL from GL: (m)			
				Duration: (hr)			
				Depth of Lift: (m)			

**NOTE:** No company advertising is to be imprinted on this certificate apart from where requested.



MW150

LOCATION SKETCH OF BORE RN: 040340		LOCATION DESCRIPTION OF BORE	
		<div style="text-align: right; margin-bottom: 10px;">2000 km</div> <div style="display: flex; justify-content: space-between;"> <div> NW <input type="checkbox"/> West <input type="checkbox"/> SW <input type="checkbox"/> </div> <div> North <input type="checkbox"/> South <input type="checkbox"/> </div> <div> NE <input checked="" type="checkbox"/> East <input type="checkbox"/> SE <input type="checkbox"/> </div> </div> <p style="font-size: 1.2em;">OF: Intersection of Baggot Rd &amp; Fitzner Dr.</p>	
<b>FINAL CONSTRUCTION STATUS</b> Capped <input checked="" type="checkbox"/> Casing Pulled <input type="checkbox"/> Left for Obs. <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Other <input type="checkbox"/>			
<b>ADDITIONAL INFORMATION ABOUT THE BORE:</b> (Include any information which may assist for future reference)			
MONITORING ONLY			
<small>Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.</small>			
<small>I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.</small>			
<b>MARWS WEATHERALD</b> DL1010 Name and licence number of driller:		9/12/2017 Signature and licence number of licensed driller:    Date:	
<b>FOR OFFICIAL USE ONLY</b>			
How Located:    GPS <input checked="" type="checkbox"/> TST <input type="checkbox"/> Survey <input type="checkbox"/> Hand Plotted <input type="checkbox"/> Other <input type="checkbox"/>			
<b>DESCRIPTION OF PROPERTY:</b> Rural <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Reserve <input checked="" type="checkbox"/> VCL <input type="checkbox"/> Other <input type="checkbox"/>			
Lease No.    Lot No.    Hundred of: <b>BAGGOT</b> Portion No.    Section No. <b>5730</b> Town of:			
Class of Bore:    Town <input type="checkbox"/> Domestic <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Other <input type="checkbox"/>			
Use of Bore:    Production <input type="checkbox"/> Investigation <input type="checkbox"/> Irrigation <input type="checkbox"/> Observation <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Roads <input type="checkbox"/> None <input type="checkbox"/>			
Grid Reference:    AMG <input checked="" type="checkbox"/> Clark <input type="checkbox"/> Zone: <b>52</b> Scale:			
Easting: <b>701821</b> Latitude:    Map Name:    Index Map Number: <b>80/10622</b>			
Northing: <b>8627468</b> Longitude:    Bore Plotted on the map?    Yes <input type="checkbox"/> No <input type="checkbox"/>			
Date Registered:    Dept Officer:    Signature: <b>5/8 0815</b>			
Remarks:			



THE NORTHERN TERRITORY OF AUSTRALIA  
APPROVED FORM 21 (25/01/2011)  
**STATEMENT OF BORE**  
*As per Water Regulations (2009)*

Name of Owner:		Contracted by Coffey RAAF Base Darwin Winellie		Registration No.: 090341						
Location/Address:				BC Permit No: _____						
Intended Use:		MONITORING ONLY								
GPS Location:		Zone: S2	GDA94 <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	Specify:					
				Easting: 702027						
				Northing: 8628025						
From To		Particulars of Strata		Name of Drilling Company: PROACTIVE DRILLING						
0 1.5		Gravelly soil / laterite, Red/Brown		Name of Driller: MARIS WEATHERALL						
1.5 6		Siltstone, Red/Brown, Dry		Name of supervising driller						
6 12		Siltstone, Red/Brown, moist.		Date Commenced: 4/8/2017						
				Date Completed: 4/8/2017						
				Depth Drilled: 12 (m)						
				Completion Depth: 12 (m)						
				METHOD OF DRILLING						
				Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/>						
				Specify:						
				HOLE DIAMETER						
				DRILLING FLUID						
				From (m) To (m) Dia. (mm) Type						
				0 12 115 —						
PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS						
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture	Type		
0	1	50mm	PVC	1	12	50mm	0.4mm	PVC		
Casing Suspended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Top of Packer Set at: N/A (m)						
Method: N/A				Length of Packer: N/A (m)						
Height of Casing above GL: (m)				Method of Packer Connection: N/A						
CEMENTING/GRAVEL PACKING				WATER BEARING BEDS						
From	To	Type	Depth (m)	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
0	0.3	Coarse Bentonite								
0.3	0.6	Bentonite								
0.6	12	Gravel								
STRATA / WATER SAMPLES				Completion Yield: (L/s) Method: (m)				Duration: (hr)		
Have been <input type="checkbox"/> Will be <input type="checkbox"/>				Completion SWL from GL:				Depth of Lift: (m)		
Left at:										

NOTE: No company advertising is to be imprinted on this certificate apart from where requested.

MW151

LOCATION SKETCH OF BORE RN: 040341		LOCATION DESCRIPTION OF BORE	
		<div style="text-align: right; margin-bottom: 5px;">400 m</div> <div style="display: flex; justify-content: space-between;"> <div> NW <input type="checkbox"/> West <input type="checkbox"/> SW <input type="checkbox"/> OF </div> <div style="text-align: center;"> North <input type="checkbox"/>    South <input type="checkbox"/> </div> <div> NE <input type="checkbox"/> East <input type="checkbox"/> SE <input checked="" type="checkbox"/> </div> </div> <p style="font-size: 1.2em; margin-top: 10px;">Intersection of Baggot Rd &amp; Osgood drive.</p>	
<b>FINAL CONSTRUCTION STATUS</b> Capped <input checked="" type="checkbox"/> Casing Pulled <input type="checkbox"/> Left for Obs. <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Other <input type="checkbox"/>			
<b>ADDITIONAL INFORMATION ABOUT THE BORE:</b> (Include any information which may assist for future reference)			
<div style="font-size: 1.5em; font-weight: bold; margin-top: 20px;">MONITORING ONLY</div>			
<small>Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.</small>			
<small>I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.</small>			
<b>MARWS WEATHERALD</b> DL1010 Name and licence number of driller:		 Signature and licence number of licensed driller:    Date: 12/9/2017	
FOR OFFICIAL USE ONLY			
How Located:    GPS <input checked="" type="checkbox"/> TST <input type="checkbox"/> Survey <input type="checkbox"/> Hand Plotted <input type="checkbox"/> Other <input type="checkbox"/>			
<b>DESCRIPTION OF PROPERTY:</b> Rural <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Reserve <input checked="" type="checkbox"/> VCL <input type="checkbox"/> Other <input type="checkbox"/>			
Lease No.    Lot No.    Hundred of: <b>BAGOT</b> Portion No.    Section No. <b>5730</b> Town of:			
Class of Bore:    Town <input type="checkbox"/> Domestic <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Other <input type="checkbox"/>			
Use of Bore:    Production <input type="checkbox"/> Investigation <input type="checkbox"/> Irrigation <input type="checkbox"/> Observation <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Roads <input type="checkbox"/> None <input type="checkbox"/>			
Grid Reference:    AMG <input checked="" type="checkbox"/> Clark <input type="checkbox"/> Zone: <b>52</b> Scale:			
Easting: <b>702027</b> Latitude:    Map Name:			
Northing: <b>8628025</b> Longitude:    Index Map Number: <b>80/10623</b>			
Date Registered:    Bore Plotted on the map?    Yes <input type="checkbox"/> No <input type="checkbox"/>			
Dept. Officer:    Signature:			
Remarks:			
<div style="font-size: 1.2em; font-family: cursive;">S/B0815</div>			





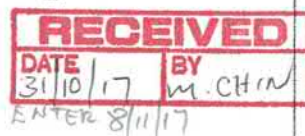
THE NORTHERN TERRITORY OF AUSTRALIA  
APPROVED FORM 21 (25/01/2011)  
**STATEMENT OF BORE**  
*As per Water Regulations (2009)*

Name of Owner:	Contracted by Coffey RAAF Base Darwin Winellie						Registration No.: 090342			
Location/Address:							BC Permit No:			
Intended Use:	MONITORING ONLY									
GPS Location:	Zone:	GDA84	Other:	Specify:	Easting:	Northing:				
	SZ	<input checked="" type="checkbox"/>	<input type="checkbox"/>		702044	8628433				
From	To	Particulars of Strata				Name of Drilling Company: PROACTIVE DRILLING				
0	2	Coarsely silty/clayey, Red/Brown, Dry Siltstone, Red/Brown, Dry Siltstone, Red/Brown, moist.				Name of Driller: MARCUS WEATHERALL				
2	55					Name of supervising driller				
55	12					Date Commenced: 4/8/2017 Date Completed: 4/8/2017				
						Depth Drilled: 12 (m)				
						Completion Depth: 12 (m)				
						METHOD OF DRILLING				
						Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary/Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/>				
						Specify:				
						HOLE DIAMETER				
						DRILLING FLUID				
						From (m) To (m) Dia. (mm) Type				
						0 12 115 —				
PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS						
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture	Type		
0	1	50mm	PVC	1	12	50mm	0.4mm	PVC		
Casing Suspended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Top of Packer Set at: N/A (m)						
Method: N/A				Length of Packer: N/A (m)						
Height of Casing above GL: (m)				Method of Packer Connection: N/A						
CEMENTING/GRAVEL PACKING				WATER BEARING BEDS						
From	To	Type	Depth (m)	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
0	0.3	Cement								
0.3	0.6	Barite								
0.6	12	Gravel								
STRATA / WATER SAMPLES				Completion Yield: (L/s) Method: (m) Duration: (hr)						
Have been <input type="checkbox"/> Will be <input type="checkbox"/>				Completion SWL from GL: Depth of Lift: (m)						
Left at:										

**NOTE:** No company advertising is to be imprinted on this certificate apart from where requested.

MW52

LOCATION SKETCH OF BORE RN: 040342		LOCATION DESCRIPTION OF BORE	
		<div style="text-align: right;">100 m</div> <div style="display: flex; justify-content: space-between;"> <div> NW <input type="checkbox"/> West <input type="checkbox"/> SW <input type="checkbox"/> </div> <div> North <input type="checkbox"/>    South <input type="checkbox"/> </div> <div> NE <input type="checkbox"/> East <input checked="" type="checkbox"/> SE <input type="checkbox"/> </div> </div> <p>OF: Osgood Drive</p>	
<b>FINAL CONSTRUCTION STATUS</b> Capped <input checked="" type="checkbox"/> Casing Pulled <input type="checkbox"/> Left for Obs. <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Other <input type="checkbox"/>			
<b>ADDITIONAL INFORMATION ABOUT THE BORE:</b> (Include any information which may assist for future reference)			
<p style="font-size: 24px; text-align: center;">MONITORING ONLY</p>			
<small>Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.</small>			
I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.			
<b>MARWS WEATHERALD</b> DL1010			
Name and licence number of driller:		Signature and licence number of licensed driller:    Date: 12, 9, 2017	
<b>FOR OFFICIAL USE ONLY</b>			
How Located:    GPS <input checked="" type="checkbox"/> TST <input type="checkbox"/> Survey <input type="checkbox"/> Hand Plotted <input type="checkbox"/> Other <input type="checkbox"/>			
<b>DESCRIPTION OF PROPERTY:</b> Rural <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Reserve <input checked="" type="checkbox"/> VCL <input type="checkbox"/> Other <input type="checkbox"/>			
Lease No.    Lot No.    Hundred of: BAGOT			
Portion No.    Section No. 5730    Town of:			
Class of Bore:    Town <input type="checkbox"/> Domestic <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Other <input type="checkbox"/>			
Use of Bore:    Production <input type="checkbox"/> Investigation <input type="checkbox"/> Irrigation <input type="checkbox"/> Observation <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Roads <input type="checkbox"/> None <input type="checkbox"/>			
Grid Reference:    AMG <input checked="" type="checkbox"/> Clark <input type="checkbox"/> Zone: 52    Scale:			
Easting: 702044    Latitude:    Map Name:			
Northing: 8628433    Longitude:    Index Map Number: 80/10624			
Date Registered:    Bore Plotted on the map?    Yes <input type="checkbox"/> No <input type="checkbox"/>			
Dept Officer:    Signature:			
Remarks:			
S/B 08/15			



mm188

THE NORTHERN TERRITORY OF AUSTRALIA  
APPROVED FORM 21 (25/01/2011)  
**STATEMENT OF BORE**  
As per Water Regulations (2009)

Name of Owner: <b>Contracted by Loffey</b>				Registration No.: <b>040456</b>																																							
Location/Address: <b>26 Harney st Ludmilla.</b>				BC Permit No:																																							
Intended Use: <b>MONITORING ONLY</b>																																											
GPS Location:		Zone: <b>SZ</b>	GDA94 <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	Specify:	Easting: <b>701308</b>	Northing: <b>8627060</b>																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Particulars of Strata</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1.2</td> <td>Gravelly soil / laterite, rd/Brown</td> </tr> <tr> <td>1.2</td> <td>8</td> <td>Siltstone, rd/Brown, dry</td> </tr> <tr> <td>8</td> <td>12</td> <td>Siltstone, rd/Brown, moist.</td> </tr> </tbody> </table>				From	To	Particulars of Strata	0	1.2	Gravelly soil / laterite, rd/Brown	1.2	8	Siltstone, rd/Brown, dry	8	12	Siltstone, rd/Brown, moist.	Name of Drilling Company: <b>PROACTIVE DRILLING</b>																											
				From	To	Particulars of Strata																																					
				0	1.2	Gravelly soil / laterite, rd/Brown																																					
				1.2	8	Siltstone, rd/Brown, dry																																					
				8	12	Siltstone, rd/Brown, moist.																																					
Name of Driller: <b>MARIUS WEATHERALD</b>																																											
Name of supervising driller:																																											
Date Commenced: <b>15/8/2017</b>																																											
Date Completed: <b>17 11</b>																																											
Depth Drilled: <b>12</b> (m)																																											
Completion Depth: <b>12</b> (m)																																											
<b>METHOD OF DRILLING</b> Other <input type="checkbox"/> Auger <input type="checkbox"/> Rev. Circ. <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/> Specify:																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">HOLE DIAMETER</th> <th>DRILLING FLUID</th> </tr> <tr> <th>From (m)</th> <th>To (m)</th> <th>Dia. (mm)</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>12</td> <td>115</td> <td></td> </tr> </tbody> </table>				HOLE DIAMETER			DRILLING FLUID	From (m)	To (m)	Dia. (mm)	Type	0	12	115																													
HOLE DIAMETER			DRILLING FLUID																																								
From (m)	To (m)	Dia. (mm)	Type																																								
0	12	115																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">PARTICULARS OF CASING</th> <th colspan="4">PARTICULARS OF PERFORATIONS OR SCREEN STRINGS</th> </tr> <tr> <th>From</th> <th>To</th> <th>Dia (ID)</th> <th>Type</th> <th>From</th> <th>To</th> <th>Dia (ID)</th> <th>Aperture</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>50mm</td> <td>PVC</td> <td>1</td> <td>12</td> <td>50mm</td> <td>0.4mm</td> <td>PVC</td> </tr> </tbody> </table>				PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS				From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture	Type	0	1	50mm	PVC	1	12	50mm	0.4mm	PVC														
PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS																																							
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture	Type																																			
0	1	50mm	PVC	1	12	50mm	0.4mm	PVC																																			
Casing Suspended: Yes <input checked="" type="checkbox"/> N/A No <input type="checkbox"/>				Top of Packer Set at: (m)																																							
Method: (m)				Length of Packer: (m)																																							
Height of Casing above GL: (m)				Method of Packer Connection: (m)																																							
<b>CEMENTING/GRAVEL PACKING</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.3</td> <td>Cement</td> </tr> <tr> <td>0.3</td> <td>0.6</td> <td>Bentonite</td> </tr> <tr> <td>0.6</td> <td>12</td> <td>gravel</td> </tr> </tbody> </table>				From	To	Type	0	0.3	Cement	0.3	0.6	Bentonite	0.6	12	gravel	<b>WATER BEARING BEDS</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Depth (m)</th> <th>Yield (L/s)</th> <th>SWL (m)</th> <th>Duration (hr)</th> <th>Quality</th> <th>EC</th> <th>pH</th> <th>Bottle No.</th> </tr> <tr> <th>From</th> <th>To</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="8" style="text-align: center;"> </td> </tr> </tbody> </table>				Depth (m)	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.	From	To														
From	To	Type																																									
0	0.3	Cement																																									
0.3	0.6	Bentonite																																									
0.6	12	gravel																																									
Depth (m)	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.																																				
From	To																																										
<b>STRATA / WATER SAMPLES</b> Have been <input type="checkbox"/> Left at: Will be <input type="checkbox"/>				Completion Yield: (L/s) Method: (m) Duration: (hr) Completion SWL from GL: (m) Depth of Lift: (m)																																							

NOTE: No company advertising is to be imprinted on this certificate apart from where requested.



LOCATION SKETCH OF BORE RN: 040456		LOCATION DESCRIPTION OF BORE	
		<div style="text-align: right; margin-bottom: 10px;">600 km</div> <div style="display: flex; justify-content: space-between;"> <div> NW <input type="checkbox"/>  West <input checked="" type="checkbox"/>  SW <input checked="" type="checkbox"/> </div> <div> North <input type="checkbox"/>    South <input type="checkbox"/> </div> <div> NE <input type="checkbox"/>  East <input type="checkbox"/>  SE <input type="checkbox"/> </div> </div> <p>OF: Intersection of Service rd &amp; Haney st.</p>	
<b>FINAL CONSTRUCTION STATUS</b> Capped <input checked="" type="checkbox"/> Casing Pulled <input type="checkbox"/> Left for Obs. <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Other <input type="checkbox"/>			
<b>ADDITIONAL INFORMATION ABOUT THE BORE:</b> (Include any information which may assist for future reference)  <div style="font-size: 24px; text-align: center; margin-top: 20px;">MONITORING ONLY</div>			
<small>Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.</small>			
<small>I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.</small>			
<b>MARWS WEATHERALD</b> DL1010 Name and licence number of driller:		 Signature and licence number of licensed driller:    Date: 20 9 2017	
<b>FOR OFFICIAL USE ONLY</b>			
How Located:    GPS <input checked="" type="checkbox"/> TST <input type="checkbox"/> Survey <input type="checkbox"/> Hand Plotted <input type="checkbox"/> Other <input type="checkbox"/>			
<b>DESCRIPTION OF PROPERTY:</b> Rural <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Reserve <input checked="" type="checkbox"/> VCL <input type="checkbox"/> Other <input type="checkbox"/>			
Lease No.    Lot No: 5182    Hundred of: Portion No.    Section No.    Town of: DARWIN			
Class of Bore:    Town <input type="checkbox"/> Domestic <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Other <input type="checkbox"/>			
Use of Bore:    Production <input type="checkbox"/> Investigation <input type="checkbox"/> Irrigation <input type="checkbox"/> Observation <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Roads <input type="checkbox"/> None <input type="checkbox"/>			
Grid Reference:    AMG <input checked="" type="checkbox"/> Clark <input type="checkbox"/> Zone: 52    Scale:			
Easting: 701308    Latitude: Northing: 8627060    Longitude:    Map Name:			
Date Registered:    Bore Plotted on the map?    Yes <input type="checkbox"/> No <input type="checkbox"/>			
Dept Officer:    Signature:			
Remarks:			



S/R 0815



# STATEMENT OF BORE

Pursuant to section 53 of the Water Act and section 11 of the Water Regulations

Name of Owner: <u>Darwin airport Co. ec02</u>				Bore Registration No: <u>RN 41027</u>					
Street address: <u>Bagot Rd opposite Burnings up</u>				Bore Name:					
/NT Parcel: <u>against Airport Fence.</u>				BCP Permit No: <u>BCP</u>					
Coordinate of Bore:		GDA2020 <input type="checkbox"/>	GDA94 <input checked="" type="checkbox"/>	WGS84 <input type="checkbox"/>	Zone: 52 <input checked="" type="checkbox"/>	53 <input type="checkbox"/>	Easting: <u>701832</u> Latitude(DMS): Northing: <u>8628139</u> Longitude(DMS):		
From	To	Particulars of Strata		Name of Drilling Company: <u>Bores NT Pty Ltd</u>					
0	1	Top Soil		Name of Driller: <u>B. Burrows</u>					
1	3	laterite		Name of supervising driller:					
3	13	Weathered Brown & yellow Siltstone.		Date Commenced: <u>24-4-19</u>					
				Date Completed: <u>24-4-19</u>					
				Depth Drilled: <u>13</u> (m)					
				Completion Depth: <u>13</u> (m)					
<b>METHOD OF DRILLING</b> Auger <input type="checkbox"/> Rotary Air <input checked="" type="checkbox"/> Rotary Mud <input type="checkbox"/> Sonic <input type="checkbox"/> Other <input type="checkbox"/> Specify:									
<b>HOLE DIAMETER</b> From (m) To (m) Dia. (mm)									
0	1	200	Type: <u>Air</u>						
1	13	115	Type: <u>Air</u>						
<b>DRILLING FLUID</b> Type									
<b>PARTICULARS OF CASING</b> From (m) To (m) ID Dia (mm) Type				<b>PARTICULARS OF PERFORATIONS OR SCREEN STRINGS</b> From (m) To (m) ID Dia (mm) Aperture(mm) Type					
+0.7	0.5	158	steel	5	13	50	1mm	machine slotted	
+0.65	13	50	pvc						
Casing Suspended: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Method: <u>Sealed with end cap</u> Height of Casing above GL: <u>to 0.7</u> (m)				Top of Packer Set at: _____ (m) Length of Packer: _____ (m) Method of Packer Connection: _____					
<b>CEMENTING/GRAVEL PACKING</b> From (m) To (m) Type				<b>WATER BEARING BEDS</b> Depth Yield SWL Duration Quality EC pH Bottle From (m) To (m) (L/s) (m) (hrs) (μS/cm) (No.)					
0	1.5	Grout	10	13	0.1				
1.5	1.8	Bentonite Plug							
1.8	13	Gravel pack.							
Cumulative Yield:									
STRATA / WATER SAMPLES Have been <input type="checkbox"/> Will be <input type="checkbox"/> Left at:				Completion Yield: <u>0.1</u> (L/s) Method: <u>Air Lift</u> Duration (hrs): <u>1</u> Completion SWL from GL: <u>94.1</u> (m) Depth of Lift (m): <u>13</u>					

NOTE: No company advertising is to be imprinted on this certificate apart from where requested.



## SKETCH AND BRIEF DESCRIPTION OF THE BORE'S LOCATION

RN: 41027



## FINAL CONSTRUCTION STATUS

Constructed and Capped ☒ Decommissioned ☐ (Jump to 'Additional Information' to provide more Decommissioning Method details)

## THE TYPE OF BORE (Multiple Selection Acceptable)

Production Bore ☐ Investigation Bore ☐ Monitoring Bore ☒ Other ☐ Specify:

## THE PROPOSED USE OF PRODUCTION BORE (Optional and Multiple Selection Acceptable)

Agriculture ☐ Public Water Supply ☐ Cultural ☐ Rural Stock and Domestic ☐  
Aquaculture ☐ Environment ☒ Industry ☐ Mining ☐ Petroleum ☐Bore RN permanently displayed on completed bore? Yes ☒  
No ☐Surface Slab Completed? Yes ☐  
No ☒ NA

## ADDITIONAL INFORMATION ABOUT THE BORE: (Include any information which may assist for future reference)

Bores NT Pty Ltd Ph: 0411 631 195 E: waterbores1@bigpond.com

I hereby declare that the information provided in this application and accompanying documents is to the best of my knowledge, true and correct

Name and Licence# of Driller under supervision

Signature of Driller under supervision

Date: / /

B. Burton. 104

B. Burton. 104

Name and Licence# of Licensed Driller:

Signature of Licensed Driller:

Date: 24, 4, 19

Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.

## FOR OFFICIAL USE ONLY

How Located:

GPS ☒Survey ☐Other ☐Property  
Location:Section No: 5729  
Portion No:

Lot No:

LTO Code:

Town of:

Lease No:

Hundred of: BAGOT

Coordinate  
Location  
Verified:

Datum:

GDA94 ☒GDA2020 ☐

MGA Zone: 52

Easting: 701832

Latitude (DMS):

Index Map Number: 80/4977

Northing: 8628139

Longitude (DMS):

Date Registered:

Dept Officer:

Signature:

Remarks:

S/B 0815

LAIS KEY/ 055 05729

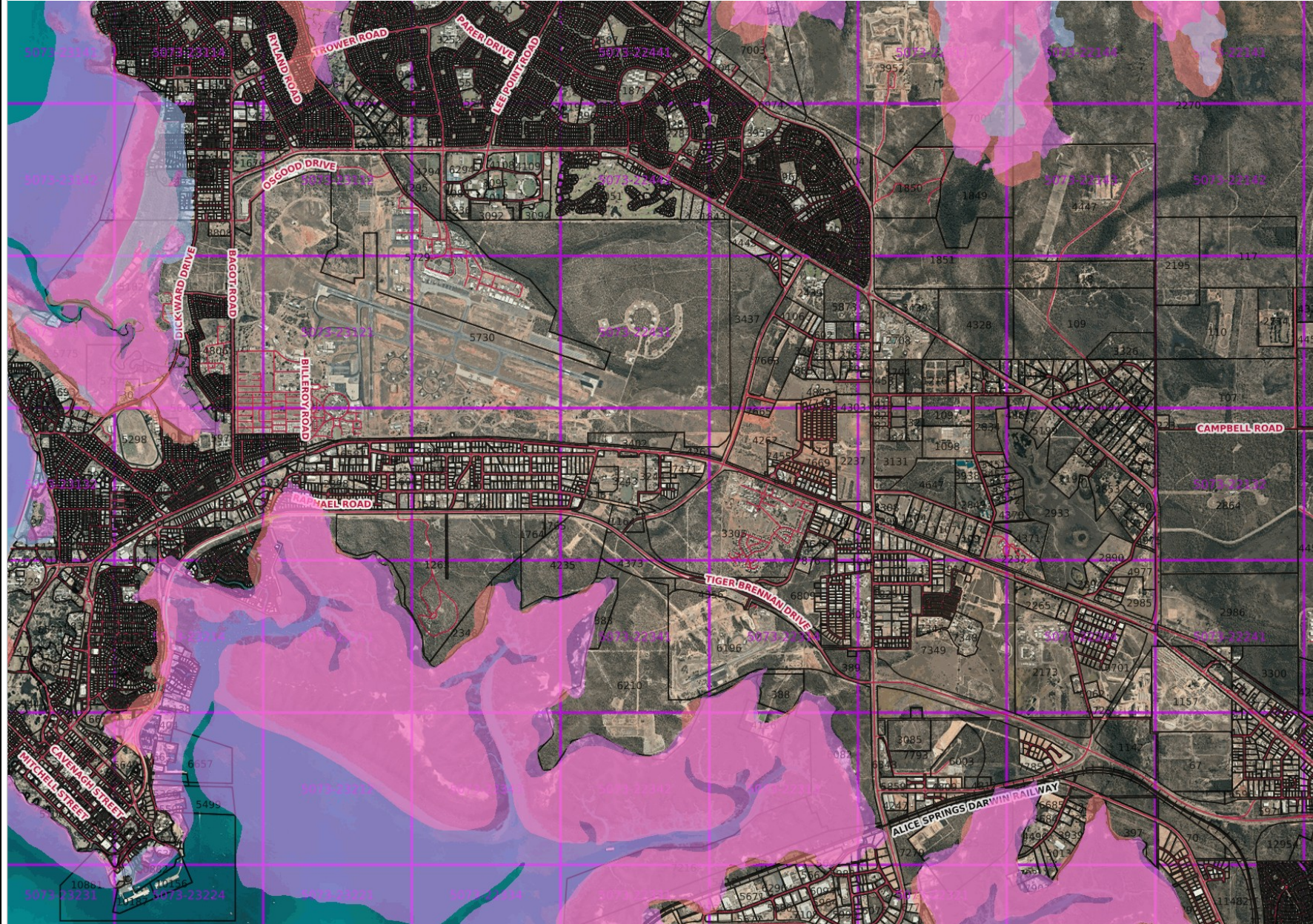
# Appendix E

## Acid Sulphate Soils Map



# NR MAPS

## 20 08 10 Acid Sulphate Soil Risk



### Legend

Darwin Region 50k - Acid Sulfate Soil Risk

- Low probability of occurrence
- High probability of occurrence

NT Coastline 250k - Acid Sulfate Soil Risk

- Low probability of occurrence
- High probability of occurrence

TOPO\_INDEX\_2500



Metres 1,000 2,000

[nrmaps.nt.gov.au](http://nrmaps.nt.gov.au)

Geospatial Services Branch



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Department of Environment  
and Natural Resources  
© Northern Territory Government



# Appendix F

## Historical Aerial Photographs and Satellite Imagery





Durand Court

Totem Road

Osgood Drive

8808 8808

Dick Ward Drive

Bagot Road

\*minmarama Park

Minmarama Park

Filzer Drive

Tudawali Street

Daniel's Street

© Northern Territory of Australia 1941





ur and Court

Totem Road

Osgood Drive

8808 8808

Dick Ward Drive

Bagot Road

\*minmarama park

Minmarama Park

Fitzer Drive

Tudawali Street

Danis Street

© Northern Territory of Australia 1944

12° 24.084' S 130° 50.885' E elev 88m

gery Date: 4/26/1944





Durand Court

Totem Road

Osgood Drive

8808 8808

Dick Ward Drive

Bagot Road

\*minmarama Park

Minmarama Park

Fitzler Drive

Tudawali Street

Daniel's Street











N 434

DARWIN O.P.M.

001-018  
RUN 3

2-11-77 <Z

U.T.

8100'  
A.S.L.

Keiron Aerial  
Surveys, Perth, W.A.

007





N.T. GOVERNMENT

13/6/90  
792m AMSL

RUN 11  
027-070

CST  
↑

DARWIN 1990  
1:5000

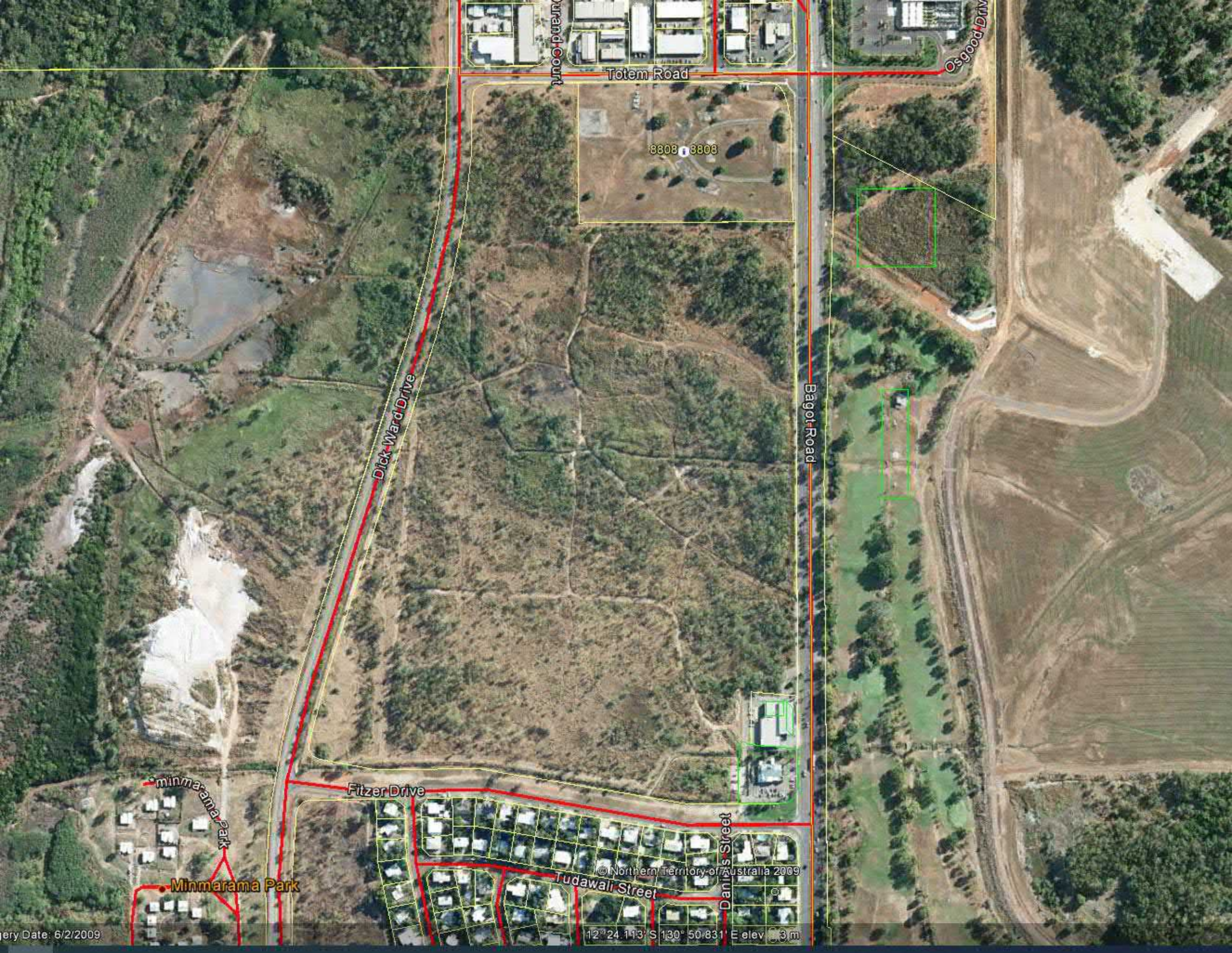
038

161129



1691









Durand Court

Totem Road

Osgood Drive

8808 8808

Dick Ward Drive

Bagot Road

Fitzer Drive

Minmarama Park

Minmarama Park

Tudawali Street

Dani's Street

© Northern Territory of Australia 2013

12° 24' 17.8" S 130° 50' 9.24" E elev 4 m

imagery Date: 4/12/2013





Durand Court

Totem Road

Osgood Drive

8808 8808

Dick Ward Drive

Bagot Road

Minmarama Park

Minmarama Park

Fitzler Drive

Tudawali Street

Daniel's Street

© Northern Territory of Australia 2018

12° 24' 109" S 130° 50' 868" E elev 3m





8808 8808

Dick Ward Drive

Bagot Road

Fitzer Drive

\*minmarama Park

Minmarama Park

Ludawall Street

Danils Street

© Northern Territory of Australia 2019

12° 24.156' S 130° 50.902' E elev 3m



# Appendix G

## Current and Historical Certificates of Title

Date Registered: 16/10/2018

Volume 829 Folio 478

Duplicate Certificate as to Title issued? No

## SEARCH CERTIFICATE

### CROWN LEASE IN PERPETUITY 00671

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

Registered Date	Dealing Number	Description
13/11/2015	859560	Previous title is <b>Volume 821 Folio 005</b> Overriding Statutory Charge City of Darwin - pursuant to Section 170 of the Local Government Act.
01/09/2015	855536	Caveat Citiland Corporation Pty Ltd
11/07/2008	677102	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
16/09/1996	360053	Statutory Notice - Prescribed Property
17/01/1996	345692	Under-lease to McDonalds Properties (Australia) P/L - part - expiring 6/7/2094 (345691)
17/01/1996	345691	Sub-lease to Vysrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date: 27th August, 1987**

**Expiring Date: In Perpetuity**

**Reservations:**

1. Reservation of right of entry and inspection.
2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.
3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.

**Duplicate Certificate as to Title issued? No**

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.

6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 16/10/2018  
**Duplicate Certificate as to Title issued?** No

**Volume 829 Folio 478**





NORTHERN TERRITORY OF AUSTRALIA

## Record of Administrative Interests and Information

### Record of Administrative Interests and Information

The information contained in this record of Administrative Interests only relates to the below parcel reference.

**Parcel Reference:** Lot 05182 Town of Darwin plan(s) S 77/093B

(See section 38 of the Land Title Act)

Note: The Record of Administrative Interests and Information is not part of the Land Register and is not guaranteed by the Northern Territory of Australia, and the NT Government accepts no Liability for any omission, misstatement or inaccuracy contained in this statement.

Registrar General

### Government Land Register

(none found)

### Custodian - Registrar General (+61 8 8999 6252)

#### Current Title

CUFT 829 478 (order 1)

#### Tenure Type

CROWN LEASE IN PERPETUITY 671

#### Tenure Status

Current

#### Area Under Title

3 square kilometres 1 hectares 6900 square metres

#### Owners

Gwalwa Daraniki Association Inc.  
c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

#### Easements

Water supply Easement to Power and Water Authority  
Access Easement to Northern Territory of Australia  
Drainage Easement to Northern Territory of Australia  
Sewerage Easement to Power and Water Authority  
Electricity supply Easement to Power and Water Authority  
Pedestrian Access Easement to Northern Territory of Australia  
Power line Easement to Power and Water Authority  
Electricity supply Easement to Power and Water Corporation

#### Scheme Name

(none found)



**Scheme Body Corporate Name**

(none found)

**Reserved Name(s)**

(none found)

**Unit Entitlements**

(none found)

**Transfers**

(none found)

**Tenure Comments**

(none found)

**Historic Titles**

CUFT 821 005 (order 1)

CUFT 812 452 (order 1)

CUFT 812 430 (order 1)

CUFT 727 022 (order 1)

CUFT 727 020 (order 1)

CUFT 727 018 (order 1)

CUFT 726 979 (order 1)

CUFT 720 207 (order 1)

CUFT 720 206 (order 1)

CUFT 454 100 (order 1)

CUCL 200 013 (order 1)

CUCL 159 042 (order 3)

CUCL 159 042 (order 2)

CUCL 159 042 (order 1)

Visit the website [http://www.nt.gov.au/justice/bdm/land\\_title\\_office/](http://www.nt.gov.au/justice/bdm/land_title_office/)

**Custodian - Surveyor General (+61 8 8995 5354)****Address**

213 DICK WARD DR, LUDMILLA

**Survey Plan**

S 77/093B

**Survey Status**

Approved

**Parcel Status**

CURRENT

**Parcel Area**

2 square kilometres, 19 hectares, 3000 square metres

**Map Reference**

Code 200 Scale 2500 Sheet 30.26

Code 200 Scale 2500 Sheet 29.25

Code 200 Scale 2500 Sheet 30.25

Code 200 Scale 2500 Sheet 29.26

**Parent Parcels**

(none found)



**Parcel Comments**

PART KULALUK LEASE.S77/93;PT.APPLIED FOR BY REDCO P/L FOR EAST HAVEN DEVELOPMENT S81/1035(2)/125. SUBLEASE OVER LOT 6469(A)VIDE S94/204. PROPOSED ROW EASEMENTS ADJACENT TO LOT 4940, VIDE PLAN S94/204. LOT 5746, SEWER PUMP STATION - S98/267. NATIVE TITLE DOES NOT EXIST ON THIS PARCEL (FEDERAL COURT DETERMINATION 17/5/2006) REF LI2009/36/135.

**Survey Comments**

(none found)

**Proposed Easements**

Right of Way to Private

**Local Government Area**

DARWIN MUNICIPALITY

**Region**

DARWIN

**Custodian - Valuer General (+61 8 8995 5375)****Owner's Last Known Address**

Gwalwa Daraniki Association Inc., C/- THE PUBLIC OFFICER LOT 8630 DICK WARD DRIVE, NIGHTCLIFF NT 0810

**Parcels in Valuation**

Lot 05182 Town of Darwin  
Lot 08630 Town of Nightcliff

**Unimproved Capital Value**

\$5,100,000 on 01/07/2020  
\$6,050,000 on 01/07/2017  
\$6,050,000 on 01/07/2014  
\$5,500,000 on 01/07/2011  
\$4,000,000 on 01/07/2008 for valuation unit A  
\$2,600,000 on 01/07/2005 for valuation unit A  
\$2,000,000 on 01/07/2002 for valuation unit A  
\$1,750,000 on 01/07/1999 for valuation unit A  
\$1,250,000 on 01/07/1996 for valuation unit A  
\$1,000,000 on 01/07/1993 for valuation unit A  
\$1,000,000 on 01/01/1991  
\$900,000 on 01/01/1988  
\$400,000 on 01/01/1985  
\$160,000 on 01/01/1982  
\$80,000 on 01/05/1979

**Valuation Improvements**

17/07/1997 Land  
17/07/1997 Land  
17/07/1997 Hostel  
01/08/1982 Land

**Custodian - Property Purchasing (+61 8 8999 6886)****Acquisitions**

(none found)



**Custodian - Building Advisory Service (+61 8 8999 8965)****Building Control Areas**

BBDAR001 - Building Control Area

DARWIN BUILDING AREA

**Building Permits****Application Number:**

26 of 30

**Description:**

Verandah addition to House '2' and Removal of Verandah &amp; New Verandah Addition to House '11'

**Number of Residential Units:****Australian Bureau of Statistics Type:**

(none found)

**Building Class:**

Non-habitable building

**Area:**

83 square metres

**Certification:**Non-habitable building - Occupancy Permit - *issued on 23/10/2019***Application Number:**

25 of 30

**Description:**

Re-Roof of Existing Residence (House 18)

**Number of Residential Units:**

1

**Australian Bureau of Statistics Type:**

Separate House

**Building Class:**

Single Dwelling

**Area:**

0 square metres

**Certification:**Single Dwelling - Occupancy Permit - *issued on 05/06/2019***Application Number:**

20 of 30

**Description:**

Extension to Drive Thru Servery for McDonalds

**Number of Residential Units:****Australian Bureau of Statistics Type:**

(none found)

**Building Class:**

Shop

**Area:**

4 square metres

**Certification:**Shop - Full Code - *issued on 21/10/2009***Application Number:**

18 of 30

**Description:**

Alterations &amp; Additions to Restaurant

**Number of Residential Units:****Australian Bureau of Statistics Type:**

(none found)

**Building Class:**

Shop

**Area:**

431 square metres

**Certification:**Shop - Full Code - *issued on 11/07/2006***Application Number:**

16 of 30

**Description:**

ALT/ADD HOUSE 2,3,7,8,9,10

**Number of Residential Units:**

0

**Australian Bureau of Statistics Type:**

Separate House

**Building Class:**

Single Dwelling

**Area:**

0 square metres

**Certification:**Single Dwelling - Full Code - *issued on 20/03/2003*

**Application Number:** 14 of 30  
**Description:** SHADE STRUCTURES (MCDONALDS)  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Non-habitable building  
**Area:** 96 square metres  
**Certification:** Non-habitable building - Full Code - *issued on 04/01/2001*

---

**Application Number:** 12 of 30  
**Description:** DELETE LOT 3 MIRROR IMAGE LOT 8  
**Number of Residential Units:** 6  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Single Dwelling  
**Area:** 778 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 24/05/1999*

---

**Application Number:** 11 of 30  
**Description:** ABLUTION ADD TO UNITS  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Flats or units of one to two storeys  
**Building Class:** Single Dwelling  
**Area:** 81 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 12/10/1995*

---

**Application Number:** 9 of 30  
**Description:** SHADE  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Non-habitable building  
**Area:** 34 square metres  
**Certification:** Non-habitable building - Full Code - *issued on 19/10/1994*

---

**Application Number:** 4 of 30  
**Description:** 10 HOUSES  
**Number of Residential Units:** 10  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** House  
**Area:** 1050 square metres  
**Certification:** House - Full Code - *issued on 14/12/1989*

---

**Application Number:** 1 of 30  
**Description:** CAMPING UNITS & ABLUTION BLOCKS  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Residential (other than 1 or 2)  
**Area:** Out building  
688 square metres  
0 square metres

**Certification:**

Residential (other than 1 or 2) - Full Code - *issued on 18/10/1988*  
Out building - Full Code - *issued on 18/10/1988*

Visit the website <http://www.nt.gov.au/building/>

**Custodian - Town Planning and Development Assessment Services (+61 8 8999 6046)****Planning Scheme Zone**

MZ (Multi Zone)

**Overlays:** The following overlays may apply to your land

- CR - Coastal Reclamation
- LPA - Land in Proximity to Airports
- CNV - Clearing of Native Vegetation
- DHD - Darwin Harbour Dredging
- LSSS - Land Subject to Storm Surge

Refer to the NT Planning Scheme 2020 for more information.

**Strategic Frameworks:** The following strategic frameworks may apply to your land

Regional Plans:

- Darwin Regional Land Use Plan

Sub Regional Plans:

- None

Area Plans:

- Darwin Mid Suburbs Area Plan

**Interim Development Control Orders**

(none found)

**Planning Notes**

(none found)

**Planning Applications****File Number**

PA2009/1225

**Type**

Investigation/Enforcement

**Date Received****Application Purpose**

Alleged unapproved storage of fill

**Application Status**

Completed

**Other Affected Parcels**

(none found)

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete





## Instrument Status

---

**File Number**

PA2014/0745

**Type**

Extension of Time

**Date Received**

06/03/2020

**Application Purpose**

Extension of Time - DP14/0831B

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

17/04/2020

**Instrument Number**

DP14/0831C

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2014/0410

**Type**

Extension of Time

**Date Received**

19/02/2019

**Application Purpose**

Extension of time to DP15/0078

**Application Status**

Approved

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed**

13/03/2019

**Instrument Number**

DP15/0078A

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2014/0745

**Type**

Extension of Time

**Date Received**

16/07/2018

**Application Purpose**

Subdivision to create six lots

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

24/08/2018

**Instrument Number**

DP14/0831B

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2015/0112

**Type**

Extension of Time

**Date Received**

06/06/2017

**Application Purpose**

Extension of time for a period of two years

**Application Status**

Approved

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed**

09/06/2017

**Instrument Number**

DP15/0308A

**Instrument Issued**

Signed



**Instrument Status**

Current

---

**File Number**

PA2014/0745

**Type**

Extension of Time

**Date Received**

27/10/2016

**Application Purpose**

Extend base period of permit for 2 years

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

01/11/2016

**Instrument Number**

DP14/0381A

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2015/0799

**Type**

Alteration

**Date Received**

02/11/2015

**Application Purpose**

Extensions to existing restaurant (drive-through additions)

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

27/11/2015

**Instrument Number**

AP15/0005

**Instrument Issued**

Signed





**Instrument Status**

Current

**File Number**

PA2014/0745

**Type**

Variation of Development Permit

**Date Received**

30/07/2015

**Application Purpose**

Subdivision of land

**Application Status**

Current

**Other Affected Parcels**

(none found)

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status****File Number**

PA2015/0112

**Type**

Subdivision

**Date Received**

17/02/2015

**Application Purpose**

Subdivision to create three (3) lots

**Application Status**

Approved

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed**

04/06/2015

**Instrument Number**

DP15/0308

**Instrument Issued**

Signed

**Instrument Status**

Current



**File Number**

PA2014/1037

**Type**

Subdivision

**Date Received**

07/01/2015

**Application Purpose**

Subdivision to create three (3) lots. Application re-exhibited as PA2015/0112. Please refer to both applications.

**Application Status**

Deferred

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

---

**File Number**

PA2014/0904

**Type**

Planning Scheme Amendment

**Date Received**

28/11/2014

**Application Purpose**

To alter Specific Use Zone Darwin 37 (SD37) to allow for a wider range of uses otherwise prohibited within SD37.

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Current

---

**File Number**

PA2014/0745



**Type**

Subdivision

**Date Received**

23/09/2014

**Application Purpose**

Subdivision to create 6 lots

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

04/12/2014

**Instrument Number**

DP14/0831

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2014/0410

**Type**

Development

**Date Received**

03/06/2014

**Application Purpose**

Filling of land (SD44) for future development

**Application Status**

Approved

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed**

12/02/2015

**Instrument Number**

DP15/0078

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2013/0919



**Type**

Subdivision

**Date Received**

13/01/2014

**Application Purpose**

Subdivision to create 6 lots

**Application Status**

Refused

**Other Affected Parcels**

(none found)

**Instrument Signed**

24/03/2014

**Instrument Number**

NR14/0006

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA2013/0220

**Type**

Planning Scheme Amendment

**Date Received**

04/04/2013

**Application Purpose**

Rezone from Zone CN (Conservation) to Zone LI (Light Industry)

**Application Status**

Approved

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Current

---

**File Number**

PA2013/0170

**Type**

Exceptional Development



**Date Received**

18/03/2013

**Application Purpose**

Operational stockpile of fill

**Application Status**

Refused

**Other Affected Parcels**

(none found)

**Instrument Signed**

15/05/2014

**Instrument Number**

NR14/0009

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA2007/0121

**Type**

Planning Scheme Amendment

**Date Received**

22/04/2010

**Application Purpose**

Rezone from Zones RD (Restricted Development) and CL (Community Living) to three distinct Specific Use zones.  
- Altered and approved as: "Rezone part Lot 5182 from Zone RD (Restricted Development) to Zone SD37 (Specific Use Zone Darwin No. 37)."

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Current

---

**File Number**

PA2008/0863

**Type**

Alteration



**Date Received**

26/11/2008

**Application Purpose**

Extension to existing drive through servery

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

16/12/2008

**Instrument Number**

AP08/002

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2008/0267

**Type**

Planning Scheme Amendment

**Date Received**

29/02/2008

**Application Purpose**

Rezone from CN to LI

**Application Status**

Refused

**Other Affected Parcels**

Lot 08630 Town of Nightcliff

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Completed

---

**File Number**

PA1993/0462

**Type**

Variation of Development Permit

**Date Received**

06/04/2005





**Application Purpose**

enclosure of front verandah and alterations to internal layout

**Application Status**

Approved

**Other Affected Parcels**

Administrative Lot 06469 Town of Darwin

**Instrument Signed**

20/05/2005

**Instrument Number**

DP94/0330C

**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2003/0824

**Type**

Exceptional Development

**Date Received**

28/11/2003

**Application Purpose**

AQUACULTURE - mud crab farm

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

08/03/2006

**Instrument Number**

EDP05/0011

**Instrument Issued**

Signed

**Instrument Status**

---

**File Number**

PA1993/0462

**Type**

Variation of Development Permit

**Date Received**

30/10/2000

**Application Purpose**

REPLACE SHADE STRUCTURE PLAYGROUND & ADD 2 OVER DRIVE THRU

**Application Status**

Approved

**Other Affected Parcels**

Administrative Lot 06469 Town of Darwin

**Instrument Signed**

06/11/2000

**Instrument Number**

DP94/0330B

**Instrument Issued**

Signed

**Instrument Status**

---

**File Number**

PA1996/1131

**Type**

Variation of Development Permit

**Date Received**

10/02/1998

**Application Purpose**

SHED & COVERED WORK AREA

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

15/04/1998

**Instrument Number**

DP97/0077A

**Instrument Issued**

Signed

**Instrument Status**

Expired

---

**File Number**

PA1993/0462

**Type**

Variation of Development Permit

**Date Received**

16/01/1995

**Application Purpose**

LANDSCAPING REQUIREMENTS

**Application Status**

Approved

**Other Affected Parcels**

Administrative Lot 06469 Town of Darwin

**Instrument Signed**

23/01/1995

**Instrument Number**

DP94/0330A

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA1993/0462

**Type**

Variation of Development Permit

**Date Received**

25/10/1994

**Application Purpose**

DELETION OF ACCESS LINK

**Application Status**

Approved

**Other Affected Parcels**

Administrative Lot 06469 Town of Darwin

**Instrument Signed**

18/11/1994

**Instrument Number**

DP94/0330

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA1993/0462

**Type**

Variation of Development Permit

**Date Received**

06/10/1994

**Application Purpose**

TO SITE 1.5M CLOSER TO FITZER DRIVE

**Application Status**

Approved

**Other Affected Parcels**

Administrative Lot 06469 Town of Darwin

**Instrument Signed**

07/10/1994

**Instrument Number**

DP94/0271

**Instrument Issued**

Signed

**Instrument Status**

---

**File Number**

PA1994/0100

**Type**

Subdivision

**Date Received**

12/04/1994

**Application Purpose**

TO CREATE TWO LOTS ON BEHALF OF VYSROSE PTY LTD

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

13/05/1994

**Instrument Number**

S 2636

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA1994/0100

**Type**

Subdivision

**Date Received**

27/01/1994





**Application Purpose**

TO CREATE TWO LOTS ON BEHALF OF VYSROSE PTY LTD

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

29/03/1994

**Instrument Number**

S 2618

**Instrument Issued**

Signed

**Instrument Status**

---

**File Number**

PA1993/0462

**Type**

Development

**Date Received**

20/08/1993

**Application Purpose**

RESTAURANT

**Application Status**

Approved

**Other Affected Parcels**

Administrative Lot 06469 Town of Darwin

**Instrument Signed**

26/10/1993

**Instrument Number**

DV5098

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA1992/0065

**Type**

Development

**Date Received**

19/02/1992



**Application Purpose**

RESTAURANT,CHEMIST & VIDEO SHOP BEING HANDLED BY ANDY MCCRACKEN BUILDING CONSULTANTS  
\*PART OF LOT ONLY\*

**Application Status**

Refused

**Other Affected Parcels**

(none found)

**Instrument Signed**

16/04/1992

**Instrument Number**

DV4516

**Instrument Issued**

Signed

**Instrument Status**

Completed

---

**File Number**

PA1982/0413

**Type**

Subdivision

**Date Received**

20/08/1982

**Application Purpose**

CREATE 1 LOT

**Application Status**

Approved

**Other Affected Parcels**

Lot 03712 Town of Darwin  
Lot 03724 Town of Darwin  
Lot 03725 Town of Darwin  
Lot 03727 Town of Darwin  
Lot 04954 Town of Darwin

**Instrument Signed**

10/01/1983

**Instrument Number**

S 0493

**Instrument Issued**

Signed

**Instrument Status**

Expired

**Custodian - Power and Water Corporation (1800 245 092)**

**Meters on Parcel**

Power Water - Electricity	30
Power Water - Water	2

For Account balances, contact the Power and Water Corporation.

**Custodian - Pool Fencing Unit (+61 8 8924 3641)**

**Swimming Pool/Spa Status**

(none found)

For more information, contact the Pool Fencing Unit (+61 8 8924 3641).

**Custodian - Mines and Energy (+61 8 8999 5322)**

For information on possible Mineral Titles or Petroleum Titles, contact Mines and Energy or visit the website <http://strike.nt.gov.au>

**Custodian - NT Environment Protection Authority (+61 8 8924 4218)**

**Results of site contamination assessment**

(none found)

For further information contact Environment Protection Authority or visit the website <https://ntepa.nt.gov.au/your-business/public-registers/contaminated-land-audits>

**Custodian - Heritage Branch (+61 8 8999 5039)**

**Heritage Listing:**

(none found)

For further information on heritage places contact Heritage Branch or visit the website <https://nt.gov.au/property/land/heritage-register-search-for-places-or-objects>

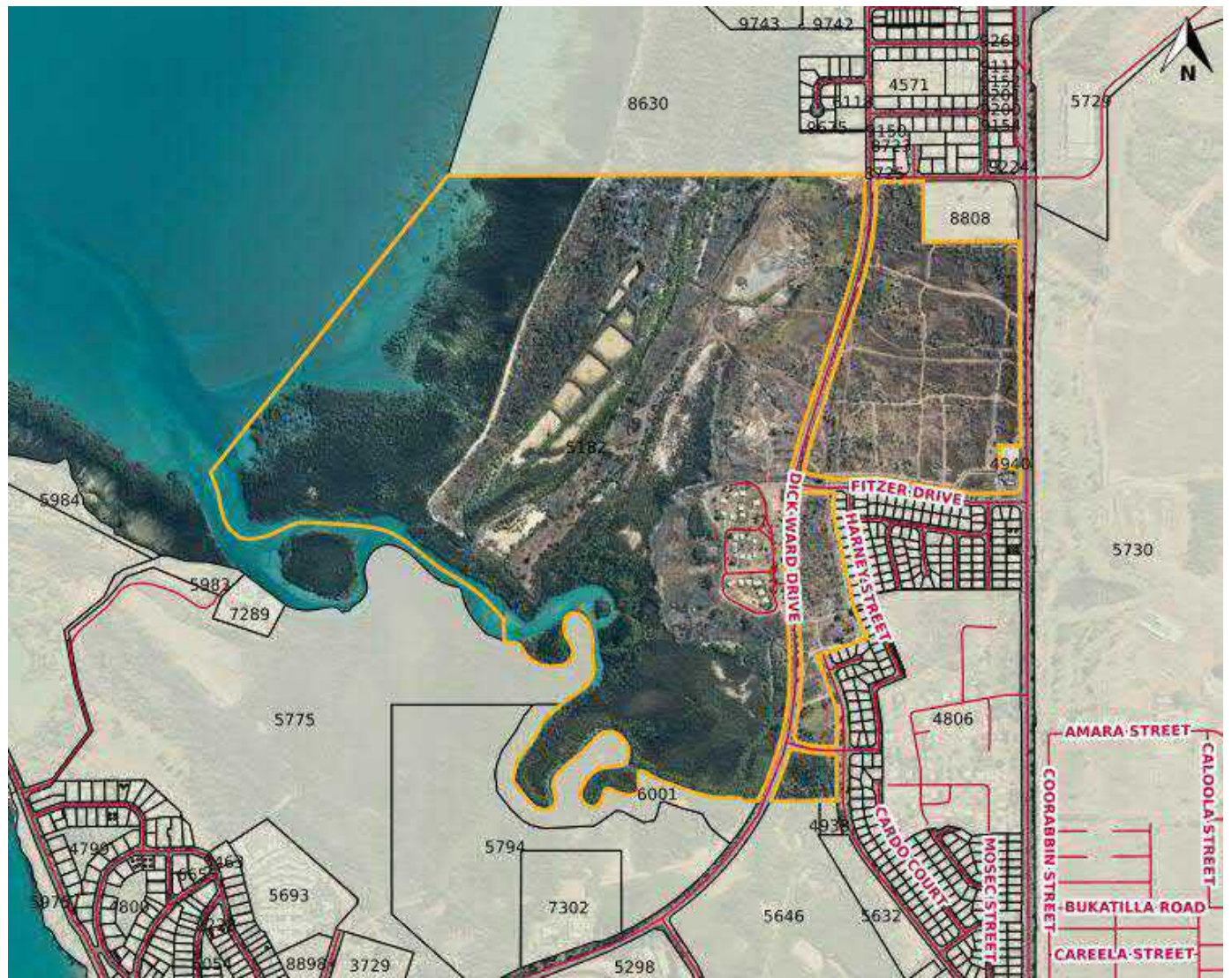
**Other Interests**

For Account balances, contact Darwin City Council

Storm Surge: This lot is within a primary surge zone. For more information contact Lands Planning on 8999 8963.

Storm Surge: This lot is within a secondary surge zone. For more information contact Lands Planning on 8999 8963.









NORTHERN TERRITORY OF AUSTRALIA

## Record of Administrative Interests and Information

### Record of Administrative Interests and Information

The information contained in this record of Administrative Interests only relates to the below parcel reference.

**Parcel Reference:** Lot 08630 Town of Nightcliff plan(s) S 77/093A

(See section 38 of the Land Title Act)

Note: The Record of Administrative Interests and Information is not part of the Land Register and is not guaranteed by the Northern Territory of Australia, and the NT Government accepts no Liability for any omission, misstatement or inaccuracy contained in this statement.

Registrar General

### Government Land Register

(none found)

### Custodian - Registrar General (+61 8 8999 6252)

#### Current Title

CUFT 829 478 (order 1)

#### Tenure Type

CROWN LEASE IN PERPETUITY 671

#### Tenure Status

Current

#### Area Under Title

3 square kilometres 1 hectares 6900 square metres

#### Owners

Gwalwa Daraniki Association Inc.

c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

#### Easements

Water supply Easement to Power and Water Authority  
Access Easement to Northern Territory of Australia  
Drainage Easement to Northern Territory of Australia  
Sewerage Easement to Power and Water Authority  
Electricity supply Easement to Power and Water Authority  
Pedestrian Access Easement to Northern Territory of Australia  
Power line Easement to Power and Water Authority  
Electricity supply Easement to Power and Water Corporation

#### Scheme Name

(none found)



**Scheme Body Corporate Name**

(none found)

**Reserved Name(s)**

(none found)

**Unit Entitlements**

(none found)

**Transfers**

(none found)

**Tenure Comments**

(none found)

**Historic Titles**

CUFT 821 005 (order 1)

CUFT 812 452 (order 1)

CUFT 812 430 (order 1)

CUFT 727 022 (order 1)

CUFT 727 020 (order 1)

CUFT 727 018 (order 1)

CUFT 726 979 (order 1)

CUFT 720 207 (order 1)

CUFT 720 206 (order 1)

CUFT 454 100 (order 1)

CUCL 200 013 (order 1)

CUCL 159 042 (order 3)

CUCL 159 042 (order 2)

CUCL 159 042 (order 1)

Visit the website [http://www.nt.gov.au/justice/bdm/land\\_title\\_office/](http://www.nt.gov.au/justice/bdm/land_title_office/)

**Custodian - Surveyor General (+61 8 8995 5354)****Address**

95 DICK WARD DR, COCONUT GROVE

**Survey Plan**

S 77/093A

**Survey Status**

Approved

**Parcel Status**

CURRENT

**Parcel Area**

82 hectares, 3900 square metres

**Map Reference**

Code 200 Scale 2500 Sheet 29.26

Code 200 Scale 2500 Sheet 30.27

Code 200 Scale 2500 Sheet 30.26

**Parent Parcels**

(none found)



**Parcel Comments**

PART OF KULALUK. RESURVEY TO DIMINISH AREA S77/93. PROP TO CLOSE ADJ ROAD, NTG 5/7/89, S91/205. PT ADJ RD CLOSED NTG G43 30/10/91. WITHIN RESTRICTED AREA UNDER LIQUOR ACT NTG S27 14/9/2007. NATIVE TITLE DOES NOT EXIST ON THIS PARCEL (FEDERAL COURT DETERMINATION 17/5/2006) REF LI2009/36/135. PROVISIONAL DECLARATION OF HERITAGE PLACE, NTG G9 LI2012/0021~0005. REVOCATION OF PROVISIONAL DECLARATION OF HERITAGE PLACE NTG S39 4/5/2016.

**Survey Comments**

(none found)

**Proposed Easements**

(none found)

**Local Government Area**

DARWIN MUNICIPALITY

**Region**

DARWIN

**Custodian - Valuer General (+61 8 8995 5375)****Owner's Last Known Address**

Gwalwa Daraniki Association Inc., C/- THE PUBLIC OFFICER LOT 8630 DICK WARD DRIVE, NIGHTCLIFF NT 0810

**Parcels in Valuation**

Lot 05182 Town of Darwin

Lot 08630 Town of Nightcliff

**Unimproved Capital Value**

\$5,100,000 on 01/07/2020

\$6,050,000 on 01/07/2017

\$6,050,000 on 01/07/2014

\$5,500,000 on 01/07/2011

\$4,000,000 on 01/07/2008

\$2,600,000 on 01/07/2005

\$2,000,000 on 01/07/2002

\$1,750,000 on 01/07/1999

\$1,250,000 on 01/07/1996

\$1,000,000 on 01/07/1993

\$1,000,000 on 01/01/1991

\$900,000 on 01/01/1988

\$400,000 on 01/01/1985

\$160,000 on 01/01/1982

\$80,000 on 01/05/1979

**Valuation Improvements**

17/07/1997 Land

01/08/1982 Land

**Custodian - Property Purchasing (+61 8 8999 6886)****Acquisitions**

Acquisition proposal exists, contact Property Purchasing for details.



**Custodian - Building Advisory Service (+61 8 8999 8965)****Building Control Areas**

BBDAR001 - Building Control Area

DARWIN BUILDING AREA

**Building Permits**

**Application Number:** 34 of 34  
**Description:** Shade Frame & Footings (Excludes Shade Cloth)  
**Number of Residential Units:**  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Structure (Fence, Mast)  
**Area:** 60 square metres  
**Certification:** Structure (Fence, Mast) - Occupancy Permit - *issued on 19/11/2018*

**Application Number:** 33 of 34  
**Description:** Covered walkway  
**Number of Residential Units:**  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Non-habitable building  
**Area:** 7 square metres  
**Certification:** Non-habitable building - Full Code - *issued on 26/02/2015*

**Application Number:** 31 of 34  
**Description:** Upgrade of fire safety services & compartmentation  
**Number of Residential Units:**  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Residential (other than 1 or 2)  
Health care building  
**Area:** (none found)  
**Certification:** Residential (other than 1 or 2) - Full Code - *issued on 08/12/2008*  
Health care building - Full Code - *issued on 08/12/2008*

**Application Number:** 30 of 34  
**Description:** Reissue of lapsed permit laundry upgrade  
**Number of Residential Units:**  
**Australian Bureau of Statistics Type:** Flats or units of one to two storeys  
**Building Class:** Residential (other than 1 or 2)  
**Area:** 5 square metres  
**Certification:** Residential (other than 1 or 2) - Full Code - *issued on 05/05/2004*

**Application Number:** 29 of 34  
**Description:** ADDITIONS TO HOUSE 8  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Single Dwelling  
**Area:** 0 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 18/03/2003*



**Application Number:** 28 of 34  
**Description:** ADDITIONS - HOUSE 3  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Single Dwelling  
**Area:** 0 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 18/03/2003*

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**Application Number:** 27 of 34  
**Description:** BATHROOM RENO - HOUSE 2  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Single Dwelling  
**Area:** 0 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 18/03/2003*

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**Application Number:** 26 of 34  
**Description:** BATHROOM RENO - HOUSE 1  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Single Dwelling  
**Area:** 0 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 18/03/2003*

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**Application Number:** 25 of 34  
**Description:** BATHROOM RENO - HOUSE 11  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Single Dwelling  
**Area:** 0 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 18/03/2003*

---

**Application Number:** 24 of 34  
**Description:** JUNINGA CENTER ALT TO KITCHEN  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Boarding House  
**Area:** 0 square metres  
**Certification:** Boarding House - Full Code - *issued on 07/03/2002*

---

**Application Number:** 22 of 34  
**Description:** SHADE SAIL AT RETIREMENT VILLAGE  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Structure (Fence, Mast)  
**Area:** 60 square metres  
**Certification:** Structure (Fence, Mast) - Full Code - *issued on 19/03/2001*

---

**Application Number:** 21 of 34  
**Description:** BASKET BALL COURT  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Non-habitable building  
**Area:** 15 square metres  
**Certification:** Non-habitable building - Full Code - *issued on 23/12/1997*

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**Application Number:** 20 of 34  
**Description:** BEDSITTER ACCOMODATION UNITS  
**Number of Residential Units:** 3  
**Australian Bureau of Statistics Type:** Separate House  
**Building Class:** Boarding House  
**Area:** 150 square metres  
**Certification:** Boarding House - Full Code - *issued on 01/07/1997*

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**Application Number:** 18 of 34  
**Description:** ACCOMMODATION  
**Number of Residential Units:** 6  
**Australian Bureau of Statistics Type:** Flats or units of one to two storeys  
**Building Class:** Flat(s)  
**Area:** 300 square metres  
**Certification:** Flat(s) - Full Code - *issued on 27/10/1996*

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**Application Number:** 17 of 34  
**Description:** HOUSE  
**Number of Residential Units:** 1  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Single Dwelling  
**Area:** 0 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 15/11/1994*

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**Application Number:** 16 of 34  
**Description:** HOUSE  
**Number of Residential Units:** 1  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Single Dwelling  
**Area:** 195 square metres  
**Certification:** Single Dwelling - Full Code - *issued on 18/02/1994*

---

**Application Number:** 15 of 34  
**Description:** NURSING HOME  
**Number of Residential Units:** 0  
**Australian Bureau of Statistics Type:** (none found)  
**Building Class:** Public  
**Area:** 660 square metres



<b>Certification:</b>	Public - Full Code - <i>issued on 17/11/1993</i>
<b>Application Number:</b>	12 of 34
<b>Description:</b>	ADD TO HOUSE PERMIT NO 10
<b>Number of Residential Units:</b>	0
<b>Australian Bureau of Statistics Type:</b>	(none found)
<b>Building Class:</b>	House
<b>Area:</b>	30 square metres
<b>Certification:</b>	House - Full Code - <i>issued on 31/01/1989</i>
<b>Application Number:</b>	11 of 34
<b>Description:</b>	HOUSE
<b>Number of Residential Units:</b>	0
<b>Australian Bureau of Statistics Type:</b>	(none found)
<b>Building Class:</b>	House
<b>Area:</b>	100 square metres
<b>Certification:</b>	House - Full Code - <i>issued on 24/10/1988</i>
<b>Application Number:</b>	10 of 34
<b>Description:</b>	RESIDENTIAL
<b>Number of Residential Units:</b>	0
<b>Australian Bureau of Statistics Type:</b>	(none found)
<b>Building Class:</b>	House
<b>Area:</b>	950 square metres
<b>Certification:</b>	House - Full Code - <i>issued on 31/01/1989</i>
<b>Application Number:</b>	8 of 34
<b>Description:</b>	HOUSE
<b>Number of Residential Units:</b>	0
<b>Australian Bureau of Statistics Type:</b>	(none found)
<b>Building Class:</b>	House
<b>Area:</b>	88 square metres
<b>Certification:</b>	House - Full Code - <i>issued on 08/08/1988</i>
<b>Application Number:</b>	7 of 34
<b>Description:</b>	HOSTEL
<b>Number of Residential Units:</b>	0
<b>Australian Bureau of Statistics Type:</b>	(none found)
<b>Building Class:</b>	Residential (other than 1 or 2)
<b>Area:</b>	820 square metres
<b>Certification:</b>	Residential (other than 1 or 2) - Full Code - <i>issued on 25/11/1988</i>
<b>Application Number:</b>	3 of 34
<b>Description:</b>	HOUSES 4 OFF
<b>Number of Residential Units:</b>	4
<b>Australian Bureau of Statistics Type:</b>	(none found)

**Building Class:** House  
**Area:** 311 square metres  
**Certification:** House - Full Code - *issued on 27/11/1986*

Visit the website <http://www.nt.gov.au/building/>

## **Custodian - Town Planning and Development Assessment Services (+61 8 8999 6046)**

### **Planning Scheme Zone**

MZ (Multi Zone)

**Overlays:** The following overlays may apply to your land

- CR - Coastal Reclamation
- LPA - Land in Proximity to Airports
- CNV - Clearing of Native Vegetation
- DHD - Darwin Harbour Dredging
- LSSS - Land Subject to Storm Surge

Refer to the NT Planning Scheme 2020 for more information.

**Strategic Frameworks:** The following strategic frameworks may apply to your land

Regional Plans:

- Darwin Regional Land Use Plan

Sub Regional Plans:

- None

Area Plans:

- Darwin Mid Suburbs Area Plan

### **Interim Development Control Orders**

(none found)

### **Planning Notes**

(none found)

### **Planning Applications**

#### **File Number**

PA2014/0410

#### **Type**

Extension of Time

#### **Date Received**

19/02/2019

#### **Application Purpose**

Extension of time to DP15/0078

#### **Application Status**

Approved

#### **Other Affected Parcels**

Lot 05182 Town of Darwin

#### **Instrument Signed**

13/03/2019

#### **Instrument Number**

DP15/0078A





**Instrument Issued**

Signed

**Instrument Status**

Current

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**File Number**

PA2015/0112

**Type**

Extension of Time

**Date Received**

06/06/2017

**Application Purpose**

Extension of time for a period of two years

**Application Status**

Approved

**Other Affected Parcels**

Lot 05182 Town of Darwin

**Instrument Signed**

09/06/2017

**Instrument Number**

DP15/0308A

**Instrument Issued**

Signed

**Instrument Status**

Current

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**File Number**

PA2015/0112

**Type**

Subdivision

**Date Received**

17/02/2015

**Application Purpose**

Subdivision to create three (3) lots

**Application Status**

Approved

**Other Affected Parcels**

Lot 05182 Town of Darwin

**Instrument Signed**

04/06/2015

**Instrument Number**

DP15/0308



**Instrument Issued**

Signed

**Instrument Status**

Current

---

**File Number**

PA2014/1037

**Type**

Subdivision

**Date Received**

07/01/2015

**Application Purpose**

Subdivision to create three (3) lots. Application re-exhibited as PA2015/0112. Please refer to both applications.

**Application Status**

Deferred

**Other Affected Parcels**

Lot 05182 Town of Darwin

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

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**File Number**

PA2014/0999

**Type**

Alteration

**Date Received**

05/12/2014

**Application Purpose**

Alteration to deemed permit to allow a verandah addition to an existing supporting accommodation facility

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

09/12/2014

**Instrument Number**

AP14/0007

**Instrument Issued**

Signed

**Instrument Status**

Current

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**File Number**

PA2014/0410

**Type**

Development

**Date Received**

03/06/2014

**Application Purpose**

Filling of land (SD44) for future development

**Application Status**

Approved

**Other Affected Parcels**

Lot 05182 Town of Darwin

**Instrument Signed**

12/02/2015

**Instrument Number**

DP15/0078

**Instrument Issued**

Signed

**Instrument Status**

Current

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**File Number**

PA2013/0220

**Type**

Planning Scheme Amendment

**Date Received**

04/04/2013

**Application Purpose**

Rezone from Zone CN (Conservation) to Zone LI (Light Industry)

**Application Status**

Approved

**Other Affected Parcels**

Lot 05182 Town of Darwin

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Current

**File Number**

PA2008/0267

**Type**

Planning Scheme Amendment

**Date Received**

29/02/2008

**Application Purpose**

Rezone from CN to LI

**Application Status**

Refused

**Other Affected Parcels**

Lot 05182 Town of Darwin

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Completed

**File Number**

PA1996/0784

**Type**

Development

**Date Received**

03/09/1996

**Application Purpose**

NON CONFORMING USE CLUSTER DWELLINGS EX DATES6/9/96-20/9/96

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

31/10/1996

**Instrument Number**

CEU96/0006

**Instrument Issued**

Signed

**Instrument Status****File Number**

PA1996/0277





**Type**

Development

**Date Received**

25/03/1996

**Application Purpose**

NON-CONFORMING USE EXHIBITION DATES 29/3/96-12/4/96

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed**

17/05/1996

**Instrument Number**

CEU96/0003

**Instrument Issued**

Signed

**Instrument Status**

Completed

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**File Number**

PA1995/1052

**Type**

Compliance Check

**Date Received**

21/12/1995

**Application Purpose**

ACCOMODATION UNITS

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Completed

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**File Number**

PA1992/0408

**Type**

Compliance Check



**Date Received**

09/09/1992

**Application Purpose**

JUNINGA NURSING HOME

**Application Status**

Approved

**Other Affected Parcels**

(none found)

**Instrument Signed****Instrument Number****Instrument Issued**

Not Complete

**Instrument Status**

Completed

**Custodian - Power and Water Corporation (1800 245 092)****Meters on Parcel**

Power Water - Electricity	24
Power Water - Water	3

For Account balances, contact the Power and Water Corporation.

**Custodian - Pool Fencing Unit (+61 8 8924 3641)****Swimming Pool/Spa Status**

Present on property

For more information, contact the Pool Fencing Unit (+61 8 8924 3641).

**Custodian - Mines and Energy (+61 8 8999 5322)**

For information on possible Mineral Titles or Petroleum Titles, contact Mines and Energy or visit the website <http://strike.nt.gov.au>

**Custodian - NT Environment Protection Authority (+61 8 8924 4218)****Results of site contamination assessment**

(none found)

For further information contact Environment Protection Authority or visit the website <https://ntepa.nt.gov.au/your-business/public-registers/contaminated-land-audits>



**Custodian - Heritage Branch (+61 8 8999 5039)**

**Heritage Listing:**  
(none found)

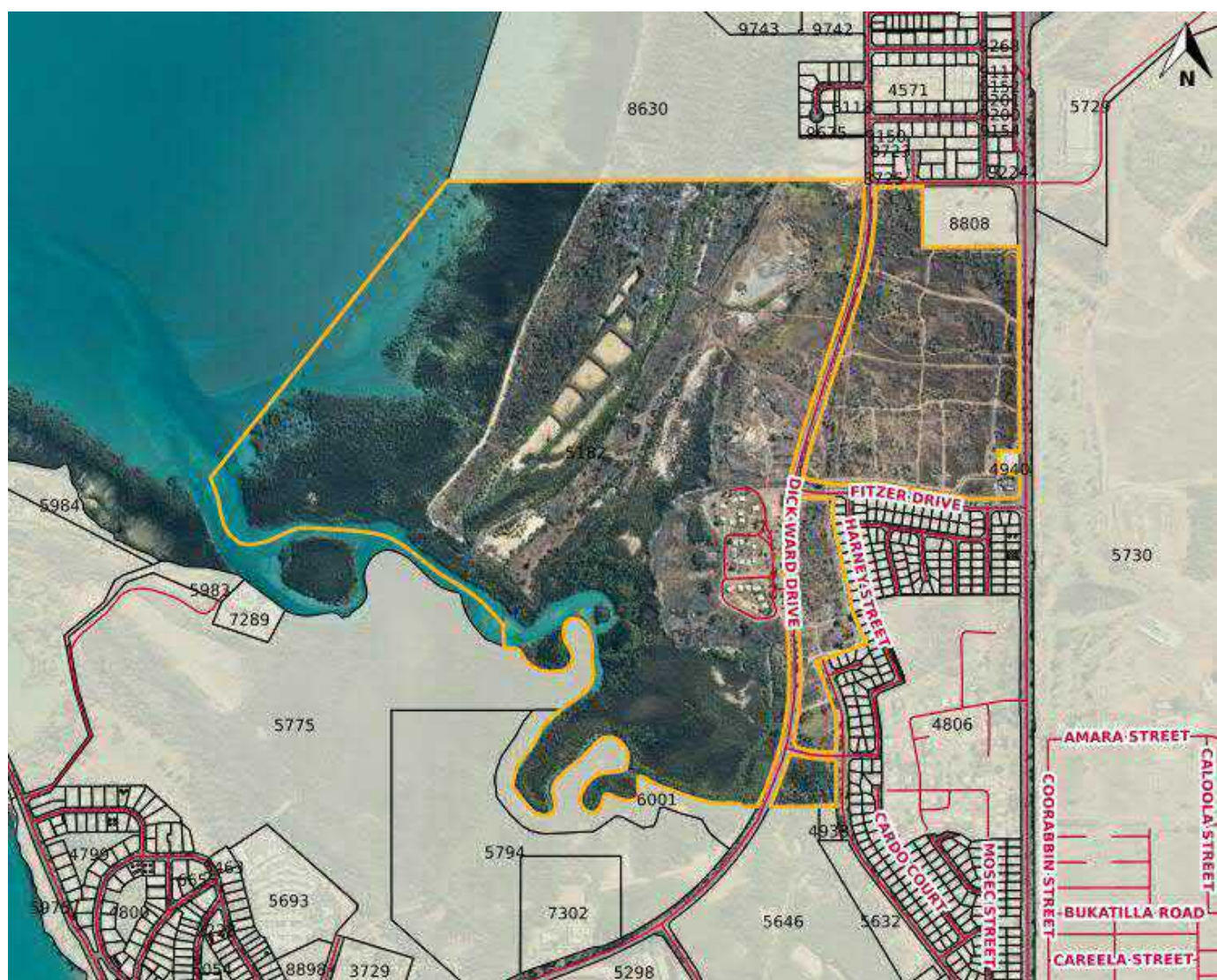
For further information on heritage places contact Heritage Branch or visit the website  
<https://nt.gov.au/property/land/heritage-register-search-for-places-or-objects>

### Other Interests

For Account balances, contact Darwin City Council

Storm Surge: This lot is within a primary surge zone. For more information contact Lands Planning on 8999 8963.

Storm Surge: This lot is within a secondary surge zone. For more information contact Lands Planning on 8999 8963.



**Date Registered:** 31/08/2017

**Volume 821 Folio 005**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 812 Folio 452</b>
16/10/2018	910012	Request to withdraw Caveat (694568)
13/11/2015	859560	Overriding Statutory Charge City of Darwin - pursuant to Section 170 of the Local Government Act.
01/09/2015	855536	Caveat Citiland Corporation Pty Ltd
09/03/2009	694568	Caveat Gwelo Investments Pty Ltd
11/07/2008	677102	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
16/09/1996	360053	Statutory Notice - Prescribed Property
17/01/1996	345692	Under-lease to McDonalds Properties (Australia) P/L - part - expiring 6/7/2094 (345691)
17/01/1996	345691	Sub-lease to Vysrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.



**Duplicate Certificate as to Title issued? No  
Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.
2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;
3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.
4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.
2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.
3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.
4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.
5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.
6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 21/07/2016

**Volume 812 Folio 452**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 812 Folio 430</b>
31/08/2017	892373	Withdrawal of Lapsing Caveat (871757) as a result of a Request to remove/cancel Caveat (892000)
23/08/2017	892000	Request to remove/cancel Caveat (871757)
05/10/2016	876452	Notice of commencement of proceedings by the Caveator (871757)
06/07/2016	871757	Lapsing Caveat ECPH Pty Ltd - Part - expiring 06/10/2016
13/11/2015	859560	Overriding Statutory Charge City of Darwin - pursuant to Section 170 of the Local Government Act.
01/09/2015	855536	Caveat Citiland Corporation Pty Ltd
09/03/2009	694568	Caveat Gwelo Investments Pty Ltd
11/07/2008	677102	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
16/09/1996	360053	Statutory Notice - Prescribed Property
17/01/1996	345692	Under-lease to McDonalds Properties (Australia) P/L - part - expiring 6/7/2094 (345691)
17/01/1996	345691	Sub-lease to Vysrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

**Duplicate Certificate as to Title issued? No**

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.

6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 21/07/2016

**Volume 812 Folio 430**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

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of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 727 Folio 022</b>
21/07/2016	872644	Correction to Register
06/07/2016	871757	Lapsing Caveat ECPH Pty Ltd - Part - expiring 06/10/2016
13/11/2015	859560	Overriding Statutory Charge City of Darwin - pursuant to Section 170 of the Local Government Act.
01/09/2015	855536	Caveat Citiland Corporation Pty Ltd
09/03/2009	694568	Caveat Gwelo Investments Pty Ltd
11/07/2008	677102	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
16/09/1996	360053	Statutory Notice - Prescribed Property
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094 (345691)
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.



**Duplicate Certificate as to Title issued? No**

3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.
2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;
3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.
4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.
2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.
3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.
4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.
5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.
6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 11/07/2008

**Volume 727 Folio 022**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 727 Folio 020</b>
21/07/2016	872575	Correction to Register - Under-lease 345692
06/07/2016	871757	Lapsing Caveat ECPH Pty Ltd - Part - expiring 06/10/2016
13/11/2015	859560	Overriding Statutory Charge City of Darwin - pursuant to Section 170 of the Local Government Act.
01/09/2015	855536	Caveat Citiland Corporation Pty Ltd
01/09/2015	855535	Request to withdraw Caveat (347476)
09/03/2009	694568	Caveat Gwelo Investments Pty Ltd
11/07/2008	677102	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Citiland Corporation Pty Ltd - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

**Duplicate Certificate as to Title issued? No**

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.

6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 11/07/2008

**Volume 727 Folio 020**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 727 Folio 018</b>
11/07/2008	677102	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Citiland Corporation Pty Ltd - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Provision:**



**Duplicate Certificate as to Title issued? No**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.
2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;
3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.
4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

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6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 11/07/2008

**Volume 727 Folio 018**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 726 Folio 979</b>
11/07/2008	677101	Sewerage Easement granted to the proprietor(s) of lot(s) 4940
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Citiland Corporation Pty Ltd - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.

**Duplicate Certificate as to Title issued? No**

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

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3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

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6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 11/07/2008

**Volume 726 Folio 979**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 720 Folio 207</b>
11/07/2008	677100	Right of Way Easement granted to the proprietor(s) of lot(s) 4940
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Citiland Corporation Pty Ltd - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.



**Duplicate Certificate as to Title issued? No**

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

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6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 10/12/2007

**Volume 720 Folio 207**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 720 Folio 206</b>
11/07/2008	677071	Change of Name (347476)
11/07/2008	677070	Request to withdraw Caveat (614184)
11/07/2008	677066	Correction to Register - Dealing 347476 updated from (Text=Caveat Vyrose Pty. Ltd. - part only) to (Text=Caveat Vysrose Pty. Ltd. - part only)
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
06/09/2006	622359	Notice of commencement of proceedings by the Caveator (614184)
07/06/2006	614184	Lapsing Caveat Latterly Pty Ltd - part - expiring 07/09/2006
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Vysrose Pty. Ltd. - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Duplicate Certificate as to Title issued? No  
Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.
2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;
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6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.

**Date Registered:** 10/12/2007

**Volume 720 Folio 206**

**Duplicate Certificate as to Title issued?** No

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

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of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Volume 454 Folio 100</b>
10/12/2007	661730	Electricity supply Easement to Power and Water Corporation
06/09/2006	622359	Notice of commencement of proceedings by the Caveator (614184)
07/06/2006	614184	Lapsing Caveat Latterly Pty Ltd - part - expiring 07/09/2006
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Vyrose Pty. Ltd. - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.
2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.
3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.



**Duplicate Certificate as to Title issued? No**

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

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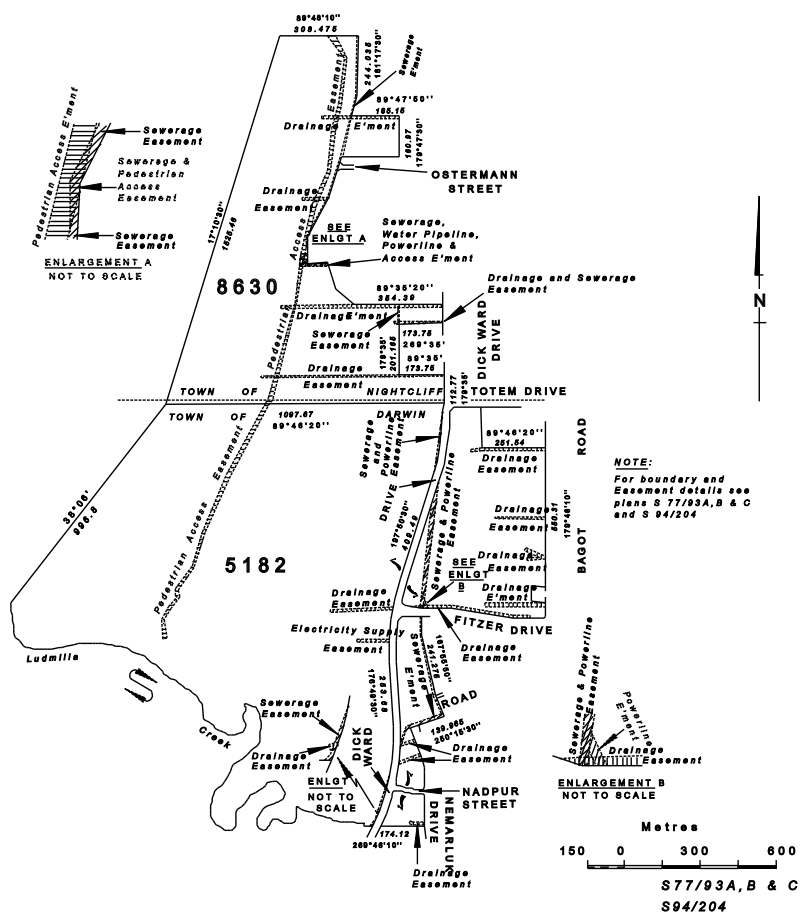
2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

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**Date Registered:** 17/01/1996

**Volume 454 Folio 100**

**Duplicate Certificate as to Title issued?** Yes

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

Power line Easement to Power and Water Authority

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Register BookCUCL Volume 200 Folio 013</b>
10/12/2007	661729	Application to replace lost, mislaid or destroyed Certificate as to Title
06/09/2006	622359	Notice of commencement of proceedings by the Caveator (614184)
07/06/2006	614184	Lapsing Caveat Latterly Pty Ltd - part - expiring 07/09/2006
08/01/1998	391556	Sub-lease to Rodney Sean Nagas - "Prawn Farm" - expiring 19/10/2009
16/09/1996	360053	Statutory Notice - Prescribed Property
16/02/1996	347476	Caveat Vyrose Pty. Ltd. - part only
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/L - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority
End of Dealings		

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.

3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.

**Duplicate Certificate as to Title issued? Yes**

2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

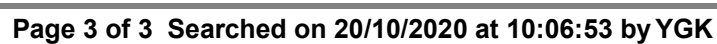
3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.

6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.





**Date Registered:** 28/08/1987

**Volume 200 Folio 013**

**Duplicate Certificate as to Title issued?** Yes

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **CROWN LEASE IN PERPETUITY 00671**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Association Inc.

of c/- The Public Officer Lot 8630 Dick Ward Drive, Nightcliff NT 0810

**Easements:**

Sewerage Easement to Power and Water Authority

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

Drainage Easement to Northern Territory of Australia

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Pedestrian Access Easement to Northern Territory of Australia

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
		Previous title is <b>Register BookCUCL Volume 159 Folio 042</b>
17/01/1996	345692	Under-lease to McDonald Properties (Australia) P/I - part - expiring 6/7/2094
17/01/1996	345691	Sub-lease to Vyrose Pty. Ltd. - part - expiring 7/7/2094
23/03/1990	229354	Electricity supply easement to Power and Water Authority

End of Dealings

**IMPORTANT MESSAGE:** This title information is compiled from the paper register and may be incomplete. Please refer to the scanned image of the paper title for further details. Contact Land Titles Office staff for assistance.

**Commencement Date:** 27th August, 1987

**Expiring Date:** In Perpetuity

**Reservations:**

1. Reservation of right of entry and inspection.
2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths or fossil fuels.
3. Reservation of power of resumption.

**Provision:**

1. The purpose of the lease ("the lease purpose") is for purposes consistent with the zoning of the land.
2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by

**Duplicate Certificate as to Title issued? Yes**

the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition;

3. The Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

4. For the purposes of sections 63 & 64 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee's rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

**Conditions and Covenants:**

1. Subject to the Crown Lands Act the Lessee shall not use the land for a purpose other than the lease purpose.

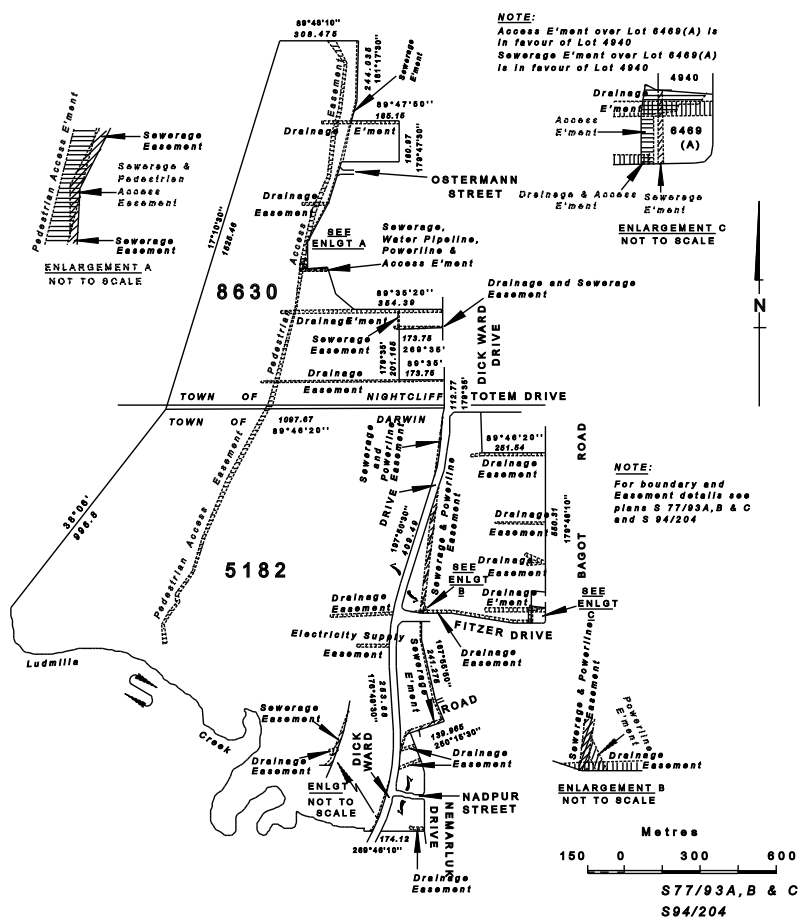
2. The Lessee shall pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee shall at all times maintain, repair and keep in repair all buildings and other improvements on the leased land.

4. The Lessee shall at all times comply with any Planning Instrument and/or Instrument of Determination under the Planning Act affecting the land the subject of the lease.

5. The Lessee shall, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.

6. If the Lessee fails to observe and carry out or to cause to be observed or carried out the conditions of clause 5 above on his part, the Territory shall have a right to enter onto the demised premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) shall be borne and payable by the Lessee on demand.





**Date Registered:** 23/08/1979

**Volume 159 Folio 042**

**Duplicate Certificate as to Title issued?** Yes

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **SPECIAL PURPOSES LEASE 00465**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares 6900 square metres

**Owner:**

Gwalwa Daraniki Assc

**Easements:**

Drainage Easement to Department of Transport & Works

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Drainage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
----------------------------	---------------------------	--------------------

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Previous title is **Register BookCUCL Volume 159 Folio 042**

End of Dealings

**IMPORTANT MESSAGE:** This title information is compiled from the paper register and may be incomplete. Please refer to the scanned image of the paper title for further details. Contact Land Titles Office staff for assistance.

**Date Registered:** Not Recorded

**Volume 159 Folio 042**

**Duplicate Certificate as to Title issued?** Yes

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **SPECIAL PURPOSES LEASE 00465**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares

**Owner:**

**Easements:**

Drainage Easement to Department of Transport & Works

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Drainage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
----------------------------	---------------------------	--------------------

---

Previous title is **Register BookCUCL Volume 159 Folio 042**

End of Dealings

**IMPORTANT MESSAGE:** This title information is compiled from the paper register and may be incomplete. Please refer to the scanned image of the paper title for further details. Contact Land Titles Office staff for assistance.

**Date Registered:** Not Recorded

**Volume 159 Folio 042**

**Duplicate Certificate as to Title issued?** Yes

**Title is Cancelled**

## **SEARCH CERTIFICATE**

### **SPECIAL PURPOSES LEASE 00465**

Lot 5182 Town of Darwin from plan(s) S 77/093B

Lot 8630 Town of Nightcliff from plan(s) S 77/093A

Area under title is 3 square kilometres 1 hectares

**Owner:**

Crown Land of The Nt

**Easements:**

Drainage Easement to Department of Transport & Works

Sewerage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Drainage Easement to Power and Water Authority

Electricity supply Easement to Power and Water Authority

Water supply Easement to Power and Water Authority

Access Easement to Northern Territory of Australia

<b>Registered Date</b>	<b>Dealing Number</b>	<b>Description</b>
----------------------------	---------------------------	--------------------

End of Dealings

**IMPORTANT MESSAGE:** This title information is compiled from the paper register and may be incomplete. Please refer to the scanned image of the paper title for further details. Contact Land Titles Office staff for assistance.



REGISTER BOOK

Volume 159 Folio 42

C. H. L. DEPUTY Registrar-General

NORTHERN TERRITORY OF AUSTRALIA

**Special Purposes Lease No. 465**

The Minister for Lands and Housing in the name of the Territory, and in pursuance of the *Special Purposes Leases Ordinance* hereby grants to GWALWA DARANIKI ASSOCIATION INCORPORATED whose registered office is situate care of The Public Officer Lot 8630 Coconut Grove Road Nightcliff in the Northern Territory of Australia

(who with the lessee's executors, administrators and assigns is in this lease referred to as "the Lessee") subject to the encumbrances notified hereunder a lease of all that piece or parcel of land containing an area of three hundred and one and sixty nine hundredths hectares or thereabouts and being Lot 5182 Town of Darwin and Lot 8630 Town of Nightcliff

as delineated on the plan hereon and therein edged pink reserving

- (a) a right of entry in favour of the Minister, or an officer authorised in writing by the Minister, at all reasonable times and in any reasonable manner, to enter upon the leased land or any part of it and to inspect the leased land or any part of it and any improvements on it;
- (b) all minerals and mineral substances in or on the leased land including gold, silver, copper, tin, other metals, ores and substances containing metals, gems, precious stones, coal, shale, mineral oils and valuable earths or substances, together with the right to authorise any persons to enter upon the land to mine, work for, win, recover and remove them or any of them and to do all things necessary or convenient for those purposes;
- (c) a power of resumption;
- (d) a right of entry and inspection for the purposes of providing and maintaining water, sewer, electricity and other services on the leased land or on other lands;

to hold unto the lessee in perpetuity

yielding and paying therefor an annual

rental of ten cents if and when demanded by the Minister

subject to re-appraisal in accordance with section 11A of the said Ordinance.

And it is hereby declared that—

The lessee, having paid all rent due under this lease, may at any time surrender this lease in accordance with the provisions of the said Ordinance and the Regulations thereunder;

If the rent (other than the rent for the first year) is not paid on or before the expiry of three months from the date on which it becomes payable by the lessee, an additional amount (which shall be deemed to be recoverable as rent) at the rate of five per centum per annum from the expiry of that period shall become payable by the lessee in respect of the rent overdue, if demanded by the Minister;

This lease is granted under and subject to the said Ordinance and the Regulations for the time being in force thereunder and is conditional upon compliance by the lessee with the covenants and conditions to be complied with by the lessee and may, subject to the Ordinance and the Regulations, be forfeited for non-compliance with any such covenant or condition;

This lease shall commence on the

twenty eighth

day of

May

One thousand nine hundred and seventy nine



\*CUCL/159/0424\*

The lessee covenants with the Minister as follows—

1. That the lessee will pay the rent annually in advance;
2. That the lessee will use the land only for the purposes for which it is leased; viz: Special Community Development
3. That the lessee will pay all rates and taxes which may at any time become due in respect of the leased land;
4. That the lessee will observe and comply with the Regulations under the said Ordinance for the time being in force;
5. That the lessee will by the first day of October, 1980 or within such further time as may be approved in writing by the Minister for that purpose commence to erect ablution facilities consisting of one or more buildings at a cost not less than ten thousand dollars and in accordance with plans and specifications previously approved by the Minister in writing and will complete the erection of the said building or buildings at a cost of not less than the said sum in accordance with any Act, Ordinance or Regulation by the first day of October, 1981 or within such further time as may be approved in writing by the Minister and will thereafter maintain and repair and keep in repair all buildings and erections on the said land at a cost not less than the said sum all to the satisfaction of the Minister.
6. That any boundary fencing erected by the lessee will be to the satisfaction of the Minister and will thereafter be maintained to the satisfaction of the Minister.
7. That all areas not occupied by buildings, drive-ways or car parking areas will be landscaped with trees, shrubs and other suitable materials to the satisfaction of the Minister by the first day of October, 1981 and will thereafter be maintained. "Landscaped" may include natural cover over all or part of the landscaped area.
8. That the lessee will not remove or destroy any live mature trees from the land except as required within the context of a development plan approved by the Planning Branch, Department of Lands & Housing.
9. That the lessee will submit dimensioned sketch plans for the development of the site including a plan showing areas to be landscaped, to the Planning Branch for planning approval prior to the submission of building plans to the Building Authority for building approval.
10. That the lessee will by the first day of April, 1980 or within such further time as may be approved in writing by the Minister for that purpose remove any existing structures on the land which do not have approval from the Building Authority.
11. That the lessee will not impede the survey, construction or traffic flow within the portion of land excised from the lease for the Coconut Grove/Fannie Bay connector road as required at no cost to the Government.
12. That the lessee will seek the advice of the Department of Transport and Works and will obey any restrictions placed on the locations of entrances onto the lease.
13. That the lessee will by the first day of October, 1980 or within such further time as may be approved in writing by the Minister for that purpose formalise vehicular access and restricted vehicular movement on the site to defined driveways and parking areas which will be at least formed and gravelled.
14. That the lessee notes the reserving to the Northern Territory a free and unrestricted right of way over that piece of land hatched blue and identified as pedestrian access easement on the Plan annexed hereto.

THE TERRITORY COVENANTS WITH THE LESSEE AS FOLLOWS -

1. That the Territory will be responsible for the erection of substantial fencing along both sides of that part of the Coconut Grove/Fannie Bay connector road passing through the leased land and will thereafter maintain the said fencing at no cost to the lessee of the leased land.

SIGNED SEALED and DELIVERED by

JOSEPH SARIB

the Delegate of the Minister

In the presence of -

IN WITNESS whereof the Common Seal of  
GUALWA DARANKI ASSOCIATION INCORPORATED  
was hereto affixed the Twenty Third  
day of August, 1979.

In the presence of -



SEAL

FREDERICK STEWART FOGARTY (Secretary)

ALBERT REWI LAWRENCE TREVES (Treasurer)

BOBBY SECRETARY GUALAMARINYI (President)

KATHLEEN SECRETARY MINMARAMA (Member)

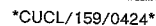
TOPSY SECRETARY JUNINGA (Member)





Total Area 301.69 ha.

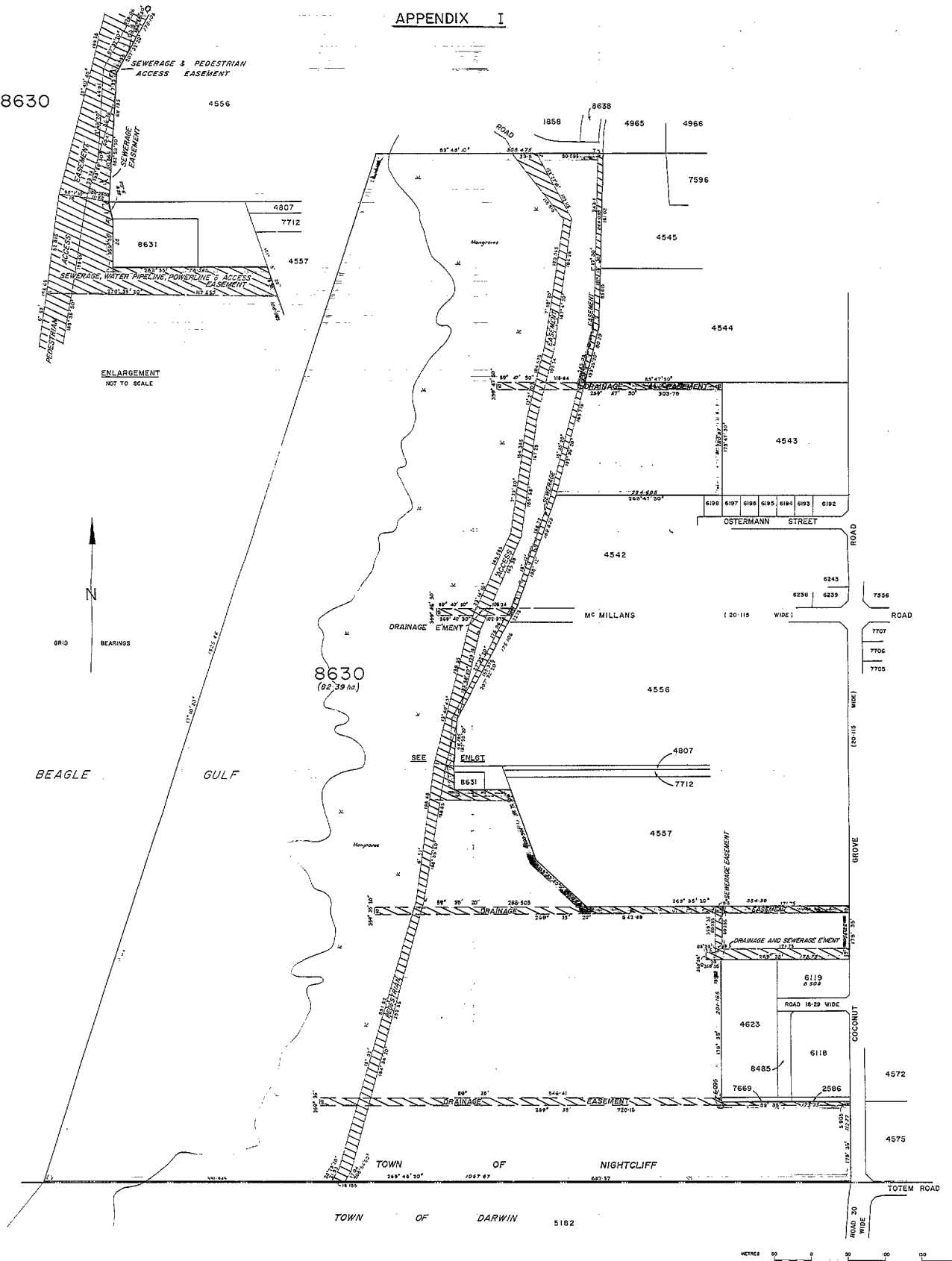
"For the purposes of drainage, pedestrian access, powerline, sewerage and water pipeline required by the Northern Territory of Australia.

<sup>4</sup> (Soyuz-Apogon-2) on 10-15-54 (N.T.).



# APPENDIX I

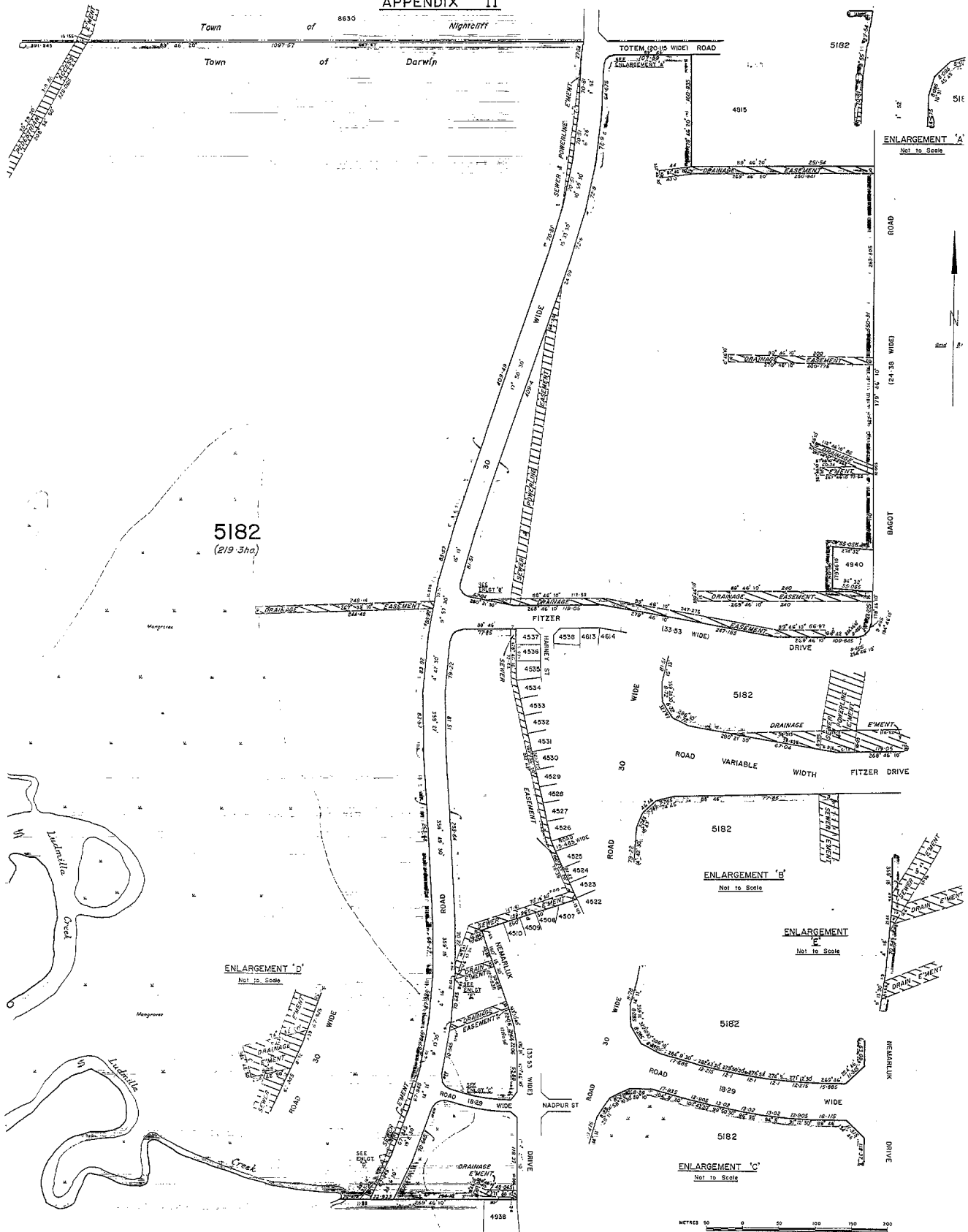
8630



CUCL/159/0424

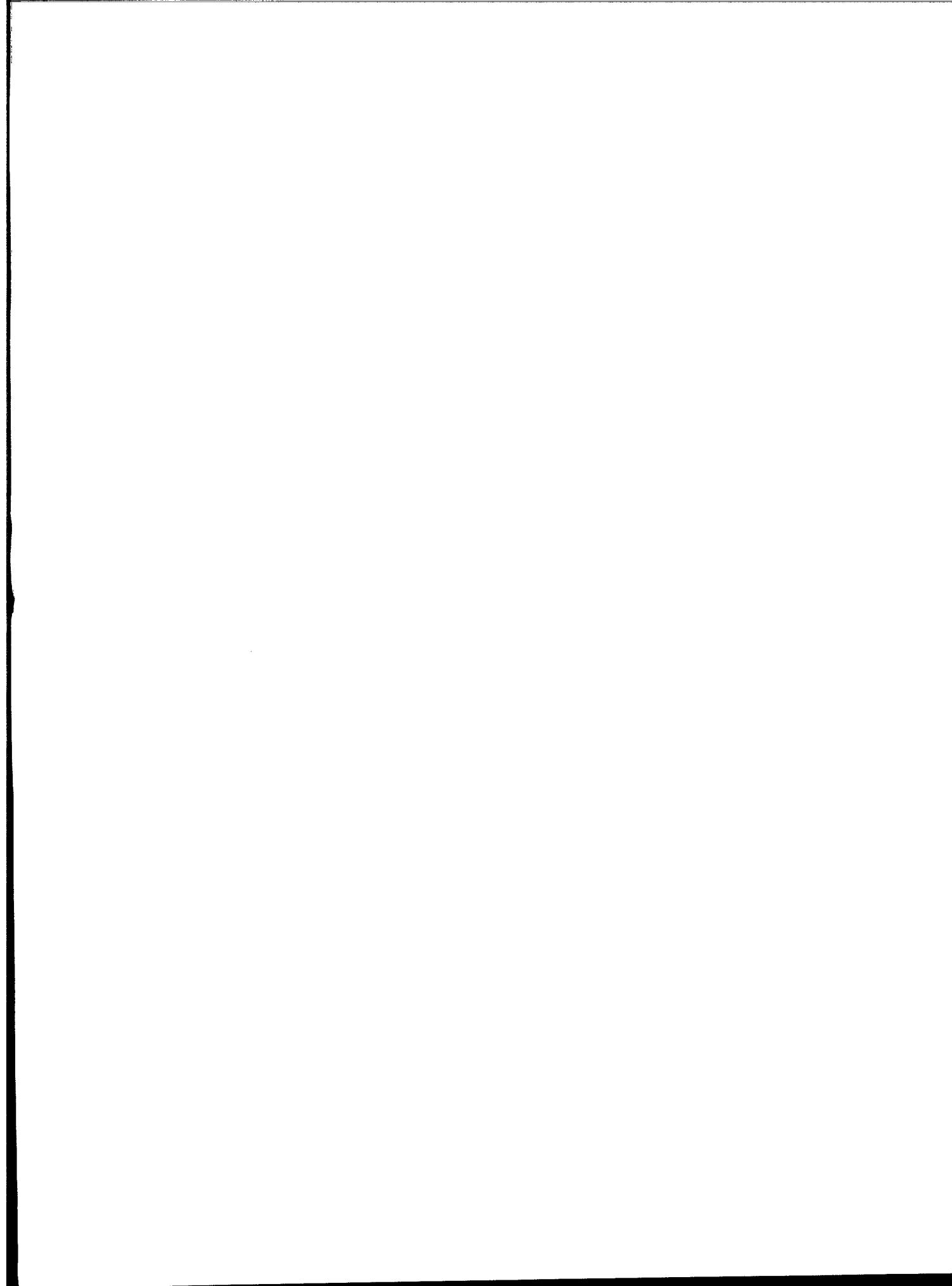


# APPENDIX II



CUCL/159/0424





PLAN REFERRED TO



CUCL/159/0424

ENCUMBRANCES REFERRED TO:

I certify that this Lease is correct for execution.


.....  
*Surveyor-General, N.T.*

T	—	CN	—	Correction/Change Name
—	Transfer	TA	—	Transmission Application
M	Mortgage	X	—	Cavrel
SL	Lease/Sub-lease			

T	—	CN	—	Correction/Change Name
—	Transfer	TA	—	Transmission Application
M	Mortgage	X	—	Cavrel
SL	Lease/Sub-lease			

ND --- Notice of Death  
W --- Warrant or Writ

ND --- Notice of Death  
W --- Warrant or Writ

Discharges and Withdrawals				
Registration Number	Date of Registration	Time of Registration	Signature of Registrar	
193155	27.8.87	11.37.14		
LAWFULLY SURRENDERED				





# Appendix H

## Department of Defence Maps



## Legend

Inferred surface water PFOS + PFHxS concentration

-  Typically above Drinking Water and Recreational Guidance Values
-  Typically between Drinking Water and Recreational Guidance Values
-  Occasional detections but below Drinking Water Guidance
-  Consistently below Limit of Reporting

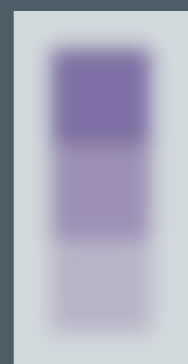






## Legend

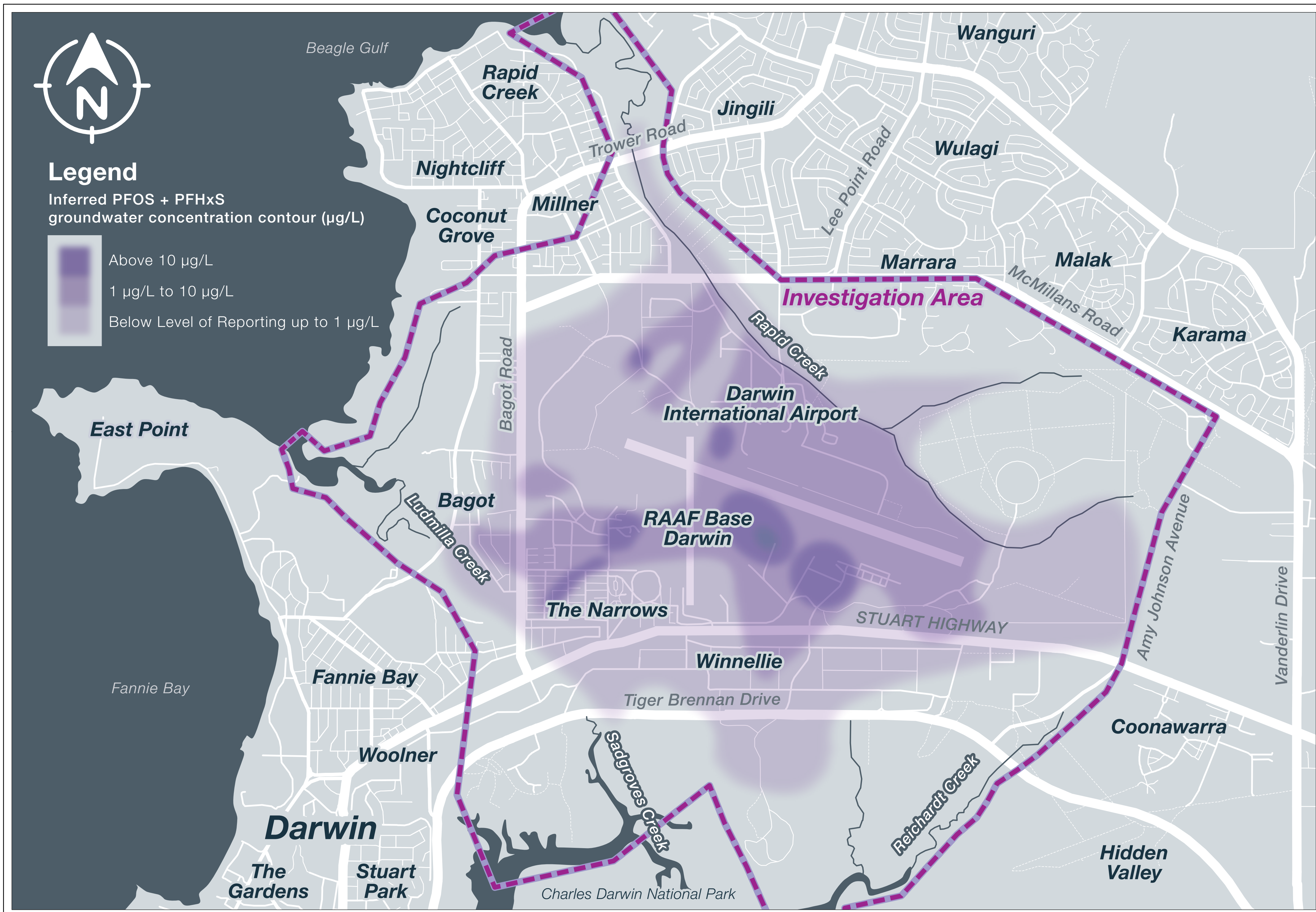
Inferred PFOS + PFHxS  
groundwater concentration contour ( $\mu\text{g/L}$ )



Above 10  $\mu\text{g/L}$

1  $\mu\text{g/L}$  to 10  $\mu\text{g/L}$

Below Level of Reporting up to 1  $\mu\text{g/L}$



# Appendix I

## Photography Log





**Photograph 01:** Old drums near Lot 4 eastern boundary



**Photograph 02:** Lot 4 vegetation including cycads





**Photograph 03:** Drainage lines enter the site from the east.



**Photograph 04:** Evidence of fly tipping, including building demolition waste and suspected ACM along northern boundary of Lot 5.





**Photograph 05:** Suspected ACM within stockpiles on the northern boundary of Lot 5.



**Photograph 06:** ACM material, confirmed with laboratory analysis, Observation location 33.





**Photograph 07:** Evidence of fly tipping, stockpiles partially obscured by weed establishment



**Photograph 08:** Evidence of fly tipping within Lot 2





**Photograph 09:** Drainage lines entering the site from the eastern boundary.



**Photograph 10:** Evidence of fly tipping in Lot 3.

# Appendix J

## Master Lot Subdivision Plan

LOT DETAILS:

CURRENT	PROPOSED
S D37: 18.36ha RD: 15.14ha  Total: 32.6ha	LOT 1: 6.23ha (SD37 - 5.86ha, RD - 0.377ha) LOT 2: 9.77ha SD37 - 9.15ha, RD - 0.62ha) LOT 3: 1.17ha (SD37 - 1.05ha, RD - 0.12ha) LOT 4 - 2.03ha LOT 5 - 13.4ha

LEGEND:

- EXISTING EASEMENT
- CONCEPTUAL FUTURE ROAD CORRIDOR

ABORIGINAL AREAS PROTECTION AUTHORITY  
CERTIFICATE C2012 / 127

- AREAS OF CULTURAL SIGNIFICANCE

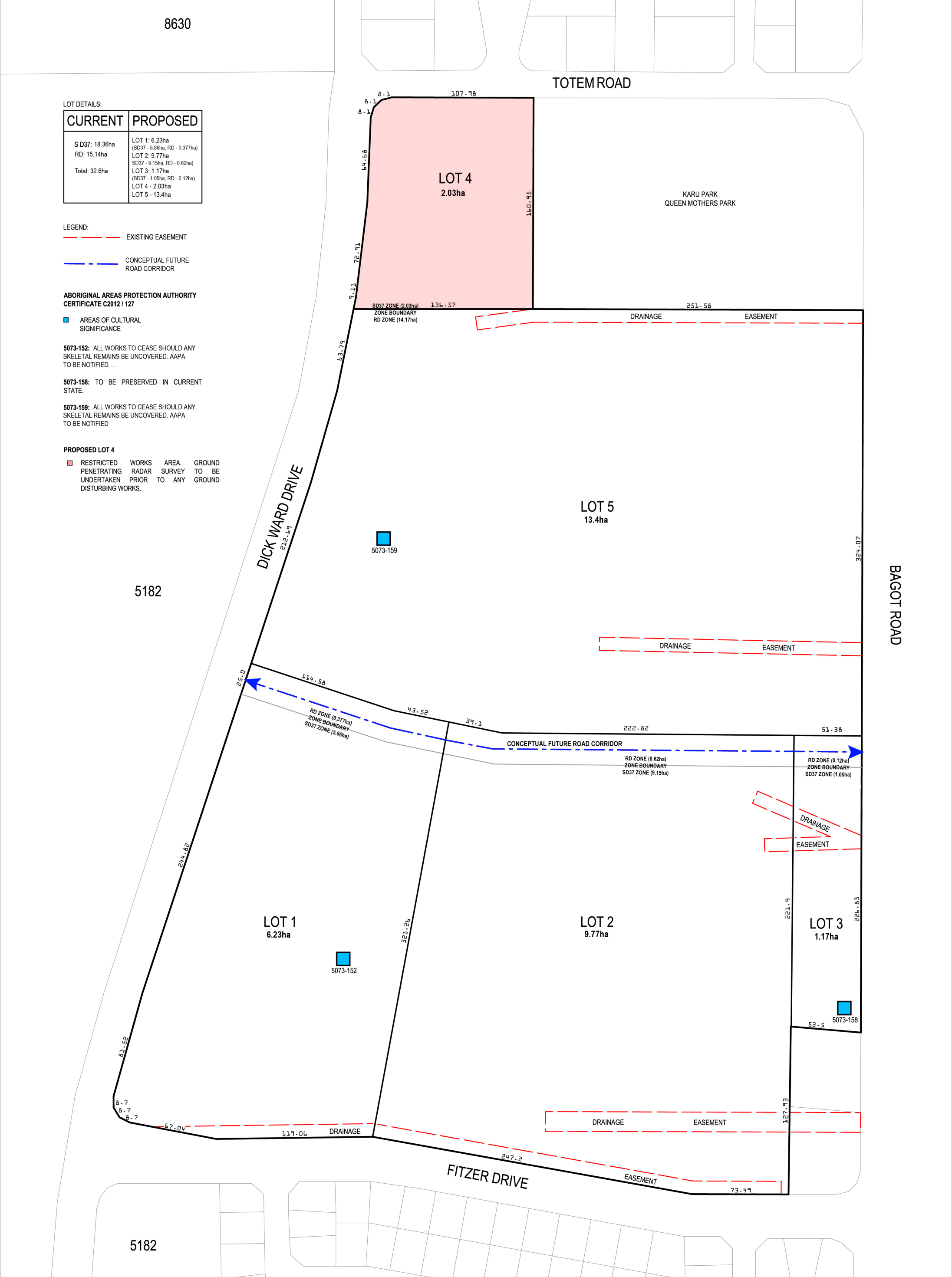
5073-152: ALL WORKS TO CEASE SHOULD ANY SKELETAL REMAINS BE UNCOVERED. AAPA TO BE NOTIFIED ...

5073-158: TO BE PRESERVED IN CURRENT STATE.

5073-159: ALL WORKS TO CEASE SHOULD ANY SKELETAL REMAINS BE UNCOVERED. AAPA TO BE NOTIFIED

PROPOSED LOT 4

- RESTRICTED WORKS AREA. GROUND PENETRATING RADAR SURVEY TO BE UNDERTAKEN PRIOR TO ANY GROUND DISTURBING WORKS.



# Appendix K

## Laboratory Reports



## SAMPLE RECEIPT NOTIFICATION (SRN)

**Work Order : ES2034141**

<p>Client : <b>SLR Consulting Australia Pty Ltd</b></p> <p>Contact : Sarah Dorherty</p> <p>Address : Unit 5 21 Parap Rd DARWIN 0800</p> <p>E-mail : sdoherty@slrconsulting.com</p> <p>Telephone : ----</p> <p>Facsimile : ----</p> <p>Project : 680.30031 Dickward</p> <p>Order number : ----</p> <p>C-O-C number : ----</p> <p>Site : ----</p> <p>Sampler : Sarah Dorherty</p>	<p>Laboratory : Environmental Division Sydney</p> <p>Contact : Tyler Anderson</p> <p>Address : 277-289 Woodpark Road Smithfield NSW Australia 2164</p> <p>E-mail : Tyler.Anderson@ALSGlobal.com</p> <p>Telephone : +61 2 8784 8555</p> <p>Facsimile : +61-2-8784 8500</p> <p>Page : 1 of 2</p> <p>Quote number : ES2020HEGAUS0010 (SY/470/20)</p> <p>QC Level : NEPM 2013 B3 &amp; ALS QC Standard</p>
---	--

### Dates

Date Samples Received : 01-Oct-2020 08:30	Issue Date : 01-Oct-2020
Client Requested Due : 09-Oct-2020	Scheduled Reporting Date : <b>09-Oct-2020</b>
Date	

### Delivery Details

Mode of Delivery : Undefined	Security Seal : Not Available
No. of coolers/boxes : ----	Temperature : 8.9' C SYD
Receipt Detail :	No. of samples received / analysed : 3 / 3

### General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **Asbestos analysis will be conducted by ALS Newcastle.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- ### Summary of Sample(s) and Requested Analysis

Laboratory sample ID	Client sampling date / time	Client sample ID	SOLID - Asbestos
ES2034141-001	30-Sep-2020 00:00	PSI-1	✓
ES2034141-002	30-Sep-2020 00:00	PSI-2	✓
ES2034141-003	30-Sep-2020 00:00	PSI-3	✓

[illegible]

## SLR Consulting Australia Pty Ltd

**PPM CONTACT No: 0417 647 498**

ALS quote SY-470-20

attest that the proper field sampling procedures were used during the collection of these samples.

[illegible]

## CERTIFICATE OF ANALYSIS

**Work Order** : **ES2034141**  
**Client** : **SLR Consulting Australia Pty Ltd**  
**Contact** : Sarah Dorherty  
**Address** : Unit 5 21 Parap Rd  
                   DARWIN 0800  
**Telephone** : ----  
**Project** : 680.30031 Dickward  
**Order number** : ----  
**C-O-C number** : ----  
**Sampler** : Sarah Dorherty  
**Site** : ----  
**Quote number** : SY/470/20  
**No. of samples received** : 3  
**No. of samples analysed** : 3

**Page** : 1 of 4  
**Laboratory** : Environmental Division Sydney  
**Contact** : Tyler Anderson  
**Address** : 277-289 Woodpark Road Smithfield NSW Australia 2164  
**Telephone** : +61 2 8784 8555  
**Date Samples Received** : 01-Oct-2020 08:30  
**Date Analysis Commenced** : 02-Oct-2020  
**Issue Date** : 09-Oct-2020 09:36



Accreditation No. 825  
 Accredited for compliance with  
 ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Descriptive Results

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Alana Smylie	Asbestos Identifier	Newcastle - Asbestos, Mayfield West, NSW



## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.  
LOR = Limit of reporting  
^ = This result is computed from individual analyte detections at or above the level of reporting  
ø = ALS is not NATA accredited for these tests.  
~ = Indicates an estimated value.

- EA200: Asbestos Identification Samples were analysed by Polarised Light Microscopy including dispersion staining.
- **EA200 Legend**
- EA200 'Am' Amosite (brown asbestos)
- EA200 'Cr' Crocidolite (blue asbestos)
- EA200 'Ch' Chrysotile (white asbestos)
- EA200: 'UMF' Unknown Mineral Fibres. "-" indicates fibres detected may or may not be asbestos fibres. Confirmation by alternative techniques is recommended.
- EA200 'Trace' - Asbestos fibres ("Free Fibres") detected by trace analysis per AS4964. The result can be interpreted that the sample contains detectable 'respirable' asbestos fibres
- EA200: For samples larger than 30g, the <2mm fraction may be sub-sampled prior to trace analysis as outlined in ISO23909:2008(E) Sect 6.3.2-2
- EA200: 'Yes' - Asbestos detected by polarised light microscopy including dispersion staining.
- EA200: 'No\*' - No asbestos found, at the reporting limit of 0.1g/kg, by polarised light microscopy including dispersion staining. Asbestos material was detected and positively identified at concentrations estimated to be below 0.1g/kg.
- EA200: 'No' - No asbestos found at the reporting limit 0.1g/kg, by polarised light microscopy including dispersion staining.
- EA200: N/A - Not Applicable





## Analytical Results

Sub-Matrix: **SOIL**  
 (Matrix: **SOIL**)

Client sample ID

				<b>PSI-3</b>	----	----	----	----
Client sampling date / time				30-Sep-2020 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	<b>ES2034141-003</b>	-----	-----	-----	-----
Result				----	----	----	----	----
<b>EA200: AS 4964 - 2004 Identification of Asbestos in Soils</b>								
Asbestos Detected	1332-21-4	0.1	g/kg	<b>Yes</b>	----	----	----	----
Asbestos (Trace)	1332-21-4	5	Fibres	<b>No</b>	----	----	----	----
Asbestos Type	1332-21-4	-	--	<b>Ch + Am</b>	----	----	----	----
Sample weight (dry)	----	0.01	g	<b>12.4</b>	----	----	----	----
APPROVED IDENTIFIER:	----	-	--	<b>A. SMYLIE</b>	----	----	----	----
Synthetic Mineral Fibre	----	0.1	g/kg	<b>No</b>	----	----	----	----
Organic Fibre	----	0.1	g/kg	<b>No</b>	----	----	----	----



## Analytical Results

Sub-Matrix: <b>SOLID</b> (Matrix: <b>SOLID</b> )				Client sample ID	PSI-1	PSI-2	----	----	----
Client sampling date / time					30-Sep-2020 00:00	30-Sep-2020 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2034141-001	ES2034141-002	-----	-----	-----
					Result	Result	----	----	----
<b>EA200: AS 4964 - 2004 Identification of Asbestos in bulk samples</b>									
Asbestos Detected	1332-21-4	0.1	g/kg		Yes	Yes	----	----	----
Asbestos Type	1332-21-4	-	--		Ch + Am	Ch	----	----	----
Asbestos (Trace)	1332-21-4	5	Fibres		N/A	N/A	----	----	----
Sample weight (dry)	----	0.01	g		7.65	26.4	----	----	----
Synthetic Mineral Fibre	----	0.1	g/kg		No	No	----	----	----
Organic Fibre	----	0.1	g/kg		No	Yes	----	----	----
APPROVED IDENTIFIER:	----	-	--		B.SCHRADER	B.SCHRADER	----	----	----

## Analytical Results

### Descriptive Results

Sub-Matrix: <b>SOIL</b>		
Method: Compound	Client sample ID - Client sampling date / time	Analytical Results
<b>EA200: AS 4964 - 2004 Identification of Asbestos in Soils</b>		
EA200: Description	PSI-3 - 30-Sep-2020 00:00	Mid brown soil containing two pieces of asbestos fibre board approximately 20x10x2mm.
Sub-Matrix: <b>SOLID</b>		
Method: Compound	Client sample ID - Client sampling date / time	Analytical Results
<b>EA200: AS 4964 - 2004 Identification of Asbestos in bulk samples</b>		
EA200: Description	PSI-1 - 30-Sep-2020 00:00	Three pieces of asbestos cement sheeting approximately 60x55x2mm.
EA200: Description	PSI-2 - 30-Sep-2020 00:00	Two pieces of asbestos cement sheeting approximately 70x30x5mm.

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