

Attachment 8 Preliminary Site Investigation prepared by SLR dated October 2020.

# **PRELIMINARY SITE INVESTIGATION**

213 Dickward Drive, Ludmilla Northern Territory

## **Prepared for:**

Citiland Pty Ltd C/- Planit Consulting Pty Ltd PO Box 206 Nobby Beach QLD 4218



#### PREPARED BY

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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 Resouces	
DSI	Detailed Site Investigation	
EPA	Environment Protection Authority	
GME	Groundwater Monitoring Event	
GPR	Ground Penetrating radar	
На	Hectare	
НЕРА	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	
ОСР	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	
	Total Recoverable Hydrocarbons	



# **TABLE OF CONTENTS**

EXECUTIV	EXECUTIVE SUMMARY3		
LIST OF A	LIST OF ABBREVIATIONS5		
TABLE OF	CONTENTS	6	
DOCUME	NT REFERENCES	7	
APPENDIC	CES	7	
1	INTRODUCTION	1	
1.1	Purpose and Objectives	1	
1.2	Scope of Works	1	
2	SITE INFORMATION	3	
2.1	Property Information	3	
2.2	Site Condition and Surrounding Environment	3	
2.2.1	Regional Geology	4	
2.2.2	Regional and Site Hydrogeological setting	4	
2.2.3	Acid Sulphate Soils	5	
3	SITE HISTORY	6	
3.1	Historical Activities Identified	6	
3.2	Previous Investigations	8	
3.3	Site Inspection	9	
3.4	Potential for Contamination Identified	13	
4	PRELIMINARY CONCEPTUAL SITE MODEL	. 15	
5	CONCLUSIONS	. 16	
6	REFERENCES	. 17	
7	LIMITATIONS	. 19	



#### **DOCUMENT REFERENCES**

#### **TABLES**

Table 1	Scope of works	
Table 2	Summary of property information	
Table 3	Summary of surrounding environment	4
Table 4	Summary of hydrological and hydrogeological setting	5
Table 5	Historical land uses and site development	6
Table 6	Summary of site inspection observations	9
Table 7	Site walkover observations points	10
Table 8	PSI sample results	12
Table 9	Potentially contaminating activities	13
Table 10	Investigation areas	14
Table 11	Preliminary conceptual site model	

#### **APPENDICES**

**APPENDIX A - FIGURES** 

APPENDIX B - DARWIN NORTHERN TERRITORY AUSTRALIA 1:100,000 GEOLOGICAL SERIES

**APPENDIX C - REGISTERED BORE LOCATION MAP** 

**APPENDIX D - REGISTERED BORE REPORTS** 

**APPENDIX E – ACID SULPHATE SOILS MAP** 

APPENDIX F - HISTORICAL AERIAL PHOTOGRAPHS AND SATELLITE IMAGERY

**APPENDIX G – CURRENT AND HISTORICAL CERTIFICATES OF TITLE** 

**APPENDIX H – DEPARTMENT OF DEFENCE MAPS** 

**APPENDIX I – PHOTOGRAPHY LOG** 

**APPENDIX J - MASTER LOT SUBDIVISION PLAN** 

APPENDIX K - LABORATORY REPORTS



### 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> <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> <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> <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	Preparation of a project specific Health and Safety Plan for SLR field personnel undertaking the works.		
Site Inspection & Surrounds	<ul> <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> <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	Vacant, undeveloped land.  During the site inspection, a long-term camp site was observed on Lot 4.  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.	
Proposed Future Land Use	Subdivision as per Development Permit DP 14/0831.	
Current Zoning	Zoning is described in relation to the Lot numbers labelled in <b>Figure 2 (Appendix A)</b> :  • Lots 1, 2, 3 and 4 – Specific use  • Lot 5 – Restricted development	
Local Government	City of Darwin	
Surface and Subsurface Infrastructure	<ul> <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	North:
surrounding land uses	<ul> <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> </ul>
	Totem Road
	<ul> <li>Commercial area including a service station, auto repair businesses (panel beaters, mechanical workshop, windscreen repairs), swimming pool shops and an office building</li> <li>South:</li> </ul>
	Fitzer Drive
	<ul><li>Residential housing.</li><li>East:</li></ul>
	<ul> <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> </ul>
	Bagot Road
	Darwin Royal Australian Airforce (RAAF) Base and golf course
	Darwin International Airport.
	West:
	Dickward Drive
	Known historical burial area of Cyclone Tracy debris
	Darwin Harbour.
Topography	The site is relatively flat, sloping gradually towards the south west
	Drainage lines transect the site from east to west at five points across the site
	<ul> <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> <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> </ul>
	The site exists within the Darwin Harbour declared Site of Conservation Significance

#### 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	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.  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 Section 3.2 for further discussion).	
Groundwater Quality	Groundwater quality will be confirmed during the subsequent detailed site investigation (DSI), during which monitoring wells will be installed across the site.  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 Section 3.2 for further discussion).	
Registered Groundwater Bore Information	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:	
	<ul> <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> <li>Note: Unregistered groundwater bores may be present in the area that do not appear on relevant databases</li> </ul>	

#### 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.  6-Jul-2016: Lapsing Caveat ECPH Pty Ltd  1-Sep-2015: Caveat Citiland Corporation are listed on the lease.  9-Mar-2009: Caveat Gwelo Investments Pty Ltd  11-Jul-2008: Number of utility easements established for Lot 4940 (McDonalds site).  08-Jan-1998: Leased to Rodney Sean Nagas "prawn farm"  17-Jan-1996: McDonalds Properties (Australia) Pty Limited listed on the lease.  23-Mar-1990: Electricity supply easement leased to Power and Water Authority



Date	Source of Information	Comment
1990	Historic aerial image supplied	Unsealed tracks cross the Site in a grid like pattern.
(imagery date: 13-Jun-1990)	by NT Government	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-	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.
Jun-2009)		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 (imager 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 (perand 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  $\mu$ g/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
Site Drainage	residential and commercial based demolition waste and asbestos containing material (ACM).  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 100m³ containing concrete and suspected ACM (significant amount of ACM)
15	Stockpile estimate 10m³ containing bitumen and asphalt waste
16	Stockpile estimate 15m³ containing ACM and large ACM pipe (Sample PSI-1)
17	Stockpile estimate 15m³ containing suspected ACM (significant amount of ACM, Poor Condition)
18	Stockpile estimate 15m³ containing suspected ACM (significant amount of ACM, Poor Condition)
19	Stockpile estimate 15m³ containing suspected ACM (significant amount of ACM, Poor Condition)
20	Stockpile estimate 15m³ containing rocky material and scrap metal
21	Stockpile estimate 20m³ containing suspected ACM
22	Stockpile estimate 20m³ containing suspected ACM, scrap metal and concrete
23	Stockpile estimate 20m³ containing scrap metal and concrete



Location ID	Observations			
(as referenced in				
Figure 3)				
24	Stockpile estimate 20m³ containing suspected ACM, tyres and concrete			
25	Stockpile estimate 25m³ containing concrete and fibre glass			
26	Stockpile estimate 30m³ containing suspected ACM			
27	Stockpile estimate 30m3 containing suspected ACM (significant amount of ACM, Poor Condition)			
28	Stockpile estimate 30m³ containing bricks and suspected ACM (significant amount of ACM, Poor Condition)			
29	Stockpile estimate 30m³ containing construction/demolition waste			
30	Stockpile estimate 40m³ containing concrete			
31	Stockpile estimate 40m³ containing suspected ACM			
32	Stockpile estimate 5m³ containing suspected ACM (poor condition)			
33	Stockpile estimate 5m³ 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 5m³ containing bitumen/asphalt and scrap metal			
36	Stockpile estimate 5m³ containing concrete, metal and bricks			
37	Stockpile estimate 5m³ containing scrap metal			
38	Stockpile estimate 7m <sup>3</sup> containing suspected ACM (poor condition, significant amount)			
39	Stockpile estimate 15m³ containing construction/demolition waste			
40	Multiple small stockpiles estimate 100m³ containing construction/demolition waste			
41	Multiple small stockpiles estimate 200m³ 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 10m³ containing suspected ACM			
50	Stockpile estimate 10m³ containing suspected ACM			
51	Stockpile estimate 10m³ containing suspected ACM			
52	Stockpile estimate 10m³ containing suspected ACM			
53	Stockpile estimate 10m³ containing suspected ACM			
54	Stockpile estimate 10m³ containing suspected ACM			
55	Stockpile estimate 10m³ 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 10m³ containing suspected ACM
58	Stockpile estimate 15m³ containing suspected ACM, construction/demolition waste
59	Stockpile estimate 15m³ containing suspected ACM (poor condition)
60	Stockpile estimate 2m³ containing suspected ACM
61	Stockpile estimate 2m³ 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 15m³ containing bricks
65	Stockpile estimate 5m³ 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 60m³ containing construction/demolition waste
69	Stockpile estimate 5m³ containing suspected ACM
70	Stockpile estimate 5m³ containing bitumen
71	Stockpile estimate 5m³ containing construction/demolition waste, car
72	Approximate area 50m² contains scattered building material and car
73	Stockpile (windrow) estimate 20m³ 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> <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,</li> </ul>
	Stockpiles of construction/demolition waste	ACM, asbestos fibres, heavy metals, TRH, PAHs, OCPs/OPPs	containing residential/commercial construction/demolition waste including weathered ACM.
	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> <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.	3.6
	PFAS contaminated surface water flows and groundwater plumes may impact this area (Department of Defence 2018).	
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 A

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	Potentially Exposed	Receptor Present	
		Mechanism and Exposure Pathway	Person and/or Ecological Receptor	On-site	Off-site
Uncontrolled imported fill	Soil Contamination (asbestos fibres, heavy metals, TRH, PAHs,	<ul> <li>Wind Erosion / Dispersion</li> <li>Inhalation of dusts</li> <li>Dermal contact</li> <li>Incidental ingestion</li> <li>Uptake via Plants</li> </ul>	Residents	×	✓
Illegal fly tipping of			Commercial workers	×	✓
residential/commercial demolition waste			Intrusive workers	✓	✓
Burial of Cyclone Tracy			People in open spaces	✓	✓
debris			Ecological receptors	✓	✓
<ul> <li>Off-site sources: service station, Darwin Airport/</li> </ul>	OCPs/OPPs, PCBs)		Residents	×	✓
Darwin RAAF Base			Commercial workers	×	✓
			Intrusive workers	✓	✓
			People in open spaces	✓	✓
	Groundwater Contamination (TRH, BTEXN, PAHs, PFAS)		Residents	×	✓
			Commercial workers	×	✓
			Intrusive workers	✓	✓
			People in open spaces	×	×
			Ecological receptors	×	✓
			Residents	×	✓
			Commercial workers	×	✓
			Intrusive workers	✓	✓
			People in open spaces	×	✓

<sup>✓ =</sup> Person or Ecological receptor is present, **x** = 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

ANZG 2018, "Australian and New Zealand Guidelines for Fresh and Marine Water Quality", Australian and New Zealand Governments and Australian state and territory governments, Canberra ACT, Australia.

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NT EPA 2013, "Guidelines for Consultants Reporting on Environmental Issues"

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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.

All work conducted, and reports produced by SLR are prepared for a particular Client's objective and are based on a specific scope, conditions and limitations, as agreed upon between SLR and the Client. Information and/or report(s) prepared by SLR may therefore not be suitable for any use other than the intended objective.

Before passing on to a third party any information and/or report(s) prepared by SLR, the Client is to inform fully the third party of the objective and scope, and all limitations and conditions, including any other relevant information which applies to the information and/or report(s) prepared by SLR.

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.



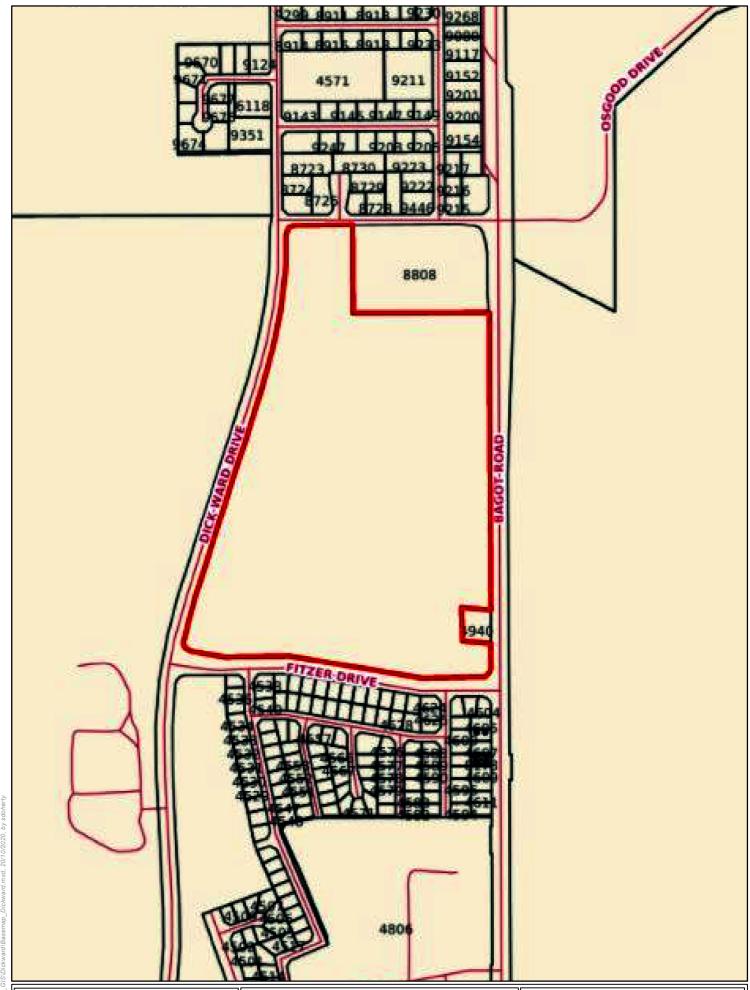
# **Appendix A**

**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** 

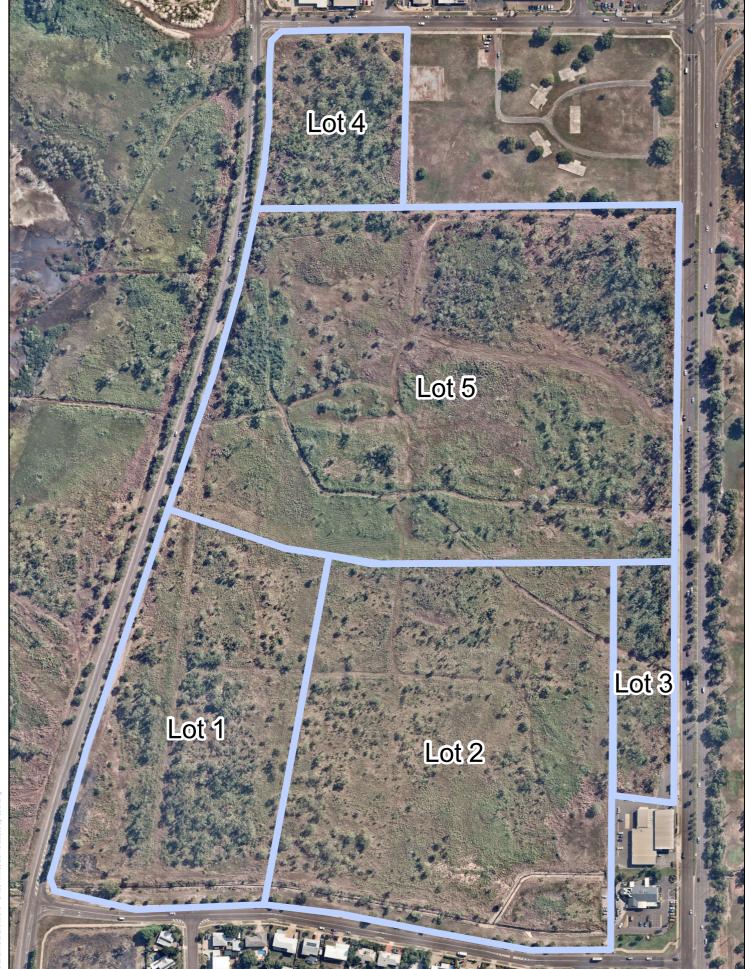
Note: Areas of cultural concern as identified by Karen Martin-Stone, based on desktop assessment.

Figure 1

Site Locality

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Scale 1:3,500 Date 20-Oct-2020





5/21 Parap Road PARAP 0820 Darwin, NT www.slrconsulting.com Project Name: 213 Dickward Drive, Ludmilla

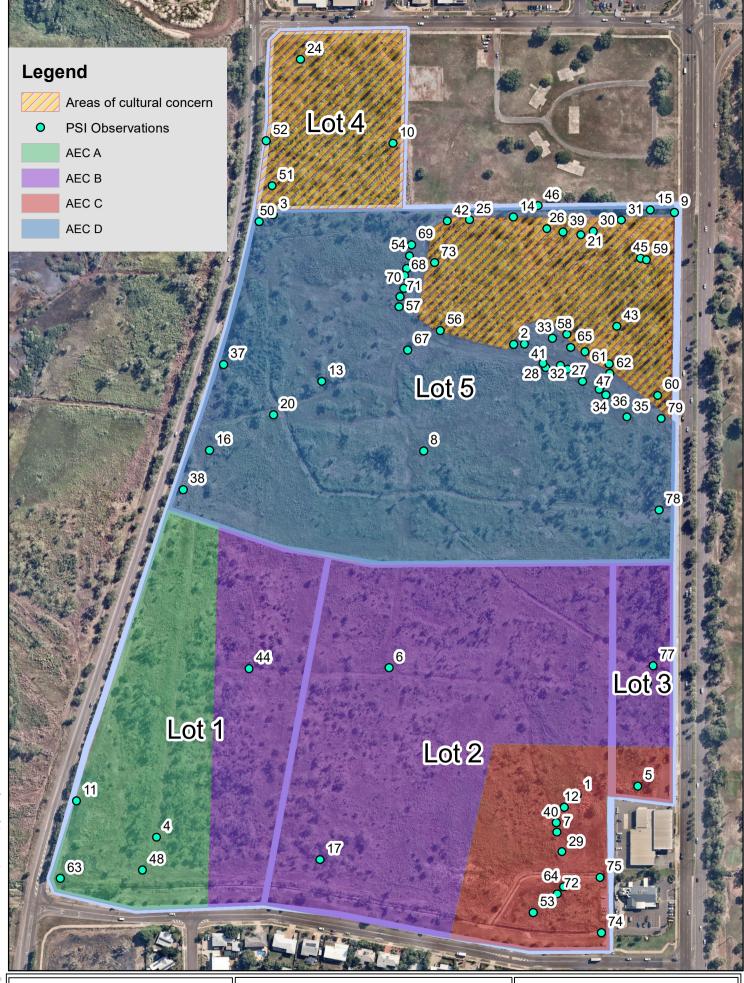
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Note: Areas of Environmental Concern (AEC)

Figure 2

Proposed Allotments

Scale 1:3,500 Date 20-Oct-2020



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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 3

AECs & PSI Observations

Scale 1:3,500

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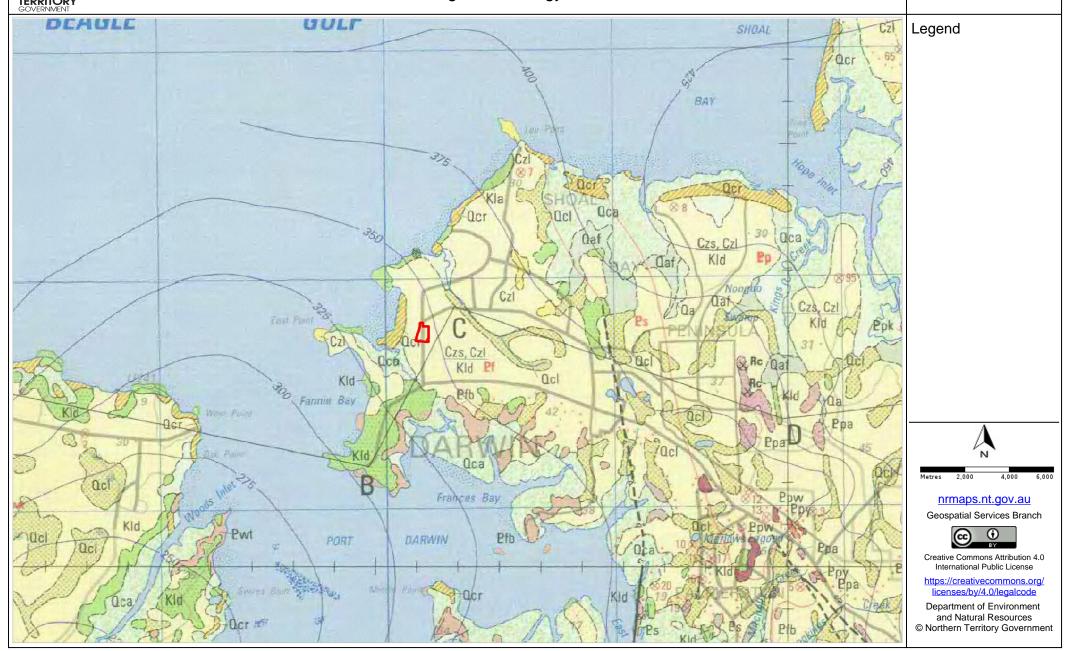
# **Appendix B**

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



# NR MAPS

# Regional Geology



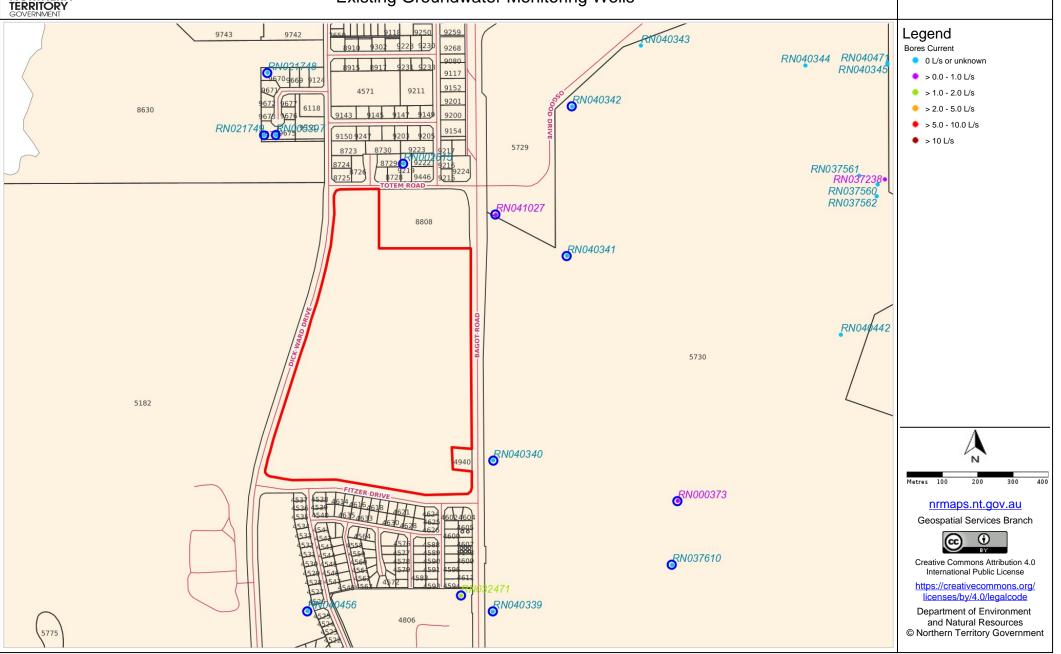
# **Appendix C**

**Registered Bore Location Map** 



# NR MAPS

# **Existing Groundwater Monitoring Wells**



# **Appendix D**

**Registered Bore Reports** 

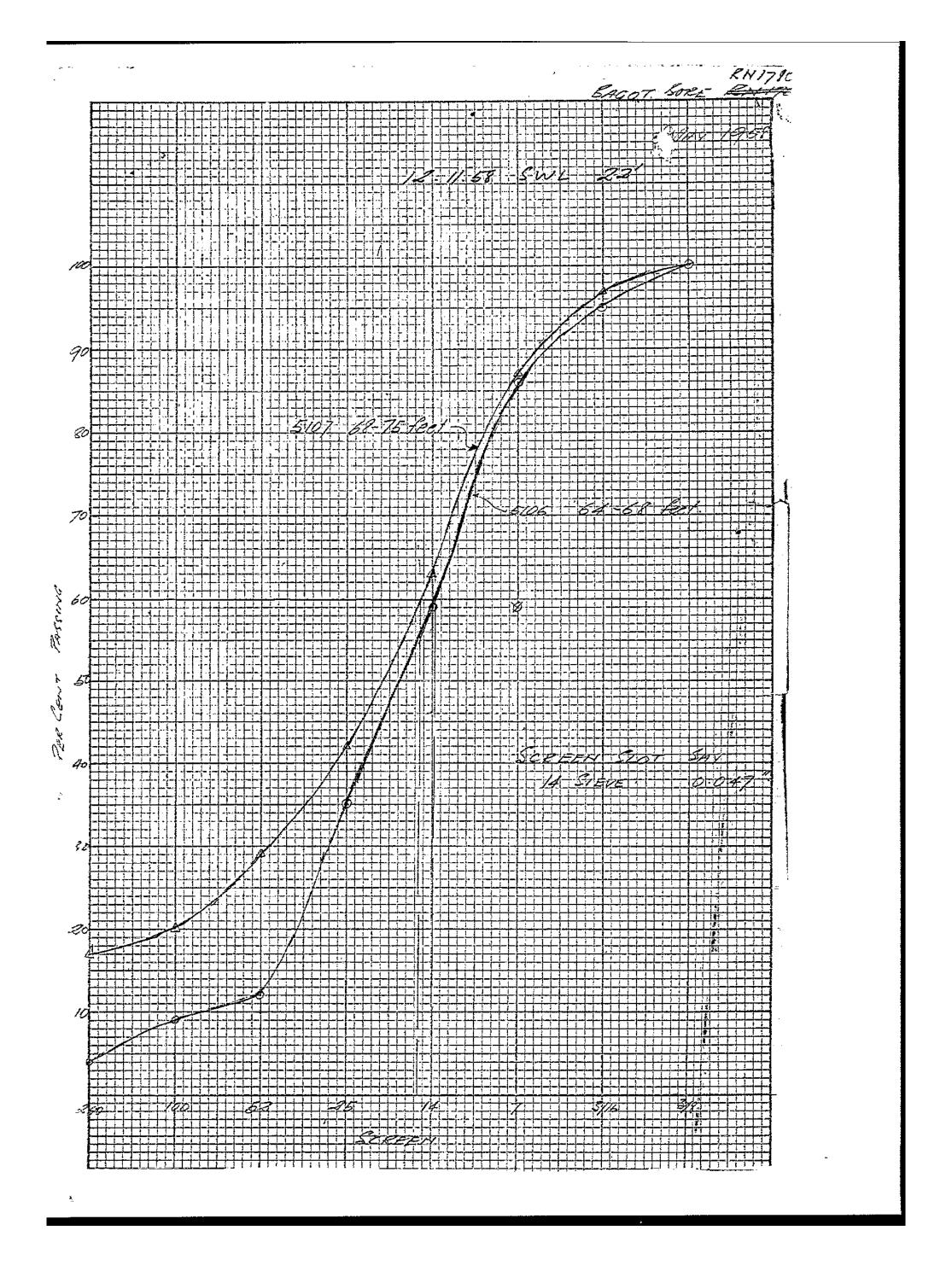
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### NORTHERN TERRITORY ADMINISTRATION.

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Regulation 8

#### THE NORTHERN TERRITORY OF AUSTRALIA

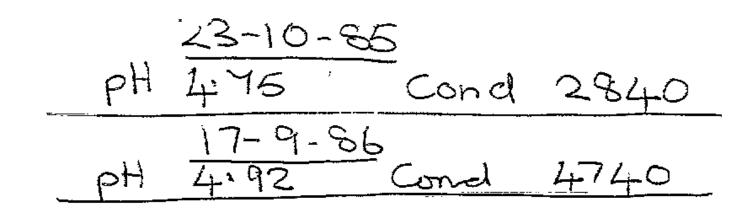
Control of Waters Ordinance

FINAL STATEMENT OF BORE

WR4/3

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

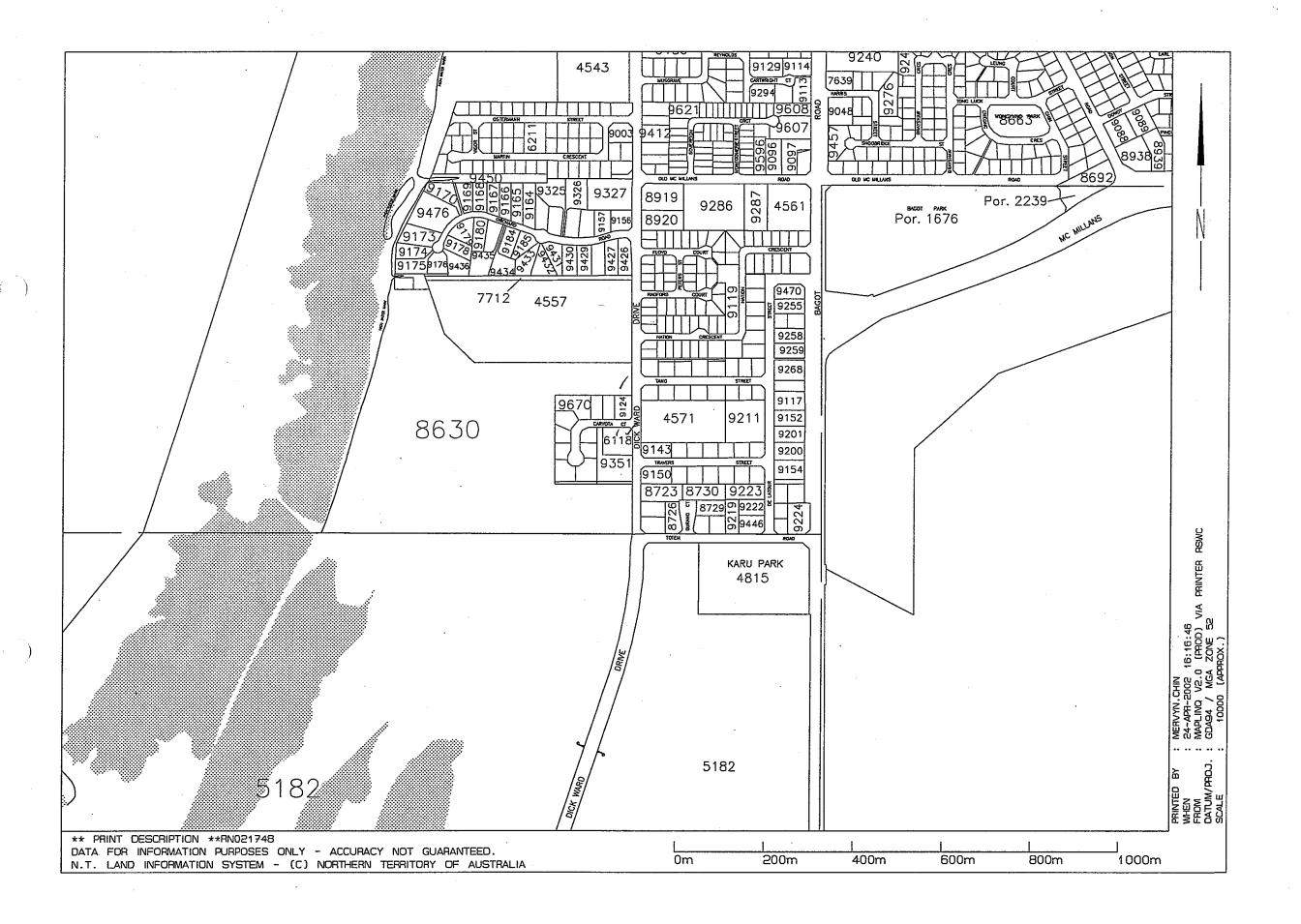
			•	7.14. m. 11, 1 4. 9	
	Description of Street	Name of Bore	<del></del>		
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	-	Name of Prope	erty —		
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	· 	Description of			
		10 Are	e Nurse	९४	_
	j	Name of Owne			
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		Name of Drille	× —		
Location of Bore (or supply sketch on the			<b>-</b> (1) ±12		-
back hereof) —		Date of Commo	encement —		
Miles		_			
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(a) S SE of (b) NTH-NEST CO E NW W SW OF BUT	personal distribution of the constraint	_			
		Total Depth —			
(a) Circle appropriate direction. (b) Use known point such as existing bore, ho	omestead, outstation, etc.	7m			
		Particulars of C			
Additional information of interest about bo	ore.		-	2	
Grid Reference			× 1.5m C Perforations or S		· · · · · · · · · · · · · · · · · · ·
Map Number		Luculais VI I			
Samples of Strata and Water St	upplies	Water		<b>3</b> 1	
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left at the following place —		Struck at			***************************************
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Signature		Standing	<del></del>	<del></del>	
*Delete non applicable		Standing Water Level	~		
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For Office use only —		Pumping Supply	. 11		
<del>-</del>		Litres/sec	1.0 lp.		
		Duration of Pump Test			
					·
		Water Level During Test		. <u>.</u> .	
		O19			;
6307.809 A. B. CAUDELL, Government Pris	inter of the Northern Ferritory	Quality: Good, Fair	r		
		or Bad (	500D	*RN02	1748*



Viewed at 10:09:11 on 01/10/2020 Page 2 of 5.

WATER ANALYSIS	N	Laboratory Register No.
Department of Transport & Works	<b>A</b> T	Date received in Laboratory
Water vision, Darwin N.T.	Bottle N	27/9/82  Io. Time of sampling Date of sampling
	WR 4/1A DI	· · · · · · · · · · · · · · · · · · ·
LOCATION AND DETAILS  LOT 4623 NIGHTO	LIFF HEARNE No	o. 1 WELL RN21748 DEPTH 7m DISCH 1.0 LPS
: 		80/2034 RSP1626
Proposed water use:- Domestic, Stock,	Irrigation, other (specify	
	ANALYS	IS — PHYSICAL
Д рН	5.3 47	Colour (Hazen units)
Specific conductance (microsiemens/cm at 25° C)	280 284	O Turbidity (NTU's)
Total dissolved solids (mg/1 - by evaporation at 180° C)		Suspended solids (mg/1)
		- CHEMICAL (mg/1)
Sodium, Na	35	Chloride, CI 50
Potassium, K	2	Sulphate, SO <sup>4</sup> 39
Calcium, Ca		☐ Nitrate, NO <sup>3</sup>
Magnesium, Mg	5	Bicarbonate, HCO <sup>3</sup> 6
Total Hardness (as CaCO <sup>3</sup> )	31	Carbonate, CO <sup>3</sup>
☐ Total Aikalinity (as CaCO³)	5	☐ Fluoride, F
Iron, (total) Fe	2 0 1	Orthosphosphate, PO4
Silica, SiO <sup>2</sup>	0.1	NaCI (calc. from chloride)
	ANALYSIS —	ADDITIONAL (mg/1)
Copper, Cu	Lead, Pb	Arsenic, As
Manganese, Mn	Zinc, Zn	Cadmium, Cd
The sample as analysed is considered s	untable for:-	•
Drinking water — Yes/1	₩X	Stock watering — Yes/No
Irrigation — Yes/1	No	Others (specify)  Yes/No
NATI		• •
		With suitable treatment the
This Laboratory is registered by the National Association of Testing Authorities, Australia, The test(s)		pH may be adjusted to an
reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.		acceptable level.
Analysed By: G. JOHNSTON	Date  12 <sub>1</sub> 10	82
Boxes mark		considered undesirable for drinking water by the tory Department of Health.
D614.828	A. B. CAUDELL, Gov	verrament Printer of the Northern Tarritory

Printed by guest on 13:43:54 17-Apr-2002. Page 1 of 3 Regulation 8 THE NORTHERN TERRITORY OF AUSTRALIA WR4/3 Control of Waters Ordinance 1. N. 80/2034 FINAL STATEMENT OF BORE R-N. 21,748 Name of Bore -Description of Strata To From 6119 10 ACRE NURSERY P. ROPRETMRY D.A. HEARNE Name of Contractor -Name of Driller — Location of Bore (or supply sketch on the back hereof) -.....Miles Date of Completion -(a) S SE of (b).. E NW w sw Total Depth -(a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, outstation, etc. 8628530 MGA94 701208 Additional information of interest about bore. 30/4/02 Grid Reference E: 701080 N:8628370 7m × 1.5m CONCRETE Map Number DARUSTN SHEET 0807 SCALE 1110060 Particulars of Perforations or Screens -ZONE 57 Samples of Strata and Water Supplies S/B 0815 Water 2nd 3rd 1st have been\* will be\* Supply Supply Supply left at the following place -Struck at Signature Standing \*Delete non applicable Water Level Pumping Supply Litres/sec Duration of Pump Test Water Level During Test Quality: Good, Fair A. B. CAUDELL, Government Printer of the Northern Territory 16307,809 6000 or Bad



Viewed at 10:09:11 on 01/10/2020 Page 5 of 5.

Regulation 8

### THE NORTHERN TERRITORY OF AUSTRALIA

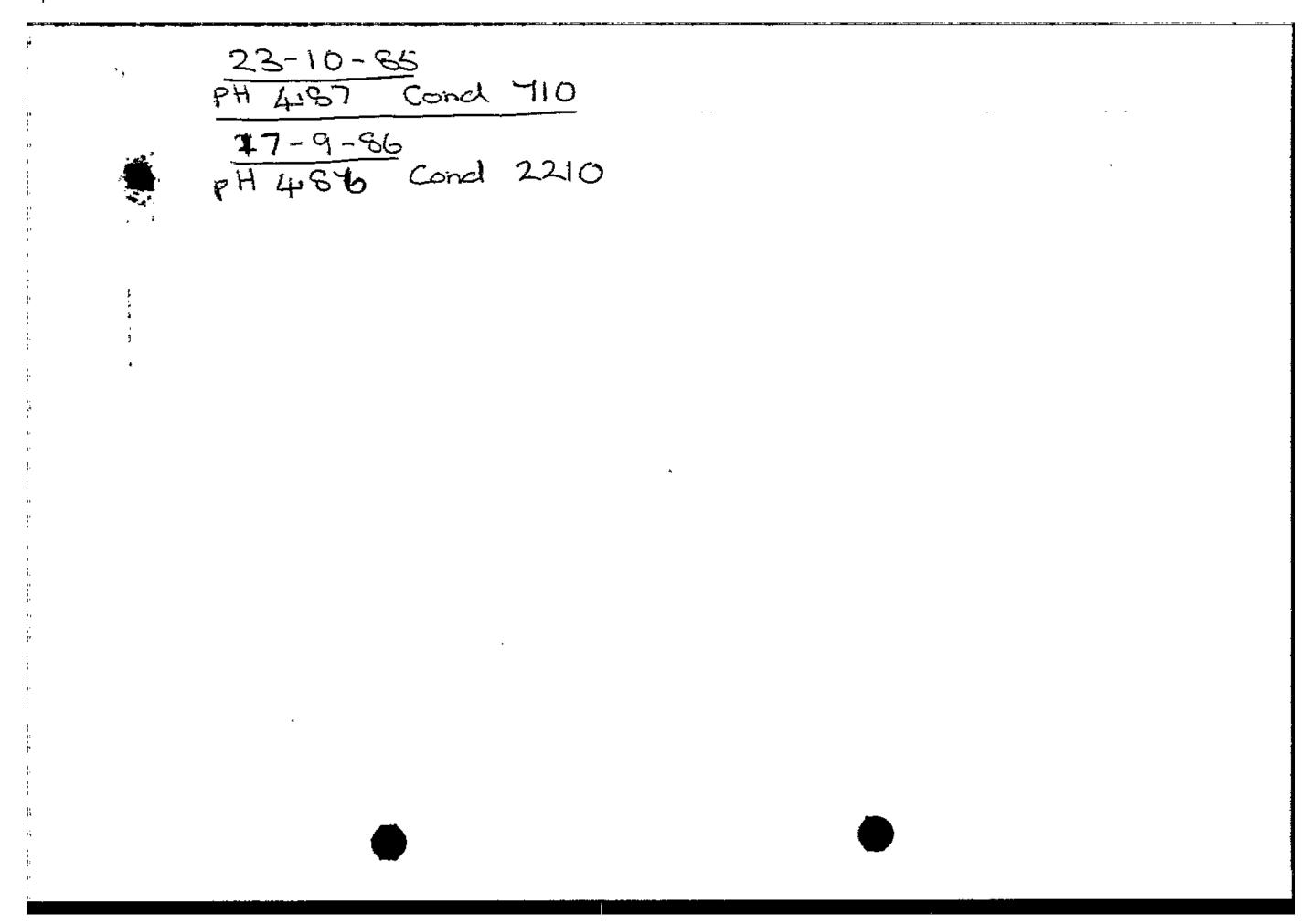
Control of Waters Ordinance

WR4/3

# FINAL STATEMENT OF BORE

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

						·····
From	То	Description of Strata	Name of Bore	<b>-</b>		
. 110111	10		1 /	HEARNE NO	. 2 NECC	
			Name of Prop			
	DIMENSIONS OF L			LOT 4623	KLIGHTCH	ستع يعو
•	14m × 7m - 7	7-1m Dep.	Description of		7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		10ACRE N	lue (en 1	·
•			Name of Own	-		
<u>.</u>				D.A. HEA	PN,E	-
<b>.</b>			Name of Con	itractor —		
1						
			Name of Dril	ller —	· · · · · · · · · · · · · · · · · · ·	
Location of	Bore (or supply sketch on the	<u>, , , , , , , , , , , , , , , , , , , </u>	7		·	
back hereof			Date of Comr	mencement —		
 *4>4****************	Miles					
<u>.</u> . Ŀ.	Con = 11-11-5	2. 1 Page 160	Date of Comp	pletion —		
(a) S SE E NW	of (b)	(OI)NPIC			4	
(a) S SE of (b). Sout H-WESTERN CORNER  W SW  Total Depth —						
(a) Circle a	appropriate direction. own point such as existing bore, home	stead, outstation, etc.				
(b) Ose anown point such as existing core,				7.1m		
Additional	information of interest about bore.		Particulars of	Casing —		
Grid Refere				UNCASED		
Map Numb			Particulars of	Perforations or Sc	reens —	
	Samples of Strata and Water Suppl	lies			<u> </u>	
have	been* will be*		Water	lst Symply	2nd Supply	3rd Supply
left at the f	following place —			Supply	эцрргу	
		***************************************	Struck at			
	***************************************	<b>3434448</b> 9444384438498				
	Signature		Standing	·-	- 10	
*Delete nor	applicable		Water Level	3m		
		· <del></del>	Pumping		···	······································
For Office	use only —		Supply Litres/sec	0.4/0		
<del>.</del>			Duration of	- (19)		
			Pump Test	-		
			Water Level		<del></del>	<u> </u>
			During Test			
· .			Quality:		<del></del> - , , <del>.</del>	en e
4307.309	*RN021749*	30EA	Good, Fair or Bad	6000		
!		i			**	



Viewed at 10:09:12 on 01/10/2020 Page 2 of 18.

WATER ANALYSIS	[NA	Laboratory Register No.	82/1738
Department of Transport & Works	$\sum_{i}$	Date received in Laboratory	27/9/82
Water Jon, Darwin N.T.	WR 4/1A Bottle No	A20 Time of sampling 1200	Date of sampling 23/9/82
OCATION AND DETAILS LOT 4623 NIGHTCLI			
• WRD 6002	:	80/2035	RSP1626
roposed water use:- Domestic, Stock, Irr	igation, other (specify)	7	
	ANALYSI	S — PHYSICAL	
<b>∑</b> pH	4.6 4.87	Colour (Hazen units)	
Specific conductance (microsiemens/cm at 25° C)	810 750	Turbidity (NTU's)	
Total dissolved solids (mg/1 - by evaporation at 180° C)	400	Suspended solids (mg/1)	_
2 (mg/ 1 - 3) Traperation at 100 - 0)	<del></del>	CHEMICAL (mg/1)	
Sodium, Na	116	Chloride, Cl	210
Potassium, K	4	☐ Sulphate, SO⁴	58
Calcium, Ca	7	☐ Nitrate, NO³	1
Magnesium, Mg	16	☐ Bicarbonate, HCO³	3
☐ Total Hardness (as CaCO³)	84	Carbonate, CO <sup>3</sup>	
Total Alkalinity (as CaCO <sup>3</sup> )	2	☐ Fluoride, F	. A.1
Iron, (total) Fe	1 2	Orthosphosphate, PO4	
☐ Silica, SiO²	8	☐ NaCI (calc. from chloride)	340
		ADDITIONAL (mg/1)	
Copper, Cu	Lead, Pb	Arsenic, As	
Manganese, Mn	Zinc, Zn	Cadmium, Cd	
		The second designation of the second designa	
he sample as analysed is considered suita	hle for-		
Orinking water — Yes XXXX		Stock watering —	Yes/No
rrigation — Yes/No		Others (specify)	Yes/No
NASJ	With suitable	treatment the With suitable	treatment the Iron
	pH may be a	djusted to an concentration	may be lowered to an
his Laboratory is registered by the National sociation of Testing Authorities, Australia. The test(5) sported herein have been performed in accordance with	acceptab	+ I 1	ceptable level.
sported nerein have been performed in accordance with a terms of registration. This document shall not be spreduced except in full.	+ /	; acc	Chinasa
nalysed By:G. JOHNSTON	Date 1/2 / 10 8:	2	
		onsidered undesirable for drinking water ry Department of Health.	by the
0614.828	A. B. CAUDELL, Gover	nment Printer of the Northern Territory	

Printed by guest on 14:03:51 17-Apr-2002. Page 1 of 3

Regulation 8

#### THE NORTHERN TERRITORY OF AUSTRALIA

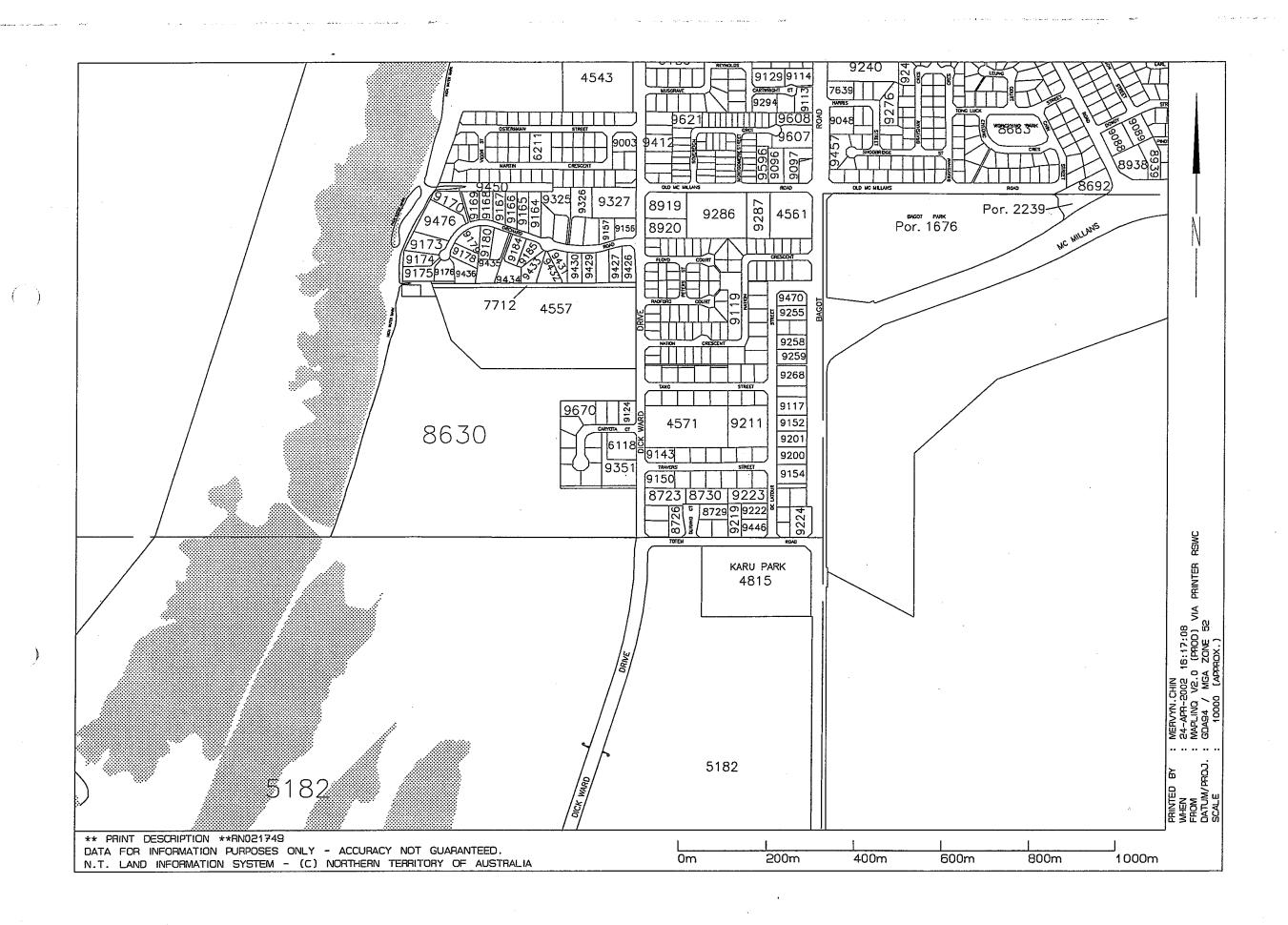
Control of Waters Ordinance

WR4/3

# FINAL STATEMENT OF BORE

R.N. 21.749

From To Description of Strata	Name of Bore —  HEARNE NO. 2 WELL.
DIMENSIONS OF VELL.	Name of Property —
14m × 7m - 7-1m Deep.	LOT 4623 NIGHTCLIFF
14m x /m - / 1m Deep.	Description of Property —
	10ACRE NURSERT
	Name of Owner - TROPICUS HOLDING PROPRIETARY LIMITED  D.A. HEARN, E
	Name of Contractor —
<b>(</b>	
	Name of Driller —
Location of Bore (or supply sketch on the back hereof) —	
Miles	Date of Commencement —
(a) S SE of (b) SOUTH-WESTERN CORNER E NW W SW BL BULL	Date of Completion —
(a) Circle appropriate direction. (b) Use known point such as existing bore, homestead, outstation, etc.	Total Depth —
Additional information of interest about bore.	Particulars of Casing —
Grid Reference E: 701070 N: 8628200 M6A 94 701198 8628360 Map Number DARWIN SHEET 0807 SCALE 1:10000	Particulars of Perforations or Screens —
Samples of Strata and Water Supplies 20NE 52  have been* will be*	Water 1st 2nd 3rd Supply Supply Supply
left at the following place —	
	Struck at
Signature  *Delete non applicable	Standing Water Level
For Office use only —	Pumping Supply Litres/sec O.466
μ : 	Duration of Pump Test
	Water Level During Test
4307.309 A. *RNO21749* kory	Quality: Good, Fair or Bad



Viewed at 10:09:12 on 01/10/2020 Page 5 of 18.

Pump test crew A. Parask M. W. KALIANS IF RICHARDS	Ye. 3
IF RICHARDS	
The second secon	
Pump type News 820	
Powered by U. M. Disses	
Pump setting 33 14 m	
Method measuring pump discharge <u>の                                   </u>	B5
M. A. N. цац Точота, нкц	
Comments ALL MEASURMENTS WERE TAKE OND IN ABOUT GROUND LEUSE On the 11-11-52 the screens were - and a concacte plug just in a bottom of the bone, the screens then re set at 39-60 m T.D.	pulle

## INDEX

Description	Page
STEP TEST	1 4 3
CONSTANT RATE	4 × 5
ohs holr	617
RECOURT RN 21794	8
Rocovely RN 21792	9
CONSTANT RATE	10
OBS Bolf RUZINAZ	11
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	

	21	794		OBS BO	re: 217	29	Time Starte	C	800 hs	Date: /3//-82 Date: /3-//-82			
Standing			SALES THE PROPERTY.				Time Stopp		440 1				
Available	Drawdown	198	9m				Test Type:	5758	TEST	Step No.:			
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)	in i	Comments	ie	No.		
0800	1	18.4		Comment No.	35%		100		Duchaige o	/ /		ACT HARD	
	2	1.93	70				310		Machaige c	Joudy	Some	sand	
	3	2.0			NO.					1-4		•	
	4	2.04	Seniore a	201			一人	0.4				-	
	5	2.04									1 7		
	6	2.08	( TE	3	Fig.				Duchaige	1.1.		100	
	2	2.10				~			10011191	Lace	7		
rvin en	8	212		Ex.		experie.						No.	
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	20	220						To be					
	30	2.23								五十五	25.25.16		
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	60	2.27				1941				Book In			
	76	230			5,722		38475.33			F 191			
	80	2 30			LEBER				The state of the state of	Delita Tri			
	90	2 30	10000				THE PARTY				Control of the		
40	100	232			3.5%		<b>有关下</b> 类		Docharas	de		545763	
	101	3 22			4.8 414				Duchage	land			
	102	3 25							7				
	103	326							Duchany		lea		
1000	104	5 28							1	Ave. 1		TEMPS OF	
	105	\$ 29			MARKET I				Carried States				
	106	3 29						in a					
	100	3.30			4.**				Duchary	.1.		1000	

Standing	Bore: Water Leve	21794		OBS Bo	W. W.	2017 ILAS	Time Started: Time Stopped:	1440 h	Date: /3-//-82				
	Drawdown:		·25m					TEP TUST.	Date: /3-//-52 () Step No.:				
Time C.S.T.	Time	D/Down	- 89m PZh	Oriface Plate	o_	Water Sample	Water	Comments	310	p Mo			
C.S.T.	(min)	(m)	(cm)	Plate Size	(I/S)	Sample Bot. No.	Sample Temp. (°C)		17				
	10%	3 30			4.8 4		THE L	Dischay!	dur	A sub- # 10 1			
	109	3 30					Secretary Control		1000				
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30 -00	120	330							Carrier B	10 10 10 10 10 10			
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	150	337				CESSIII		1 )					
	160	3.39											
calls integrated	170	3 39			W 187	NICAGE SELECTION							
42-7	150	3 39			Man je	NE SHIR		The property of the control of					
	190	3.39							T GARBOR				
1.20	200	3 39			48 JA			Duschary	de				
	201	4.16			60/4			1 /					
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Televisia.	203	4.32			Takan)			1 /					
	204	4.30							and a second				
	205	4.30											
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	208	4:34			696								
	209	432								e .			
	210	432								***			
	2,2	431					200000000000000000000000000000000000000						
	2.5	431											
	220	431					<b>三分</b>		,	A PARTIE STATE			
	238	432			20,00			Dudange	de				

Standing	Water Leve	21794	13.25m			Time Stopp	AUITO AND AND AND	1:40 hs	Date: /3-//-82 03			
	Drawdown:		19.89				Test Type:	-	Step No.:			
	T T	Section 1		Oriface	T	Water	Water	STOR	TUST.	1	I I	
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Plate Size	Q (I/S)	Sample Bot. No.	Sample Temp. (°C)		Comments	est all	and the	
	240	4.28			600				Duchay		len	
	250	4.40			Programme				- /			
	260	4.42	100000				A RESIDENCE			34.56		
	270	4.43					11.00	1 1			No. of the second	
	286	4.47					100000					
	290	4.45										
1300	300	4.48	1 2 1		64/9	W SE			Duschange	de.		
	301	5.09	E Fig.		2 44				" "	n		
	302	523		Same No.			100					
	363	5 30	- 185 se		V-18-		- Resident Property	dis la				
28.0	304	528				700			100000000000000000000000000000000000000	Salar		
1.95	305	5.30					SAPPAGE DELL	100 W	Duchery	mel	-	
	306	5.30			7796		the Contraction					
	300	530			Product.		A SUCCESSION					
	308	5 30			Art and a second	TESTIVELY.	1860 L27					
	309	532					Manager Property		government of the			
	316	5.34							Dischang o	lay	culan	
	315	538							/	hu	U sund	
	315	5.47			200	- 19		District	the half to the			
	220	546				WHEN O		Propins.			,	
1.17 (4)	3.30	511							clay cal	out	a sand	
	3 40	509	Partition of the									
	350	5.0	100000000					155/2	ARROWS TO SEE			
	360	504					20	No. 19		5 4 (4 )	any thought of them.	
	370	5.10					The second	A THE PARTY OF		70 20	,,	
	. 380	510				13.200			Discharge	, M	Me	
	390	5.10					100		/	11 5 7	1	
	200	510	ACCUMENT OF							4.70		

Standing	Water Lev	71794 el: /3	250			TIS III	Time Stoppe	Date: 16 - 11 - 82				
14-1-1	Drawdown		89~1			20 B	Time Stopped: 0800 kg Date:/7-11-82 Test Type: CONSTANT RATE Step No.:					
Time C.S.T.	Time (min)	L/Down (m)	PZh (cm)	Or face Prate Size	Q (I/S)	Water Sample Bot, No.	Water Sample Temp. (°C)		Comments			
3800	1	2.90	1,000		74/1				Duckery	sandy	1,130	
534	2	3.60					15	12.2	- somergi	sandy		
	3	3.81				ts.Ph	W 37.34	THE R	Deschoos el	Somin	ill o	me
	4	3.90		No. of the last	LONG THE	1002			J. J.	1	au o	mu
THE STATE OF	5	4.0		100 march		188			June sense	0.00		
	6	4.05	8.47		No. 1746	W. Salan	Town I'm			Telles No F	KI CHEL	P. P. San
	2	412									Mark II	192 VB
	8	416	light.		12 King			The state of	Ducham el	1	e some	Jene
	9	419		Total Line	Bot				July a	1	-2 500774	-46.16
	10	421	900		ME SE	Alicent A		1000				NAME OF TAXABLE PARTY.
	12	4.24				MERCH		-0503		División est		
- 1	15	4.18			7 44							
	20	4.32				ABIOSITION						
fig.	30	435	a ninain						Dwchar ,	leaner	1000 (100)	2.00
3. 36	40	4.39				FERFUE .					1	2-1.24
. 9	50	4 43		i tes	Marine 1		10.000					
	60	446	201						Deschan M	11/	acres .	berne
	20	4.47	10.00		in the state	Continue Continue		/	7	7		TOP STATE
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	90	4.51	101 1025		Cartes	POTON -					ican e (Min)	
	100	453		VIEW COLUMN			2 N 2 V F X 1 L				range (1	
	120	4.54		100	- 2/	Mela Mila	1.至多次是这种解				de l'institution	
	150	4.59			7%				Duchay	mely	sine	Sone
	200	4.64		100	E-haras	TRANSPORT N	Kenne ii			- /		
	300	4.69			Control of			N. H. LOS				
1/1 (See	400	4.95		316,7534	The barrot	ME ME		SECRET				
	500	5.11		The same	Property of							MEETING.
2	600	5.10		To Two or any				STATE OF THE	Descharge .	In Il	+1	esn

umped B	NAME OF TAXABLE PARTY.	21794	100000	000 001	re:	800 VO	Time Started	0	800 hs	Da	ate: 16-11	-82
	Water Leve		13.25m		Ovils &		Time Stoppe			Da	ate: /7-//	· 42
vallable	Drawdown:		19.89		20 20 30	05.0.(1)	lest Type:	CONST	ANT DIS	St	ep No.:	
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)		Comments			J. 14
9	200	5.10		PACE E ION	294			5.35	Diochage m	the 1	unt s	med
	800	5.12	Commence			600 mg - 17 mg				1	WAS TO SEE	,
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32 15 1	1400	5.27	To see se		- ,				^	,	1 1	1
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mped E	Bore: 2	1794		OBS Bor	e: 2/7	29	Time Started	1: 07	1001	Δ.	Da	te: /6-/	1-82
anding	Water Leve	d: /3	3 58m			1 . OX6	Time Stoppe	ed: 0 €	00 d	i bar	Da	te: /7-//	1.82 0
vailable	Drawdown:	065	BOR5	a section was to skill	e Patricia	an sale	Test Type:	085	Borle	4.1		ep No.:	rajet.
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)			mments	APPER N		
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	15	023							500				
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	30	030			FILT		100 700			7.0		Carrier Byon	
	40	0.33								W. Barrier		160	Service Control
	50	035				Order Size							
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	20	038			Milke Sci					A CONTRACT OF			
	Xo	0.40											
	90	042				SV-Steple ()	All water trees		E . 33			Direction.	
	100	043		ge della	W 11			12/8/2014			0.00		
	120	0.45			STATE OF								
	50	0 47			No.		American Chin		18 T				
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	300	0.58						Telescond of the					
	400	0.63	pust - S					BALTY CALLED					
	500	0.67	Elland Interior			11186	10-1			5.705		71	
	600	6.70											A Barrell

inding	Bore: 2/	13.5	8	OBS Bor		or average	Time Stopped		ohs	Da	te: 16-11 te: 12-11	82 07
	Drawdown:	065	BOR	5	TO Secon		Test Type: 2		NT DIS	Ste	p No.:	Sent Contra
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)	100	Comments			
12	700	0.77	TWO IS		THE STATE OF	VEND UIT		Anger aller				
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	1200	0.86	(9)		Task ut					-51	- N - E	
	1300	0.87			00° 10°					1000000		
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mada espec	1440	0.90					Safety and the		ALTO TO THE STATE OF THE STATE			-
		de la companya della companya della companya de la companya della	- 32	1 197		SEE THE	200		A STATE OF THE STA			
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						Top. Line						- Tables
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					1,000				2011 LO			
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					100-46							
					the figure	1	46 525				-	
100						May Selver	1,000	50,004				
	Mark C. II		100		in the		The second second					10000
			Difference of		122.56					133		STEEL STEEL
1		Terre Bart	NAME OF	4	Skotling							
						HALT STREET	The state of the s					

-Air	Water Leve	1: /3	125m	OBS Bor	39	e74. 3	Time Stoppe		800 chs	D:	ate: 17-11-	86
Available			19.89m			75 L	Test Type:	A 11 7	RECOVERY		ep No.:	-
MINS	REWIDUL IN METERS	MIN BAPING STOPED	4	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)		Comments	147	1000	24 st.
1441		1	1441		100		197	E Back	Pump test	mater	set un	
1442	2.60	2	721				105 Bar	The Wall			m anth	
1443	2.51	3.	481			S OF THE REAL PROPERTY.		. 00. 0	text storte		- 12 Thursday	-
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1446	2.11	6	241						rate set	3 2	7-3	March C
1447	1,90	7	206.7					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1979 market in	2000/6	29	
1448	1.84	8	181	-	1	of that			Action to the man			
1450	1.84	9	161		100	All of	10 TO					160
1452	1.70	10	145	CALL CHEVY	No.	A STATE OF THE STA	-0.0° 36°					
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1460	1.59	15	97	Vicinity of	2.1	PEST CLUBE	- 34770	W 1877				
1470	1.49	20	73	8 7		HERE STATES	- 1 10				Pite Ras	
1480	1.35	30	49	(Interpretation			190			25 sh si	The state of the	
1490	1.27	40	37								100	320
1500	121	50	29.8		00.11.21.00			75 133.1				
1510		60	25							BURGOLL VY		
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1590	0.98	120	13							5		NATIONAL PROPERTY.
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	Water Leve	l: /3	158m		1,000		Time Stoppe	ed:	io do	Dat	te: /フ-//	1.57 1
Available							- Test Type:		RECOJERY	Ste	p No.:	.8.
NRATION IN MINS	IN MOTORS	HIND PUMPLING STOPPOTS	1/4	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	/ Water Sample Temp. (°C)		Comments			
1441	0.90	1	1441		THE SEC					330		
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1443	0.86	3	481		( HE)					1700	4 5 T	
1444	0.85	4	361				23 23 50			975		
1445	1.84	5	289							72		
1446	0.83	6	241					40		- 10		
1447	0.81	7	206.7		WILCOLD I	N. Salar	4			7		
1448	0.80	8	181								20 11 30	
1449	0 19	9	161	Internal Paris			1-13		The second second	- T		
1450	0 19	10	145									
1452	0.77	12	121					<b>東牟川</b>	The Control of			
1455	0.75	15	-97					Eliza TI		25	20 1 1	1
1 460	0.72	20	73						J. Commence V		1233	
1470	0 68	30	49			MANUAL SECTION					2 (2.4)	1
1480	0 66	40	32		No. Well-		1500 111	5186	J 31 332 76	1 5 1	1123	13 10
1490	0.64	50	29.8				THE STATE OF THE S			2.5		
1500	0-62	60	25						e e stematic la			
1510	Contract of	70	21.57							ANA		
1520		80	19							7	1000	
1530		90	17									
1540	0.57	100	15.4					de raise a raise some un la lace				
1560	056	120	/3									
1590	0.53	150	10.6									
16.60	0.50	200	8-2								100	
										200000916		7.00
							Marine Ville				1676	

	ore: 2 Water Leve				re: 21の	14/63/1	Time Stopped:			Da	ite:	4
	Drawdown:						Test Type: وه	mstend	Rate	St	ep No.:	
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)		Comments			
11.30	1	1.77			5%			7	whage M	Ally u	ill so	nd
3	2	2.18					A STATE II.		/	/	2 10.23	W
1	3	2.25					100		The state of	100		1877
-17	4	23/		/ when will S			= = 35	2018			124	
	5	2.42				IC III			415			
	6	2.48	0.27 0.00		5.00		100		topsy 2	1216		
	)	2.49				-		2	schory 1 cl	Lain	some fo	i we
9	8	2.51							/	/		15
MASS NOW	9	2.53			10.1	That has					5.5	
	10	2.54	20000		1114	M. 19						
	12	2.56		972 82 3 30 80 80 80			THE BUILDING	1	whoy el	gelly 1	Thely -	me
	15	2.62			5 %		West Control		/ !	1/	sma	
	20	2.69			DIED V. SI		11-5	Series Constitution		1.3.2		
	30	285			2.7520		100	<b>干型的</b> 系	A STATE OF THE STATE OF			
/\	40	280			the state of the s		100		Section 1	/	A STATE OF	,
	50	2.82						Du	scheny a	few -	nuwm	1
0.7000	60	2.80					THE STATE OF				ALCOHOL:	
	20	2.80										
	80	285		1 0 1				Williams To The State of the St				
	90	2 86								1		1
San Ex	100	2.86						1)	schere.	elier	110 000	d
184	120	2.85		MENT SPECIE	W. A.							KHEME.
	150	2.85		17 7 7 7 7						V		
P. Want	200	2.85									ELEGAL TI	
	300	2.85			5 %					/		1
				2.7				1	schner c	levi	10 Dos	1
						HS.E.			/			
				Carried Page	24	A PROPERTY.						

	Water Lev Drawdown		4.08		A.		Time Stopp			Da	ite: /7-//	87 1
A-17	Diawuowii			2.0			Test Type:	085	Rolu .	Ste	p No.:	0
Time C.S.T.	Time (min)	D/Down (m)	PZh (cm)	Oriface Plate Size	Q (I/S)	Water Sample Bot. No.	Water Sample Temp. (°C)		Comments			Pake.
	1	0.01			150	Control of the Control		CONCERN HOUSE			N. Oak	
	2	0.03	A				- K				J. SYNA	39.5
	3	0.05	1206 J. 190					100			Pac	
	4	0.06			11/2	776 T						West a
	5	0.08									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	64 m
	6	0.09			1	No.	4.8	1.000	- 300 00			
	2	0.09								- of		10 of 6 my
(No1109)	8	010			1	Fray, the M	The state of the s	Locale Color		100	1	Kelling.
	9	010	-540 554				LONG TO SERVICE			_ CN _ V/		10000
	10	010			Section 2017	- TO 1						
	12	0.10		- X - X				- 14		312.35	1	7
	15	017	in K		1000		- 10 I	3500	The second second			
	20	0 /2		ME MOVE								
1 40	30	015		25, N. 53	1000	100	1 3 1					
	41	017		o Meses		Mark Town	- Part - Inches					Mac Al
	50	0:20				THE RESE	The Page 1	MILE TO COM				hale of
	60	0.20		21514	100			LINES OF		2, 1, 2		
	20	020		NECTOR V		1 141	13/12/20			3 44		3
100	80	0.20		0.55	ALC: NO	CASK IVA					and the said	
	90	0.21			9							
	100	0.21		OWN SAIL	5740	AND THE						
1	120	0.21		DE SON	HE 72						6	
	150	022	Jews B	o same								
	200	0.25		2 11 25 25		1 50 51	- 10					
	300	0.25			N							
			ride la la	CHARTE	STATE OF							
				West V								ACCORDANCE
		Special Property	No.			- mark 1						ALL DON'T SE

## RECEIVED NORTHERN TERRITORY OF AUSTRALIA

2 2 MAR 2001

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: Bogot Community : 32471 REGISTRATION No. NAME OF BORE : Nº 1/2000 INDEX/MAP No : Community ADVICE No INTENDED USE **PERMIT No** : Bagot Rd, Parwin LOCATION Name of Contractor entrex Particulars of strata From To most brown out stone took brown
Clay cight brown throngeous
Minor Micaceous
Clay cight brown throngeous
Clay cight brown throngeous 3 Name of Driller O TUDEHOPE 3 6 **Date Commenced** 2000 : ; 10 9 6 That share lists bown to down to down to down to down to eather fablished fissile Miror disposible day. Date Completed: 9 : 3 2000 . (6 36 12 Depth Drilled 00 (m) As Above Transition Zona Completion Depth (m) 60 51 36 METHOD OF DRILLING 54.1 Stone light brown to dark 51 60 Brown as Above freeze ☑ Rot. ☐ Rev. Circ. ☐ Cable ☐ Others HOLE DIAMETER **DRILLING FLUID** Τo Diameter Type From Ain. 250 0 6 AIR 6 200 60 PARTICULARS OF PERFORATIONS OR SCREEN STRINGS PARTICULARS OF CASING Aperture Diam (ID) To Diam (ID) Type From From To Slots 5017 PUC 125mm 30m aj -2: 67 200 150 STEEL 6M + - 6 PVC 1-6 427 125 (m) TOP OF PACKER SET AT: Casing Suspended Yes ☐ No NIL (m) Oront LENGTH OF PACKER Method: METHOD OF PACKER CONNECTION: Height of Casing above G.L: , • 6 (m) WATER BEARING BEDS CEMENTING/GRAVEL PACKING рΗ Bottle SWL Duration Quality EC Depth ( m ) From To Yield No. Type (L/s) (m) (hr) From To 0 CHOUT 6 M arout 0 5 STRATA AND WATER SAMPLES Completion Yield: 1-5 (L/s) Method: All Duration: 3 (hr) ☐ Will be ☐ Have been (m) Completion SWL (G.L): (m) Depth of Lift: Left at:

LOCATION SKETCH OF BORE RW32471	LOCATION DESCRIPTION OF BORE
Baggot Ro.	
30~	□E ØS □SE □NE
	⊡fW □N □SW □NW
26m	OF:
	EABTEN BOLNON
	Borper Old ranks Dan
FINAL CONSTRUCTION STATUS.	
☐ Capped ☐ Casing pulled ☐ Left for Observation	☐ Abandoned
☐ Equipped ☐ Backfilled ☐ Others (	
	)
ADDITIONAL INFORMATION OF INTEREST ABOUT BORE	
	,
Signature of Licenced Driller	Date 8°/10/200
FOR OFFICIAL USE ONLY	
HOW LOCATED : ☐ GPS ☐ TST ☐ SURVEY ☑ HAN	ID PLOTTED
ELEVATION OF BORE AHD: (m) From	□ G.L □ TOC
DESCRIPTION OF PROPERTY	
图 Rural	□ VCL □ Min □ Pastoral
Lease No: Lot No:	☐ SPL ☐ E.L ☐ Other
Portion No: Sect. No: 4806	Hundred of : Town of : DARWIN
CLASS OF BORE ☐ TOWN ☐ DOM ☐ INV. ☐ AC	
USE OF BORE ☑ PROD. ☐ INV. ☐ IRR. ☐ OF	BS. ☐ MON. ☐ ROAD
GRID REFERENCE ☑ AMG ☐ CLARKE Zone	9:52 Scale: 1:10000
EASTING :701600 LATITUDE : M	APNAME : DARWIN
NORTHING: 8626940 LONGITUDE: M	AP NUMBER: 0807
AWRC STREAM BASIN No: 0815 Major Geolog	ical Units ( Name ) :
GEOPHYSICAL LOG RUN YES / NO Date: / /	Depth: (m)
☐ Gamma ☐ SP ☐ Camera ☐ Density	
☐ Point Res. ☐ Caliper ☐ Other ( )	TEST PUMP : YES/NO
Date Registered: / / Plotted on	the map: YES) NO 29/3/01
Officer: Signature:	77,-21170
Remarks :	

o de la companya de l	road amanda	GPO BOX 990, DAR BERRIMAH AGRICU STRATH ROAD, BER Telephone: (08) 8999 Fax: (08) 8999 2191	JLTURAL FARM RRIMAH NT 0828	1 .	No.:			gister No.: 40
RESOURCE PROTEC WATER CHEMISTRY		Date Received		Time Sam	pled:	D	ate Sam	pled: 20/2000
R/N No.: 32471	Depth (m):60	Q: 1.5 LPS	Мар:				ampler:	
	G.H. (m):	Q:	G.R.:				TUBE	HOPE
Location: BAGO7	Commun	VITY		Field	Temp °C:	Field pi	<b>∃</b> :	Field Cond µScm-1:
BAGOT R	- Commun OAD DAK	2WIN		RSP	:	Project TECHI	No.: VICAL	SERVICES
		ANALYS	SIS - PHYS	ICAL				
рН	[45	00-H <sup>+</sup> B] 6.2	Colc	ur (Hazen ur	nits)		[21 <b>2</b> 0E	3]
Electrical conductivity (microsiemens/cm at 2		193 2510B]	Turb	idity (NTU's)	•		[2130E	3]
Total dissolved solids (mg L1 - dried at 180°	°C). [2	126 2540C]	Susp	ended solids	(mg L <sup>-1</sup> )		[2540[	p]
		ANALYSIS	- CHEMIC	AL (mg L·1	)			
Sodium, Na	[3	3111B] 20	Chlo	ride, Cl			[4500-Cl <sup>-</sup>	B] 31
Potassium, K	[S	3111B] 6	Sulp	hate, SO <sub>4</sub>			[G]	7
Calcium, Ca	[5	3111D] 2	Nitra	ite, NO,	· · · · · · · · · · · · · · · · · · ·		[4500-NO,	B] <1
Magnesium, Mg	[3	3111B] 7	Bica	rbonate, HC0	Ο,		[23208	3] 52
iron, (total) Fe	. [;	3111B] u/s	Cart	onate, CO,			[2320E	gj 0
Total Hardness (as Ca	aCO <sub>2</sub> ) Calculation [2	23408] 34	Hyd	roxide, OH			[2320E	B] 0
Total Hardness (as Ca	aCO <sub>3</sub> ) Titration [2	2340C]	Fluo	ride, F			[4500-F	c] 0.4
Total Alkalinity (as Car	(CO <sub>3</sub> )	2320B] 43	☐ NaC	I (calc. from o	chloride)			51
Silica, SiO <sub>2</sub>	[45	ico-si D] 15	Diss	olved Oxyge	n		[4500-0-	-C]
		ANALYSIS -	- ADDITIO	NAL (mg l	··¹)			
Copper, Cu [3	3111B]	Manganese,	Mn [3111B]		Zinc	, Zn	[311	1B]
* U/S DENOTES UNS ANALYSIS	SUITABLE FOR	)1 s	3985	010402j	# 9			
I/S DENOTES INS SAMPLE	SUFFICIENT							
* F DENOTES FILT	TRATE ANALYSIS							
This report relates spec	TAL ANALYSIS	e tested as recoiv	ved"		D	ATE:	0/5 A	PR 2001
The test methods used "Standard Methods for which refers to the meth	(denoted within brace the examination of W	kets) refer to the ater and Wastew	1992 18th edit ater", A.P.H.A.			HECKEI GNA	[[]]	Hemi
thus indicate:	Levels are within the Water Quality in Austr Weels exceed non-he	ralia". 1987 N.H. a	& M.R.C. and t					R 2001
<b>※</b> L	Levels exceed health	related limits				U.L.	E	- vv.n.v.

# ROKES NI

#### NORTHERN TERRITORY OF AUSTRALIA

Water Act

PO BOX 1840 HUMPTY DOO NT 0836 Mobile 0411 63119\* Fax (08) 8985 1038

### STATEMENT OF BORE

Pursuant to Section 53 of the Water Act

ENTEN 6/7/12

	Charles and the last	San Committee Co					_				
NAME OF	F OWNER	R: RAAF	DARWIN					REGIST	TRATION No	: 376	lo
NAME OF	F BORE	: MW 33						INDEX/	MAP No		423
INTENDE	D USE	: Monton	29					ADVICE	E No	:	
LOCATIO	N .	: Stu	ut Huy	Wine	aelie	,		PERMI	T No	:	
From	То	Par	ticulars of str	rata		Nan	ne of	f Contract	or : Bore	SNT	
0	1	laterite Siltstone	0:			Nan	ne of	f Driller	: B. B.	RROWS	urg
1	15	Seltstone	firm.			Date	e Co	mmenced	,	3-12	
						Date	e Co	mpleted	: 6-3	3-12	
A						Dep	th D	rilled	: /	5	( m )
		5				Con	nplet	tion Depth	* 70 W	5	( m )
		3					,	METH	HOD OF DRIL	LING	
					4		Rot.	☐ Rev.	Circ. □ Ca	ble 🗆 C	thers
			W.			1	Н	DLE DIAM	IETER	DRILLIN	G FLUID
			Mr.			Fron	n	То	Diameter	T	уре
		-				0	)	15	125mm	AIR	
						2					
	DADTICI	II ADO OF CACIA	10		ADTIOLIL	DC 05		DEODATI	0110 00 001	DEEN OFF	11100
From	To	JLARS OF CASIN Diam (ID)	Type	Froi		AHS OF To		RFORATI iam (ID)	ONS OR SCI Aperture		nGS pe
0	15	Somm	PVC	1		5		SOMM		mag	
	1-	301111	700	-		_	-	or men	- Inm	5.00	T+60( +
				-					-	_	
				-							
			/								
2275	17.0	d  Yes	No		OF PAC			AT:			(m)
Method	: Seo	Ited		LEN	IGTH OF	PACKE	R	:			(m)
Height o	f Casing	above G.L:	) (m)	ME	THOD OF	PACK	ERC	CONNECT	HON:		
CEMEN.	TING/GR	AVEL PACKING						BEARING			
From	То	Type	Depth From	(m) To	Yield ( L/s )	SWL (m)		uration Q (hr)	uality EC	рН	Bottle No.
Ť	15	Gravel	3	10	Seepag	. 3					
.2		Bertonite			'/						
0	.2	Gment									
STRATA	AND WA	ATER SAMPLES									
☐ Have	been	☑ Will be	Complet	ion Yiel	ld: Seepre	(.L/s)	N	Nethod : ${\mathcal I}$	Drilling Dura	ition :	(hr)
Left at :	Dul		Complet	ion SW	'L (G.L) :	3(m)	) D	epth of Li	ft: 13	( m )	

LOCATION SKETCH OF BORE	LOCATION DESCRIPTION OF BORE
FINAL CONSTRUCTION STATUS.  Capped Casing pulled Left for Observation  Equipped Backfilled Others (  ADDITIONAL INFORMATION OF INTEREST ABOUT BORE	LOCATION DESCRIPTION OF BORE    M   M   SE   NE   NW   NW   OF:   52670 2310   8627180     Abandoned   Abandoned
Drilled By H. VANTILBURG Supervised By B. EURROWS	Gatic Used.
Signature of Licenced Driller 6. Sucon	
FOR OFFICIAL USE ONLY	Y
HOW LOCATED: ☐ GPS ☐ TST ☐ SURVEY ☐ HAN	ND PLOTTED  OTHER ( )
ELEVATION OF BORE AHD: (m) From	□ G.L □ TOC
DESCRIPTION OF PROPERTY  ☐ Rural ☐ Reserve	□ VCL □ Min □ Pastoral □ SPL □ E.L ☑ Other
Lease No: Lot No: Sect. No: \$730	Hundred of : BIAGOT Town of :
CLASS OF BORE   TOWN   DOM   DTNV.   A	AGR.   MIN.   PAS.   OTHER
USE OF BORE ☐ PROD. ☐ INV. ☐ IRR. ☐ C	DBS. ☑MON. ☐ ROAD
GRID REFERENCE ☑ AMG ☐ CLARKE Zon	ne: S2 Scale: 1:
EASTING :702310 LATITUDE :	MAP NAME :
	MAP NUMBER :
	ogical Units ( Name ):
GEOPHYSICAL LOG RUN YES / NO Date: /  ☐ Gamma ☐ SP ☐ Camera ☐ Density	/ Depth: (m)
☐ Point Res. ☐ Caliper ☐ Other ( )	TEST PUMP : YES / NO
Date Registered : / / Plotted o	n the map : YES / NO
Officer: Signature:	
Remarks: Commonwealth of Australia	>

As per Water Regulations (2009)

Locatio	of Owner: on/Address	Contro RA MONITO	acted AF B Vinellie	ase ON	Loffe	1			ration No.:	0403	339	
GPS Lo	ocation:	Zone:	The second secon	Other:	Specify:			Easting:		Northing: 86276	56	
From	То	Graelly	301/10	lars of Str	Real Bro	un N ad	Na	me of Drilli Na	ng Company:	PROACTIVE	DRILLIN	D-D
5	12	s. Hstore	Red/	Brown	Mois	4.7	140	Date	Commenced: te Completed:	3/8/3	2017	
									Depth Drilled:	17	(n	n)
								Com	pletion Depth:	12	_ (n	n)
									METHOD OF	DRILLING		
		200					Other	Auger	Rev. Circ.	Rotary Air	Rotary Mud	
							Specify:	-				_
							HC	OLE DIAME			ING FLUID	
							From (m)	To (m)	Dia. (mm)		Туре	
							0	12	115			
		ARS OF CAS								IS OR SCREEN		
From	То	Dia (ID)	Type	From	12	27.22	ia (ID)	the second secon	erture	2	Type	
		SOmm	PUC		, , ,		2mm					
Method	Suspender	/		JIA	No No		Top of Pac Length of F	Packer:		N/A N/A		m) m)
neight o	n casing a	ibove GL.			(m)		Method of	Packer Go	nnection;	MA		
			1		((1))		WATER	BEARING	REDS			
From	MENTING PACKI To	GRAVEL ING Type	Dept From	h (m) To	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pН	Bottle No.	
0.3	0.3	Cerest				/						
0.6	12	travel		/								
STR	ATA / WATE	R SAMPLES	Completio	n Yield:		(L/s	) Method:			Duration:	(1	(hr)
Have he	en 🗆	Will be	Completio		m GL:	-61010	(m)			Depth of Lift:	(	(m)

km
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4
conditions of
9 200
9 200
9 200
VED
VED
VED Y. CHIN
VED
VED Y CHIN 7
VED Y CHIN 7
VED Y CHIN 7 Other

As per Water Regulations (2009)

Location	f Owner: n/Address		F Bu	by ( se I e ONI	offey creen?	\		Registr BC Per	ration No.:	040	340
Intended GPS Lo	d Use: ocation:	MONITO Zone: 5 2		Other:	Specify:			Easting:		Northing: 8627	468
From	To 1.2	Granly	1 501/10	Mars of Str	Ped/Bron	Down		Na	ng Company: ame of Driller: ervising driller	PROACTIVE MARIUS U	DRILLING WEATHERALS
12	5	siltstor	, Red/I	Brown,	moist.	7		Date	Commenced: e Completed:	4/8/	2017
			3707							. 7	
									Depth Drilled:	12	(m)
								Comp	oletion Depth:		(m)
									METHOD OF		
2							Other	Auger	Rev. Circ.	Rotary Air	Rotary Mud
		-					Specify:	DLE DIAME	TER	DRILL	ING FLUID
						×	From (m)	To (m)	Dia. (mm)	5.110	Type
		10000					110111 (111)	17	115		171
From	To (	ARS OF CASI Dia (ID) 50mm	Type	From	To \Z	Di	PARTICULA a (ID)	Ar	erroration perture	IS OR SCREE	N STRINGS Type
4											1
Method:				JIA	No A		Top of Pac Length of F	acker:		NA	(m
Height of	f Casing a	bove GL:			(m)		Method of I	Packer Cor	nnection:	NA	
ori	AENITING.	GRAVEL	I		(m)		WATER	BEARING	BEDS		
From O.	PACKI To		Dept From	h (m) To	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	рН	Bottle No.
0.6	0.6	Bertonik Gravel.					/				
					/						
			I.	1	1	1					
STRA	ATA / WATE	R SAMPLES	Completion	n Yield:		(L/s)	Method:			Duration:	(h

			H OF BORE RN		LOCATIO		
\$5 E4	1					200	) 6km /
E					NW 🗆	North 🔲	NE 🗹
~					West 🗆	4 T	East 🗆
1		_			sw 🗆	South	SE []
{	A 7	( 1			OF T.L	usechou	
1		ore	1/				
~	0	D COHON	11		of Bo	1990) F	2018
- (	17/6	9	11			m.	0, )
1	n	The same of the sa	RAAI		Fi	toor do	` .
	n	~ ~~	Golf (				
			6017 10	ourse,			
FITZER D	IR.	1 1	$\sim$				
		1 9					
<b>↑</b>	1.1	1					
	111	, 1	\				
	1 1 1		. \				
FINAL CONST	TRUCTION STAT	us	3/				
Capped	Casing Pulled	Left for Obs.	Abandoned	Equipped	Backfilled	Other	
. 9	Ů						
ADDITIONAL	INFORMATION A	BOUT THE BORE	: (Include any into	ormation which may	y assist for future re	eference)	risc
			17.00	v.	K () (1990) 300 (00) (1990) (1		
MAG	11	N6 0					
1015	MINOLINE	116 0	YJIA				
		W W	. ~ ~ /				
,							
,							
, ;				ent within 28 days	of completion of an	v works	
Note: The holder	of the NT licence	shall submit the for	rm to the Department correct, and tha	f I have complied y	of completion of an		and conditions o
Note: The holder	of the NT licence	shall submit the fo	rm to the Department correct, and tha	f I have complied y	of completion of an with the bore licens		and conditions o
Note: The holder certify that the i	of the NT licence information contain action Permit as is	shalf submit the for ned above is true an sued if a Bore Cons	rm to the Department correct, and tha	f I have complied y			_
Note: The holder certify that the inthe Bore Construction MARWS	of the NT licence	shall submit the for ned above is true as sued if a Bore Cons (RALD)	rm to the Department correct, and the struction Permit was DLIOIO	t I have complied vas required.	with the bore licens	ing requirements	and conditions o
Note: The holder certify that the inthe Bore Construction MARWS	of the NT licence information contain iction Permit as is	shall submit the for ned above is true as sued if a Bore Cons (RALD)	rm to the Department correct, and the struction Permit was DLIOIO Signature and	f I have complied y	with the bore licens		_
Note: The holder I certify that the inthe Bore Construction  MARWS Name a	of the NT licence information contain iction Permit as is	shall submit the for ned above is true as sued if a Bore Cons (RALD)	rm to the Department correct, and the struction Permit was DLIOIO Signature and	It I have complied vis required.	with the bore licens	ing requirements	_
Note: The holder I certify that the inthe Bore Constru  MARWS Name a	of the NT licence information contain action Permit as is weather and licence number cocated:	shall submit the formed above is true as sued if a Bore Construction of driller:	rm to the Department correct, and that struction Permit was DL \ O \ O Signature and FOR OFFICIAL	It I have complied varieties required.  Ilicence number of AL USE ONLY	with the bore licens	ing requirements  Date:	1212
Note: The holder I certify that the inthe Bore Construction  MARWS Name a	of the NT licence information contain action Permit as is weather and licence number cocated:	shall submit the formed above is true as sued if a Bore Construction of driller:	rm to the Department correct, and that struction Permit was DL \ O \ O Signature and FOR OFFICE	It I have complied version to the second of	licensed driller:	Date: Other	1212
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As per Water Regulations (2009)

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As per Water Regulations (2009)

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MW188

#### THE NORTHERN TERRITORY OF AUSTRALIA APPROVED FORM 21 (25/01/2011) STATEMENT OF BORE

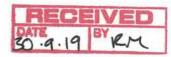
As per Water Regulations (2009)

Name of Ow Location/Add	fress: 2	6 Harn	ey of L	offe. Jani	ila.		ration No.:	0404	156
Intended Use GPS Location		GDA99 OH	ONLY her: Specify	<i>y</i> :		Easting: 70130	28	Northing: 8627 0	060
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							METHOD OF	DRILLING	
					Other	Auger	Rev. Circ.	Rotary Air	Rotary Mud
					НС	LE DIAME	ETER	DRILL	ING FLUID
					From (m)	To (m)	Dia. (mm)		Type
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4									
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Height of Casir	ng above GL:			m) m)	Method of F	Packer Con	nection:	NA	
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	CKING	Depth (n		SWL	Duration (hr)	Quality	EG	pH	Bottle
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From T	5 Cerent Bestonge	From	10 (L's)						5 24
From T 0.3 0.4	5 Cerent Bestonge	From	10 (Us)				2 2 300		
Prom T T D O. 0.3 0.6 12	5 Cerent Bestonge	From  Completion Yie		(L/s)			1 2 300	Duration:	(hr)

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FINAL CONST	TRUCTION STAT	US					
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#### STATEMENT OF BORE



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

Name of Street a /NT Pa	ddress	Darwin air po Bagot Rd	opposite		nnings	щ	Bore BCP Pe	stration No : Name: ermit No:	RN 4 BCP	1027		
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3	13	Heathered Siltstone.	Brown &	gella	<i>j</i>		Date	Commenced:	24-	4-19		
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SB 0815

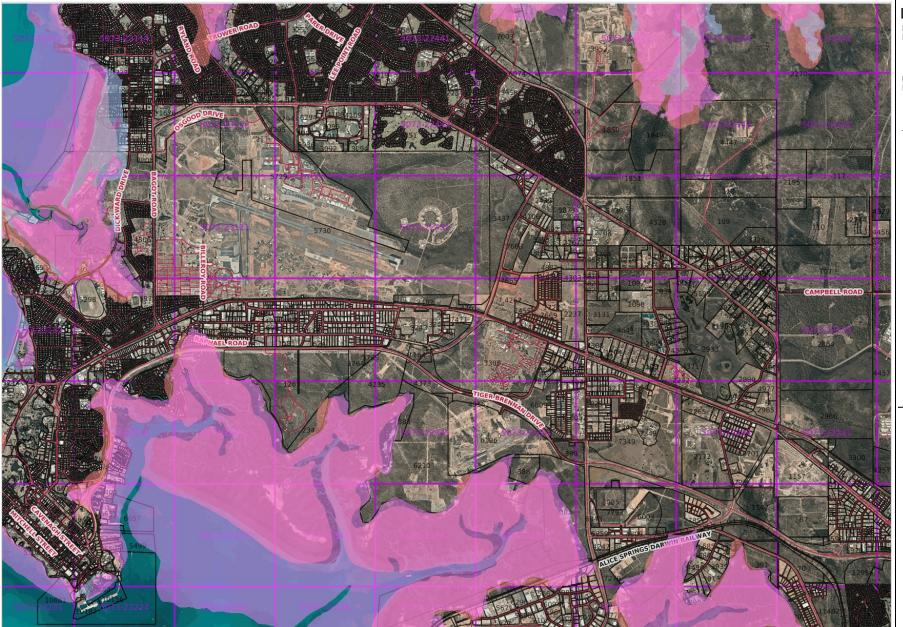
## **Appendix E**

**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

### 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** 













DARWIN O.P.M.

2-11-77 ⊲≥

U.T.

Kevron Aerial Surveys, Perth, W.A



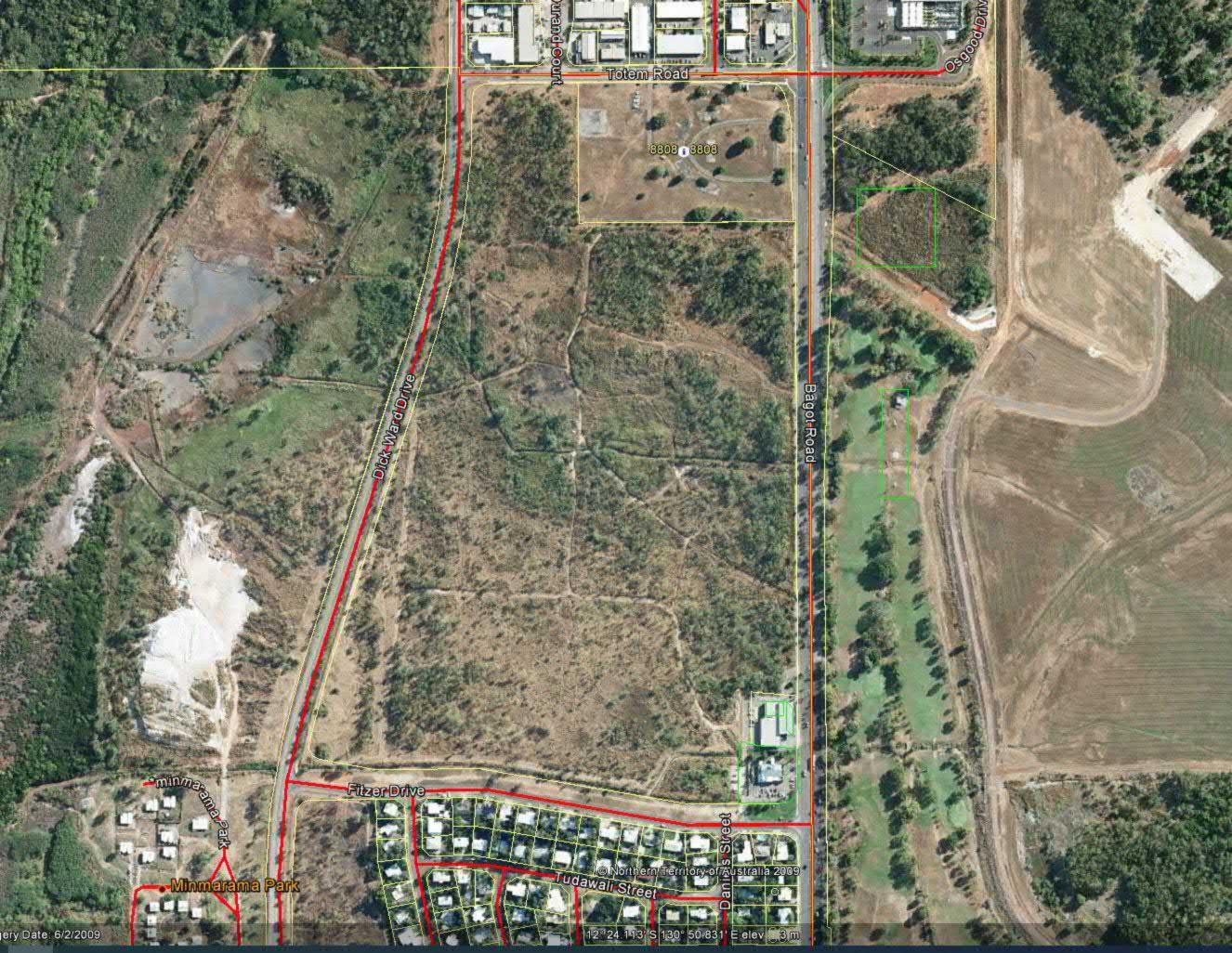
13/6/90 792m AMSL

N.T. GOVERNMENT

RUN 11 027-070

CST

DARWIN 1990 1:5000









# **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
Dute	Number	
		Previous title is <b>Volume</b> 821 <b>Folio</b> 005
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
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/I - 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 Dealin	gs	•

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.

Date Registered: 16/10/2018 Volume 829 Folio 478

### **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 & amp; 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
Page 3 of 2 Searched on 20/10/2020 at 09:38:22 by Y	′GK



# **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

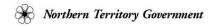
Electricity supply Easement to Power and Water Authority

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**



# **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/

### 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**

#### **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

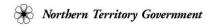
17/07/1997 Land

17/07/1997 Hostel

01/08/1982 Land

# Custodian - Property Purchasing (+61 8 8999 6886)

### **Acquisitions**



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 & New

Verandah Addition to House '11'

**Number of Residental Units:** 

Australian Bureau of Statistics Type: (none found)

**Building Class:**Area:
Non-habitable building
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 Residental Units: 1

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea: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 Residental 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 & Additions to Restaurant

**Number of Residental 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 Residental Units: 0

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea:0 square metres

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

Application Number: 14 of 30

**Description:** SHADE STRUCTURES (MCDONALDS)

Number of Residental Units:

Australian Bureau of Statistics Type: (none found)

**Building Class:**Area:
Non-habitable building
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 Residental Units: 6

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea: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 Residental Units: 0

Australian Bureau of Statistics Type: Flats or units of one to two storeys

**Building Class:**Area:
Single Dwelling
81 square metres

**Certification:** Single Dwelling - Full Code - *issued on* 12/10/1995

Application Number:9 of 30Description:SHADE

Number of Residental Units:

Australian Bureau of Statistics Type: (none found)

**Building Class:**Area:
Non-habitable building 34 square metres

Certification: Non-habitable building - Full Code - issued on 19/10/1994

**Application Number:** 4 of 30 **Description:** 10 HOUSES

Number of Residental 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 Residental Units: 0

Australian Bureau of Statistics Type: (none found)

Building Class: Residential (other than 1 or 2)

Out building

Area: 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

#### **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

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

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

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

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

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

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

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

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

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.





# **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

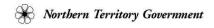
Electricity supply Easement to Power and Water Authority

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**



# **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/

### 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**

#### **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 Residental 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 Residental Units:** 

Australian Bureau of Statistics Type: (none found)

**Building Class:**Area:
Non-habitable building
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 Residental 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 Residental 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 Residental Units:

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea:0 square metres

**Certification:** Single Dwelling - Full Code - *issued on* 18/03/2003

Application Number: 28 of 34

**Description:** ADDITIONS - HOUSE 3

Number of Residental Units:

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea:0 square metres

**Certification:** Single Dwelling - Full Code - *issued on* 18/03/2003

Application Number: 27 of 34

**Description:** BATHROOM RENO - HOUSE 2

Number of Residental Units: 0

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea:0 square metres

Certification: Single Dwelling - Full Code - issued on 18/03/2003

**Application Number:** 26 of 34

**Description:** BATHROOM RENO - HOUSE 1

Number of Residental Units: 0

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea:0 square metres

**Certification:** Single Dwelling - Full Code - *issued on* 18/03/2003

Application Number: 25 of 34

**Description:** BATHROOM RENO - HOUSE 11

Number of Residental Units: 0

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Single DwellingArea: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 Residental Units: 0

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Boarding HouseArea: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 Residental 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 Residental Units: 0

Australian Bureau of Statistics Type: (none found)

**Building Class:**Area:
Non-habitable building
15 square metres

**Certification:** Non-habitable building - Full Code - *issued on* 23/12/1997

**Application Number:** 20 of 34

**Description:**BEDSITTER ACCOMODATION UNITS

Number of Residental Units: 3

Australian Bureau of Statistics Type:Separate HouseBuilding Class:Boarding HouseArea:150 square metres

**Certification:** Boarding House - Full Code - *issued on* 01/07/1997

**Application Number:** 18 of 34

**Description:** ACCOMMODATION

Number of Residental 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

**Application Number:** 17 of 34 **Description:** HOUSE

Number of Residental Units:

Australian Bureau of Statistics Type:(none found)Building Class:Single DwellingArea:0 square metres

**Certification:** Single Dwelling - Full Code - *issued on* 15/11/1994

Application Number:16 of 34Description:HOUSE

Number of Residental Units: 1

Australian Bureau of Statistics Type:(none found)Building Class:Single DwellingArea:195 square metres

**Certification:** Single Dwelling - Full Code - *issued on* 18/02/1994

**Application Number:** 15 of 34

**Description:** NURSING HOME

Number of Residental Units:

Australian Bureau of Statistics Type: (none found)
Building Class: Public

Area: 660 square metres

**Certification:** Public - Full Code - *issued on* 17/11/1993

Application Number: 12 of 34

**Description:** ADD TO HOUSE PERMIT NO 10

Number of Residental Units:

Australian Bureau of Statistics Type: (none found)
Building Class: House

Area: 30 square metres

Certification: House - Full Code - issued on 31/01/1989

Application Number:11 of 34Description:HOUSENumber of Residental Units:0

Australian Bureau of Statistics Type: (none found)
Building Class: House

Area: 100 square metres

Certification: House - Full Code - issued on 24/10/1988

**Application Number:** 10 of 34 **Description:** RESIDENTIAL

Number of Residental Units: 0

Australian Bureau of Statistics Type: (none found)
Building Class: House

**Area:** 950 square metres

Certification: House - Full Code - issued on 31/01/1989

Application Number:8 of 34Description:HOUSENumber of Residental Units:0

Australian Bureau of Statistics Type: (none found)
Building Class: House

Area: 88 square metres

**Certification:** House - Full Code - *issued on* 08/08/1988

Application Number:7 of 34Description:HOSTEL

Number of Residental Units: 0

Australian Bureau of Statistics Type: (none found)

**Building Class:** Residential (other than 1 or 2)

Area: 820 square metres

**Certification:** Residential (other than 1 or 2) - Full Code - *issued on* 25/11/1988

**Application Number:** 3 of 34

**Description:** HOUSES 4 OFF

Number of Residental Units: 4

Australian Bureau of Statistics Type: (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

### **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

### **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**

### **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

#### **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

## **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

### **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

#### **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

**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

Registered Date	Dealing Number	Description	
		Previous title is <b>Volume</b> 812 <b>Folio</b> 452	
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/I - 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 Dealin	ıgs	•	

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.

Date Registered: 31/08/2017 Volume 821 Folio 005

**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 & Damp; 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.

- 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

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

# Title is Cancelled

# **SEARCH CERTIFICATE**

# **CROWN LEASE IN PERPETUITY 00671**

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

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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
		Previous title is <b>Volume</b> 812 <b>Folio</b> 430
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/I - 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 Dealin	gs	

Commencement Date: 27th August, 1987

**Expiring Date: In Perpetuity** 

Reservations:

1. Reservation of right of entry and inspection.

Date Registered: 21/07/2016 Volume 812 Folio 452

# **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 & Damp; 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.

- 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

**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

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#### 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
		Previous title is <b>Volume</b> 727 <b>Folio</b> 022
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/I - 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 Dealin	gs	

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.

Date Registered: 21/07/2016 Volume 812 Folio 430

**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;
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Date Registered: 11/07/2008

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

# Title is Cancelled

# **SEARCH CERTIFICATE**

# **CROWN LEASE IN PERPETUITY 00671**

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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	
		Previous title is <b>Volume</b> 727 <b>Folio</b> 020	
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/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 Dealin	ıgs		

Commencement Date: 27th August, 1987

**Expiring Date: In Perpetuity** 

#### Reservations:

1. Reservation of right of entry and inspection.

Date Registered: 11/07/2008 Volume 727 Folio 022

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

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

# Title is Cancelled

# **SEARCH CERTIFICATE**

# **CROWN LEASE IN PERPETUITY 00671**

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## Easements:

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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	
		Previous title is <b>Volume</b> 727 <b>Folio</b> 018	
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	
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End of Dealin	as	•	

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:**

Date Registered: 11/07/2008 Volume 727 Folio 020

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

**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

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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	Dealing		
Date	Number	Description	
		Previous title is <b>Volume</b> 726 <b>Folio</b> 979	
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/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 Dealin	gs		

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.

Date Registered: 11/07/2008 Volume 727 Folio 018

# **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 & amp; 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.

- 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.

Volume 726 Folio 979

# Date Registered: 11/07/2008

**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

Registered	Dealing		
Date	Number	Description	
		Previous title is <b>Volume</b> 720 <b>Folio</b> 207	
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/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 Dealin	gs		

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.

Date Registered: 11/07/2008 Volume 726 Folio 979

# **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 & amp; 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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- 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: 10/12/2007

**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

Registered Date	Dealing Number	Description	
		Previous title is <b>Volume</b> 720 <b>Folio</b> 206	
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/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 Dealin	gs		

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.

Date Registered: 10/12/2007 Volume 720 Folio 207

**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 & Damp; 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.

- 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: 10/12/2007

**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

Registered Date	Dealing Number	Description	
Date	Number	Description	
		Previous title is <b>Volume</b> 454 <b>Folio</b> 100	
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/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 Dealin	gs		

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.

Date Registered: 10/12/2007 Volume 720 Folio 206

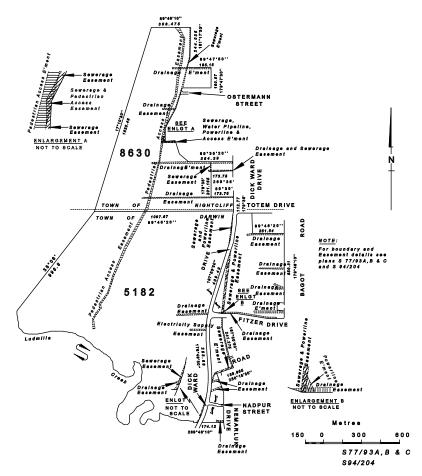
# **Duplicate Certificate as to Title issued?** No

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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- 4. For the purposes of sections 63 & amp; 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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- 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.

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



Date Registered: 17/01/1996

**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

Registered	Dealing		
Date	Number	Description	
		Previous title is Register BookCUCL Volume 200 Folio 013	
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/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 Dealin	gs		

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.

Date Registered: 17/01/1996 Volume 454 Folio 100

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

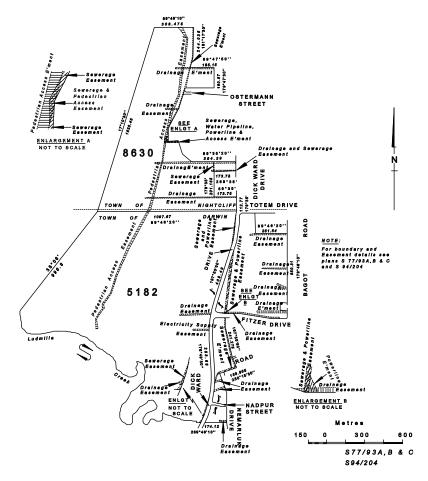
2. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee, with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations,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

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- 4. For the purposes of sections 63 & amp; 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.

- 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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- 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: 17/01/1996

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



Volume 200 Folio 013

# Date Registered: 28/08/1987

**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

Registered Date	Dealing Number	Description
		Previous title is <b>Register Book</b> CUCL <b>Volume</b> 159 <b>Folio</b> 042
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 Dealin	gs	•

**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

Date Registered: 28/08/1987 Volume 200 Folio 013

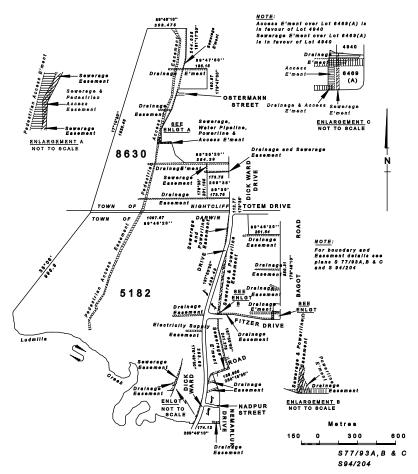
# **Duplicate Certificate as to Title issued?** Yes

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.

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- 6. If the Lessee fails to observe and caary 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.

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



Volume 159 Folio 042

# Date Registered: 23/08/1979

**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

Registered	Dealing	
Date	Number	Description

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.

Volume 159 Folio 042

# Date Registered: Not Recorded

**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

Registered Dealing

Date Number Description

Previous title is **Register Book**CUCL **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.

Volume 159 Folio 042

# Date Registered: Not Recorded

**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

Registered Dealing

Date Number Description

**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

## 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 Derwin 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-appraisement 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

Mav

One thousand nine hundred and seventy nine



\*CUCL/159/0424\*

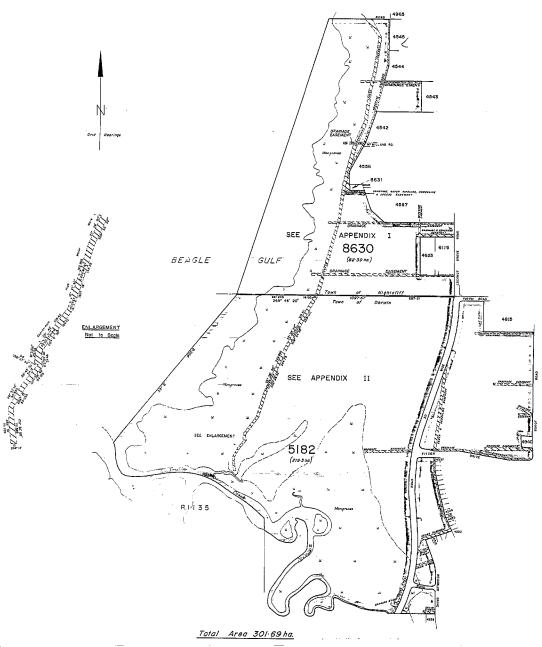
The lessee covenants with the Minister as follows-

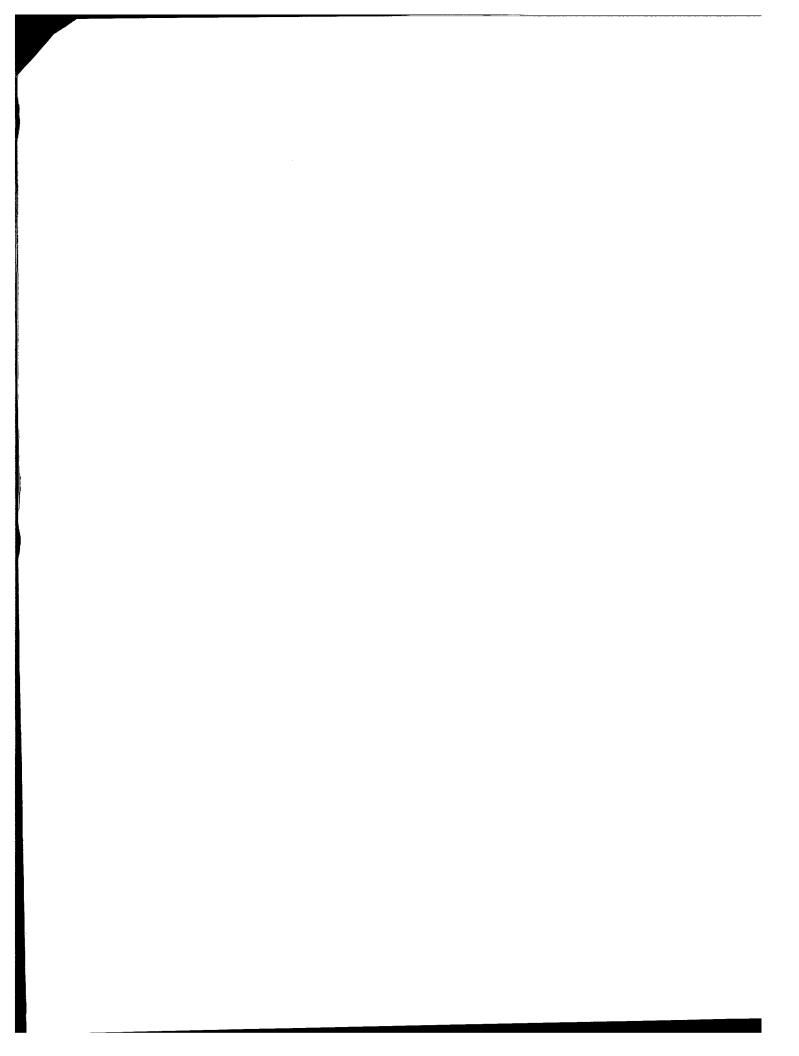
- 1. That the lessee will pay the rent annually in advance;
- 2. That the lessee will use the land only for the purposes for which it is leased; viz: Special Community Development
- 3. That the lessee will pay all rates and taxes which may at any time become due in respect of the leased land;
- 4. That 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 Kinister 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. Miandscaped may include natural cover over all or part of the landscaped area.
- 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 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 lesse.
- 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.

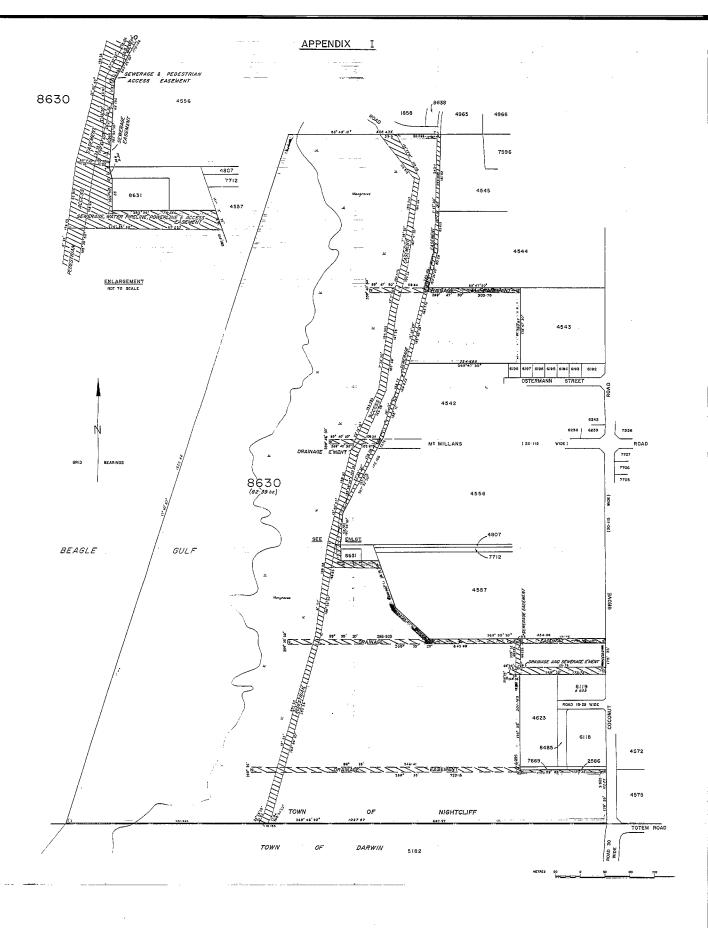
THE TERRITORY COVENANTS WITH THE LESSEE AS FOLLOWS -

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

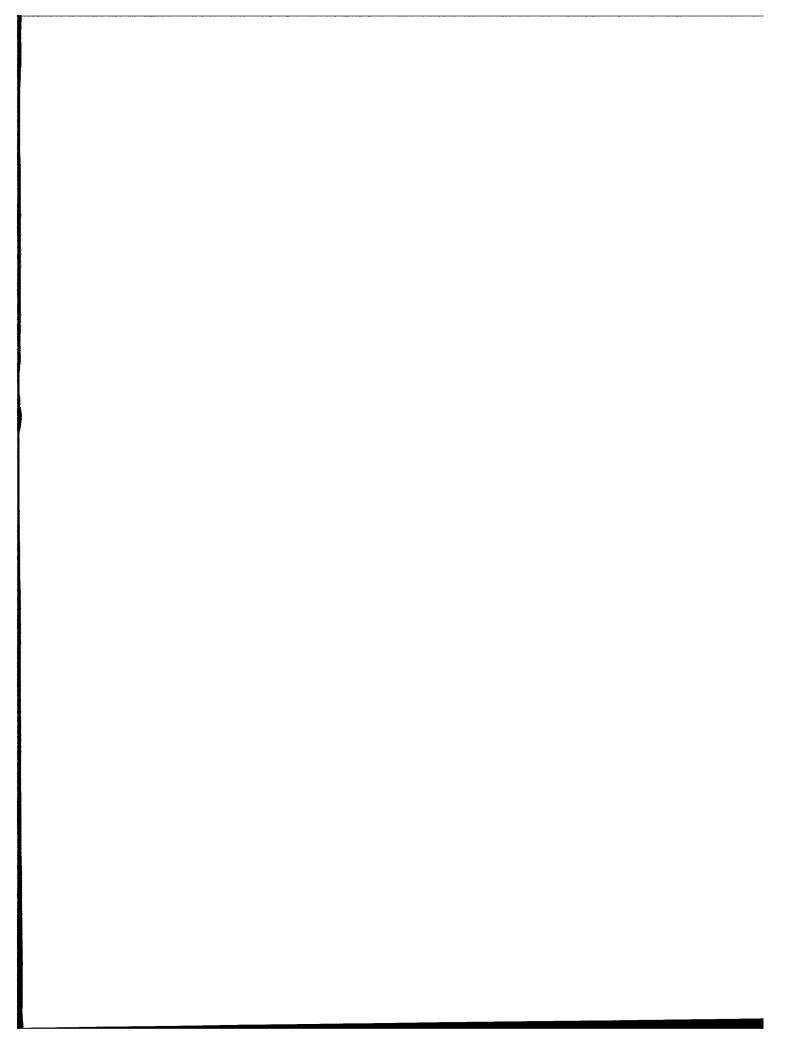
the Delegate of the Minister SIGNED SEALED and DELIVERED by JOSEPH SARIB SEAL 4550CLATION DARANIKI STEWART FOGARTY (Secretary) GWALMY THE WRENCE TREVES (Treasurer) IN WITNESS whereof the Common Seal of COMMON SEAL GWALWA DARANIKI ASSOCIATION INCORPORATED was hereinto affixed the Twenty Third SECRETARY GWILAMARINYI (President) day of August 1979: ACORPORATED MINMARAMA (Member) TOPSY SECRETARY JUNINGA (Member)

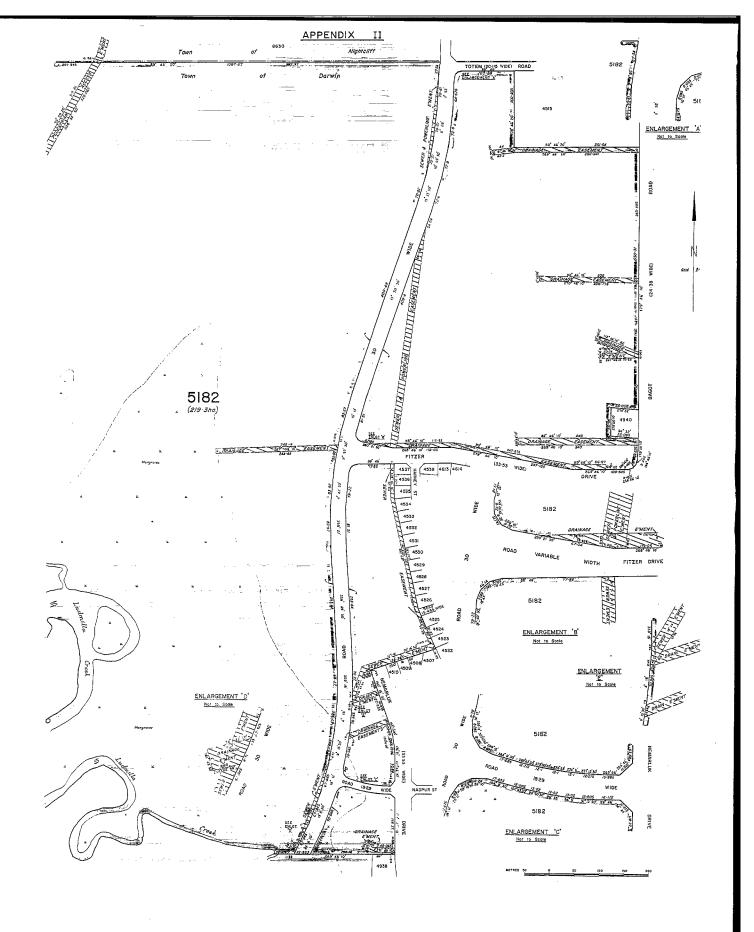




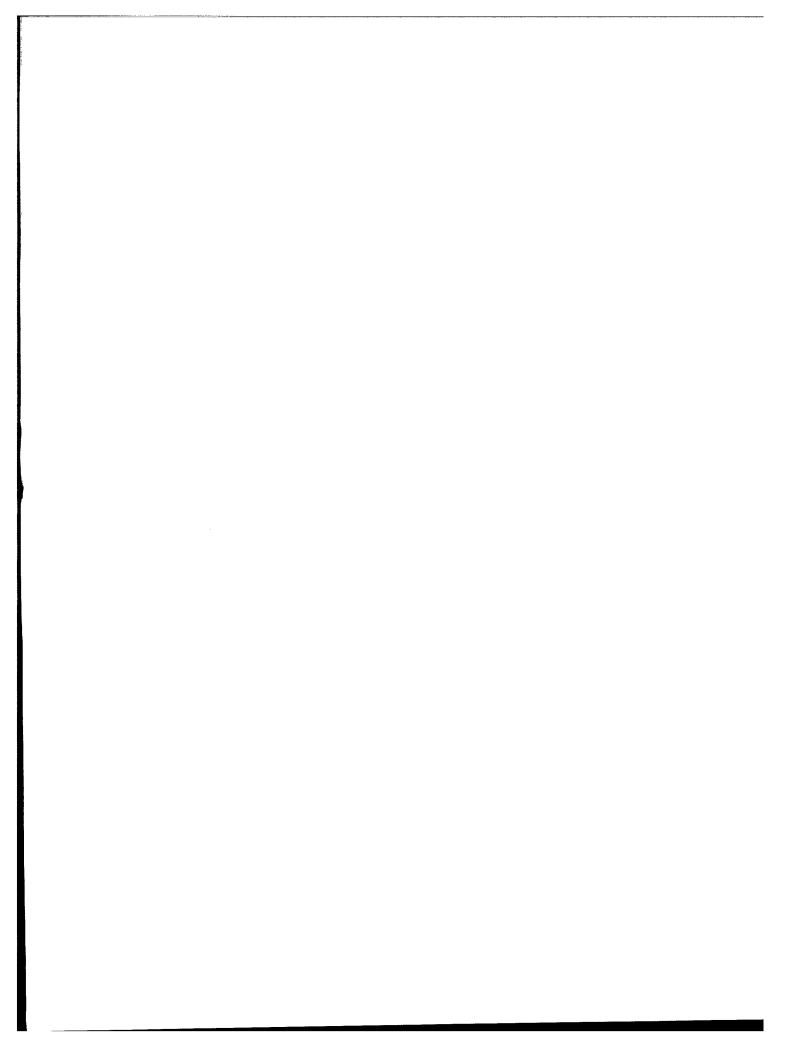












PLAN REFERRED TO

ENCUMBRANCES REFERRED TO:

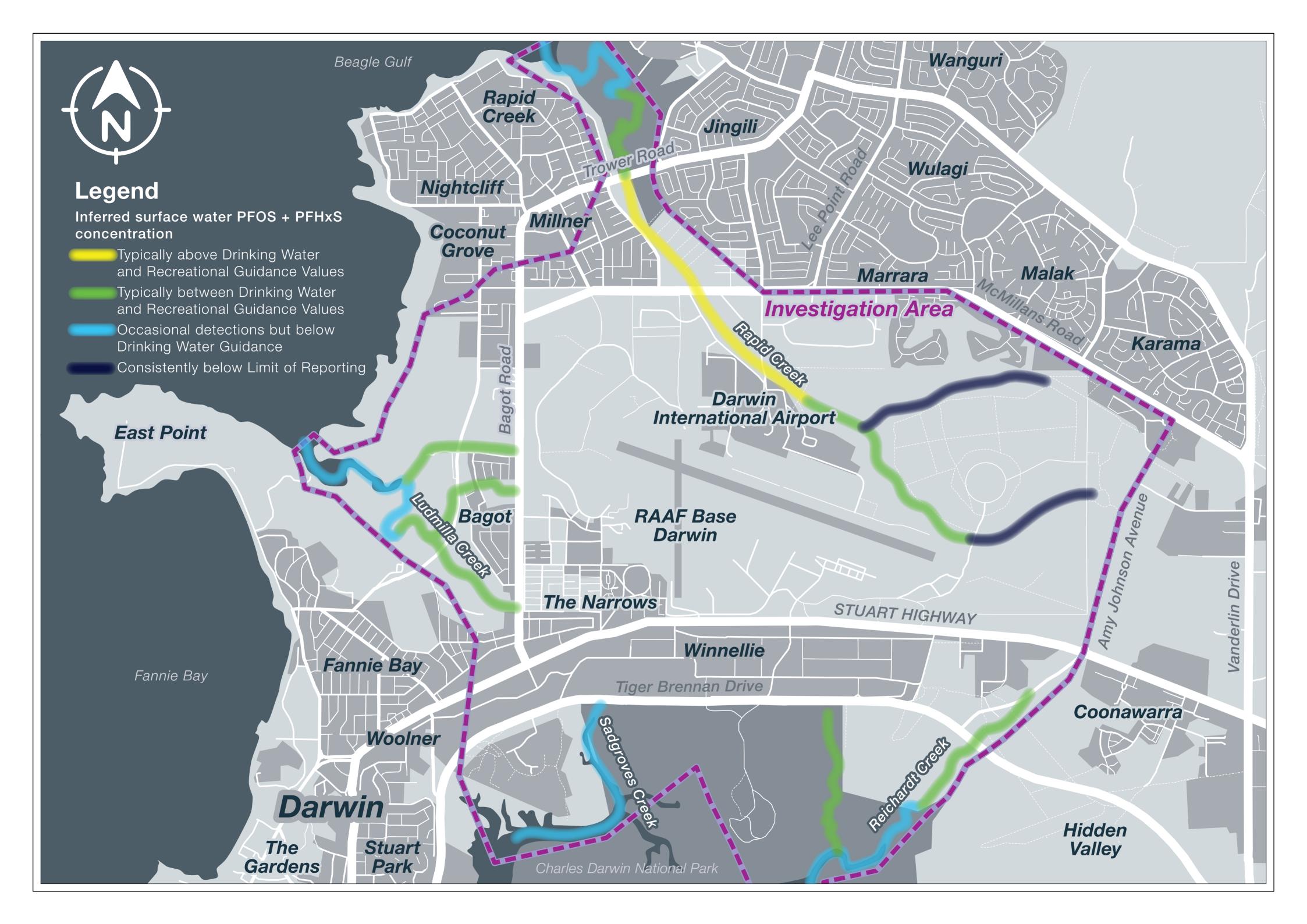
I certify that this Lease is correct for execution.

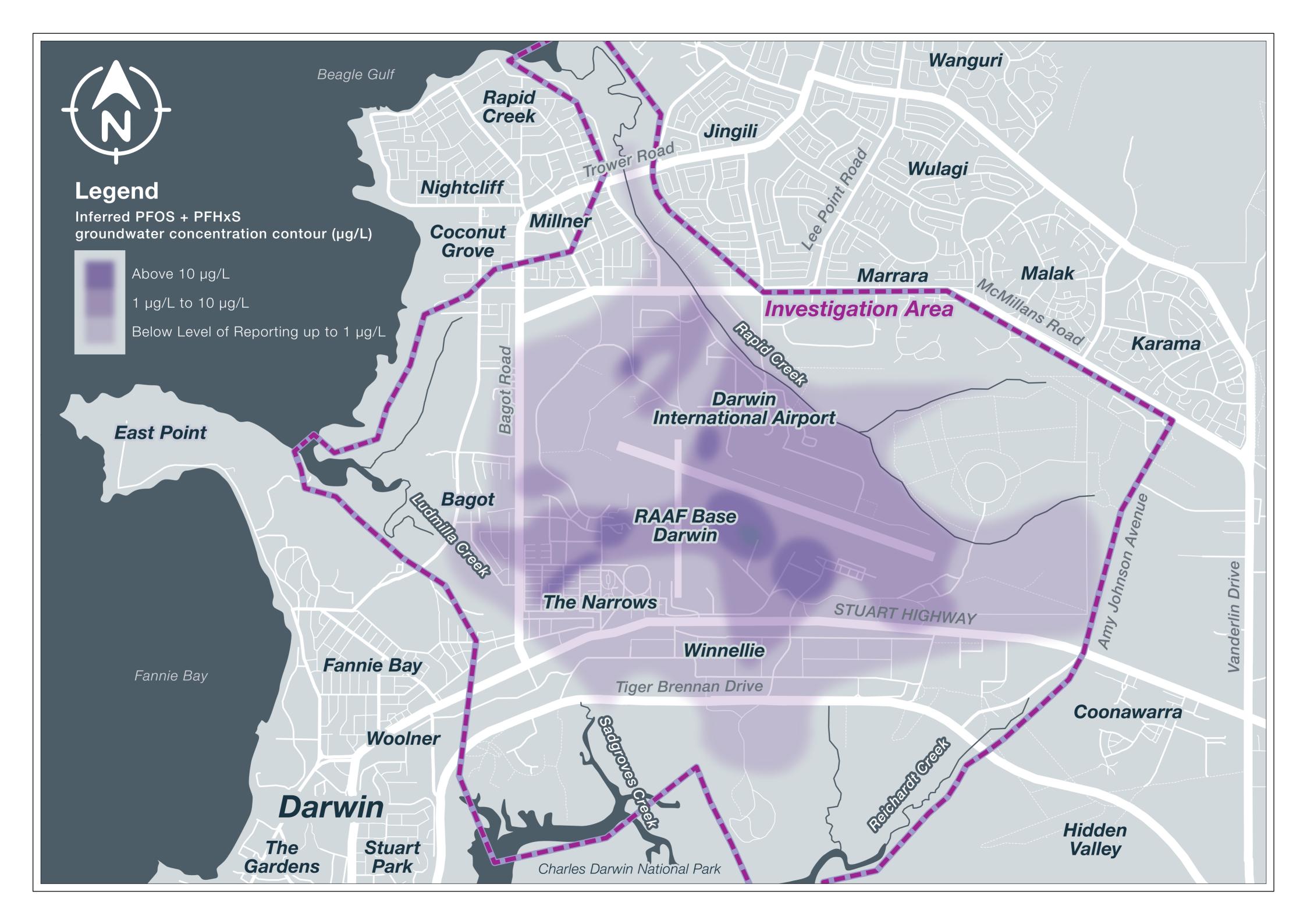
Surveyor-General, N.T.

6174/87 SR	Delivery Book No	
SR	Nature of Ins- trument	
193155	Delivery Nature Registration Book of Ins- No trument Number	
78.8.72	Date of Registration	
11.37.14	Time of Registration	
LAWFULLY SURRENDERED		ABBREVIATIONS T — Transfer M — Morigage SL — Lease/Sub-lease
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		- Correction/Change Name - Transmission Application - Caveat
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	Signature of	

# **Appendix H**

**Department of Defence Maps** 





# **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: E**vidence of fly tipping, including building demolition waste and suspected ACM along northern boundary of Lot 5.



 $\textbf{Photograph 05:} \ \textbf{Suspected ACM within stockpiles on the northern boundary of Lot 5.}$ 



**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.



 $\textbf{Photograph 10:} \ \, \textbf{Evidence of fly tipping in Lot 3.}$ 

# **Appendix J**

**Master Lot Subdivision Plan** 

# **Appendix K**

**Laboratory Reports** 



DARWIN 0800

# **SAMPLE RECEIPT NOTIFICATION (SRN)**

Work Order : ES2034141

Client : SLR Consulting Australia Pty Ltd Laboratory : Environmental Division Sydney

Contact : Sarah Dorherty Contact : Tyler Anderson

Address : Unit 5 21 Parap Rd Address : 277-289 Woodpark Road Smithfield

NSW Australia 2164

 Telephone
 : --- Telephone
 : +61 2 8784 8555

 Facsimile
 : --- Facsimile
 : +61-2-8784 8500

Project : 680.30031 Dickward Page : 1 of 2

 Order number
 : --- Quote number
 : ES2020HEGAUS0010 (SY/470/20)

 C-O-C number
 : --- QC Level
 : NEPM 2013 B3 & ALS QC Standard

Sampler : Sarah Dorherty

**Dates** 

Date

**Delivery Details** 

Mode of Delivery: UndefinedSecurity Seal: Not AvailableNo. of coolers/boxes: ---Temperature: 8.9' C SYDReceipt 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.

Issue Date · 01-Oct-2020

Page

2 of 2 ES2034141 Amendment 0 Work Order

Client : SLR Consulting Australia Pty Ltd



## Sample Container(s)/Preservation Non-Compliances

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

• No sample container / preservation non-compliance exists.

## Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such Asbestos Identification in Bulk Solids (Excluding as the determination of moisture content and preparation tasks, that are included in the package. If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component OLID - EA200B Matrix: SOLID Client sample ID Laboratory sample Client sampling ID date / time 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

## Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

## Requested Deliverables

## **ACCOUNTS PAYABLE AU** A4 - AU Tax Invoice (INV)

- A4 - AU Tax Invoice (INV)	Email	accountspayableau@slrconsulting.c om
PAUL TURYN		
- *AU Certificate of Analysis - NATA (COA)	Email	pturyn@slrconsulting.com
<ul> <li>*AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)</li> </ul>	Email	pturyn@slrconsulting.com
<ul> <li>*AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)</li> </ul>	Email	pturyn@slrconsulting.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	pturyn@slrconsulting.com
- A4 - AU Tax Invoice (INV)	Email	pturyn@slrconsulting.com
- Chain of Custody (CoC) (COC)	Email	pturyn@slrconsulting.com
- EDI Format - ESDAT (ESDAT)	Email	pturyn@slrconsulting.com
- EDI Format - XTab (XTAB)	Email	pturyn@slrconsulting.com
Sarah Dorherty		
- *AU Certificate of Analysis - NATA (COA)	Email	sdoherty@slrconsulting.com
<ul> <li>*AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)</li> </ul>	Email	sdoherty@slrconsulting.com
<ul> <li>*AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)</li> </ul>	Email	sdoherty@slrconsulting.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	sdoherty@slrconsulting.com
- A4 - AU Tax Invoice (INV)	Email	sdoherty@slrconsulting.com
- Chain of Custody (CoC) (COC)	Email	sdoherty@slrconsulting.com
- EDI Format - ESDAT (ESDAT)	Email	sdoherty@slrconsulting.com
- EDI Format - XTab (XTAB)	Email	sdoherty@slrconsulting.com



CHAII	N OF CUSTOD	CHAIN OF CUSTODY DOCUMENTATION	<b>4TION</b>		BRISBANE: Level 2, 15 Astor  PROJECT		y Parade,	GOLD COAST: 194 Varsity Parade, DEWCASTIE: 10 Kings Road, New Varsity Lakes, QLD 4227		AUCKLAND: 68 Beach Road, Auckland 1010 NZ
SLR Cons	SLR Consulting Australia Pty Ltd	td			OFFICE CANBERRA: GPO 410, Canberra, ACT 2500		MACKAY: 21 River Street, Mackay, UNACKAY: 3 QLD 4740	MACKAY: 21 River Street, Mackay, PERTH: Ground Floor, 503 Murray QLD 4740	503 Murray	NELSON: 5 Duncan Street, Port Nelson, 7010 NZ
ABN 29 C	ABN 29 001 584 612				(Tick one) 🔀 DARWIN: Unit 5, 21 Parap Road Parap Road		MELBOURNE: Suite 2, 2 Domville MELBOURI Avenue, Hawthorn, VIC 3122 Avenue, H	MELBOURNE. Suite 2, 2 Dornville   ROCKHAMPTON: Avenue, Hawthorn, VIC 3122   rockhampton@stronsulting.com		NEW PLYMOUTH: Level 2, 10 Devon Street East, New Plymouth, 4310 NZ
CLIENT: 5	CLIENT: SLR Consulting		,		LABORATORY: ALS	: ALS			round Tir	COC Number
PROJECT:	PROJECT: Dickward				LABORATORY ADDRESS:	ADDRESS:			(TAT)	1 of 1
PROJECT	PROJECT NUMBER: 680,30031				SAMPLER: Sarah Doherty	ah Doherty				
PROJECT	PROJECT MANAGER: Sarah Doherty	erty			SAMPLER CONTACT No:	ITACT No:			Non Standard or Urgent TAT	Jrgent TAT
PM CONT	PM CONTACT No: 0417 647 498				Email Reports	and invoices to: sdoher	Email Reports and Invoices to: sdoherty@slrconsulting.com; pturyn@slrconsulting.com;	ıryn@slrconsulting.com;	Required TAT: Standard	70
COMMEN ALS quote	COMMENTS OR ADDITIONAL DIRECTIONS: ALS quote SY-470-20	RECTIONS:			REQUESTED SISYANA	gnibliud ni A\9 zo			НОГР	Additional Information (Comment on any gross contamination or specific
No.	Sample ID		Date & Time	Matrix (Soil, water, ACM, etc)	Containers and Preservatives					Control
	PSI-1		30/09/2020	Fragment	1xbag	х				Suspect not ACM
7	PSI-2	,	30/09/2020	Fragment	1xbag	x				Suspect ACM
ς)	PSI-3		30/09/2020	soil	1xbag	х				beneath weathered A
		,		**				Sydney Work Order Reference		
								ES2034141		
		-			;		` .			
-							93	[		
l attest tha Relinquish	I attest that the praper field sampling I Relinquished By Sampler	attest that the proper field sampling procedures were used during the collection of these samples.  Sign	g the collection o		Date/Time B/9/20	Received by	Sign Q	Date / Tim	3:00m	Temperature Received:
Relinguished By	ed By	Sign			Date / Time	Received by	Sign	Cim ALC Date/Tim	Date / Time OI · (O.)	
Refind vished By	ed By	Sign			Date / Time	Received by	Sign	Date / Time	ne & 30an	
							-			



# **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

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



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

C-O-C number

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.

Signatories Position Accreditation Category

Alana Smylie Asbestos Identifier Newcastle - Asbestos, Mayfield West, NSW Page : 2 of 4 Work Order : ES2034141

Client : SLR Consulting Australia Pty Ltd

Project : 680.30031 Dickward

## **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

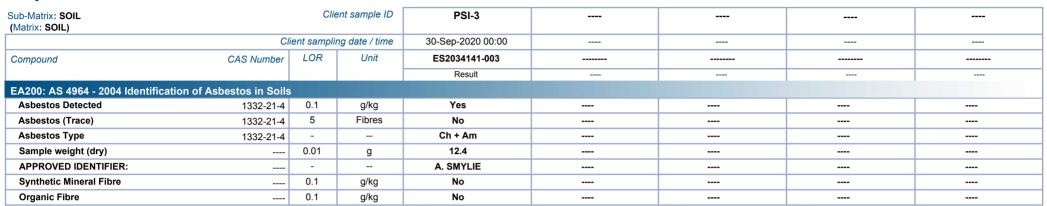


Page : 3 of 4
Work Order : ES2034141

Client : SLR Consulting Australia Pty Ltd

Project : 680.30031 Dickward

## Analytical Results





Page : 4 of 4 ES2034141 Work Order

: SLR Consulting Australia Pty Ltd : 680.30031 Dickward Client

Project

# Analytical Results



Sub-Matrix: SOLID (Matrix: SOLID)		Clie	ent sample ID	PSI-1	PSI-2	 	
	C	ient sampli	ng date / time	30-Sep-2020 00:00	30-Sep-2020 00:00	 	
Compound	CAS Number	LOR	Unit	ES2034141-001	ES2034141-002	 	
				Result	Result	 	
EA200: AS 4964 - 2004 Identification	of Asbestos in bulk	samples					
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: SOIL							
Method: Compound	Client sample ID - Client sampling date / time	Analytical Results					
EA200: AS 4964 - 2004 Identification of Asbesto	s in Soils						
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							
EA200: AS 4964 - 2004 Identification of Asbestos in bulk samples							
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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