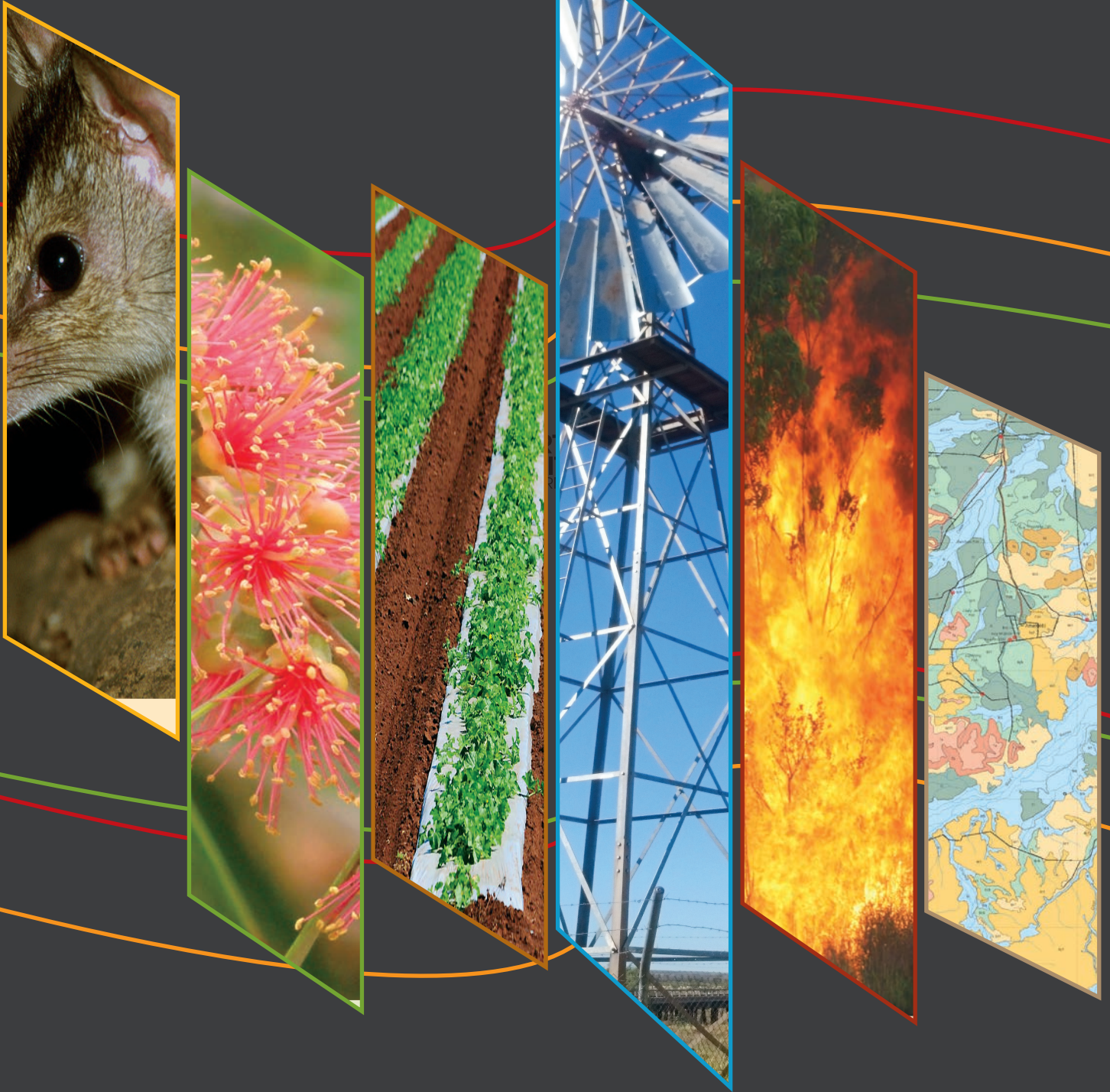


# PRODUCT CATALOGUE 2016



## **Product Catalogue 2016**

**Department of Land Resource Management (DLRM)**

**GPO Box 496, Palmerston NT 0830**

### **Citation**

Sinordin. R, Product Catalogue 2016. Report number 06/2016D.

Spatial Data and Mapping Unit, Water Resources Division, Department of Land Resource Management, Palmerston, Northern Territory.

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Report No. 06/2016D

### **Acknowledgements**

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Also thanks to Rudy Lim from Spatial Data and Mapping Unit for the location maps and the many people who have contributed photographs.

## **Front cover**

Northern Quoll (Ian Morris), Grevillea pungens (Ian Cowie), Windmill (Liza Schenkel), Gamba grass fire (Bushfires NT) and Victoria River District base map (Steven Tickell).

## **What DLRM Delivers**

- Delivers the primary natural resource mapping and spatial data in the Northern Territory. The corporate products are sourced from the Flora and Fauna Division, Rangelands Division, Water Resources Division and Bushfires NT.
- Provide advice and support for the sustainable development of the Northern Territory's land and water and conservation of its unique native flora and fauna.
- Provide support and advice to landholders in the management and mitigation of wildfire in the Northern Territory.

## **Purpose of Catalogue**

This catalogue is an inventory of DLRM's natural resources digital data, printed maps and technical reports. It provides a comprehensive list of products organised into six themes: Fauna, Flora, Land, Water, Bushfires, Maps and Reports.

All DLRM products are available free of charge and distributed under a [Creative Commons Attribution 4.0 International License](#) (CC BY 4.0).

## **Spatial Data and Mapping (SDM) Unit**

SDM provide spatial information and cartography services for DLRM and is responsible for spatial data management and delivery of DLRM products that includes natural resources maps, spatial datasets and technical reports.

SDM has developed and maintains the DLRM's web mapping application Natural Resources Maps (NR MAPS) for online dissemination of natural resource GIS layers and associated products, together with spatial data layers sourced from other Northern Territory Government (NTG) agencies.

# FOREWORD

## Gateway to DLRM Products

DLRM products are available from one of the portals below.

## NR MAPS

Connect to NR MAPS at <http://nrmaps.nt.gov.au>

A web based application for viewing, interrogating and mapping of natural or cultural data and information. NR MAPS enables you to select themes of data, display their geographical extent on a map and view the information or data available for each individual data point or polygon. Data downloads available as Shapefile, MapInfo Interchange File, AutoCAD DXF and Excel spreadsheet.

## NRDDBPROD

An Oracle spatial dissemination database often referred to as “Single point of truth” database. This database has varying level of access for data custodians, DLRM staff, other NTG agencies and the public.

## DLRM FTP Server

DLRM corporate data are available as free spatial data bundles download from our FTP server. Each bundle contains spatial data in ESRI format (GDB and shapefiles), auxiliary data such as LUT table, metadata link, maps and reports in PDF format. The free data is in the folder **/outgoing/FREE\_DLRM\_DATA**.

The FTP server can be accessed from any web browser at <https://ftp-dlrnt.gov.au>. Guest login details are **Account: dlrmguest** and **Password: darwin**

## For more information and technical support please contact:

Spatial Data and Mapping Unit, DLRM

P: 61 (08) 899 94577

Email: [datarequests.dlrnt.gov.au](mailto:datarequests.dlrnt.gov.au)

Web: <https://nt.gov.au/environment/environment-data-maps/environment-data-requests>

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 **FAUNA**



 **FLORA**



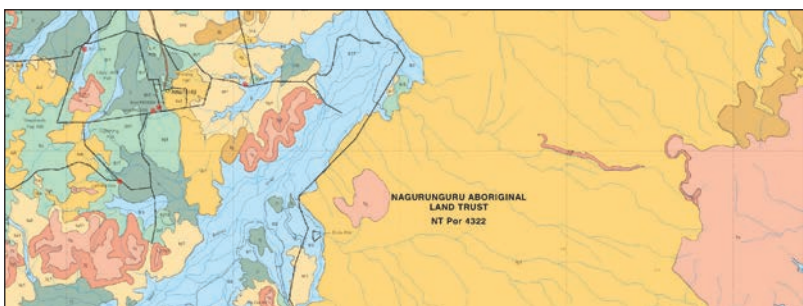
 **LAND**



 **WATER**



 **BUSHFIRES**



 **MAPS & REPORTS**

# FAUNA



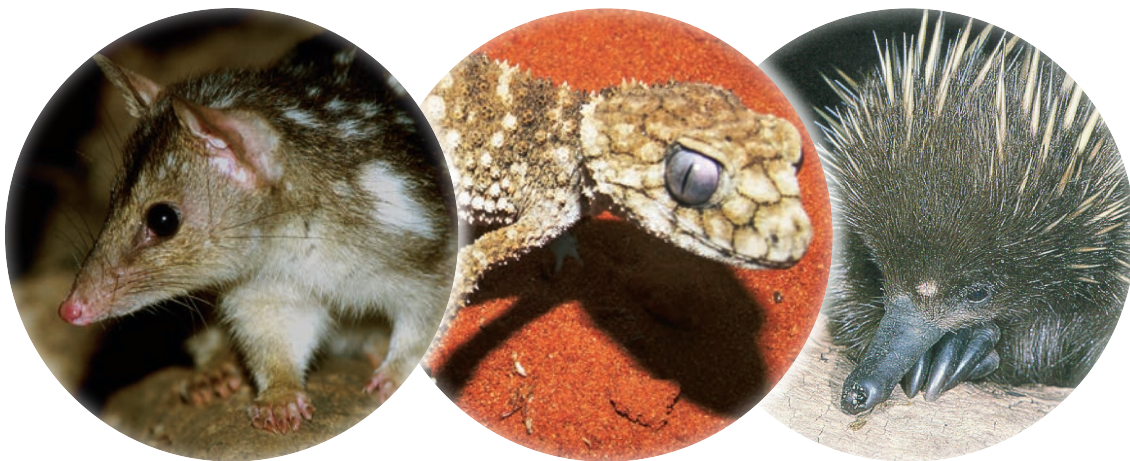


## Spatial Gateway

### INTRODUCTION

The Flora and Fauna Division provide scientific assessment and monitoring of the Territory's native flora and fauna assets and delivery of policy, advice, support relating to their conservation, management and sustainable use.

Other functions of the Division include increasing knowledge base of the Territory unique flora and fauna assets; threatened and significant species habitats protection; mitigating the negative impact of feral animals; promoting economic opportunities of sustainable use of wildlife; implementing flora and fauna monitoring systems and provision of a wide range of flora and fauna data and information to other NTG agencies and external stakeholders.



## DoIFIN DATABASE

DoIFIN is a coastal dolphin photo-identification system for long-term monitoring of 3 species of Northern Territory dolphins; Australian snubfin (*Orcaella heinsohni*), Indo-Pacific humpback (*Sousa chinensis*) and the Indo-Pacific bottlenose (*Tursiops aduncus*) in Darwin Harbour, Shoal Bay and Bynoe Harbour. The program aim is to detect change, beyond natural spatial and temporal variation, in coastal dolphin abundance and distribution during the near shore construction activities in Darwin Harbour, including pre and post INPEX construction phase monitoring.

Data are recorded on data sheets and images taken are stored in an Oracle database. Currently it holds approximately 10,000 photo records of megafauna sightings plus associated environmental records and track log records.

Technical Detail	
Source Information	Flora and Fauna Division - Marine Ecosystem Unit
Coverage	Territory Wide
Currency	2013 - 2016
Coordinates	GDA94 Latitude/Longitude
Format	Oracle Database with web based user interface
Contact Name	Tony Griffiths
Contact Phone	(08) 899-55004

## BIODIVERSITY DATABASE (MALA)

The key aim of this database is to develop and implement a high quality information system that comprehensively captures all the relevant Northern Territory biodiversity information. Data assembling, managing, storing and querying is completed using ArcGIS software and web based user interface. Data will be stored in Oracle database replacing the existing data stored on individual project folders on local machines or internal servers.

Technical Detail	
Source Information	Flora and Fauna Division
Coverage	Territory Wide
Currency	In development
Coordinates	GDA94 Latitude/Longitude
Format	Oracle Database with web based user interface
Contact Name	Damian Milne and Neil Smit
Contact Phone	(08) 899-55016 and (08) 899-55051

## INVERTEBRATE ATLAS NT

The Invertebrate Atlas is a database of insects collected using systematic survey methods developed by the Flora and Fauna Division, as well as various other incidental records and data sources. The Invertebrate Atlas is stored on a local computer server (CCS-BAS10) and will eventually be incorporated into the MALA database.

Technical Detail	
Source Information	Flora and Fauna Division - Terrestrial Ecosystem Unit
Coverage	Territory Wide
Currency	2014
Coordinates	GDA94 Latitude/Longitude
Format	MS Access Database
Contact Name	Damian Milne
Contact Phone	(08) 899-55016

## FAUNA ATLAS NT

The Fauna Atlas NT is a database of all bird, mammal, reptile and frog species records for the Northern Territory. The records include presence information, date, time, and location of sighting. As well as data collected by our scientists, this atlas includes information from museums, environmental consultants, naturalist, other researchers and historical accounts. New information is constantly added to the database and it contains over 1 million records.

Technical Detail	
Source Information	Flora and Fauna Division
Coverage	Territory Wide
Currency	July 2014
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats and Oracle Database available
Contact Name	Damian Milne
Contact Phone	(08) 899-55016

## SITES OF CONSERVATION SIGNIFICANCE

This dataset identifies 67 sites of significance for biodiversity conservation in the Northern Territory, of which 42 considered of International Conservation Significance and 25 sites of National Conservation Significance. There are 29 sites are in the Arid Centre, 12 in the Savannah Region and 26 in the Top End. Figure 1 shows the sites of conservation significance in the NT.

Technical Detail	
Source Information	Flora and Fauna Division
Coverage	Territory Wide
Currency	2009
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats and Oracle Database available
Contact Name	Brydie Hill
Contact Phone	(08) 895-50235

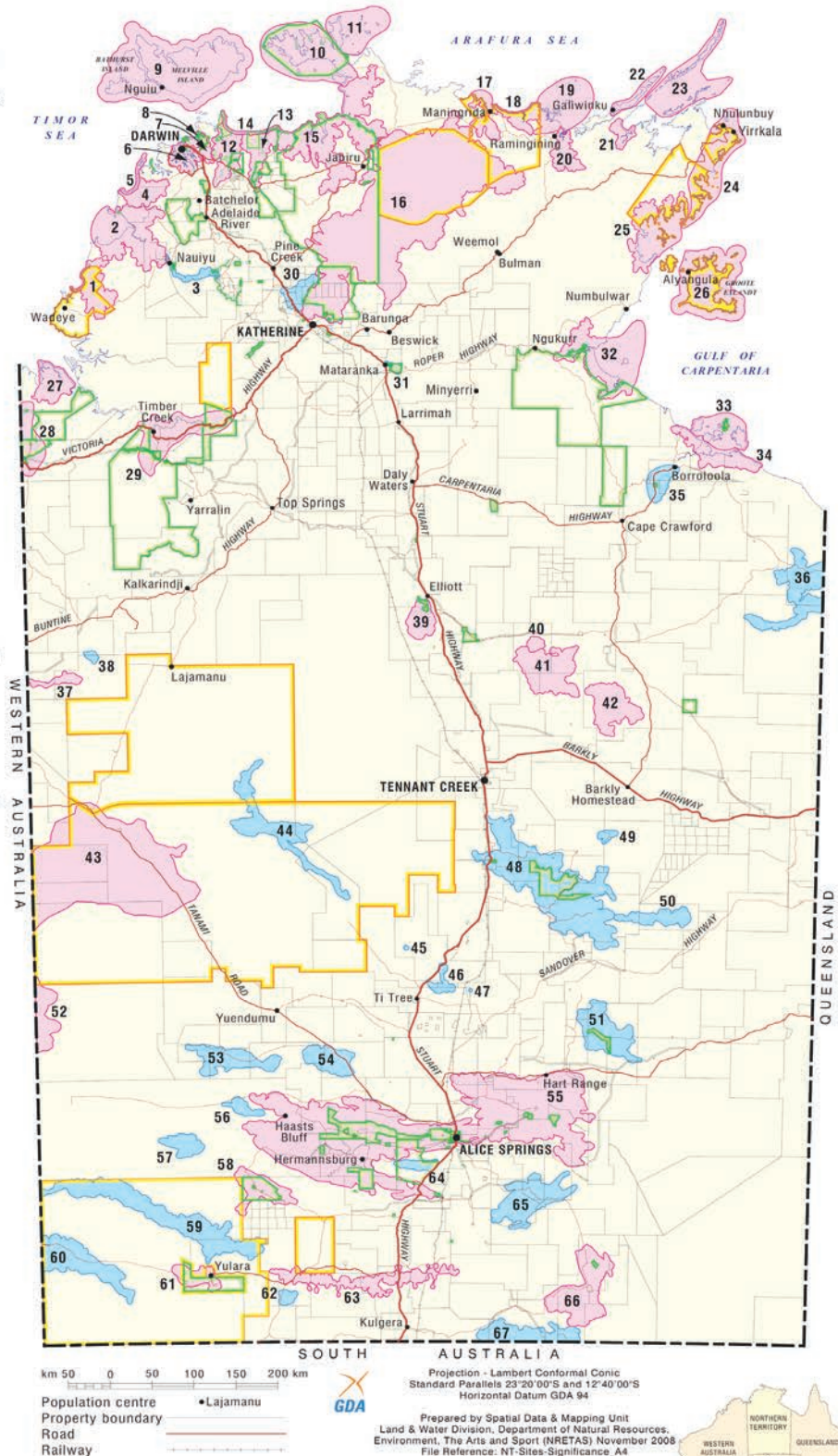
# SITES of CONSERVATION SIGNIFICANCE in the NT

**Northern Territory Government**  
 RECOGNISING SITES OF CONSERVATION SIGNIFICANCE FOR BIODIVERSITY VALUES IN THE NORTHERN TERRITORY

Site of International Significance  
 Site of National Significance

- 1 Hyland Bay and associated coastal floodplains
- 2 Anson Bay and associated coastal floodplains
- 3 Daly River middle reaches
- 4 Finniss River coastal floodplain
- 5 Fog Bay
- 6 Darwin Harbour
- 7 Howard sand plains
- 8 Shoal Bay
- 9 Tiwi Islands
- 10 Cobourg Peninsula
- 11 Croker Island group
- 12 Adelaide River coastal floodplain
- 13 Mary River coastal floodplain
- 14 Chambers Bay
- 15 Alligator Rivers coastal floodplains
- 16 Western Arnhem Plateau
- 17 Maningrida coastal habitats
- 18 Boucaut Bay and associated coastal floodplains
- 19 Castlereagh Bay and associated islands
- 20 Arafura Swamp
- 21 Buckingham Bay and associated coastal floodplains
- 22 Elcho Island group
- 23 Wessel and English Company island groups
- 24 Gove Peninsula and north-east Arnhem coast
- 25 Blue Mud Bay and associated coastal floodplains
- 26 Groote Eylandt group
- 27 Legune coastal floodplain
- 28 Keep River area
- 29 Victoria River middle reaches and Gregory area
- 30 Yinberrie Hills
- 31 Mataranka thermal pools
- 32 Limmen Bight and associated coastal floodplains
- 33 Sir Edward Pellew island group
- 34 McArthur River coastal floodplain
- 35 Borrooloola area
- 36 Wollgorang and China Wall sandstone ranges
- 37 Birrindudu wetlands
- 38 Nongra Lake
- 39 Lake Woods
- 40 Eva Downs Swamp
- 41 Tarrabool Lake
- 42 Lake Sylvester system
- 43 South-west Tanami Desert
- 44 Lake Surprise and the Lander River floodout swamps
- 45 Mud Hut Swamp
- 46 Anmatyerr North
- 47 Wood Duck Swamp
- 48 Davenport and Murchison Ranges
- 49 Frew River floodout swamps
- 50 Elkedra River floodout swamps
- 51 Dulcie Range and surrounds
- 52 Lake MacKay
- 53 Newhaven Lakes
- 54 Lake Lewis and surrounds
- 55 Greater MacDonnell Ranges
- 56 Mount Liebig and surrounds
- 57 Cleland Hills and surrounds
- 58 George Gill Range and surrounds
- 59 Lake Amadeus and Lake Neale
- 60 Petermann Ranges and surrounds
- 61 Uluru and surrounds
- 62 Mount Conner and surrounds
- 63 Karinga Creek paleodrainage system
- 64 Waterhouse Range
- 65 Rodinga Range and adjacent ranges
- 66 Andado and Snake Creek lakes
- 67 Beddome Range and Wilyunpa Tablelands

Park/Reserve  
 Indigenous Protected Area, Declared or Consultation Project



Scale: 0 50 100 150 200 km  
 Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S and 12°40'00"S  
 Horizontal Datum GDA 94  
 Prepared by Spatial Data & Mapping Unit  
 Land & Water Division, Department of Natural Resources,  
 Environment, The Arts and Sport (NRETAS) November 2008  
 File Reference: NT-Sites-Significance\_A4



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Figure 1: Sites of Conservation Significance in the Northern Territory.

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# FLORA





## Spatial Gateway

### INTRODUCTION

The Northern Territory Herbarium of the Flora and Fauna Division is the primary authority on the identification, distribution and conservation status of Northern Territory plants. Information regarding the naming, taxonomy, status and distribution of plants in the Territory has been collected for over 100 years and is used for a variety of purposes. The Herbarium holds a reference collection of the Northern Territory's flora assists in identifying plants and provides advice/information on threatened flora and introduced plants.

The Land Assessment Unit of the Rangelands Division is the primary provider of vegetation mapping and floristic survey data in the Northern Territory.

Vegetation community, floristic survey data and species nomenclatural and distributional information forms an essential part of biodiversity knowledge and informs numerous aspects of decision making across a range of the Departments core business areas including pastoral land management, biodiversity/land monitoring programs and conservation projects.



## FLORA ATLAS NT

The Flora Atlas NT is a database of all plant records for the Northern Territory. The Flora Atlas is derived from all plant species records and their locations, contained within the Vegetation Site Database (VSD) and HOLTZE. The records include the species scientific and common name, recorded date, location of sighting, conservation status, introduced status and survey information. The Flora Atlas currently contains nearly 1 million plant records.

Technical Detail	
<b>Source Information</b>	Flora and Fauna Division
<b>Coverage</b>	Territory Wide
<b>Currency</b>	March 2014
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Format</b>	Various GIS formats and Oracle Database available
<b>Contact</b>	Damian Milne
<b>Contact Phone</b>	(08) 899-55016

## FloraNT

FloraNT is the primary online resource for information on the Northern Territory's flora. Images and distributions maps, species checklists, flora descriptions, conservation and weed status, ecological attributes, and ethnobotanical information are all available. The Northern Territory has a distinctive flora of more than 4,300 species of native plants, including some 702 endemic species concentrated particularly on the Western Arnhem Land Plateau. While the Northern Territory flora is primarily Australian in origin and occurrence, it naturally includes many species also found in nearby New Guinea, Timor-Leste and eastern Indonesia.

FloraNT also provide access to the Northern Territory Herbarium specimen data which includes over 270,000 vascular plant specimens primarily from across northern Australia, but also Timor and Wetar.

Technical Detail	
<b>Source Information</b>	Flora and Fauna Division
<b>Coverage</b>	Territory Wide
<b>Currency</b>	May 2016
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Format</b>	Oracle Database with web user interface (APEX)
<b>Contact</b>	Donna Lewis
<b>Contact Phone</b>	(08) 899-94532

## HOLTZE

HOLTZE is the plant specimen and data information management system for the Northern Territory Herbarium. Data is accessible to registered users both within NTG and external clients. The primary datasets in HOLTZE are the Herbarium specimen collection database, which maintains specimen collection details, accession status and loan status, and the NT Plant species database (i.e. Platypus) which contains species taxonomic status, threatened species information, ecological and ethnobotanical information.

Technical Detail	
Source Information	Flora and Fauna Division - Herbarium
Coverage	Territory Wide
Currency	1890 - 2014
Coordinates	GDA94 Latitude/Longitude
Format	Oracle Database with web user interface (APEX)
Contact	Ian Cowie
Contact Phone	(08) 899-94511

## SITES OF BOTANICAL SIGNIFICANCE

The Sites of Botanical Significance are areas that are considered to be important for plant conservation generally and specifically for conserving significant plant taxa. Sites are designated as either nationally significant (41 sites), bioregionally significant (79 sites) or of undetermined significance (33 sites). The criteria that were used to select the sites include: the conservation of plant biodiversity, including populations and species of plants, the genetic resources they harbour, the plant communities which they form and the range of ecological and evolutionary processes operating in the landscape.

Technical Detail	
Source Information	Flora and Fauna Division
Coverage	Southern half of the Northern Territory
Currency	2000
Coordinates	GDA94 Latitude/Longitude
Format	ArcGIS Geodatabase
Contact	Brydie Hill
Contact Phone	(08) 895-55023

## SITES OF CONSERVATION SIGNIFICANCE

This dataset identifies 67 sites of significance for biodiversity conservation in the Northern Territory, of which 42 considered of International Conservation Significance and 25 sites of National Conservation Significance. 29 sites are in the Arid Centre, 12 in the Savannah Region and 26 in the Top End. Figure 2 shows the sites of conservation significance in the NT.

Technical Detail	
Source Information	Flora and Fauna Division
Coverage	Territory Wide
Currency	2009
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats and Oracle Database available
Contact	Brydie Hill
Contact Phone	(08) 895-55023

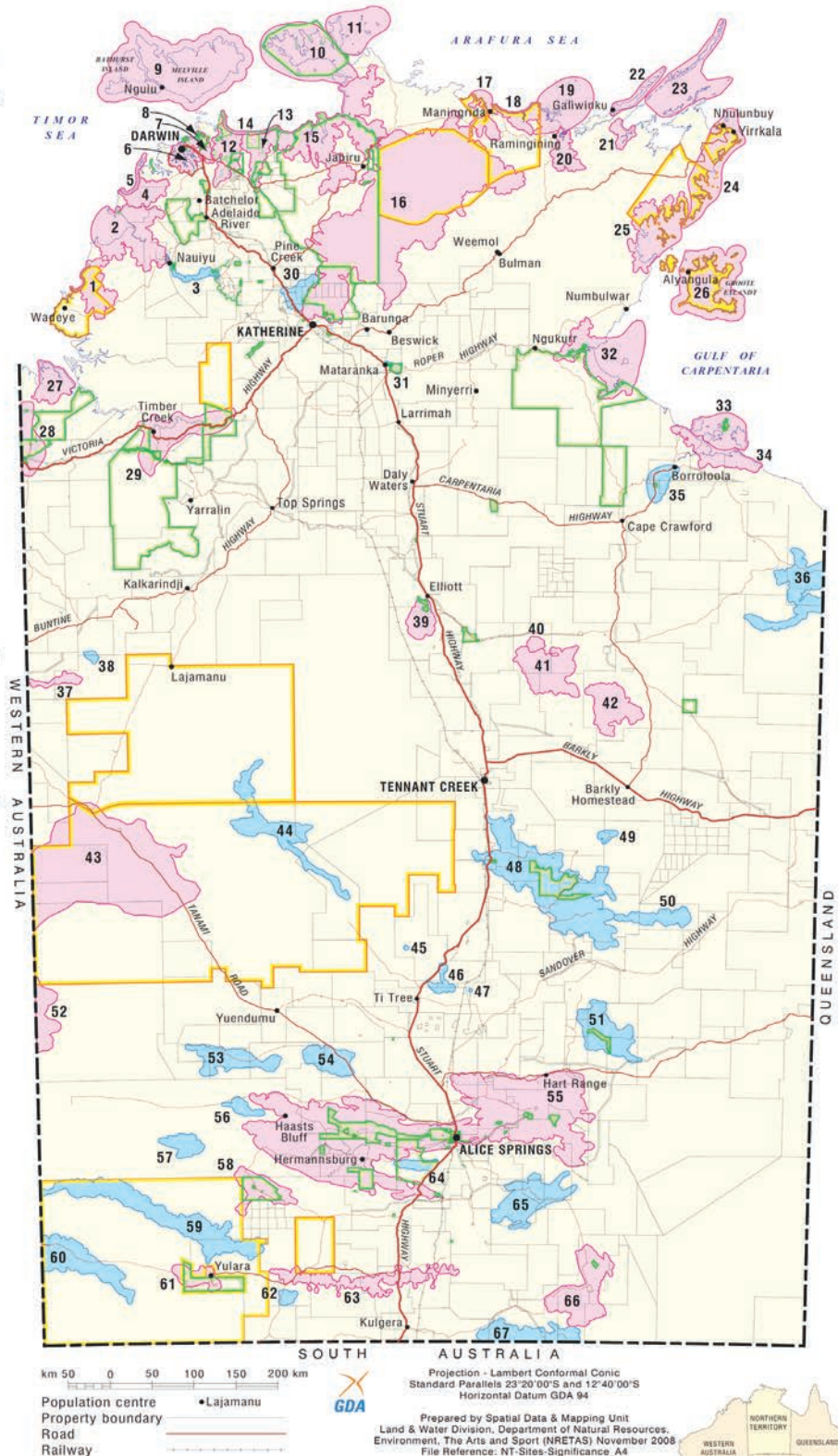
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Park/Reserve  
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Scale: 0 50 100 150 200 km  
 Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S and 12°40'00"S  
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 File Reference: NT-Sites-Significance\_A4



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Figure 2: Sites of Conservation Significance in the Northern Territory.

## VEGETATION SITE DATABASE - VSD

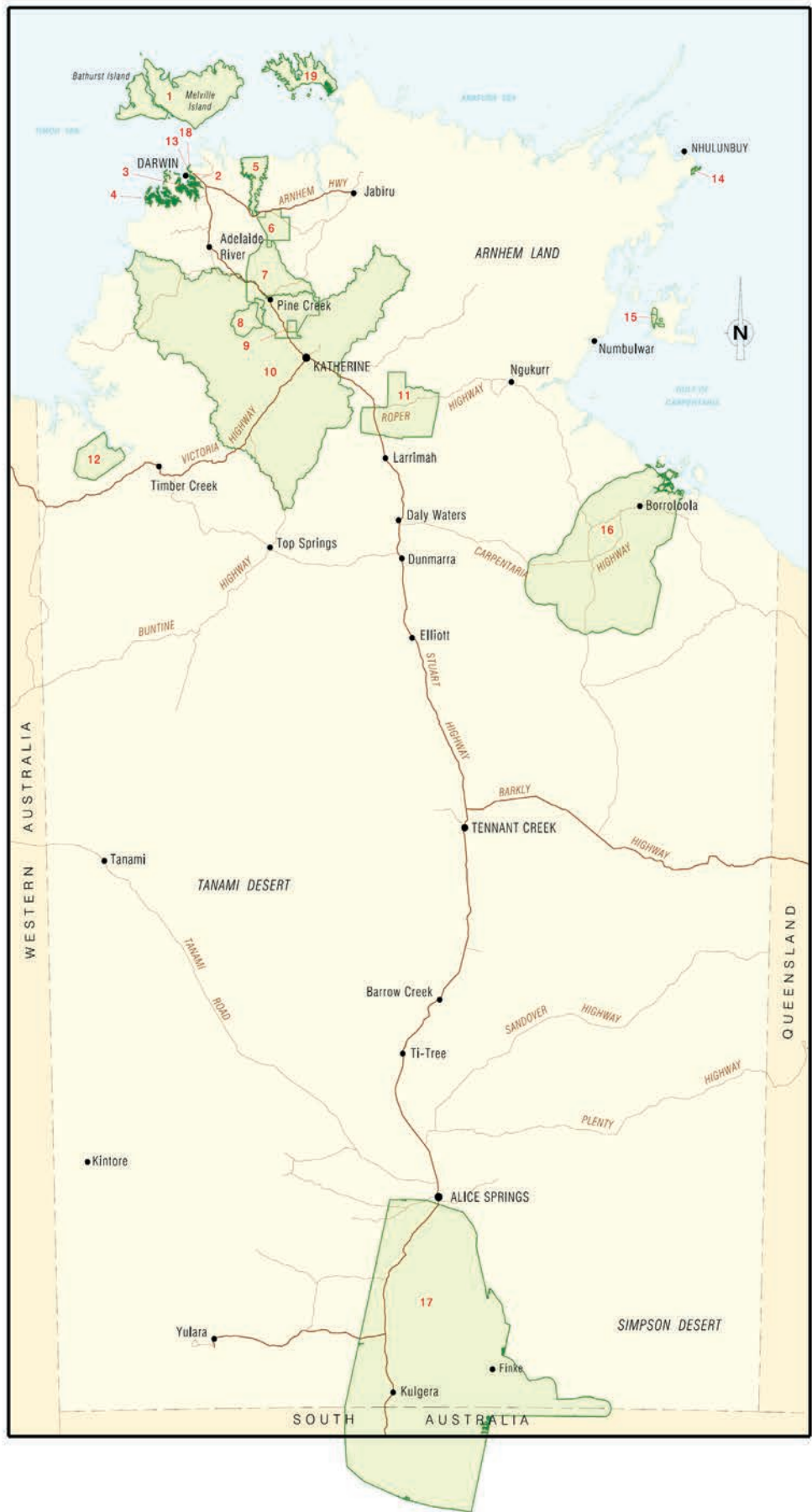
The Vegetation Site Database (VSD) is an information management system for vegetation site data collected in the Northern Territory. It provides comprehensive vegetation, floristic and structural information collected for a range of purposes including land resource surveys, flora surveys, habitat assessments, species assessments (including threatened plant surveys) and vegetation monitoring, as well as presence/absence information for selected species. Data fields are compliant with the National Vegetation Information Systems (NVIS) guidelines (Brocklehurst et al, 2007) and are primarily used for vegetation and land resource mapping purposes. Data is accessible to registered users both internally and externally.

Technical Detail	
Source Information	Flora and Fauna Division and Rangelands Division
Coverage	Territory Wide
Currency	1970 - 2015
Coordinates	GDA94 Latitude/Longitude
Format	Oracle Database with web user interface (APEX)
Contact	Donna Lewis and Damian Milne
Contact Phone	(08) 899-94532 and (08) (08) 899-55016

## VEGETATION RESOURCE INFORMATION

Vegetation mapping is carried out at different levels of detail and scale. Broad scale vegetation surveys from 1: 250 000 to 1: 100 000 describes vegetation at a broad scale. Most vegetation surveys in the NT are undertaken at 1: 50 000 to 1: 100 000 and describes vegetation in catchments, bioregions, national parks and pastoral properties or particular vegetation types such a Melaleuca or Lancewood surveys. Finer and more detailed local surveys are undertaken at 1: 5 000 to 1: 25 000 where specific detail is required.

Vegetation information is also collected and available in Land System and Land Unit surveys. Information on this mapping is provided in the LAND section of this catalogue.



Department of Land Resource Management

## VEGETATION RESOURCES

### Vegetation Surveys

1. Tiwi Islands Generalised Vegetation Cover (1:250,000)
2. Ludmilla Creek Mangrove Survey (1:5,000)
3. Mangrove Survey Darwin Harbour (1:25,000)
4. Mangrove Survey Bynoe Harbour (1:25,000)
5. Mary River Floodplain Vegetation Survey (1:50,000)
6. Mount Bunday Vegetation Survey (1:100,000)
7. Gouldian Finch Habitat Vegetation Survey (1:250,000)
8. Stray Creek Catchment Vegetation Survey (1:25,000)
9. Mount Todd Vegetation Survey (1:50,000)
10. Vegetation Daly Catchment (1:100,000)
11. Eisey Station Vegetation Survey, NT (1:100,000)
12. Bullo River Station Flora And Vegetation Survey (1:25,000)
13. Rapid Creek Catchment Vegetation Survey (1:5,000)
14. Cape Arnhem Vegetation Survey (1:5,000)
15. Flora Survey Western Groote Eylandt (1:50,000)
16. McArthur River Catchment Vegetation Survey (1:100,000)
17. Vegetation Survey Eastern and Southern Finke Bioregion (1:100,000)
18. Casuarina Coastal Reserve Vegetation Survey (1:5,000)
19. Generalised Vegetation Communities of Cobourg Peninsula (1:100,000)



Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00" S & 12°40'00" S  
Horizontal Datum GDA 94

Design File: LR-Vegetation-Surveys-A3\_L94

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Figure 3: Vegetation survey locations in the Northern Territory.

## VEGETATION SURVEYS

Vegetation surveys provide an inventory of the type and the extent of plant communities. These surveys are generally for specific areas not Territory wide. Vegetation resource information is divided into vegetation, native vegetation, remnant vegetation and vegetation cover surveys. Figure 3 shows the location of vegetation surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Unit
Coverage	Specific areas across the Territory
Currency	1989 - 2011
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Bullo River Station Flora And Vegetation Survey	12	BULLO_25	25,000	<a href="#">Bullo River Station Flora And Vegetation Survey and Reconnaissance Soil-Landscape Investigation NT</a>	2010
Cape Arnhem Vegetation Survey	14	CAPEA_5	5,000	Not Available	1993
Casuarina Coastal Reserve Vegetation Survey	18	CASCR_5	5,000	Not Available	1994
Generalised Vegetation Communities of Coburg Peninsula	19	COBVG_100	100,000	<a href="#">Vegetation Communities: Cobourg Peninsula/Garig Gunak Barlu National Park</a>	2010
Vegetation Daly Catchment	10	DALY_100	100,000	Not Available	2011
Elsley Station Vegetation Survey, NT	11	ELSST_100	100,000	Not Available	1993
Gouldian Finch Habitat Vegetation Survey	7	FINCH_250	250,000	<a href="#">The Vegetation of an Area Surrounding the Proposed Batman Mine Site, Edith River, NT</a>	1990
Vegetation Survey and Mapping of the Eastern and Southern Finke Bioregion	17	FINKE_100	100,000	<a href="#">Vegetation Survey and Mapping of the Eastern and Southern Finke Bioregion and the NT Stony Plains Inliers, NT &amp; SA</a>	2011
Flora Survey Western Groote Eylandt	15	GROOT_50	50,000	<a href="#">Flora Survey of the GEMCO Mining Lease on the Western Side of Groote Eylandt, Northern Territory</a>	1992
Ludmilla Creek Mangrove Survey	2	LUDCK_5	5,000		1996
Mangrove Survey Bynoe Harbour	4	MANGB_25	25,000	<a href="#">Mangrove Survey of Bynoe Harbour, Northern Territory</a>	2003
Mangrove Mapping of Darwin Harbour	3	MANGD_25	25,000	<a href="#">The Mangrove Communities of Darwin Harbour</a>	1996
Mary River Floodplain Vegetation Survey	5	MARYR_50	50,000	<a href="#">Mary River Floodplain Vegetation</a>	1996
McArthur River Catchment Vegetation Survey	16	MCART_100	100,000	<a href="#">Vegetation Survey and Mapping of the McArthur River Catchment, Northern Territory</a>	2012
Mount Bunday Vegetation Survey, Proposed Training Area for 2nd Cavalry Regiment	6	MTBUN_100	100,000	<a href="#">The Vegetation of an Area of Mt Bunday Station, Proposed Training area for 2nd Cavalry Regiment</a>	1989

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Mount Todd Vegetation Survey	9	MTODD_50	50,000	<a href="#">The Vegetation of an Area Surrounding the Proposed Batman Mine Site, Edith River, NT</a>	1990
Rapid Creek Catchment Vegetation Survey	13	RAPCK_5	5,000		1994
Stray Creek Catchment Vegetation Survey	8	SCCVS_25	25,000	<a href="#">Stray Creek Catchment Vegetation Survey Northern Territory</a>	2005
Tiwi Islands Generalised Vegetation Cover	1	TIWIV_250	250,000	<a href="#">The History and Natural Resources of the Tiwi Islands, Northern Territory</a>	1998



Department of Land Resource Management

# VEGETATION RESOURCES

## Vegetation NT Native

- 1. Regional Mangrove Mapping, NT (1:250,000)
- 2. Lancewood Survey NT (1:250,000)
- 3. NVIS 1750 and 2007 (1:1,000,000)
- 4. Vegetation Survey of the Northern Territory (1:1,000,000)
- 5. Mangroves of the Northern Territory (1:100,000)
- 6. Monsoon Rainforest Survey (1:80,000)
- 7. Metaleuca Survey NT (1:100,000)



Figure 4: Native vegetation survey locations in the Northern Territory.

## NATIVE VEGETATION SURVEYS

Native vegetation surveys are essentially vegetation surveys covering the whole of the Northern Territory and/or following the extent of a particular vegetation community type. Figure 4 shows the location of native vegetation surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Unit
Coverage	Specific areas across the Territory
Currency	1990 - 2007
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Lancewood Survey NT	2	LANCE_250	250,000	<a href="#">Lancewood Survey of the Northern Territory</a>	1993
Mangroves of the Northern Territory	5	NTMANG_100	100,000	<a href="#">Methods for Monitoring the Abundance and Habitat of the Northern Australian Mud Crab <i>Scylla serrata</i>. Final Report</a>	2002
Regional Mangrove Mapping, NT	1	NTMAN_250	250,000	<a href="#">Regionalisation of Mangrove Communities along the Northern Territory Coast</a>	1996
Vegetation Survey of the Northern Territory	4	NTVEG_1M	1,000,000	<a href="#">Vegetation Survey of the Northern Territory, Australia 1990 - explanatory notes</a>	1990
NVIS 2005 AND NVIS 1750	3	NVIS_1M	1,000,000	Refer to <a href="#">Metadata</a>	2007
Monsoon Rainforest Survey	6	JRSRF_80	80,000	Classification, species richness, and environmental relations of monsoon rain forest in Northern Australia.' <i>Journal of Vegetation Science</i> 2: 259-278, 1991. Russell-Smith, J.	1991
Melaleuca Survey of the Northern Territory	7	NTMEL_100	100,000	<a href="#">Melaleuca Survey of the Top End, NT (Draft 2009)</a>	2009

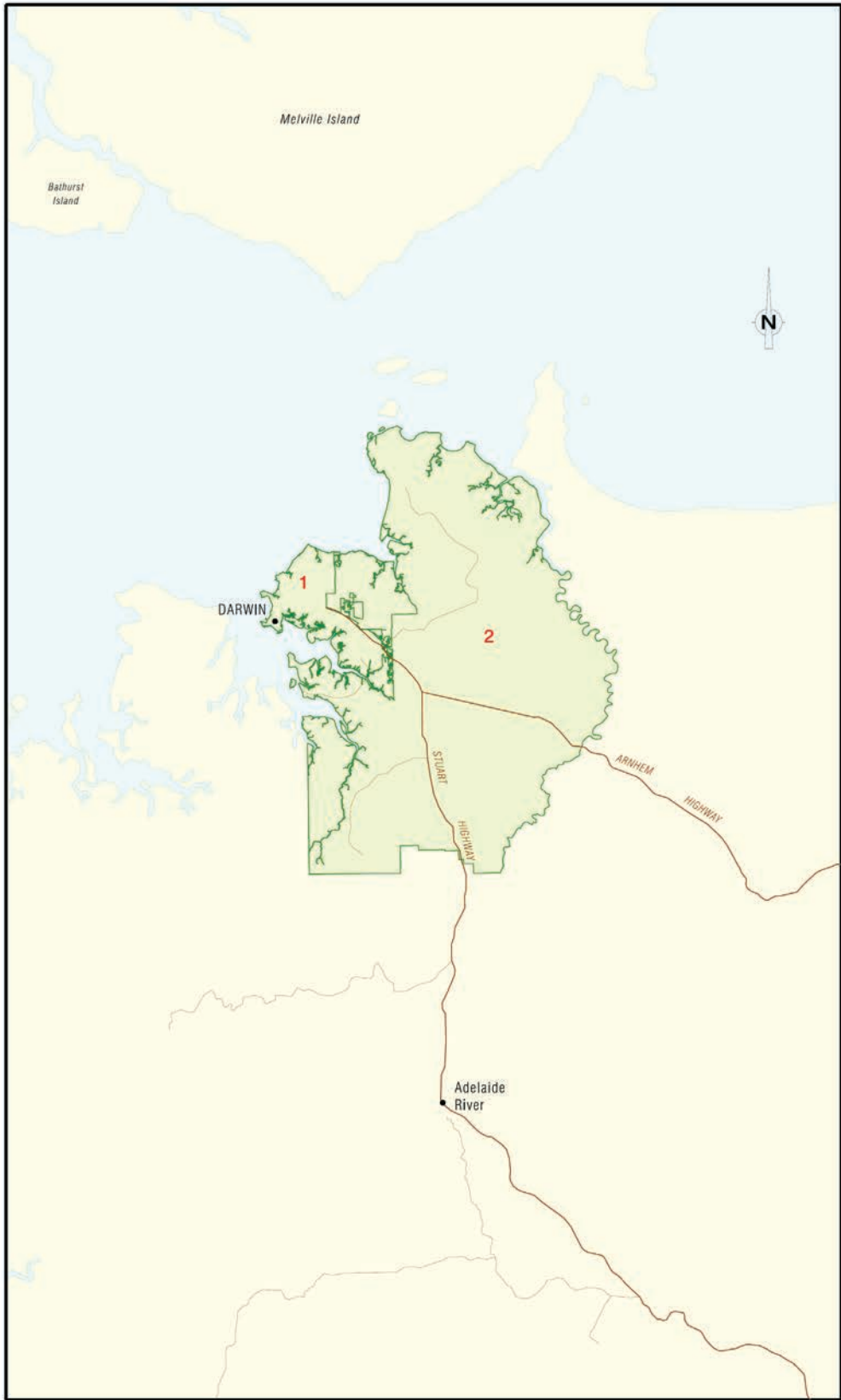


Department of  
Land Resource Management

## VEGETATION RESOURCES

### Remnant Vegetation

- 1. Darwin to Palmerston - Remnant Veg (1:10,000)
- 2. Litchfield Shire - Remnant Veg (1:100,000)



km 0 5 10 15

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: LR-Remnant-Vegetation-A3\_L94

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Figure 5: Remnant vegetation survey locations in the Northern Territory.

## REMNANT VEGETATION SURVEYS

Remnant vegetation surveys of the Darwin region. This has not been updated since 1998. Figure 5 shows the location of remnant vegetation surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Unit
Coverage	Darwin and Litchfield Shire
Currency	1998
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Darwin to Palmerston Region - Remnant Vegetation Survey	1	DARPM_10	10,000	<a href="#">Remnant Vegetation Survey Darwin to Palmerston Region</a>	1995
Litchfield Shire - Remnant Vegetation Survey	2	LSHIR_100	100,000	<a href="#">Remnant Vegetation Survey Darwin to Palmerston Region</a>	1998



Department of Land Resource Management

# VEGETATION RESOURCES

## Vegetation Cover

- 1. Northern Territory Forest Cover (NTNORFOR) (1:100,000 to 1:250,000)
- 2. Landcover Veg mapping Greater Darwin Region (1:100,000)
- 3. Vegetation Survey Nitmiluk (1:100,000)
- 4. Provisional Vegetation Types over Litchfield National Park (1:100,000)



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00" S & 12°40'00" S  
Horizontal Datum GDA 94

Design File: LR-Vegetation-Cover-A3\_L94

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Figure 6: Vegetation cover survey locations in the Northern Territory.

## VEGETATION COVER SURVEYS

Vegetation cover surveys are classification of satellite imagery for foliage projective cover to produce a forest cover map in raster format. Figure 6 shows the location of vegetation cover.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Unit
Coverage	Specific area across the Territory
Currency	2014
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Landcover Veg Mapping Greater Darwin Region	2	GTRDWV_100	100,000	<a href="#">The application of Landsat Imagery to Land Cover Mapping in the Greater Darwin Region</a>	2003
Northern Forest Assessment and Mapping Project	1	NTNORFOR	100,000 - 25,000	NORFOR - Mapping the Forest Cover of the NT. Field methodology and FPC indexing. Data available as grid format only	2001
Provisional Vegetation Types over Litchfield National Park	4	LITCHV_100	100,000	Not Available	2014
Vegetation Survey Nitmiluk	3	NITNP_100	100,000	<a href="#">Vegetation Survey of Nitmiluk National Park</a>	2004

## WEED MANAGEMENT INFORMATION

The Weed Management Branch of the Rangeland Division provide advice and support to landholders on management of weeds, conduct a biocontrol program of selected weeds and mitigation of potential weeds infestation.

Information about weed infestations is supplied to the Weed Management Branch from sources within NTG as well as external sources including Federal Government agencies, community groups and land managers. These external organisations supply data on a voluntary basis or as a reporting requirement of grant funded project, adhering to the weed data collection guidelines. The data assists in monitoring both the distribution and location of weed species, detecting the presence of new weed incursions, support decision making strategies for control measures and inclusion in reports to funding bodies.

Data collected is compiled, verified and processed to improve quality and ensure that the required core set of attributes is maintained. More information on weeds is available on the internet <https://nt.gov.au/environment/weeds>.

Technical Detail	
Source Information	Rangelands Division - Weed Management Branch
Coverage	Territory Wide
Currency	2015
Coordinates	GDA94 Latitude/Longitude
Format	Various GIS formats and Oracle Database available
Contact	Phil Hickey
Contact Phone	(08) 899-94452



Department of Land Resource Management

# WEEDS ATHEL PINE

- 1. Athel Pine Declaration AC 2013
- 2. Athel Pine Declaration BC 2013



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00" S & 12°40'00" S  
Horizontal Datum GDA 94

Design File: Weed-Athel-Pine-A3\_L94

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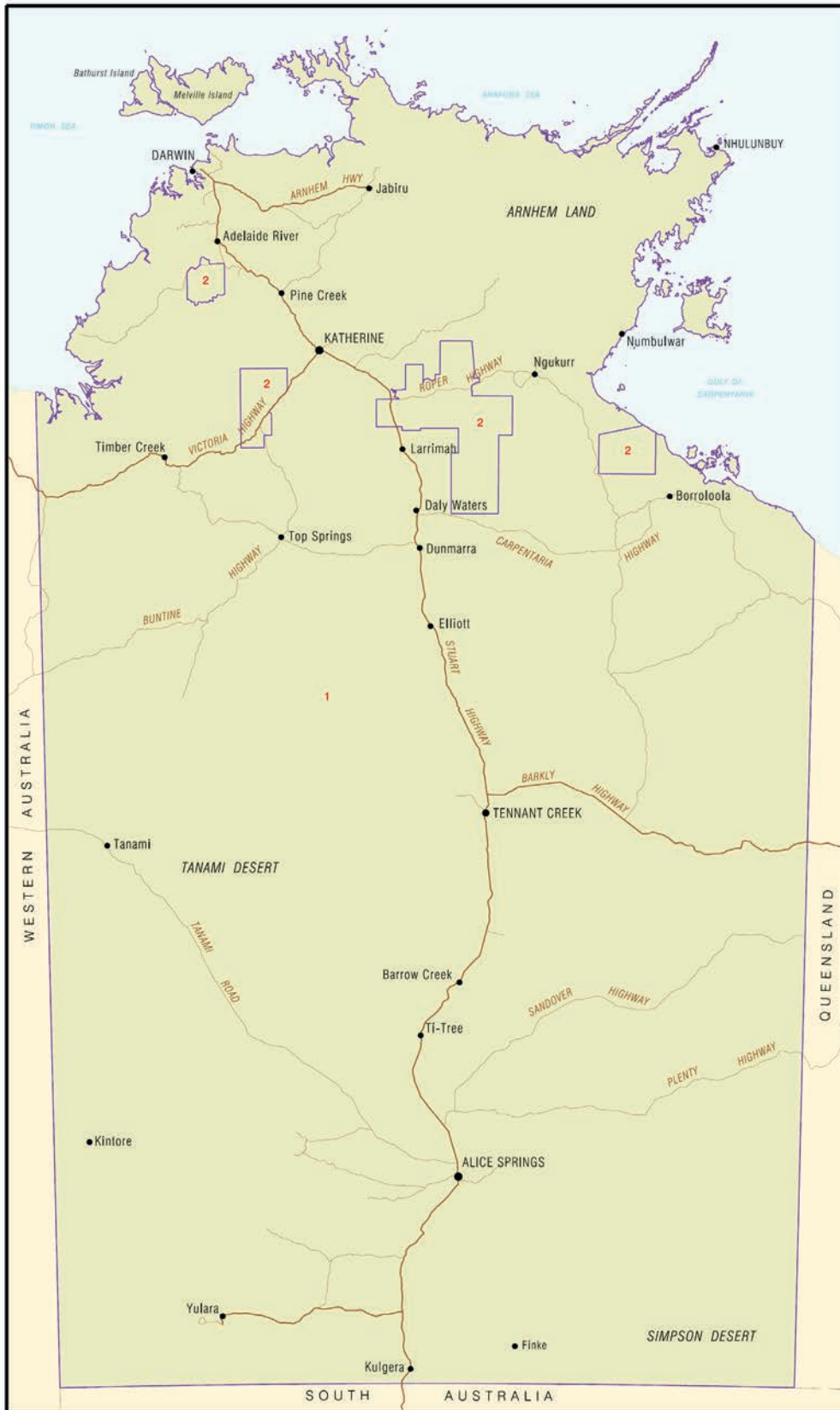
Figure 7: Athel Pine declaration zone locations in the Northern Territory.



Department of Land Resource Management

## WEEDS BELLYACHE BUSH

- 1. Bellyache Declaration AC 2013
- 2. Bellyache Declaration BC 2013



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: Weed-Bellyache-A3\_L94

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Figure 8: Bellyache Bush declaration zone locations in the Northern Territory.



NORTHERN TERRITORY GOVERNMENT  
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## WEEDS GAMBA GRASS

- 1. Gamba Grass Declaration AC 2013
- 2. Gamba Grass Declaration BC 2013



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: Weed-Gamba-A3\_L94

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Figure 9: Gamba Grass declaration zone locations in the Northern Territory.



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## WEEDS MIMOSA

- 1. Mimosa Declaration AC 2013
- 2. Mimosa Declaration BC 2013



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: Weed-Mimosa-A3\_L94

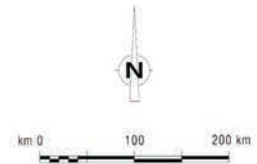
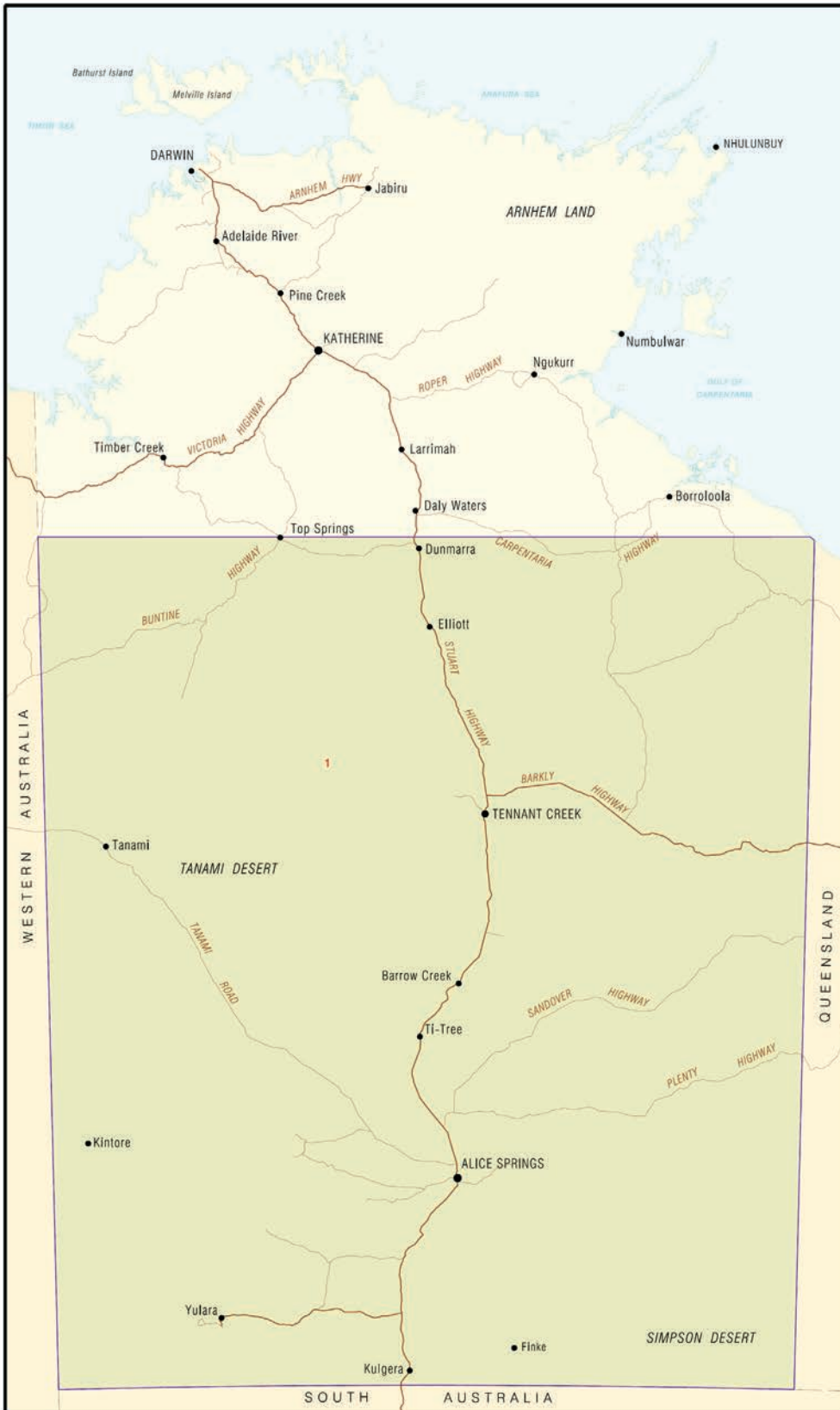
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Figure 10: Mimosa Pigra declaration zone locations in the Northern Territory.

**WEEDS  
 RUBBERBUSH**

1. Rubberbush Declaration BC 2013



Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S & 12°40'00"S  
 Horizontal Datum GDA 94

Design File: Weed-Rubberbush-A3\_L94

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Figure 11: Rubber bush declaration zone locations in the Northern Territory.

## WEED MANAGEMENT ZONES FOR WEEDS WITH SPLIT ZONE DECLARATION

In the Northern Territory weeds can be declared under the Weed Management Act (2001) as Class A, B or C (see below). Factors such as the threat a weed poses, the existing spread and the desired management outcome are considered when determining the weed the class or classes. For some weed species, factors vary by region and thus the declaration class is 'split' into different geographical zones. Maps defining the area of different class or classes are provided with the declaration. Further information discussing the rationale for the split management zones are available for weeds with a statutory management plan. Figures 7 to 11 shows the location of the declared weeds with split zone declarations.

### ***Declared weeds - schedule of classes***

- A To be eradicated
  - B Growth and spread to be controlled
  - C Not to be introduced to the Territory
- All Class A and Class B weeds are also Class C weeds.

### ***Declared weeds with split zone declarations***

- Athel pine
- Bellyache bush
- Gamba grass
- Mimosa
- Rubber bush

<b>Technical Detail</b>	
<b>Source Information</b>	Rangelands Division - Weed Management Branch
<b>Coverage</b>	Territory Wide
<b>Currency</b>	2013
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Format</b>	Various GIS formats and Oracle Database available
<b>Contact</b>	Phil Hickey
<b>Contact Phone</b>	(08) 899-94452

# LAND





## Spatial Gateway

### INTRODUCTION

The Land Assessment Branch of the Rangelands Division is the primary provider of the Northern Territory land resources datasets and information including land system, land unit and soil mapping. Land resource knowledge and information is essential for sound land use planning, development and management of sustainable agricultural and pastoral industries and reducing the risk of soil and land degradation.



## SOIL AND LAND INFORMATION DATABASE (SALInfo)

All soil and land site data collected by DLRM and on occasions other NTG departments is captured and secured into the Soil and Land Information System (SALInfo). This database contains site locations, landform and soil profile descriptions and soil chemical and physical information. The data is generally collected to national standard at the time of capture. Data includes historical data collected from the 1960s through to present. Data may vary from detailed morphological descriptions with chemical and physical properties to reconnaissance information only. Historical data is slowly being collated and secured into SALInfo. Currently the database contains about 33,804 sites across the Northern Territory.

Technical Detail	
<b>Source Information</b>	Rangelands Division - Land Assessment Branch
<b>Coverage</b>	Territory Wide
<b>Currency</b>	1960 - 2016
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Format</b>	Oracle Database with web user interface (APEX)
<b>Contact</b>	Manager
<b>Contact Phone</b>	(08) 899-94443

## LAND RESOURCE INFORMATION

Land resource information is the collection and documentation of landform, soil and vegetation information to determine the suitability of land for current and future land uses. Its primary aim is to provide an inventory of land resources information for use in decision making. The information is collected according to Australian guidelines and applicable for Territory wide, regional and local land use planning demands. A wide range of landscape properties are described from field investigations and as a result a diverse range of reporting and mapping products can be delivered to our clientele.

The land resource information is grouped into Land System surveys, Land Unit surveys, Soil surveys and Land Other surveys. It is stored on an Oracle Server and is primarily distributed as a spatial dataset via the ArcGIS Server. Data on the ArcGIS Server is available to all NTG staff with access to ArcGIS software. The land resource datasets are also stored as other GIS formats on the Department's spatial library.

## LAND RESOURCES

### LAND UNITS MAP 1 OF 3

1. Land Units Adelaide River Township (1:15,000)
2. Land Units Douglas-Daly ADMA Area (1:25,000)
3. Land Units Alice Springs (1:25,000)
4. Land Resources part West McDonnell Nat Park (1:25,000)
5. Land Units East Owen Springs Station (1:50,000)
6. Land Units Batchelor Township (1:25,000)
7. Land Units Upper Todd Catchment (Bond Springs Station) (1:15,000)
8. Land Units Borroloola Township (1:16,000)
9. Land Resources Coomalie Creek Area (1:25,000)
10. Land Resources Douglas Hot Springs (1:10,000)
11. Land Resources Darwin River Dam and Manton Dam Catchments (1:25,000)
12. Land Resources Lower Finniss (1:25,000)
13. Land Units E Kerles Property (1:10,000)
14. Land Resources Greater Darwin Area (1:25,000)
15. Land Units Hale Plain Station (1:20,000)
16. Hort Potential Harrison Dam (1:10,000)
17. Land Units Knox Creek Plain, WA and NT (1:25,000)
18. Land Units Keep Plains, NT (1:25,000)
19. Land Resources Keep River National Park (1:25,000)
20. Land Resources Marrakai Area (1:25,000)
21. Land Resources Elsey Park, Mataranka (1:25,000)
22. Land Units Tuyu and Yaplika, Melville Island (1:16,000)
23. Soils Morook Station (1:15,000)
24. Land Units Mount Bunday Station (1:25,000)
25. Land Resources Nabarlek Mine Area (1:25,000)
26. Land Units Pine Creek Township (1:10,000)
27. Land Units Undoolya Rocky Hill Station (1:25,000)
28. Land Units Singleton Station - Application Area (1:25,000)
29. Soils Upper Adelaide River Floodplain (1:25,000)
30. Land Units Timber Creek Township (1:15,000)
31. Land Units Upper Adelaide River Area (1:10,000)
32. Land Units of South/East Bathurst Island (1:50,000)
33. Land Units CLMA Rabbit Eradication Area (1:50,000)
34. Land Resources Coastal Plains - Humpty Doo (1:50,000)
35. Land Units Daly River Agricultural Area (1:50,000)
36. Land Resources Daly Basin (1:50,000)
37. Land Units Elizabeth Downs Station (1:50,000)
38. Land Units Kidman Springs Station (1:30,000)
39. Land Units Trial Paddocks McArthur River Station (1:50,000)
40. Land Units 17 Mile Plain, Melville Island (1:50,000)
41. Land Resources Mary River Catchment (1:50,000)
42. Ecology Hardman Basin (1:50,000)
43. Land Units Annaburroo Station (1:25,000)

km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23° 20' 00" S & 12° 40' 00" S  
Horizontal Datum GDA 94

Design File: LR-Land-Units-1ot3-A3\_L94

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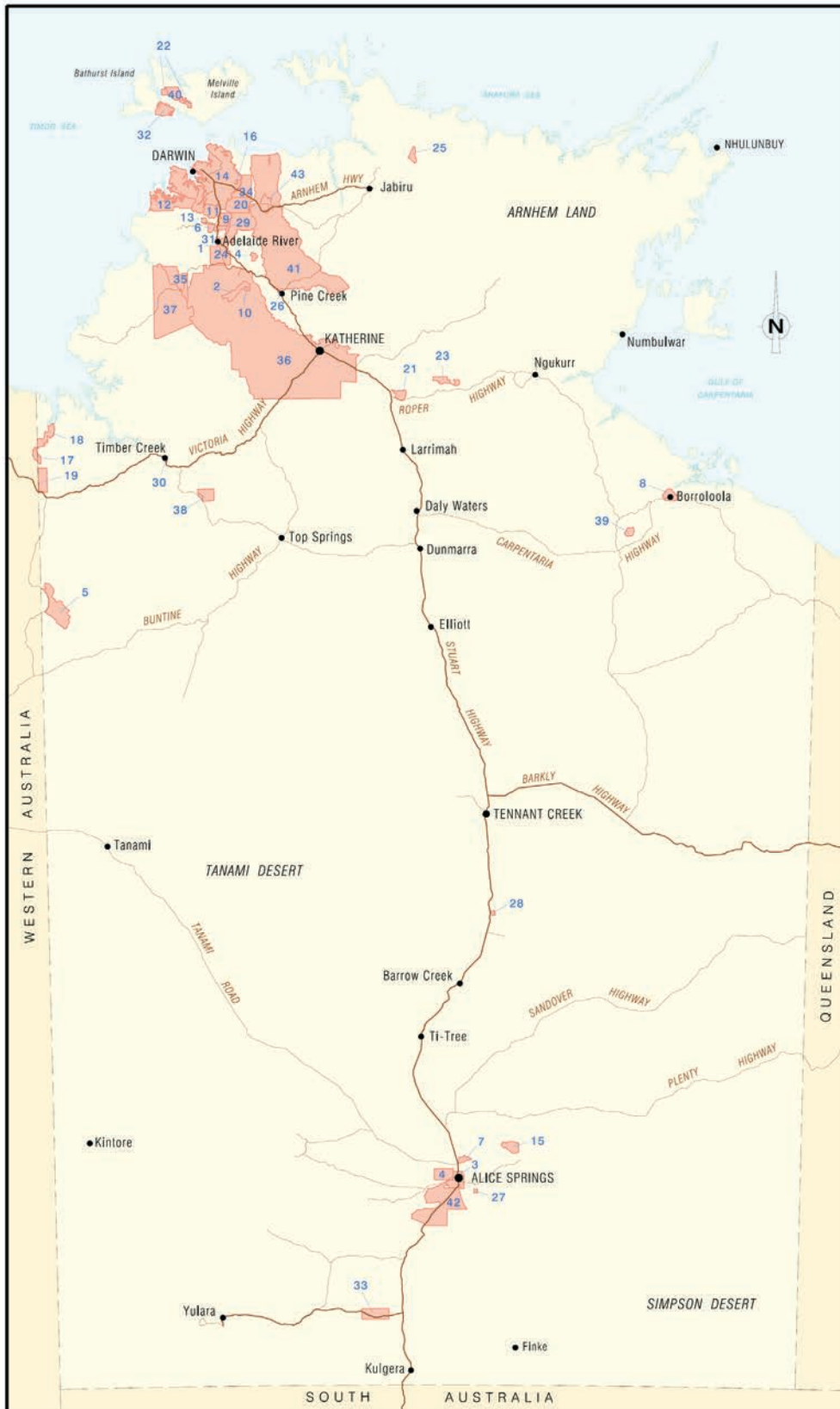


Figure 12: Land unit survey locations in the Northern Territory - Map 1 of 3.

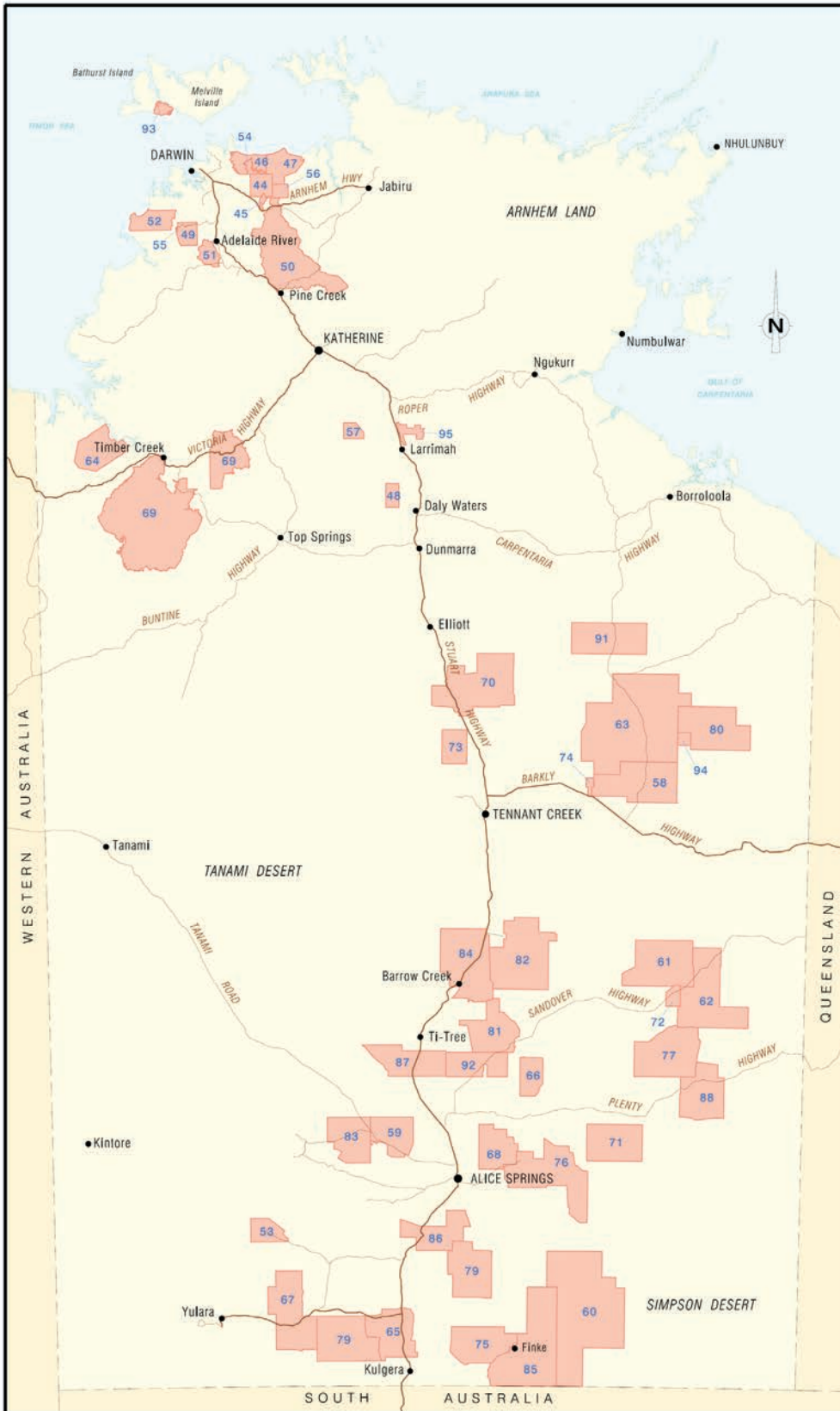


Department of Land Resource Management

# LAND RESOURCES

## LAND UNITS

### MAP 2 OF 3



- 44. Land Resources Coastal Plains - Mary River (1:50,000)
- 45. Land Resources Coastal Plains - Mt Bundy (1:50,000)
- 46. Land Resources Adelaide - Mary River Floodplain (1:50,000)
- 47. Land Resources Point Stuart Station (1:50,000)
- 48. Land Resources Sunday Creek (1:50,000)
- 49. Land Resources Litchfield Park (1:50,000)
- 50. Land Resources Upper Mary River Catchment (1:50,000)
- 51. Land Resources Warrai Catchment (1:50,000)
- 52. Land Units Wagait Aboriginal Reserve (1:50,000)
- 53. Land Units Watarrka National Park (1:50,000)
- 54. Land Units Woolner Area (1:50,000)
- 55. Land Resources Woolanin Community (1:50,000)
- 56. Land Resources Wildman River Station (1:50,000)
- 57. Land Units Wyworrie Station (1:50,000)
- 58. Land Units Alroy Downs Station (1:100,000)
- 59. Land Units Amburla (1:100,000)
- 60. Land Units Andado (1:100,000)
- 61. Land Units Annitowa (1:100,000)
- 62. Land Units Argadargada (1:100,000)
- 63. Land Units Brunette Downs (1:100,000)
- 64. Bullo River Station Flora And Vegetation Survey (1:100,000)
- 65. Land Units Curtin Springs (1:100,000)
- 66. Land Units Delny Delmore Station (1:100,000)
- 67. Land Units Eridunda Station (1:100,000)
- 68. Land Units Garden Station (1:100,000)
- 69. Land Units Gregory National Park (1:100,000)
- 70. Land Units Helen Springs Station (1:100,000)
- 71. Land Units Indiana Station (1:100,000)
- 72. Land Resources Irrmarn Aboriginal Land Trust (1:100,000)
- 73. Land Resources Eastern Karlantjpa North Aboriginal Land Trust (1:100,000)
- 74. Land Resources Kurmturpara Area (1:100,000)
- 75. Land Units Lilla Creek Station (1:100,000)
- 76. Land Units Love's Creek Station (1:100,000)
- 77. Land Units Lucy Creek Station (1:100,000)
- 78. Land Units Lyndavale Station (1:100,000)
- 79. Land Types of Maryvale Pastoral Lease (1:100,000)
- 80. Land Units Mittlebah Station (1:100,000)
- 81. Land Units Mt Skinner Station (1:100,000)
- 82. Land Units Murray Downs (1:100,000)
- 83. Land Units Narwietooma Station (1:100,000)
- 84. Land Units Neutral Junction (1:100,000)
- 85. Land Resources New Crown Station (1:100,000)
- 86. Land Units Orange Creek Station (1:100,000)
- 87. Land Units Pine Hill Station (1:100,000)
- 88. Land Units Tarlton Downs Station (1:100,000)

km 0 100 200 km

Projection - Lambert Conformal Conic  
 Standard Parallels 23° 20' 00" S & 12° 40' 00" S  
 Horizontal Datum GDA 94  
 Design File: LR-Land-Units-2of3-A3\_L94

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Figure 13: Land unit survey locations in the Northern Territory - Map 2 of 3.



Department of Land Resource Management

# LAND RESOURCES

## LAND UNITS MAP 3 OF 3

- 89. Land Units Umbeera Station (1:100,000)
- 90. Land Resources Victoria River District (1:100,000)
- 91. Land Units Walhallow Station (1:100,000)
- 92. Land Units Woodgreen Station (1:100,000)
- 93. Land Units South East Bathurst Island (1:50,000)
- 94. Connells Lagoon Preliminary Vegetation Map (1:8,000)
- 95. Land Suitability Assessment, Larrimah (1:25,000)

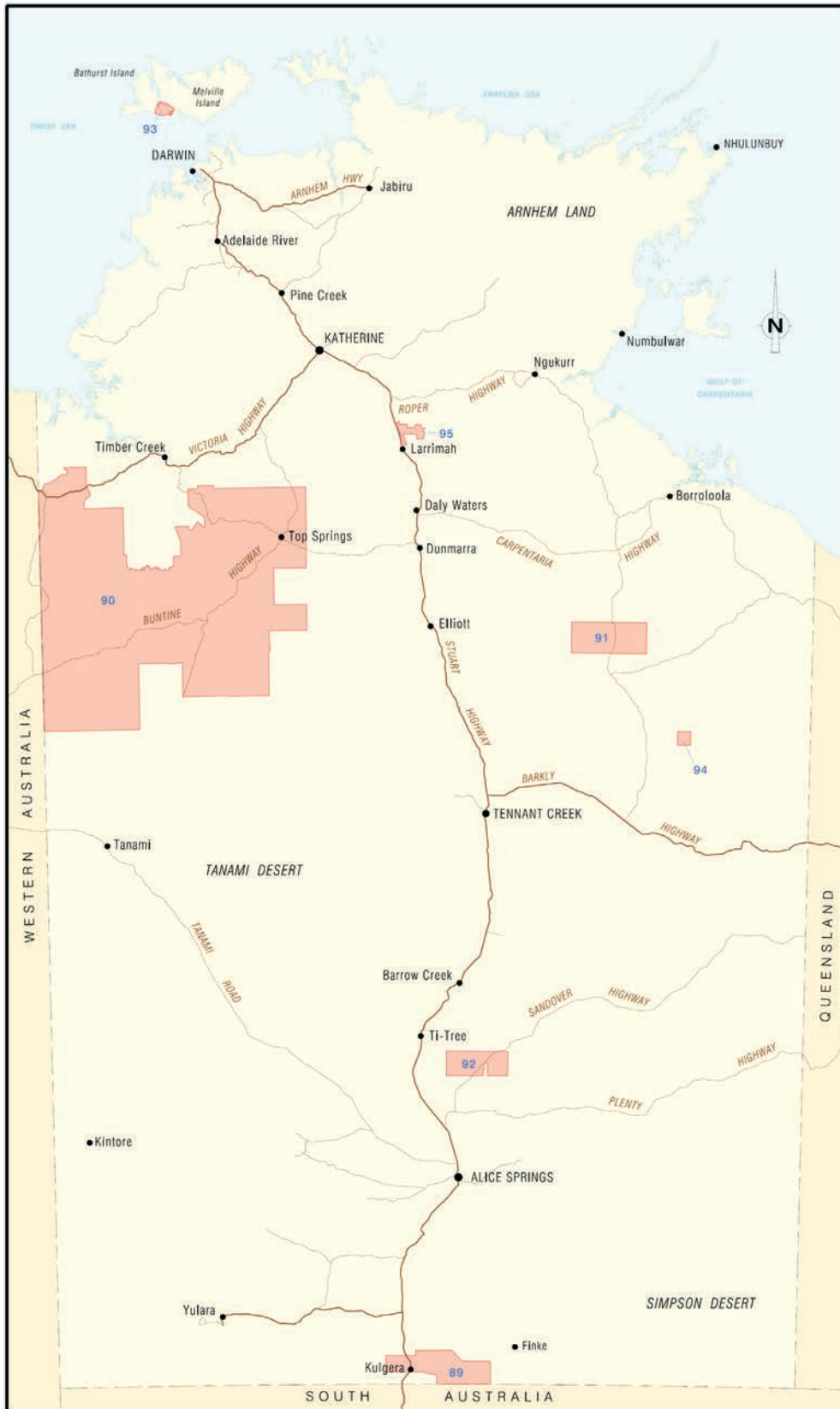


Figure 14: Land unit survey locations in the Northern Territory - Map 3 of 3.

km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94  
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## LAND UNIT SURVEYS

A land unit is defined as a reasonably homogenous part of the landscape, distinct from the surrounding terrain with relatively uniform properties in landform, soils and vegetation. These surveys provide detailed information used to assist with the assessment of land suitability, land development and land management decisions.

Land unit surveys are undertaken at scales of 1: 5 000 to 1: 100 000. Most land unit surveys in the NT are described at 1: 50 000 to 1: 100 000 and cover many pastoral properties, national parks and indigenous land. Finer scaled surveys from 1: 5 000 to 1: 1: 25 000 mostly describe areas where development is more intensive such as near towns or proposed agricultural areas. Figures 12 to 14 shows the location of land unit surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Branch
Coverage	Territory Wide
Currency	1971 - 2015
Coordinates	GDA94 Latitude/Longitude
Scale of Capture	1:10,000 to 1:100,000
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Units Adelaide River Township	1	ADELR_15	15,000	<a href="#">Land Units of the Adelaide River Township Area</a>	1978
Land Units Douglas-Daly ADMA Area	2	ADMA_25	25,000	<a href="#">The Land Units of the Douglas-Daly ADMA Acquisition Area, NT</a>	1983
Land Units Alice Springs	3	ALICE_25	25,000	<a href="#">Land Resource Capability Assessment in the Alice Springs Area</a>	2001
Land Units Alroy Downs Station	58	ALROY_100	100,000	<a href="#">The Land Resources of Alroy Downs Station</a>	2000
Land Units Amburla	59	AMBUR_100	100,000	<a href="#">The Pastoral Land Resources of Amburla Station</a>	2000
Land Units Andado	60	ANDAD_100	100,000	<a href="#">The Land Resources of Andado Station</a>	2002
Land Units Annaburroo Station	43	ANNAB_25	25,000	<a href="#">Report on the Land Units of the Western Section of Annaburroo Station, NT</a>	1983
Land Units Annitowa	61	ANNIT_100	100,000	<a href="#">The Land Resources of Annitowa Station</a>	2000
Land Units Argadargada	62	ARGAD_100	100,000	<a href="#">The Land Resources of Argadargada Station</a>	1998
Land Units Batchelor Township	6	BATCH_25	25,000	<a href="#">Report on the Land Units of the Batchelor Township Area</a>	1976

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Units of South East Bathurst Island	93	BATHI_50	50,000	<a href="#">A report on the Land Resources of South East Bathurst Island</a>	1980
Land Units of South/East Bathurst Island	32	BATHU_50	50,000	<a href="#">A Report on the Land Resources of South East Bathurst Island</a>	1980
Land Units Upper Todd Catchment (Bond Springs Station)	7	BONDS_15	15,000	<a href="#">Landscape Morphology and Processes in the Upper Todd River Catchment, Central Australia, and their Implications for Land Management</a>	1994
Land Units Borroloola Township	8	BORRO_16	16,000	<a href="#">Land Units of the Borroloola Township Area</a>	1974
Land Units Brunette Downs	63	BRUNE_100	100,000	<a href="#">The Land Resources of Brunette Downs Station</a>	2000
Land Units Bullo River Station	64	BULLO_100	100,000	<a href="#">Bullo River Station Flora And Vegetation Survey and Reconnaissance Soil-Landscape Investigation NT</a>	2010
Connells Lagoon Preliminary Vegetation Map	94	CONNE_8	8,000	<a href="#">Connells Lagoon Conservation Reserve Plan of Management 1992</a>	1992
Land Resources Coomalie Creek Area	9	COOMP_25	25,000	<a href="#">Report on the Coomalie Park and Adjoining Areas (typed notes)</a>	1972
Land Resources Coastal Plains - Humpty Doo	34	CPHD_50	50,000	<a href="#">Report on the Land Units of the Coastal Plains - Humpty Doo Map Sheet. NT.</a>	1971
Land Resources Coastal Plains - Mary River	44	CPMARY_50	50,000	<a href="#">Report on the Land Units of the Coastal Plains - Mary River Map Sheet. NT</a>	1971
Land Resources Coastal Plains - Mt Bunday	45	CPMTB_50	50,000	<a href="#">Report on the Land Units of the Coastal Plains - Mount Bunday Map Sheet. NT</a>	1971
Land Units Curtin Springs	65	CURTI_100	100,000	<a href="#">The Land Resources of Curtin Springs Station</a>	2000
Land Units Daly River Agricultural Area	35	DALYA_50	50,000	<a href="#">Report on the Land Units of the Daly River Agricultural Area</a>	1976
Land Resources Daly Basin	36	DBSN_50	50,000	<a href="#">Report on the Land Units of the Katherine-Douglas Area. NT</a>	1988
Land Units Delny Delmore Station	66	DELNY_100	100,000	<a href="#">The Land Resources of Delny / Delmore Station</a>	2003
Land Resources Darwin River Dam and Manton Dam Catchments	11	DRDAM_25	25,000	<a href="#">The Land Resources of the Darwin River and Manton Dam Catchments</a>	2004
Land Resources Lower Finnis	12	DUNDE_25	25,000	<a href="#">Land Resources of the Lower Finnis</a>	2002
Land Units E Kerle's Property	13	EKERL_10	10,000	<a href="#">A Report on the Land Units on and Surrounding Mr E Kerle's Property near Batchelor</a>	1976

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Units Erldunda Station	67	ERLDU_100	100,000	<a href="#">The Land Resources of Erldunda Station</a>	1999
Land Units Garden Station	68	GARDE_100	100,000	<a href="#">The Land Resources of Garden Station</a>	1996
Land Units Gregory National Park	69	GREGN_100	100,000	<a href="#">Vegetation and Land Unit Survey of Gregory National Park, NT</a>	1996
Land Resources Greater Darwin Area	14	GTRDW_25	25,000	<a href="#">The Land Resources of the Elizabeth, Darwin and Blackmore Rivers</a>	1984
Horticultural Potential Harrison Dam	16	HARRI_10	10,000	<a href="#">Horticultural Potential - A Survey of the Harrison Dam Area, Humpty Doo, NT</a>	1979
Land Units Helen Springs Station	70	HELE_100	100,000	<a href="#">The Land Resources of Helen Springs Station</a>	2003
Land Units Indiana Station	71	INDIA_100	100,000	<a href="#">Pastoral Land Resources of Indiana Station</a>	2000
CLC - Land Resources Irrmarn Aboriginal Land Trust	72	IRRMA_100	100,000	Irrmarn: Apmer Anwernekakerrenh - Land Resource Assessment of Irrmarn Aboriginal Land Trust. Refer to <a href="#">Metadata</a>	1995
CLC - Land Resources Eastern Karlantijpa North Aboriginal Land Trust	73	KARLA_100	100,000	A report on the land resources of the eastern Karlantijpa North Aboriginal Land Trust. Refer to <a href="#">Metadata</a>	1998
Land Units Knox Creek Plain, WA and NT	17	KNOXC_25	25,000	<a href="#">Soils of the Knox Creek Plain, East Kimberley Western Australia and Northern Territory</a>	1998
Land Units Keep Plains, NT	18	KPLAIN_25	25,000	<a href="#">Report on the Soils of the Lower Weaber and Keep Plains, NT</a>	1977
Land Resources Keep River National Park	19	KRNP_25	25,000	<a href="#">Land Resources of the Keep River National Park</a>	1986
Land Units, Kidman Springs Station	38	KS_30	30,000	<a href="#">Report on the Land Units of the Victoria River Research Station, Kidman Springs, NT Por 3847</a>	1972
CLC - Land Resources Kurnturlpara Area	74	KURNT_100	100,000	Warumungu Land Types in the Kurntarlpara Area. Refer to <a href="#">Metadata</a>	1998
Land Suitability Assessment, Larrimah	95	LARRI_25	25,000	<a href="#">Soil and Land Suitability Assessment for Irrigated Agriculture in the Larrimah Area, Sturt Plateau</a>	2015
Land Units Lilla Creek Station	75	LILLA_100	100,000	<a href="#">The Land Resources of Lilla Creek Station</a>	2002
CLC - Land Units Love's Creek Station	76	LOVCR_100	100,000	Land Types of Love's Creek Station. Refer to <a href="#">Metadata</a>	1997

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Units Lucy Creek Station	77	LUCYC_100	100,000	<a href="#">The Land Resources of Lucy Creek Station</a>	1999
Land Units Lyndavale Station	78	LYNDA_100	100,000	<a href="#">The Land Resources of Lyndavale Station</a>	2002
Land Resources Marrakai Area	79	MARRV_25	25,000	<a href="#">The Land Resources of the Marrakai Area</a>	1980
Land Resources Elsey Park, Mataranka	21	MATPK_25	25,000	<a href="#">Land Resources of Elsey Park, Mataranka, NT</a>	1989
Land Units Trial Paddocks McArthur River Station	39	MCARR_50	50,000	<a href="#">Land Units of the Colinta / D.I.D Trial Paddocks McArthur River Station</a>	1988
Land Units Tuyu and Yapilika, Melville Island	22	MELIX_16	16,000	<a href="#">Land Units of Areas adjacent to the Tuyu and Yapilika Forestry Plantations, Melville Island, NT</a>	1978
Land Units 17 Mile Plain, Melville Island	40	MELVI_50	50,000	<a href="#">Land Units of the Seventeen Mile Plain, Melville Island</a>	1973
Land Units Mittiebah Station	80	MITTI_100	100,000	<a href="#">The Land Resources of Mittiebah Station</a>	2000
Soils Moroak Station	23	MOROAK_15	15,000	<a href="#">Soils of the Upper Roper Plains - Moroak Station, NT</a>	2010
Land Resources of the Mary River Catchment	41	MRC_50	50,000	Refer to Original Reports. Refer to <a href="#">Metadata</a>	2013
Land Units Mount Bunday Station	24	MTBUN_25	25,000	<a href="#">Report on the Land Units of Mount Bunday Station</a>	2010
Land Units Mt Skinner Station	81	MTSKI_100	100,000	<a href="#">The Pastoral Land Resources of Mount Skinner Station</a>	2000
Land Units Murray Downs	82	MURDO_100	100,000	<a href="#">The Pastoral Land Resources of Murray Downs Station</a>	1995
Land Resources Nabarlek Mine Area	25	NABAR_25	25,000	<a href="#">Land Units of Narbelek Mine Area, NT</a>	1982
Land Units Narwietooma Station	83	NARWI_100	100,000	<a href="#">The Land Resources of Narwietooma Station</a>	1995
Land Units Neutral Junction	84	NEUTR_100	100,000	<a href="#">The Land Resources of Neutral Junction Station</a>	2000
Land Resources New Crown Station	85	NEWCR_100	100,000	<a href="#">The Land Resources of New Crown Station</a>	1997
Land Units Orange Creek Station	86	ORANG_100	100,000	<a href="#">The Pastoral Land Resources of Orange Creek Station</a>	2000
Ecology Hardman Basin	42	ORC1_50	50,000	<a href="#">Ecology of the Hardman Basin, NT</a>	1979
Land Units East Owen Springs Station	5	OWSP_50	50,000	<a href="#">Land Resources of the Eastern Portion of Owen Springs Station, NT Por 1406</a>	2002
Land Units Pine Creek Township	26	PINEC_10	10,000	<a href="#">Land Units of the Pine Creek Township Area</a>	1977
Land Units Pine Hill Station	87	PINEH_100	100,000	<a href="#">The Land Resources of Pine Hill Station</a>	1999

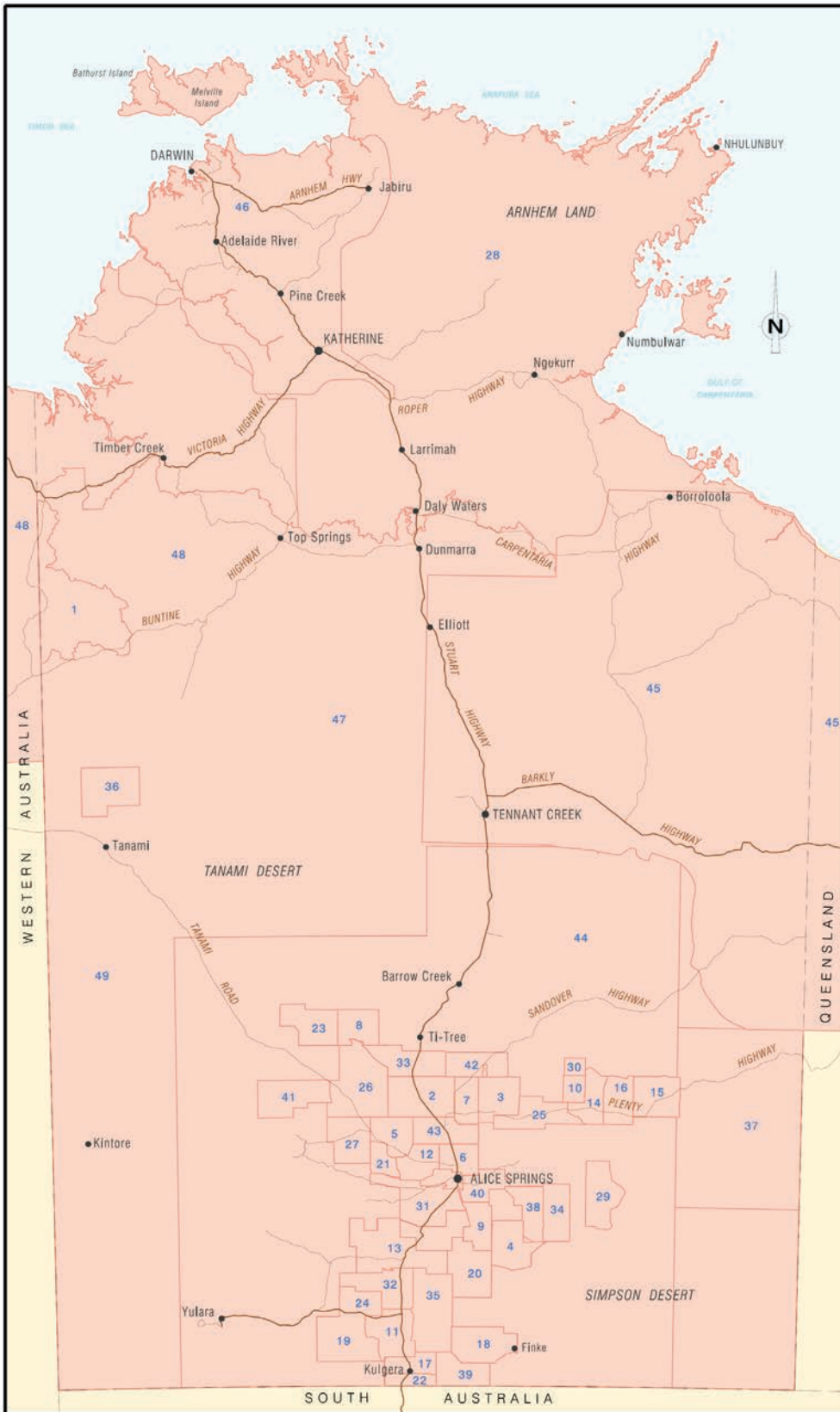
SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Resources Adelaide - Mary River Floodplain	46	PLAIN_50	50,000	Map and Legend only	1993
Land Resources Point Stuart Station	47	PTSTU_50	50,000	<a href="#">Land Resources of Point Stuart Station</a>	1973
Land Units Undoolya Rocky Hill Station	27	ROCKH_25	25,000	<a href="#">Land Resources of the Undoolya Rocky Hill Agricultural Block, NT Por 1476</a>	1999
Land Resources part West McDonnell National Park	4	SGAP_25	25,000	<a href="#">The Land Resources of Simpsons Gap National Park</a>	1982
Land Units Singleton Station - Application Area	28	SING_25	25,000	<a href="#">Land Resources of the Singleton Station Application Area</a>	2001
Soils Upper Adelaide River Floodplain	29	SUARF_25	25,000	<a href="#">The Soils of Part of the Upper Adelaide River Floodplain, NT</a>	1982
Land Resources Sunday Creek	48	SUNCK_50	50,000	<a href="#">Land Resources of the Sunday Creek Development Area, NT</a>	1985
Land Units Tarlton Downs Station	88	TARLT_100	100,000	<a href="#">Land Resources of Tarlton Downs Station</a>	1997
Land Units Timber Creek Township	30	TIMBE_15	15,000	<a href="#">Land Units of the Timber Creek Township Area</a>	1976
Land Resources Litchfield Park	49	TTRAN_50	50,000	<a href="#">Land Resources of Litchfield Park, NT</a>	1988
Land Units Upper Adelaide River Area	31	UARES_10	10,000	<a href="#">Report on the Land Units of the Upper Adelaide River Experiment Station, NT</a>	1975
Land Resources Upper Mary River Catchment	50	UMARY_50	50,000	<a href="#">Land Resources of the Upper Mary River Catchment - Resource Assessment and Degradation Survey</a>	2002
Land Units Umbeara Station	89	UMBEA_100	100,000	<a href="#">The Land Resources of Umbeara Station</a>	2003
Land Resources Victoria River District	90	VRD_100	100,000	<a href="#">The Land Resources of the Victoria River District</a>	2013
Land Units Walhallow Station	91	WALHA_100	100,000	<a href="#">Land Units of Walhallow Station</a>	2000
Land Resources Warrai Catchment	51	WARRA_50	50,000	<a href="#">Report on the Land Units, Erosion and Land Use within the Catchment Area of the Proposed Warrai Dam</a>	1985
Land Units Wagait Aboriginal Reserve	52	WAR_50	50,000	<a href="#">Report on the Land Units of Wagait Aboriginal Reserve</a>	1976
Land Units Watarrka National Park	53	WATAR_50	50,000	<a href="#">The Land Resources of Watarrka National Park</a>	1997
Land Units Woolner Area	54	WN_50	50,000	Map and Legend only	1971
Land Units Woodgreen Station	43	WOODG_100	100,000	Map and Legend only	1998
Land Resources Wildman River Station	56	WR_50	50,000	<a href="#">Land Resources of Wildman River Station, NT</a>	1979

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Units Wyworrie Station	57	WYWOR_50	50,000	<a href="#">The Land Units of Wyworrie Station, NT</a>	1988

## LAND RESOURCES

### LAND SYSTEMS

#### MAP 1 OF 2



1. Lands Ord River Catchment, NT (1:100,000)
2. Aileron Station (1:250,000)
3. Alcoota Station (1:250,000)
4. Land Systems of Allambi Station (1:250,000)
5. Amburla Station (1:250,000)
6. Bond Springs Station (1:250,000)
7. Bushy Park Station (1:250,000)
8. Coniston Station (1:250,000)
9. Deep Well Station (1:250,000)
10. Onelper Station (1:250,000)
11. Ertunda Station (1:250,000)
12. Hamilton Station (1:250,000)
13. Henbury Station (1:250,000)
14. Huckitta Station (1:250,000)
15. Jervis Station (1:250,000)
16. Jinka Station (1:250,000)
17. Kulgera Station (1:250,000)
18. Lilla Creek Station (1:250,000)
19. Lyndavale Station (1:250,000)
20. Maryvale Station (1:250,000)
21. Milton Park Station (1:250,000)
22. Mt Cavenagh Station (1:250,000)
23. Mt Denison Station (1:250,000)
24. Mt Ebenezer Station (1:250,000)
25. Mt Riddock Station (1:250,000)
26. Napperby Station (1:250,000)
27. Narwietooma Station (1:250,000)
28. Land Systems of the Northern Part of Northern Territory (1:250,000)
29. Numery Station (1:250,000)
30. Old Macdonald Downs (1:250,000)
31. Owen Springs Station (1:250,000)
32. Land Systems of Palmer Valley Station (1:250,000)
33. Pine Hill Station (1:250,000)
34. Ringwood Station (1:250,000)
35. Land Systems South Alice District (1:250,000)
36. Suplejack Station (1:250,000)
37. Land Systems Tobermorey-Hay River Area (1:250,000)
38. Todd River Station (1:250,000)
39. Umbara Station (1:250,000)
40. Undoolya Station (1:250,000)
41. Central Mount Wedge (1:250,000)
42. Woodgreen (Atarlinga) Station (1:250,000)
43. Yambah Station (1:250,000)
44. Lands Alice Springs Area (1:1,000,000)
45. Land Systems of the Barkly Region (1:1,000,000)
46. Land Systems Katherine Darwin Region (1:1,000,000)
47. Northern Territory Land Systems (1:1,000,000)
48. Land Systems Ord Victoria Area (1:1,000,000)
49. Land Systems of the Southern Part of Northern Territory (1:1,000,000)

km 0 100 200

Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S & 12°40'00"S  
 Horizontal Datum GDA 94

Design File: LR-Land-Systems-A3\_L94

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Figure 15: Land system survey locations in the Northern Territory - Map 1 of 2.

## LAND RESOURCES LAND SYSTEMS MAP 2 OF 2

- 50. Lands Adelaide-Alligator Area (1:250,000)
- 51. Lands Alligator Rivers Area (1:250,000)
- 52. Land Systems of Arnhem Land (1:250,000)
- 53. Land Resources of Cobourg Peninsula (1:250,000)
- 54. Land Systems Darwin Region (1:250,000)
- 55. Land Systems Eva Valley and Surrounds (1:250,000)
- 56. Lands Gimbat and Goodparla, CSIRO (1:250,000)
- 57. Land Systems Southern Gulf (1:250,000)
- 58. Land Resources Katherine Gorge (1:250,000)
- 59. Land Systems Sturt Plateau (1:250,000)
- 60. Lands of the Tipperary Area, CSIRO (1:250,000)
- 61. Range Condition Assessment Survey: Waite River Station (1:250,000)
- 62. Land Systems Willeroo-Dry River Area (1:250,000)
- 63. Land Systems of Western Half of Melville Island (1:250,000)
- 64. Land Systems Port Keats Area (1:250,000)
- 65. Land Systems Roper River Catchment (1:250,000)
- 66. Range Condition Assessment Survey: Tanami Downs (1:250,000)
- 67. Range Condition Assessment Survey: Derwent Station (1:250,000)
- 68. Range Condition Assessment Survey: Narwietooma Station (1:250,000)
- 69. The Land Systems of the Todd River Catchment Area (1:250,000)
- 70. Range Condition Assessment Survey: Palmer Valley (1:250,000)



Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: LR-Land-Systems-A3\_L94

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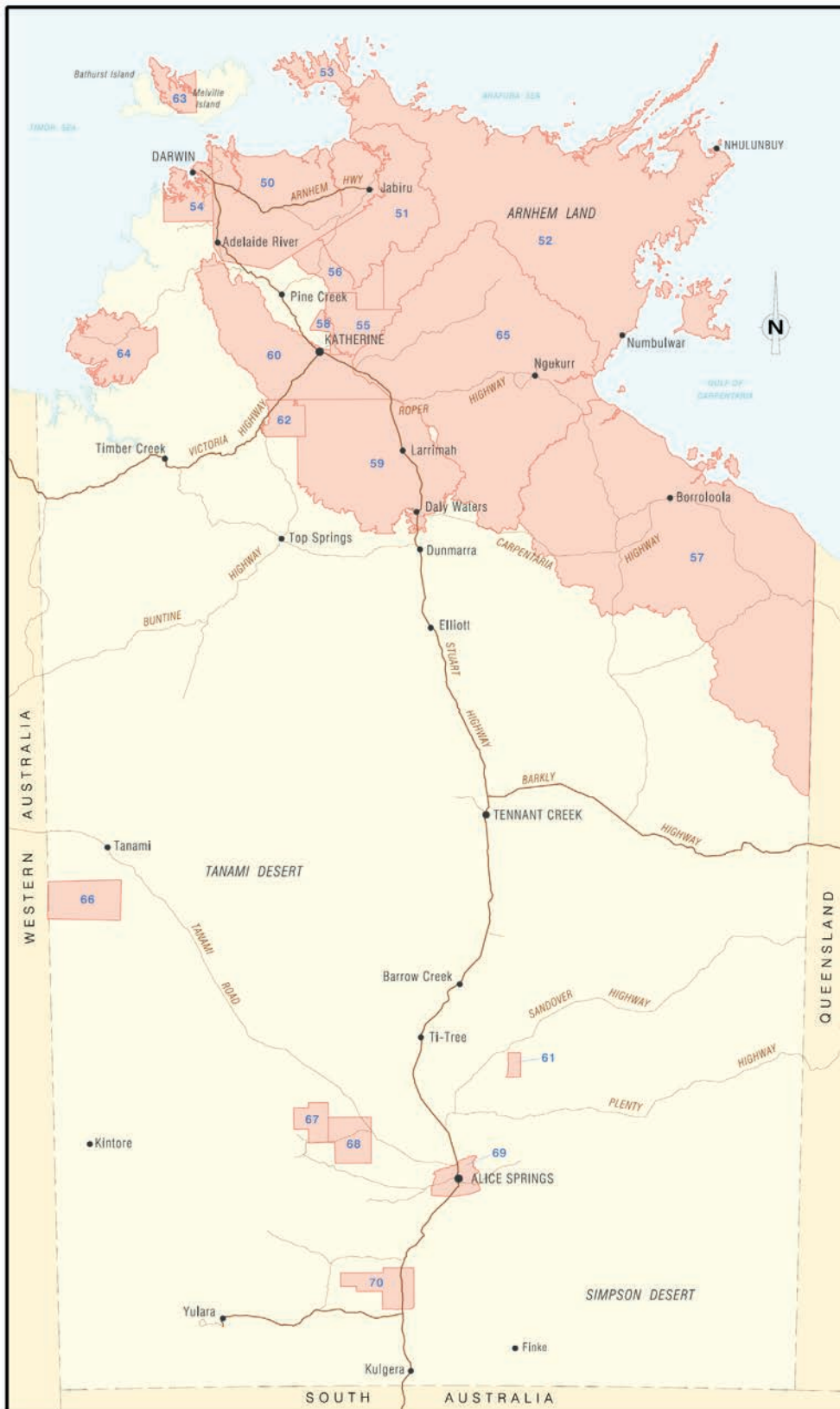


Figure 16: Land system survey locations in the Northern Territory - Map 2 of 2.

## LAND SYSTEM SURVEYS

A land system is defined as an area or group of areas where there is a recurring pattern of topography, vegetation and soils. Each land system is recognised as being an assemblage of land units. Land system mapping is a broad scale survey that describes land resources at a regional scale. It is usually undertaken at scales of 1: 250 000 to 1: 1 000 000 and describes land form, soil and vegetation across extensive areas. They are considered to be reconnaissance surveys that can identify areas that may need more detailed investigation in the future. Figures 15 and 16 shows the location of land system surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Branch
Coverage	Territory Wide
Currency	1953 - 2013
Coordinates	GDA94 Latitude/Longitude
Scale of Capture	1:100,000 to 1:1,000,000
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Lands Adelaide-Alligator Area	50	ADALL_250	250,000	<a href="#">Lands of the Adelaide-Alligator Area, NT, CSIRO</a>	1969
Range Condition Aileron	2	AILER_250	250,000	Range Condition Assessment Report: Aileron Station. <a href="#">DPIF Library</a>	1984
Range Condition Alcoota Station	3	ALCOT_250	250,000	Range Condition Assessment Report: Alcoota Station 1980; 1993 (two separate reports). <a href="#">DPIF Library</a>	1993
Lands Alice Springs Area	44	ALICS_1M	1,000,000	<a href="#">General Report on Lands of the Alice Springs Area, NT 1956-7 (CSIRO)</a>	1962
Land Systems of Allambi Station	4	ALLAM_250	250,000	Resource appraisal of Allambi Station Pastoral Lease 627: prepared for Conservation Commission of the NT by W. A. Low Ecological Services, 1984. <a href="#">DPIF Library</a>	1984
Lands Alligator Rivers Area	51	ALLIG_250	250,000	<a href="#">CSIRO - Lands of the Alligator Rivers Area, NT</a>	1976
Range Condition Amburla Station	5	AMBUR_250	250,000	Range Condition Assessment Report: Amburla Station. <a href="#">DPIF Library</a>	1986
Land Systems of Arnhem Land	52	ARNHM_250	250,000	<a href="#">Land Systems of Arnhem Land</a>	1998

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Land Systems of the Barkly Region	45	BARKY_1M	1,000,000	<a href="#">CSIRO - Survey of the Barkly Region, NT and Qld 1947-48</a>	1954
Range Condition Bond Springs Station	6	BONDS_250	250,000	Range Condition Assessment Report: Bond Springs Station. <a href="#">DPIF Library</a>	1991
Range Condition Bushy Park Station	7	BUSHY_250	250,000	Range Condition Assessment report: Bushy Park Station. <a href="#">DPIF Library</a>	1980
Land Resources of Cobourg Peninsula	53	COBOU_250	250,000	<a href="#">The Land Resources of Cobourg Peninsula</a>	1986
Range Condition Coniston Station	8	CONIS_250	250,000	Range Condition Assessment Report: Coniston Station. <a href="#">DPIF Library</a>	1983
Land Systems Darwin Region	54	DARWL_250	250,000	<a href="#">The Land Systems of the Darwin Region</a>	1985
Range Condition Deep Well Station	9	DEEPW_250	250,000	Range Condition Assessment Report: Deep Well Station. <a href="#">DPIF Library</a>	1979
Range Condition Derwent Station	67	DERWE_250	250,000	Range Condition Assessment Report: Derwent Station. <a href="#">DPIF Library</a>	1978
Range Condition Dneiper Station	10	DNEIP_250	250,000	Range Condition Assessment Report: Dneiper Station. <a href="#">DPIF Library</a>	1991
Range Condition Eralunda Station	11	ERLDU_250	250,000	Range Condition Assessment Report: Eralunda Station. <a href="#">DPIF Library</a>	1989
Land Systems Eva Valley and Surrounds	55	EVAST_250	250,000	<a href="#">Land System Survey of Eva Valley Station and Surrounding Crown Land 1973</a>	1975
Lands Gimbat and Goodparla, CSIRO	56	GIMBA_250	250,000	<a href="#">CSIRO - National Park Value of Gimbat and Goodparla Pasture Leases</a>	1979
Land Systems Southern Gulf	57	GULF_250	250,000	<a href="#">Land Systems of the Southern Gulf Region, NT</a>	1990
Range Condition Hamilton Station	12	HAMIL_250	250,000	Range Condition Assessment Report: Hamilton Station. <a href="#">DPIF Library</a>	1986
Range Condition Henbury Station	13	HENBR_250	250,000	Range Condition Assessment Report: Henbury Station. <a href="#">DPIF Library</a>	1983
Range Condition Huckitta Station	14	HUCKI_250	250,000	The Land Resources of Huckitta Station 1988. <a href="#">DPIF Library</a>	1988
Range Condition Jervois Station	15	JERVO_250	250,000	Range Condition Assessment Report: Jervois Station. <a href="#">DPIF Library</a>	1991

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Range Condition Jinka Station	16	JINKA_250	250,000	Range Condition Assessment Report: Jinka Station. <a href="#">DPIF Library</a>	1991
Land Resources Katherine Gorge	58	KATHG_250	250,000	<a href="#">Land Resources of the Katherine Gorge National Park</a>	1984
Land Systems Katherine Darwin Region	46	KTHDW_1M	1,000,000	General Report on Survey of Katherine - Darwin Region, 1946, CSIRO. <a href="#">DPIF Library</a>	1953
Range Condition Kulgera Station	17	KULGE_250	250,000	Range Condition Survey: Umbeara and Kulgera Stations. <a href="#">DPIF Library</a>	1983
Range Condition Lilla Creek Station	18	LILLS_250	250,000	Range Condition Assessment Survey: Lilla Creek Station. <a href="#">DPIF Library</a>	1982
Range Condition Lyndavale Station	19	LYNLS_250	250,000	Range Condition Assessment Survey: Lyndavale Station. <a href="#">DPIF Library</a>	1989
Range Condition Maryvale Station	20	MARYV_250	250,000	Range Condition Assessment Survey: Maryvale Station. <a href="#">DPIF Library</a>	1984
Land Systems of Western Half of Melville Island	63	MELIS_250	250,000	<a href="#">Land Systems of Western Half of Melville Island, NT</a>	1978
Range Condition Milton Park Station	21	MILPK_250	250,000	Range Condition Assessment Survey: Milton Park Station	1986
Range Condition Mt Cavenagh Station	22	MTCAV_250	250,000	Range Condition Assessment Survey: Mt Cavenagh Station. <a href="#">DPIF Library</a>	1983
Range Condition Mt Denison Station	23	MTDEN_250	250,000	Range Condition Assessment Survey: Mt Denison Station. <a href="#">DPIF Library</a>	1983
Range Condition Mt Ebenezer Station	24	MTEBE_250	250,000	Range Condition Assessment Survey: Mt Ebenezer Station. <a href="#">DPIF Library</a>	1989
Range Condition Mt Riddock Station	25	MTRID_250	250,000	Range Condition Assessment Survey: Mt Riddock Station. <a href="#">DPIF Library</a>	1993
Range Condition Napperby Station	26	NAPPE_250	250,000	Range Condition Assessment Survey: Napperby Station. <a href="#">DPIF Library</a>	1990
Range Condition Narwietooma Station	68	NARWI_250	250,000	Range Condition Assessment Survey: Narwietooma Station. <a href="#">DPIF Library</a>	
Land Systems of the Northern NT	28	NORTH_250	250,000	Compilation of 16 surveys, refer to <a href="#">Metadata</a>	2011
Northern Territory Land Systems	47	NTLS_1M	1,000,000	Refer to <a href="#">Metadata</a>	2013
Range Condition Numery Station	29	NUMER_250	250,000	Range Condition Assessment Report: Numery Station. <a href="#">DPIF Library</a>	1984

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Range Condition Old McDonald Downs Station	30	OLDMD_250	250,000	Range Condition Assessment Report: Old MacDonald Downs. <a href="#">DPIF Library</a>	1992
Lands Ord River Catchment, NT	1	ORDRI_100	100,000	<a href="#">Report on the Lands of the Ord River Catchment, Northern Territory</a>	1978
Land Systems Ord Victoria Area	48	ORDVC_1M	1,000,000	<a href="#">Lands of the Ord-Victoria Area. WA and NT (CSIRO)</a>	1970
Range Condition Owen Springs Station	31	OWSP_250	250,000	Range Condition Assessment Report: Owen Springs Station. <a href="#">DPIF Library</a>	1984
Range Condition Palmer Valley Station	70	PALME_250	250,000	Not Available. <a href="#">DPIF Library</a>	1989
Range Condition Pine Hill Station	33	PINLS_250	250,000	Range Condition Assessment Report: Pine Hill Station. <a href="#">DPIF Library</a>	1984
Land Systems Port Keats Area	64	PK_250	250,000	<a href="#">Land Systems of the Port Keats Area</a>	1977
Range Condition Ringwood Station	34	RINGW_250	250,000	Range Condition Assessment Report: Ringwood Station. <a href="#">DPIF Library</a>	1983
Land Systems Roper River Catchment	65	ROPER_250	250,000	<a href="#">Land Systems of the Roper River Catchment, Northern Territory</a>	1992
Land Systems South Alice District	35	SALIC_250	250,000	<a href="#">Land Systems and Pasture Types of the Southern Alice Springs District</a>	1989
Land Systems of the Southern NT	49	SOUTH_1M	1,000,000	Compilation of 4 surveys, refer to <a href="#">Metadata</a>	2011
Land Systems Sturt Plateau	59	STURT_250	250,000	<a href="#">Land Resources of the Sturt Plateau, NT - A Reconnaissance Land System Survey</a>	1985
Range Condition Supplejack Station	36	SUPLE_250	250,000	Range Condition Assessment Report: Supplejack Station. <a href="#">DPIF Library</a>	1985
Range Condition Tanami Downs Station	66	TANAM_250	250,000	Not Available. <a href="#">DPIF Library</a>	1990
Lands of the Tipperary Area, CSIRO	60	TIPRY_250	250,000	<a href="#">General Report on the Lands of the Tipperary Area, 1961 NT, CSIRO</a>	1965
Land Systems Tobermorey-Hay River Area	37	TOBER_250	250,000	<a href="#">Land Systems Tobermorey-Hay River Area</a>	1988
Land Systems Todd Catchment	69	TODDC_100	100,000	<a href="#">The Land Systems of the Todd River Catchment</a>	1980
Range Condition Todd River Station	38	TODDR_250	250,000	<a href="#">Range Condition Assessment Report: Todd River Station</a>	1979
Range Condition Umbeara Station	39	UMBLS_250	250,000	Range Condition Assessment Survey: Umbeara and Kulgera Stations. <a href="#">DPIF Library</a>	1983

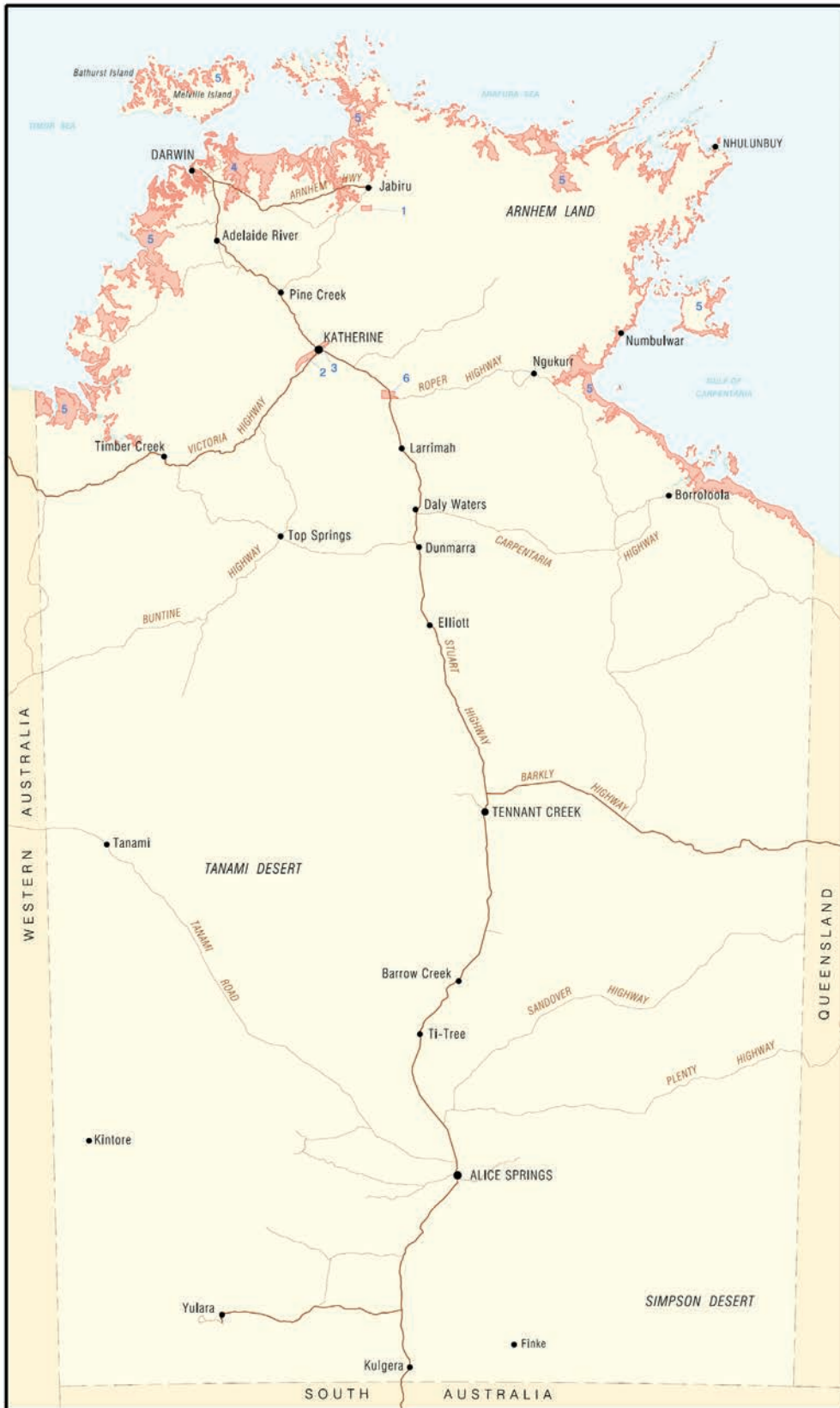
SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Range Condition Undoolya Station	40	UNDOO_250	250,000	Grazing capacity assessment report: Undoolya Station (Range condition assessment report). <a href="#">DPIF Library</a>	1979
Range Condition Waite River Station	61	WAITE_250	250,000	Range Condition Assessment Survey: Waite River Station. <a href="#">DPIF Library</a>	1987
Land Systems Willeroo-Dry River Area	62	WDR_250	250,000	<a href="#">Land Systems of the Dry River Area, Northern Territory</a>	1978
Range Condition Central Mount Wedge	41	WEDGE_250	250,000	Range Condition Assessment Report: Central Mount Wedge. <a href="#">DPIF Library</a>	1986
Range Condition Atartinga	42	WOODG_250	250,000	Range Condition Assessment Report: Atartinga. <a href="#">DPIF Library</a>	1987
Range Condition Yambah Station	43	YAMBA_250	250,000	Range Condition Assessment Report: Yambah Station. <a href="#">DPIF Library</a>	1987



Department of Land Resource Management

# LAND RESOURCES SOIL SURVEYS

- 1. Soils Koongarra Monitoring Area (1:10,000)
- 2. Soils Upper Katherine River Area (1:25,000)
- 3. Soils Katherine East (1:10,000)
- 4. Acid Sulfate Soils Darwin Region (1:50,000)
- 5. NT Acid Sulphate (1:2,000,000)
- 6. Soil Survey Stylo, Mataranka (1:50,000)



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: LR-soil-surveys-A3\_L94

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Figure 17: Soil survey locations in the Northern Territory.

## SOIL SURVEYS

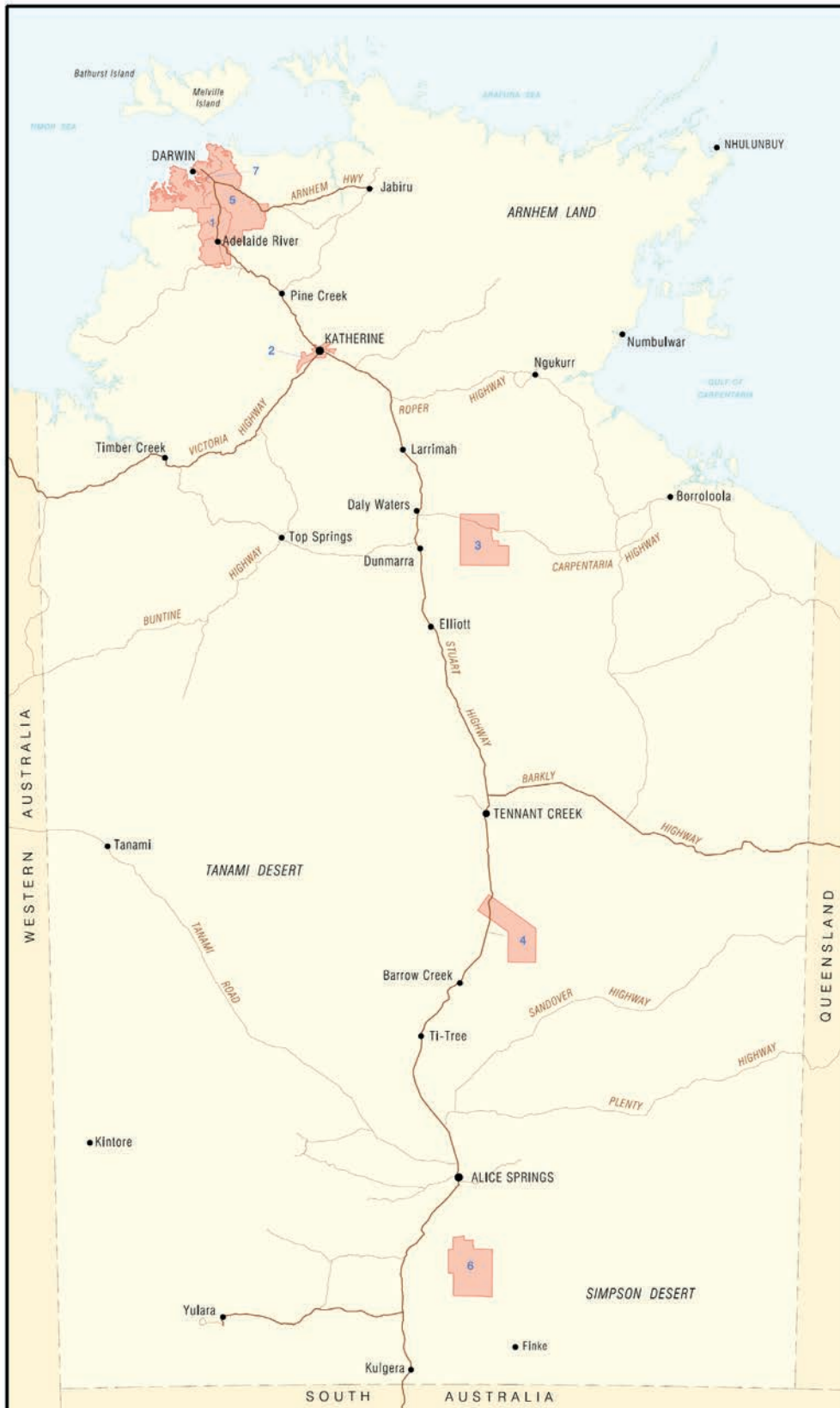
These surveys provide soils information and generally only minimal landform and/or vegetation detail. They have been undertaken for agricultural developments sometimes using a grid survey approach for intense surveys in order to map soil variability. They vary in scale from detailed high resolution surveys across a small area to broad Northern Territory wide acid sulphate soil risk mapping. In some cases they are undertaken due to the native vegetation being previously cleared or removed. Figure 17 shows the location of soil surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Branch
Coverage	Territory Wide
Currency	1969 - 2009
Coordinates	GDA94 Latitude/Longitude
Scale of Capture	1:10,000 to 1:2,000,000
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Acid Sulphate Soils Darwin Region	4	DARAS_50	50,000	<a href="#">Acid Sulphate Soils of the Darwin Region</a>	2008
Soils Katherine East	3	KEAST_10	10,000	<a href="#">Soils of the Proposed Katherine East Development and their Capability for Urban Development</a>	1985
Soils Koongarra Monitoring Area	1	KOONG_10	10,000	<a href="#">Soils of the Koongarra Monitoring Area</a>	1986
Soils Upper Katherine River Area	2	LEVEE_25	25,000	<a href="#">Soil Survey Capability Assess of Upper Katherine River Area for Irrigated Horticulture</a>	1988
NT Acid Sulphate	5	NTACD_2M	2,000,000	Map and Legend only	2000
Soil Survey Stylo, Mataranka	6	STYLO_50	50,000	Not Available	2009

## LAND RESOURCES OTHER SURVEYS

1. Land Capability of the Coomalie Shire (1:25,000)
2. Land Capability Mapping in the Katherine Vicinity (1:25,000)
3. Veg Land Type Mapping Amungee Mungee (1:100,000)
4. Horticulture Potential Singleton-Murray Downs (1:200,000)
5. Land Suitability in the Greater Darwin region (1:50,000)
6. Land Types of Maryvale Pastoral Lease (1:100,000)
7. Land Capability Assessment Zuccoli and Mitchell (1:10,000)



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: LR-Land-Others-A3\_L94

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Figure 18: Other land survey locations in the Northern Territory.

## OTHER LAND SURVEYS

Other land resource surveys include a variety of other surveys that do not strictly fit the definition of land unit, land system or soil surveys. They usually target specific needs such as agricultural suitability, suitability for urban and peri-urban development, drainage mapping or a combination of these. Figure 18 shows the location of the other land surveys.

Technical Detail	
Source Information	Rangelands Division - Land Assessment Branch
Coverage	Territory Wide
Currency	1980 - 2013
Coordinates	GDA94 Latitude/Longitude
Scale of Capture	1:5,000 to 1:100,000
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-94443

SURVEY NAME	MAP REF	CODE	SCALE	REPORT TITLE	YEAR
Veg Land Type Mapping Amungee Mungee	3	AMU12_100	100,000	<a href="#">Vegetation and Land Type Mapping of Amungee Mungee Pastoral Lease (PPL 1100)</a>	2013
Land Capability of the Coomalie Shire	1	COOCL_25	25,000	Map and Legend only	2009
Land Suitability in the Greater Darwin region	5	GTDLS_50	50,000	Compilation of various reports. Refer to <a href="#">Metadata</a>	2013
Land Capability Katherine Vicinity	2	KRURA_25	25,000	Map and Spatial data only	2010
Land Types of Maryvale Pastoral Lease	6	MARYVL_100	100,000	Not Available	1980
Land Units Singleton Station - application area	4	SINGHP_200	200,000	<a href="#">A Reconnaissance Land Capability Survey Identifying Potential Areas for Horticultural Development Singleton-Murray Downs Study Area</a>	2001
Land Capability Assessment Zuccoli and Mitchell	7	ZUCC_10	10,000	Map and Legend only	2010

## LAND USE

The Land use dataset provides information on the land uses across. It was first created in 2003 and updated in 2008. The mapping uses nationally agreed standards (Australia Land Use and Management) for land use mapping.

Technical Detail	
<b>Source Information</b>	Rangelands Division - Land Assessment Branch
<b>Coverage</b>	Territory Wide
<b>Currency</b>	2003 - 2008
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Scale of Capture</b>	1:25,000 to 1:250,000
<b>Format</b>	Various GIS formats available
<b>Contact</b>	Manager
<b>Contact Phone</b>	(08) 899-94443

SURVEY NAME	CODE	SCALE	REPORT TITLE	YEAR
Land Use Mapping Project of the Northern Territory 2008	LUMP08_BRS	25,000 - 250,000	Revised Land Use Mapping of the Northern Territory	2008
Land Use Mapping Project of the Northern Territory 2008	LUMP08_NTG	25,000 - 250,000	Revised Land Use Mapping of the Northern Territory	2008
Land Use Mapping Project of the Northern Territory 2003	LUMP 2003	25,000 - 250,000	<a href="#">Land Use Mapping of the Northern Territory</a>	2003

# WATER





# Spatial Gateway

## INTRODUCTION

Water Resources Division administers licences and permits issued under the Water Act. The Act provides for the investigation, allocation, use, control, protection, management and administration of water resources.

Water Resources Division is also responsible for the development of Water Allocation Plans across the Northern Territory. Water Allocation Plans are declared under the Act to ensure that water extraction is undertaken in a sustainable and equitable manner that protects our unique environment.

Other functions provided by Water Resources Division include surface water and groundwater monitoring; assessment of water resource development potential; flood risk assessment and mapping; water bore drilling and test pumping; investigation and monitoring of aquatic health in major rivers and Darwin Harbour; and provision of a wide range of water resource data and information to other NTG agencies and external stakeholders.





Department of  
Land Resource Management

## WATER RESOURCES

1: 25,000 and  
1: 50,000 scale

1. Groundwater Resources of the Darwin Area
2. Water Resources of Holmes Jungle Area
3. Knuckey Lagoon Groundwater
4. Groundwater Resources of the Berry Springs - Noonamah Area
5. Daly River Catchment
6. Sinkholes of the Katherine Region
7. Springs of the Mataranka Area
8. Water Resources of North East Bathurst Island



km 0 50 100

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: WR-25-50k-maps-A3\_L94

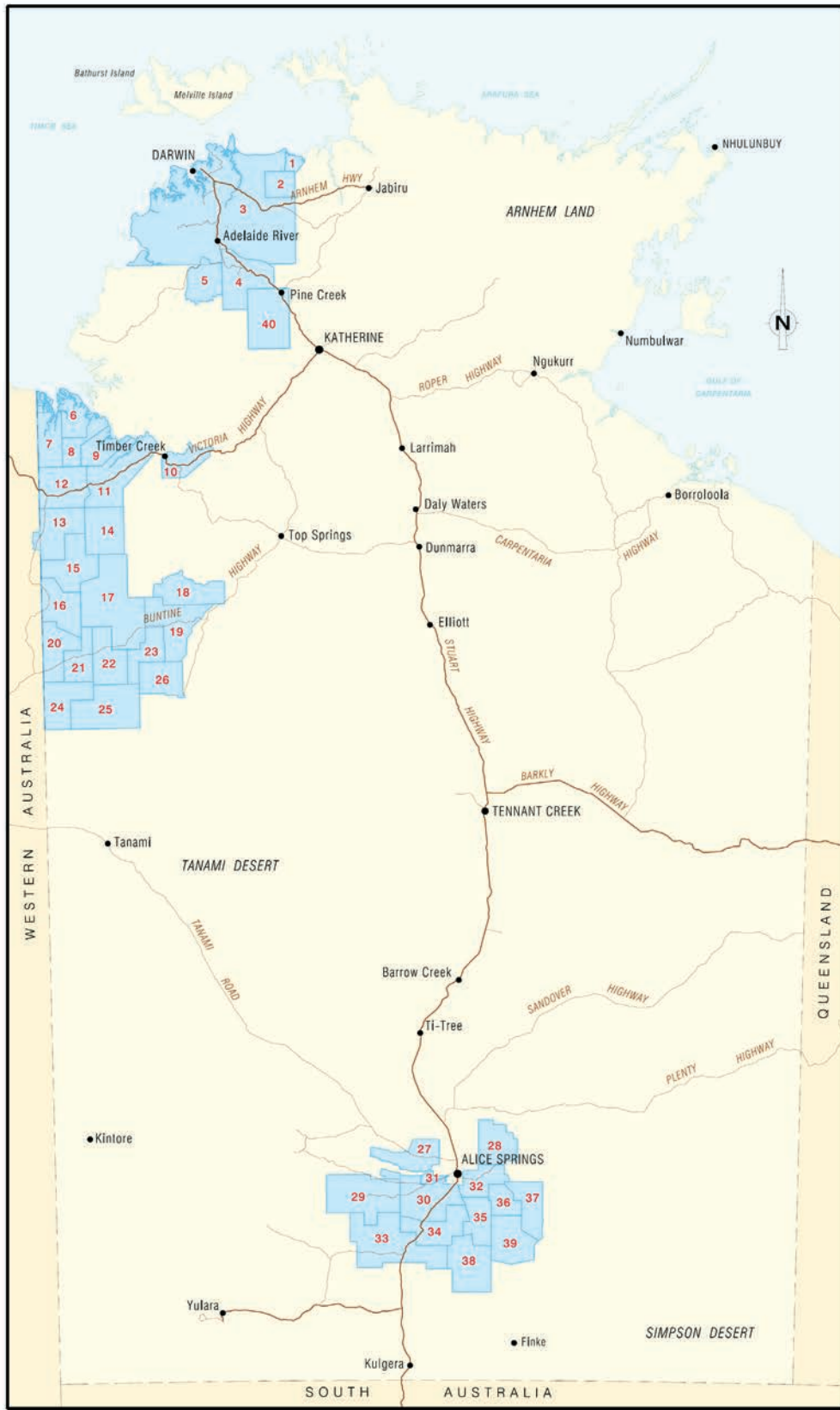
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Figure 19: Water Resources survey locations in the Northern Territory at 1:25,000 and 1:50,000.

# WATER RESOURCES

1: 100,000 scale



1. Water Availability of Carmor Plain
2. Water Availability of Wildman River
3. Hydrogeology of Darwin
4. Water Resources of Bullo River Station
5. Water Resources of Tipperary Station
6. Water Resources of Legune Station
7. Water Resources of Keep River Plains
8. Water Resources of Spirit Hill Station
9. Water Resources of Amanbidji Station
10. Water Resources of Fitzroy Station
11. Water Resources of Auvergne Station
12. Water Resources of Newry Station
13. Water Resources of Rosewood Station
14. Water Resources of Amanbidji Station
15. Water Resources of Waterloo Station
16. Water Resources of Mistake Creek
17. Water Resources of Limbunya Station
18. Water Resources of Mount Sanford Station
19. Water Resources of Daguragu Station
20. Water Resources of Kirrkimbie Station
21. Water Resources of Bunda Station
22. Water Resources of Inverway Station
23. Water Resources of Riveren Station
24. Water Resources of Wallamunga Station
25. Birrindudu Station - Water Resources
26. Water Resources of Hooker Creek
27. Water Resources Assessment of Hamiltons Downs Station
28. Water Resources Assessment of The Garden Station
29. Water Resources Assessment of Ntaria
30. Water Resources Assessment of Owen Springs Station
31. Water Resources Assessment of Iwupataka (Jay Creek)
32. Water Resources Assessment of Undoolya Station
33. Water Resources Assessment of Henbury Station
34. Water Resources Assessment of Orange Creek Station
35. Water Resources Assessment of Deep Well Station
36. Water Resources Assessment of Ltyentye Apurte (Santa Teresa)
37. Water Resources Assessment of Todd River Station
38. Water Resources Assessment of Maryvale Station
39. Water Resources of Allambi Station
40. Water Availability of Jindare and Claravale Stations



Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00" S & 12°40'00" S  
 Horizontal Datum GDA 94

Design File: WR-100k-maps-A3\_L94

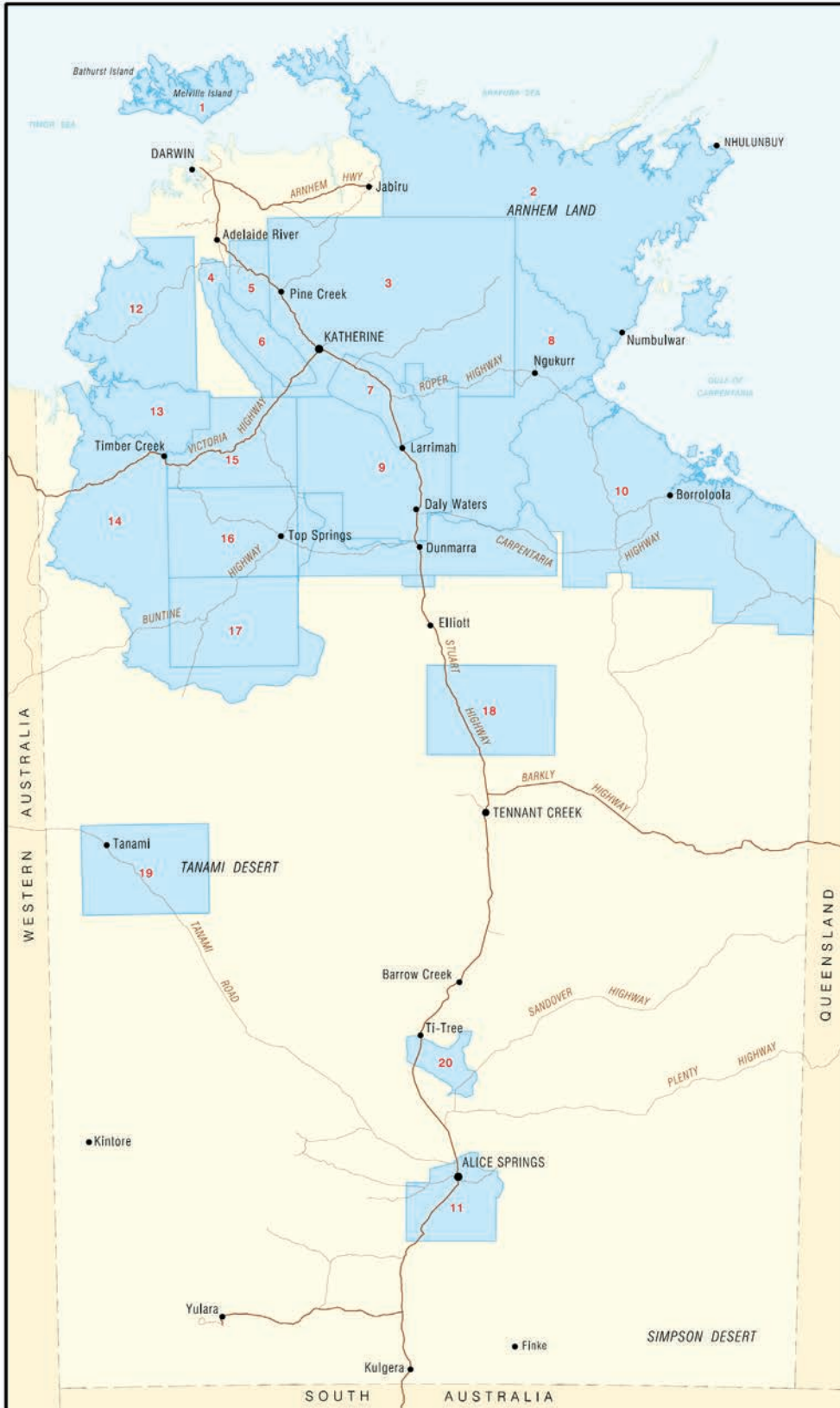
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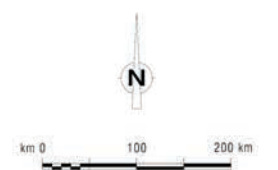
Figure 20: Water Resources survey locations in the Northern Territory at 1:100,000.

## WATER RESOURCES

1: 250,000 scale



1. Water Resources of the Tiwi Islands
2. Water Resources of Arnhem Land
3. Water Resources of Katherine Region and SW Arnhem Land
4. Daly Basin Aquifers
5. Hydrogeology of Pine Creek
6. Ooloo Aquifer
7. Tindall Aquifer at Mataranka
8. Roper River Catchment
9. Hydrogeology of the Sturt Plateau
10. Gulf Water Study
11. Alice Springs Groundwater
12. Water Resources of Wadey and Nauyiu
13. Water Resources of Bradshaw Station
14. Victoria River Catchment
15. Hydrogeology of Delamere
16. Hydrogeology of Victoria River Downs
17. Hydrogeology of Wave Hill
18. Hydrogeology of Helen Springs
19. Hydrogeology of Granites - Tanami Mining Region
20. TI Tree Basin Aquifer



Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: WR-250k-maps-A3\_L94

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Figure 21: Water Resources survey locations in the Northern Territory at 1:250,000.

## WATER RESOURCES

1: 500,000 scale

1. Water Resource Availability within 150 KM of Katherine
2. Water Resources of the Daly River Catchment
3. Water Resources of the Victoria River District
4. Water Resources of Barkly and Gulf Region
5. Hydrogeology of the Yuendumu - Papunya - Kintore Region (Western Water Study)
6. Groundwater of Western Davenport Water Control District



Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S & 12°40'00"S  
 Horizontal Datum GDA 94

Design File: WR-500k-maps-A3\_L94

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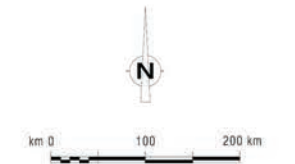
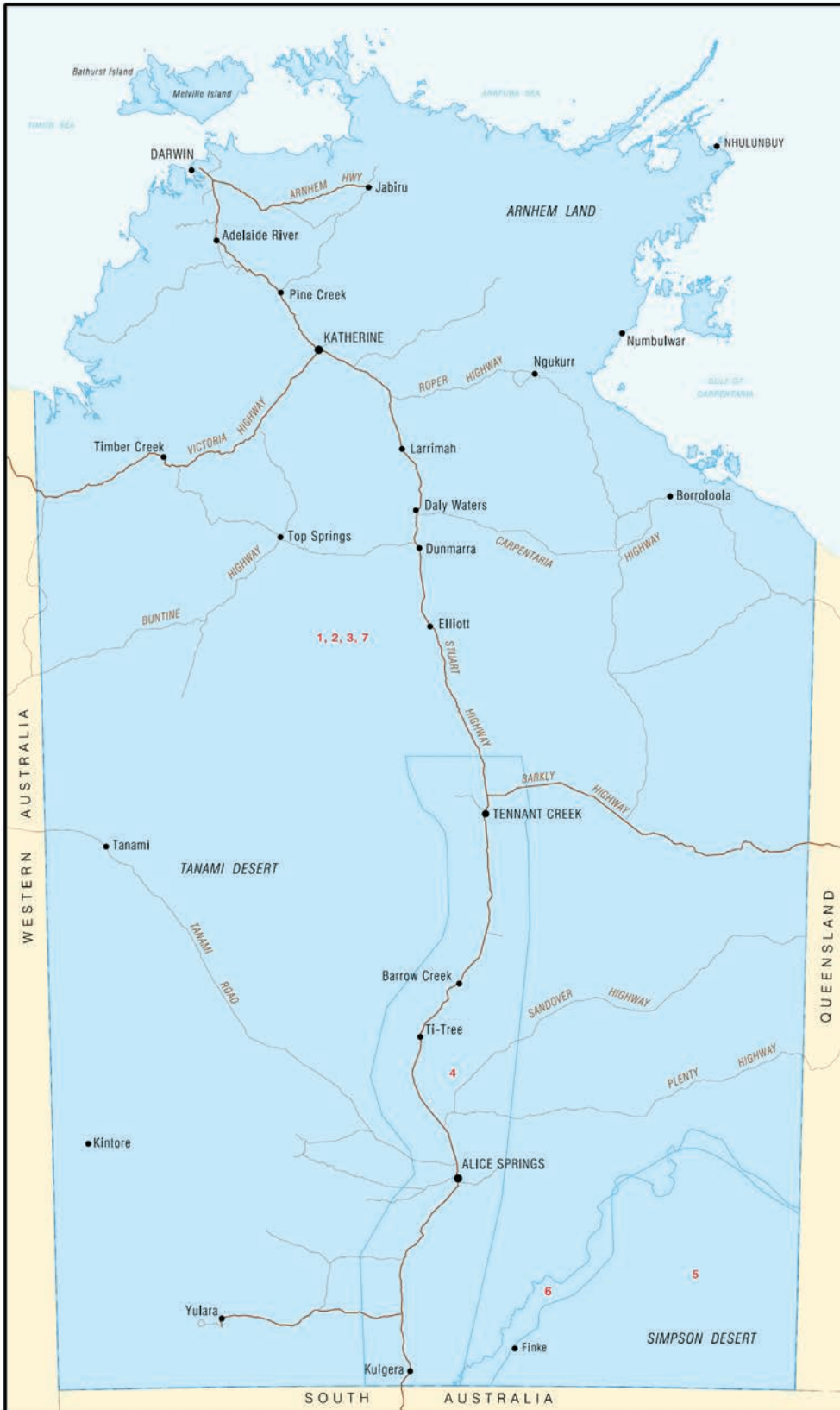
The Northern Territory of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss damage or injury suffered by any person as a result of its inaccuracy or incompleteness.

Figure 22: Water Resources survey locations in the Northern Territory at 1:500,000.

## WATER RESOURCES

**1: 1,000,000 and  
1: 2,000,000 scale**

1. Northern Territory Dryland Salinity Hazard Risks
2. Northern Territory Groundwater - Aquifer Types
3. Northern Territory Springs
4. Stuart Highway and Railway Corridor - S.A Border to Tenant Creek - Water Prospect
5. Hydrogeology of the Great Artesian Basin
6. Hydrogeology of the Great Artesian Basin 2013
7. Sinkholes of the Northern Territory



Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: WR-1M-maps-A3\_L94

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Figure 23: Water Resources survey locations in the Northern Territory at 1:1,000,000 and 1:2,000,000.

## HYDROGEOLOGICAL INFORMATION

Hydrogeological surveys provide information on the groundwater and water development options in the Northern Territory. Groundwater data is stored in the Hydstra database which is then use to produce the water development option dataset commonly for pastoral properties. The groundwater and water development datasets are managed within ArcGIS Platform as Shapefile and File Geodatabase. These datasets are also stored in an ORACLE database distributed as a spatial dataset via the ArcGIS Server and NR MAPS

Technical reports and hydrogeological maps complete the hydrogeological information. Technical reports are available from the Northern Territory Library website. The hydrogeological maps from the Map Products layer in NR MAPS. In addition, the Bore Statement report for registered bores are available from the Water Resources NT Bores layer in NR MAPS. Figures 19 to 23 shows the location of the hydrogeological surveys at various scales.

Technical Detail	
<b>Source Information</b>	Water Resources Division - Water Assessment Unit
<b>Coverage</b>	Territory Wide
<b>Currency</b>	1989 - 2016
<b>Scale of capture</b>	1:25,000 to 1:2,000,000
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Format</b>	Various GIS formats; Oracle Database and PDF maps available
<b>Contact</b>	Manager
<b>Contact Phone</b>	(08) 899-93602

### *Water Resources 1:25,000 and 1:50,000 surveys listing.*

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
North East Bathurst Island Bio-Physical Resources	BATHU_25	8	25,000	<a href="#">Tiwi Island Economic Development - Bio-Physical Resources of North East Bathurst Island</a>	2015
Groundwater Resources of the Berry Springs-Noonamah Area	BERRY_50	4	50,000	<a href="#">Hydrogeology of Berry Springs-Noonamah Area</a>	1995
Daly River Catchment – Top End Waterways Project	DALYCATCH_50	5	50,000	<a href="#">Daly River Catchment: Part 1 An Assessment of the Physical and Ecological Condition of the Daly River and its Major Tributaries</a> <a href="#">Daly River Catchment: Part 2 Accompanying Sub-catchment Information</a>	1998
Groundwater Resources of the Darwin Area	DWN_25	1	25,000	Map and Legend only	2002
Water Resources of Holmes Jungle Area	HOLMJ_25	2	25,000	Map and Legend only	2005
Knuckey Lagoon Groundwater	KNUCK_25	3	25,000	Map and Legend only	2005
Sinkholes of the Katherine Region	KSINK_50	6	50,000	<a href="#">Land Degradation Associated with Sinkhole Development in the Katherine Region</a>	2001
Springs of the Mataranka Area	MATAR_50	7	50,000	Map and Legend only	2004

**Water Resources 1:100,000 surveys listing.**

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Water Resources Assessment Project Alice Springs Region - Allambi Station	ALAMB_100	39	100,000	Map and Legend only	1998
Water Resources of Amanbidji Station	AMANB_100	14	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Amanbidji Station. A Guide for Water Resources Management.</a>	1994
Water Resources of Auvergne Station	AUVER_100	11	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Auvergne Station. A Report for the Station Manager</a>	1994
Water Resources of Birrindudu Station	BIRRU_100	25	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Wallamunga &amp; Birrindudu Stations</a>	1996
Water Resources of Bullo River Station	BULLO_100	9	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Bullo River Station</a>	1995
Water Resources of Bunda Station	BUNDA_100	21	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Bunda and Kirkimbie Stations</a>	1996
Water Availability Map Carmor Plain	CARMO_100	1	100,000	Map and Legend only	2005
Water Resources of Daguragu Station	DAGUR_100	19	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Daguragu Station</a>	1997
Water Resources of Deep Well Station	DEEPW_100	35	100,00	Map and Legend only	1996
Water Resources of Douglas Station	DOUGL_100	4	100,000	<a href="#">Preliminary Water Supply Evaluation. Douglas, Jindare and Claravale Stations</a>	1995
Hydrogeology of Darwin	DWN_100	3	100,000	<a href="#">Hydrogeological Map of Darwin. Explanatory notes 1:250000</a>	2002
Water Resources of Fitzroy Station	FTZRY_100	10	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Fitzroy Station</a>	1997
Water Resources of the Garden Station	GARDE_100	28	100,000	Map and Legend only	1996
Water Resources of Hamilton Downs Station	HAMIL_100	27	100,000	Map and Legend only	2000
Water Resources of Henbury Station	HENBR_100	33	100,000	Map and Legend only	1996
Water Resources Development of Hooker Creek Station and Lajamanu Community	HOOKC_100	26	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Hooker Creek</a>	1996
Water Resources of Inverway Station	INVER_100	22	100,000	<a href="#">Water Resources survey of the Western Victoria River District – Inverway Station</a>	1996
Water Resources of Iwupataka Station	IWUPA_100	31	100,000	Map and Legend only	1996

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Water Resources of Jindare and Claravale Stations	JINDR_100	40	100,000	Map and Legend only	2003
Water Resources of Keep River Plain	KEEPR_100	7	100,000	Map and Legend only	1994
Water Resources of Kirkimbie Station and N.T. Portion 3540	KIRKI_100	20	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Bunda and Kirkimbie Stations</a>	1996
Water Resources of Legune Station	LEGUN_100	6	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Legune Station</a>	1995
Water Resources of Limbunya Station	LIMBU_100	17	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Limbunya Station</a>	1997
Water Resources of Maryvale Station	MARYV_100	38	100,000	Map and Legend only	2000
Water resources of Mistake Creek Station	MSTCK_100	16	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Mistake Creek Station</a>	1997
Water Resources of Mount Sanford Station	MTSAN_100	18	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Mt. Sanford Station</a>	1997
Water Resources of Newry Station	NEWRY_100	12	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Newry Station</a>	1995
Water Resources of Ntaria Station	NTARI_100	29	100,000	Map and Legend only	1996
Water Resources of Orange Creek Station	ORGCK_100	34	100,000	Map and Legend only	1996
Water resources of Owen Springs Station	OWENS_100	30	100,000	Map and Legend only	1996
Water Resources of Riveren Station	RIVER_100	23	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Riveren Station</a>	1996
Water Resources of Rosewood Station	ROSWD_100	13	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Rosewood Station. A Report for the Station Manager</a>	1994
Water Resources of Spirit Hill Station	SPRTH_100	8	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Spirit Hill Station</a>	1995
Water Resources of Santa Teresa	STERE_100	36	100,000	Map and Legend only	1996
Water Resources of Tipperary Station	TIPRY_100	5	100,000	Map and Legend only	2010
Water Resources of Todd River Station	TODDR_100	37	100,000	Map and Legend only	1996
Water Resources of Undoolya Station	UNDOL_100	32	100,000	Map and Legend only	1996
Water Resources of Wallamunga Station	WALLA_100	24	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Birrindudu and Wallamunga Stations</a>	1996

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Water Resources Survey of Waterloo Station	WATER_100	15	100,000	<a href="#">Water Resources Survey of the Western Victoria River District - Waterloo Station. A Report for the Station Manager</a>	1994
Water Resources of Wildman River	WILDR_100	2	100,000	Map and Legend only	2005

**Water Resources 1:250,000 surveys listing.**

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Alice Springs Groundwater	ALICE_250	11	250,000	Map and Legend only	2009
Water Resources of Arnhem land	ARNHM_250	2	250,000	<a href="#">Water Resources of North Eastern Arnhem Land. Volume 1 (Main Report)</a>	1999
Water Resources of Bradshaw Station	BRADS_250	13	250,000	<a href="#">Water Resources Survey of the Western Victoria River District - Bradshaw Station</a>	1995
Daly Basin Aquifers	DBAQ_250	4	250,000	<a href="#">Groundwater in the Daly Basin 2009</a>	2011
Hydrogeology of Delamere	DELAM_250	15	250,000	<a href="#">Hydrogeology of Delamere. Explanatory Notes &amp; 1:250,000 Scale Map</a>	1996
Hydrogeology of the Granites-Tanami Mining Region	GRANT_250	19	250,000	<a href="#">Hydrogeology of the Granites-Tanami Mining Region. Explanatory Notes for the 1:250,000 Scale Map</a>	1990
Gulf Water Study, Northern Territory	GULF_250	10	250,000	<a href="#">Gulf Water Study - Final Report</a>	2009
Hydrogeology of Helen Springs	HELEN_250	18	250,000	<a href="#">Hydrogeology of Helen Springs. Explanatory Notes &amp; 1:250,000 Scale Map</a>	1992
Water Resources of the Katherine Region and South West Arnhemland	KATHA_250	3	250,000	<a href="#">Water Resources of the Katherine Region and South West Arnhemland</a>	2001
Hydrogeology Map of the Tindall Aquifer at Mataranka	MATAR_250	7	250,000	Map and Legend only	2013
Oolloo Aquifer	OLAQ_250	6	250,000	Map and Legend only	2011
Hydrogeology of Pine Creek	PINEC_250	5	250,000	<a href="#">Hydrogeology of the Pine Creek Mining Region. Explanatory notes &amp; 1:250,000 Scale Map</a>	1989
Roper River Catchment	ROPERCATCH_250	8	250,000	<a href="#">Roper River Catchment - An Assessment of the Physical and Ecological Condition of the Roper River and its Major Tributaries</a>	2001
Hydrogeology of the Sturt Plateau - Explanatory Notes for 1:250 000 Scale Map	STURT_250	9	250,000	<a href="#">Hydrogeology of the Sturt Plateau. Explanatory Notes &amp; 1:250 000 Scale Map</a>	2000

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Water Resources of Tiwi Islands	TIWI_250	1	250,000	<a href="#">Volume 1. Water Resources of Tiwi Islands - Main Report</a>	2003
Ti-Tree Basin Aquifer	TTBAQ_250	20	250,000	Map and Legend only	2010
Victoria River Catchment – Top End Waterways Project	VICCATCH_250	14	250,000	<a href="#">Victoria River Catchment - An Assessment of the Physical and Ecological Condition of the Victoria River and its Major Tributaries</a>	2004
Victoria River Downs Hydrogeology	VRDWN_250	16	250,000	Map and Legend only	1997
Water Resources of Wadeye (Port Keats) and Naiyu (Daly River) Region	WADEY_250	12	250,000	<a href="#">Volume 1. Water Resources of Wadeye (Port Keats) and Naiyu (Daly River) Region - Main Report</a>	2003
Hydrogeological map of Wave Hill	WAVEH_250	17	250,000	<a href="#">Hydrogeology of Wave Hill. Explanatory Notes &amp; 1:250,000 Scale Map</a>	1995

#### **Water Resources 1:500,000 surveys listing.**

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Water Resources of Barkly and Gulf Region	BARKY_500	4	500,000	<a href="#">Water Resources Assessment Project Barkly/Gulf Region - Drilling, Geophysical Logging and Test Pumping</a>	1997
Water Resources of Daly River Catchment	DALY_500	2	500,000	Map and Legend only	2002
Groundwater in the Western Devenport Water Control District	WDAV_500	6	500,000	Map and Legend only	2002
Water Resources Availability within 150 KM of Katherine	KATH_500	1	500,000	Map and Legend only	2002
Hydrogeology of the Yuendumu_Papunya_Kintore Region	WESTW_500	5	500,000	<a href="#">Western Water Study - Hydrogeology of the Yuendumu – Papunya – Kintore Region NT Western Water Study (Wiluraratja Kapi), Northern Territory</a>	1998
Water Resources of the Victoria River District	WVRD_500	3	500,000	<a href="#">Water Resources Survey of the Western Victoria River District - Water Resources of the Victoria River District</a>	1998

#### **Water Resources 1:1,000,000 and 1:2,000,000 surveys listing.**

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Hydrogeological map of the Northern Territory Great Artesian Basin	GAB_1M	6	1,000,000	Map and Legend only	2013
Hydrogeology of the Great Artesian Basin	GABAS_1M	5	1,000,000	<a href="#">Hydrogeology of the Great Artesian Basin</a>	1996
Northern Territory Aquifers	NTAQ_2M	2	2,000,000	<a href="#">Groundwater - Explanatory Notes to the Groundwater Map of the Northern Territory</a>	2013

SURVEY NAME	CODE	MAP REF	SCALE	REPORT	YEAR
Northern Territory Dryland Salinity Hazards Risks	NTGW_2M	1	2,000,000	<a href="#">Dryland salinity hazard map of the Northern Territory</a>	1994
Springs, Northern Territory	NTSPR_2M	3	2,000,000	Map and Legend only	2013
Sinkholes of the Northern Territory	NTSINK_2M	7	2,000,000	Data only	2016
Stuart Highway and Railway Corridor Water Prospect	SATC_1M	4	1,000,000	Map and Legend only	2002

## HYDROLOGY INFORMATION

The Water Monitoring Group within Water Resources Division has been responsible for maintaining a data warehouse of the Territory's surface water and groundwater data since 1964. The group manages and provides surface water, groundwater and meteorological information for the purpose of flood forecasting and water allocation management.

The Hydstra database is used to store, manage and disseminate to the public using the Hydstra database. Hydstra has a suite of software systems for managing hydrological data and provides a basis for data analysis, modelling and flow predictions. Hydstra/GW is a system for managing bore and groundwater related data. Hydstra/WQ is a system for managing and analysing discrete water quality data generated when water samples are sent to a laboratory for the analysis of various chemical, physical and biological properties.

## WATER DATA PORTAL

The Water Data Portal provides access to data and information collected and generated by Water Resources Division. Latest flood monitoring sites, river heights and rainfall readings as well as data warehouse of rivers, rainfall and bores data are accessible at <https://nt.gov.au/environment/water/water-data-portal>

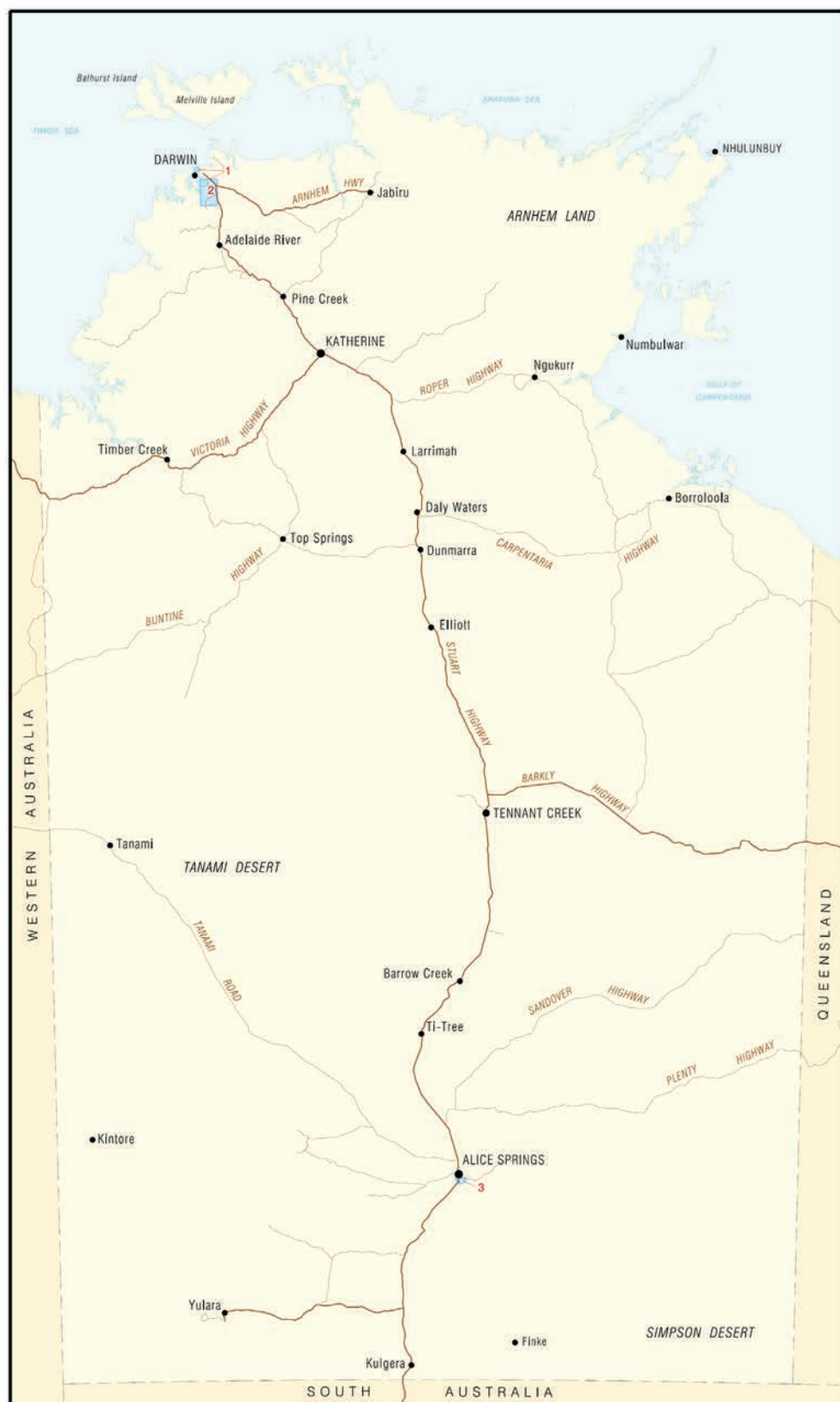
Technical Detail	
Source Information	Water Resources Division - Water Monitoring Group
Coverage	Territory Wide
Currency	1964 - 2016
Scale of capture	1:25,000 to 1:2,000,000
Coordinates	GDA94 Latitude/Longitude
Format	SQL server database
Contact	Manager
Contact Phone	(08) 899-93676

## WATER INUNDATION INFORMATION

The Water Assessment Unit within Water Resource NT produces the floodplain maps and storm surge inundation maps.

## WATER INUNDATION Flood Studies

1. Rapid Creek Flood Study
2. Elizabeth and Blackmore River Catchments Flood Study
3. Alice Springs Flood Investigation and Floodplain Mapping Study



km 0 100 200

Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S & 12°40'00"S  
 Horizontal Datum GDA 94

Design File: WI-Flood-Studies-A3\_L94

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Figure 24: Location of floodplain studies in the Northern Territory.

## FLOOD STUDIES

Detailed flood studies (hydrologic and hydraulic) have been completed for Alice Springs, Elizabeth and Blackmore River Areas, Katherine (Town and Rural area), Wugularr (Beswick) Community, Borroloola Town and Rapid Creek, mapping areas of inundation. Maps created from these flood studies are called floodplain maps which showed various flood magnitudes. Figure 24 shows the location of the floodplain studies.

Technical Detail	
Source Information	Water Resources Division - Water Assessment Unit
Coverage	Territory Wide
Currency	2006 - 2013
Scale of capture	Various
Coordinates	GDA94 Latitude/Longitude and MGA94
Format	Various GIS formats available
Contact	Manager
Contact Phone	(08) 899-93686

REGION	MAP NAME	MAP DATE	DATA	REPORT
Alice Springs Town Area	Computed 1% AEP (1 in 100 year) Flood Extent and Peak Flood Surface Contours	October 2015	Available	<a href="#">Alice Springs Flood Investigation and Floodplain Mapping Study</a>
Alice Springs Rural Area West	Computed 1% AEP (1 in 100 year) Flood Extent and Peak Flood Surface Contours	October 2015	Available	
Alice Springs Rural Area East	Computed 1% AEP (1 in 100 year) Flood Extent and Peak Flood Surface Contours	October 2015	Available	
Borroloola	Computed 5% AEP (1 in 20 year) Flood Extent and Flood Surface Contours	March 2012		<a href="#">Borroloola Floodplain Mapping Study</a>
	Computed 2% AEP (1 in 50 year) Flood Extent and Flood Surface Contours	March 2012		
	Computed 1% AEP (1 in 100 year) Flood Extent and Flood Surface Contours	March 2012		
	Computed 0.5% AEP (1 in 200 year) Flood Extent and Flood Surface Contours	March 2012		
	Computed 0.2% AEP (1 in 500 year) Flood Extent and Flood Surface Contours	March 2012		
	Computed Probable Maximum Flood (PMF) Extent and Flood Surface Contours	March 2012		
Elizabeth and Blackmore River Areas	Computed 1% AEP (1 in 100 year) Flood Extent and Peak Flood Surface Contours for 2100. Sheet 1.	April 2014		<a href="#">Elizabeth &amp; Blackmore River Catchments Flood Study</a>
	Computed 1% AEP (1 in 100 year) Flood Extent and Peak Flood Surface Contours for 2100. Sheet 2.	April 2014		
Katherine Town and Rural Area	Computed 5% AEP (1 in 20 year) Flood Extent and Flood Surface Contours	June 2006		<a href="#">Katherine River Flood Study</a>

REGION	MAP NAME	MAP DATE	DATA	REPORT
	Computed 2% AEP (1 in 50 year) Flood Extent and Flood Surface Contours	June 2006		
	Computed 1% AEP (1 in 100 year) Flood Extent and Flood Surface Contours	June 2006		
Katherine Town Area	Computed 5% AEP (1 in 20 year) Flood Extent and Flood Surface Contours	June 2006		
	Computed 2% AEP (1 in 50 year) Flood Extent and Flood Surface Contours	June 2006		
	Computed 1% AEP (1 in 100 year) Flood Extent and Flood Surface Contours	June 2006		
Rapid Creek	Computed 1% AEP (1 in 100 year) Flood Extent and Peak Flood Surface Contours for 2100	November 2013		<a href="#">Rapid Creek Flood Study</a>
Wugularr	Wugularr (Beswick) - Extent of Inundation and Hazardous Areas under 100 Year ARI Flood Event	September 2001		<a href="#">Flood investigation of the communities of Beswick, Mataranka, Djilkminggan and Elsey</a>
	Wugularr (Beswick) - Extent of Inundation and Hazardous Areas under 50 Year ARI Flood Event	September 2001		

## FLOODING MAPS

Flooding maps (Probable and Possible Areas of flooding) for Katherine town and rural areas have been developed to show the likelihood of flood inundation corresponding to the Flood Warning Advices in Katherine. They are based on modelled extents of flooding at specific river levels caused by a 100 year Average Recurrence Interval Storm event falling uniformly over the Katherine River catchment.

Technical Detail	
Source Information	Water Resources Division- Water Assessment Unit
Coverage	Katherine
Currency	2012
Scale of capture	Various
Coordinates	GDA94 Latitude/Longitude and MGA94
Format	Various GIS formats available
Contact	Manager
Contact Phone	(08) 899-93686

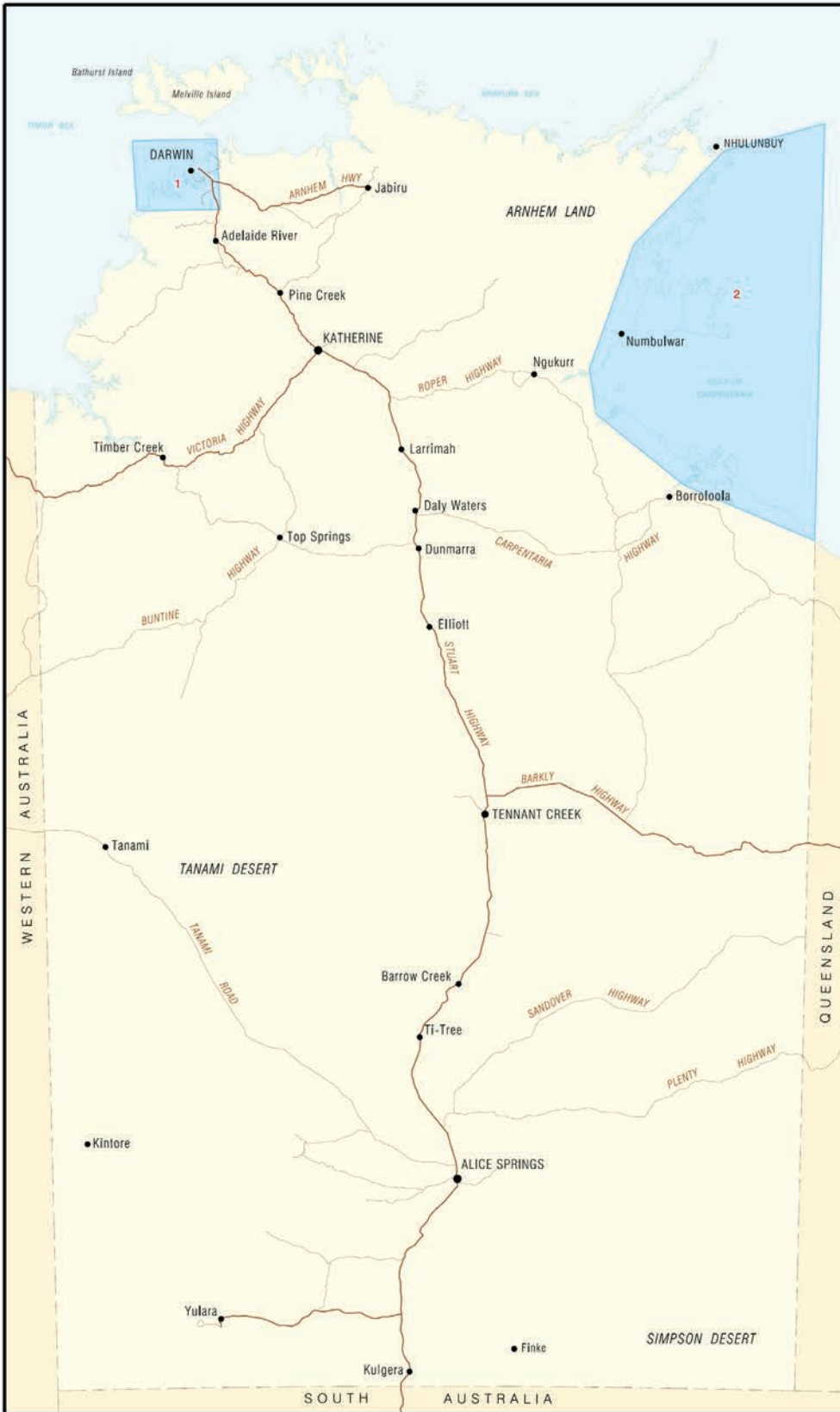
MAP NAME	MAP DATE
Minor Flood Warning - Katherine and Moderate Flood Warning - Gorge Road	October 2012
Moderate Flood Warning - Katherine and Major Flood Warning - Gorge Road	October 2012
Major Flood Warning - Katherine	October 2012



Department of Land Resource Management

## WATER INUNDATION Storm Surge Studies

- 1. Darwin Storm Tide Mapping Study
- 2. Gulf of Carpentaria Storm Tide and Inundation Study



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00" S & 12°40'00" S  
Horizontal Datum GDA 94

Design File: WI-storm-surge-A3\_L94

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Figure 25: Location of storm surge studies in the Northern Territory.

## STORM SURGE STUDIES

Storm Surge Inundation maps based on projected 2100 sea level for various return periods for example, 1 in 100 year or 100 year Average Recurrence Interval (ARI) have been developed for Darwin, Palmerston, Dundee, Cox Peninsula, Weddell and eight NT communities in the Gulf of Carpentaria. These maps show the total storm tide or storm surge hazard risk due to the combined effects of astronomical tide plus storm surge plus wave setup. This information is used for land use planning. Figure 25 shows the location of the storm surge studies.

Technical Detail	
Source Information	Water Resources Division - Water Assessment Unit
Coverage	Specific areas across the Territory
Currency	2014
Scale of capture	Various
Coordinates	GDA94 Latitude/Longitude and MGA94
Format	Various GIS formats available
Contact	Manager
Contact Phone	(08) 899-93686

REGION	MAP NAME	MAP DATE	REPORT
GREATER DARWIN AREA			<a href="#">High Resolution Storm Tide and Climate Change Impacts Study - 2010</a>
	Cox Peninsula Area	Cox Peninsula Area Storm Surge Inundation for 2100	June 2011
	Darwin Area	Darwin Area Storm Surge Inundation for 2100	June 2011
	Dundee Area 1	Dundee Area 1 Storm Surge Inundation for 2100	June 2011
	Dundee Area 2	Dundee Area 2 Storm Surge Inundation for 2100	June 2011
	Palmerston	Palmerston Area Storm Surge Inundation for 2100	June 2011
	Weddell	Weddell Area Storm Surge Inundation for 2100	June 2011
NT COMMUNITIES IN GULF OF CARPENTARIA			<a href="#">Report for Gulf of Carpentaria Storm Tide and Inundation Study. Stages 1 and 2. Final Report</a>
	Baniyala Area	Baniyala Storm Surge Inundation for 2100	April 2013
	Alyangula Area	Alyangula - Groote Eylandt Storm Surge Inundation 2100	April 2013
	Bing Bong Area	Bing Bong Load out Facility Storm Surge Inundation for 2100	October 2013
	King Ash Bay	King Ash Bay Storm Surge Inundation for 2100 (2 Sheets)	December 2013
	Milyakburra Area	Milyakburra Storm Surge Inundation for 2100	June 2013

REGION	MAP NAME	MAP DATE	REPORT
Numbulwar	Numbulwar Storm Surge Inundation for 2100 (2 Sheets)	January 2014	
Umbakumba Area	Umbakumba Storm Surge Inundation for 2100	September 2013	
Yirrkala Area	Yirrkala Storm Surge Inundation for 2100	May 2013	

## STORM SURGE INUNDATION MAPS FOR EMERGENCY SERVICES

These five maps were drawn the purposes of emergency management and planning. The datasets are available to Emergency Services only.

Technical Detail	
<b>Source Information</b>	Water Resources Division - Water Assessment Unit
<b>Coverage</b>	Specific areas across the Territory
<b>Currency</b>	2011
<b>Scale of capture</b>	Various
<b>Coordinates</b>	GDA94 Latitude/Longitude and MGA94
<b>Format</b>	Various GIS formats available
<b>Contact</b>	Manager
<b>Contact Phone</b>	(08) 899-93686

REGION	MAP NAME	MAP DATE
Cox Peninsula Area	Cox Peninsula Area 10,000 Year Storm Surge Inundation for 2100	June 2011
Darwin Area	Darwin Area 10,000 Year Storm Surge Inundation for 2100	June 2011
Dundee Area 1	Dundee Area 1 10,000 Year Storm Surge Inundation for 2100	June 2011
Dundee Area 2	Dundee Area 2 10,000 Year Storm Surge Inundation for 2100	June 2011
Palmerston Area	Palmerston Area 10,000 Year Storm Surge Inundation for 2100	June 2011
Weddell Area	Weddell Area 10,000 Year Storm Surge Inundation for 2100	June 2011



Department of Land Resource Management

## WATER CONTROL DISTRICTS

- 1. Darwin Rural
- 2. Daly Roper
- 3. Tennant Creek
- 4. Western Davenport
- 5. Ti-Tree
- 6. Alice Springs
- 7. Great Artesian Basin
- 8. Gove



Projection - Lambert Conformal Conic  
 Standard Parallels 23°20'00"S & 12°40'00"S  
 Horizontal Datum GDA 94

Design File: WR-WCDs-A3\_L94

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Figure 26: Declared Water Control Districts in the Northern Territory.



Department of Land Resource Management

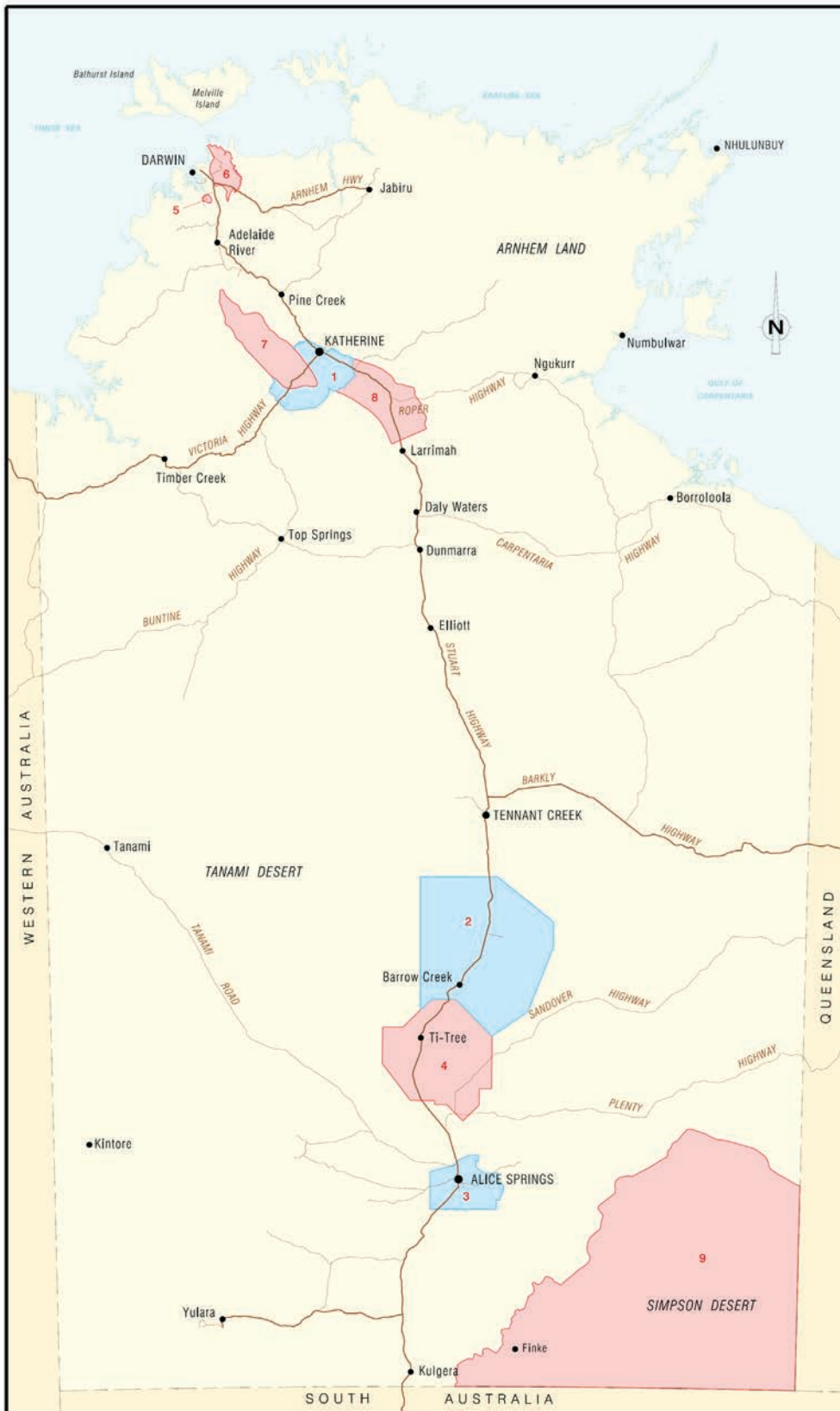
# WATER ALLOCATION PLANNING AREAS

## DECLARED

- 1. Tindall, Katherine 2009 - 2019
- 2. Western Davenport 2011 - 2021
- 3. Alice Springs 2016 - 2026

## IN PROGRESS

- 4. Ti-Tree
- 5. Berry Springs
- 6. Howard East
- 7. Ooloo
- 8. Mataranka
- 9. Great Artesian Basin



km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: WR-Allocation-Areas-A3\_L94

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Figure 27: Water Allocation Planning Areas in the Northern Territory.

## WATER MANAGEMENT AREAS - WATER CONTROL DISTRICTS AND WATER ALLOCATION PLANS

The Water Management Areas define the boundary extents of Water Management Zones within Water Allocation Plan Areas (WAPA's) and Water Control Districts (WCD's) for surface water and groundwater management. WCD's are areas declared where there is a need for enhanced management for the sustainability of groundwater reserves and river flows. Figures 26 and 27 shows the locations of the WCD's and the WAPA's.

Technical Detail	
Source Information	Water Resources Division - Policy and Planning Unit
Coverage	Territory wide
Currency	2009 - 2016
Scale of capture	Various
Coordinates	GDA94 Latitude/Longitude and MGA94
Format	Various GIS formats; Oracle Database and PDF maps available
Contact	Manager
Contact Phone	(08) 899-93602

WATER CONTROL DISTRICTS	WAPA - DECLARED	WAPA - IN PROGRESS
Alice Springs	Alice Springs Water Allocation Plan - 2016 to 2026	
Daly Roper	Katherine (Tindall Limestone Aquifer) Water Allocation Plan – 2009 to 2019	Daly Region (Ooloo Dolostone Aquifer) Water Allocation Plan
		Mataranka (Tindall Limestone Aquifer) Water Allocation Plan
Darwin Rural		Berry Springs Water Allocation Plan
		Howard East Water Allocation Plan
Gove		
Great Artesian Basin		Great Artesian Basin Water Allocation Plan
Tenant Creek		
Ti-Tree		Ti Tree Water Control District Water Allocation Plan - 2009 (expired)
Western Davenport	Western Davenport Water Control District Water Allocation Plan - 2011 to 2021	

## WATER EXTRACTION LICENCES

The NT Water Act requires a public register for all water extraction licences. The register provides information about the resource, licensees and their water entitlements. It is also a useful resource if you are considering water trading. The Water Licence Register provides details pertaining to current Groundwater and Surface Water Licences in the relation to water trading under regional Water Allocation Plans. This information is available on the internet at <https://nt.gov.au/environment/water>.

## WATER DRILLING LICENCES

The drilling licence register provides information about licenced water bore drillers in the Northern Territory. This information is available from the internet at <https://nt.gov.au/environment/water>.

Technical Detail	
Source Information	Water Resources Division - Policy and Planning Unit
Coverage	Territory wide
Currency	2016
Contact	Manager
Contact Phone	(08) 899-93630

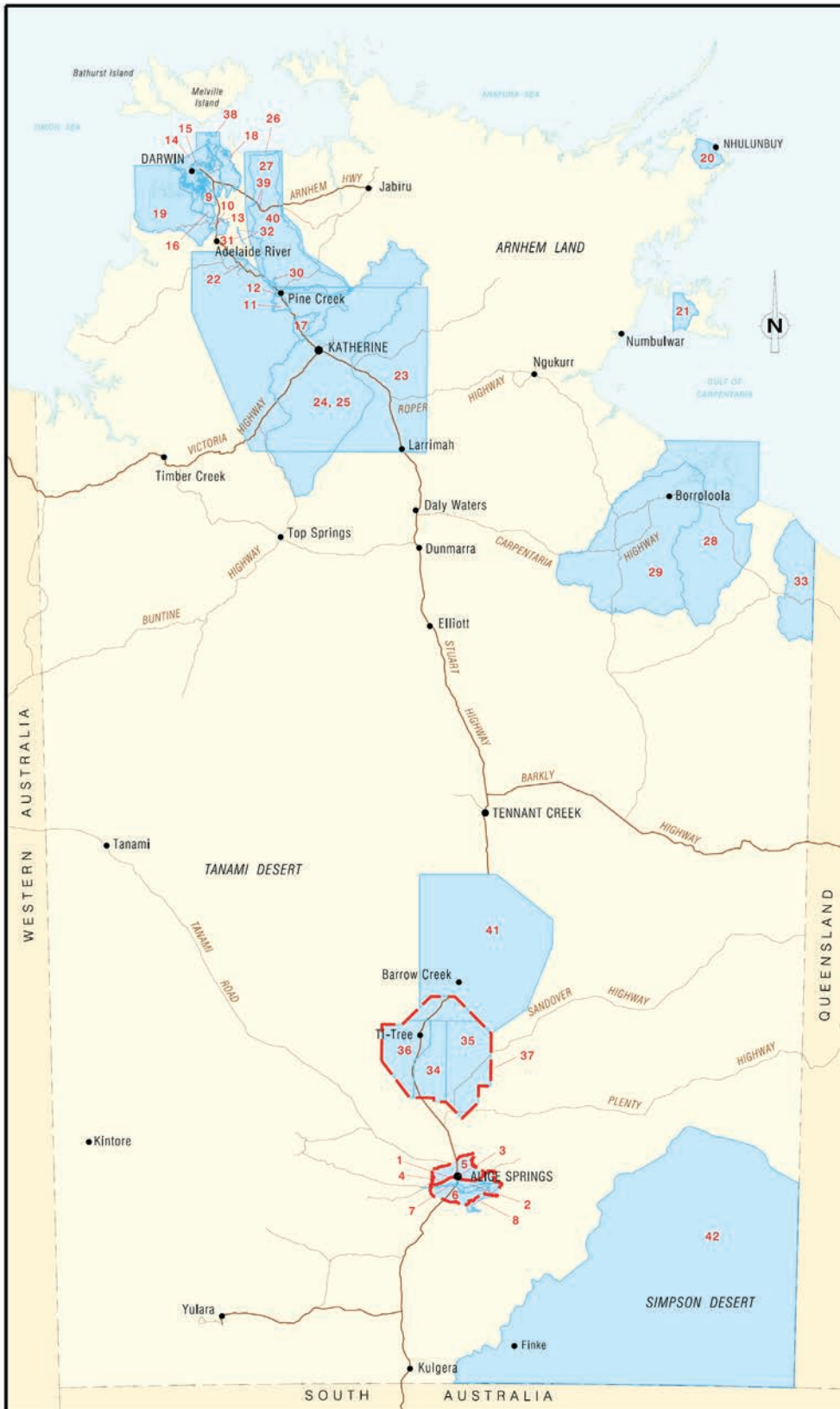
## WATER QUALITY INFORMATION

The Aquatic Health Unit is responsible for marine, estuarine and freshwater water quality monitoring and interpretation in Darwin Harbour and selected catchments in the Top End of the Northern Territory.

Aquatic Health Unit collects data for routine water quality monitoring and discrete projects. This data is used to create spatial layers in conjunction with broader water quality and aquatic biology monitoring programs. Water quality mapping products include spatially interpolated data layers for water quality parameters (physico-chemical, nutrients and chlorophyll-a), point data and broader catchment layers associated with specific monitoring projects.

Technical Detail	
Source Information	Water Resources Division - Aquatic Health Unit
Coverage	Territory wide
Currency	2016
Coordinates	GDA94 Latitude/Longitude and MGA94
Format	Hydstra Database
Contact	Manager
Contact Phone	(08) 899-93413

## WATER QUALITY AND BENEFICIAL USES DECLARED AREAS



1. Alice Springs Water Control District (WCD) - Alluvial Aquifer - Inner Farm Basin
2. Alice Springs WCD - Alluvial Aquifer - Outer Farm Basin
3. Alice Springs WCD - Alluvial Aquifer - Town Basin
4. Alice Springs WCD - Alluvial Aquifer - Wanggardji Basin
5. Alice Springs WCD - Surface Water - Upper Alice Springs Catchment Area
6. Alice Springs WCD - Surface Water - Lower Alice Springs Catchment Area
7. Alice Springs WCD - Amadeus Basin - Roe Creek
8. Alice Springs WCD - Amadeus Basin - Rocky Hill/Ooraminna
9. Blackmore Rivers Region Groundwater
10. Coomalie Creek Catchment
11. Copperfield Creek - Lower section
12. Copperfield Creek - Upper section
13. Crater Lake
14. Darwin Harbour Region - High water mark
15. Darwin Harbour Region - Surface water
16. Darwin River Dam and Catchment
17. Edith River
18. Elizabeth Howard Rivers Region Groundwater
19. Fog Bay Area
20. Gove Area
21. Groote Eylandt Area
22. Howley Creek
23. Katherine Area Groundwater
24. Katherine River
25. Katherine River Tributaries
26. Mary River - Groundwater
27. Mary River - Surface water
28. McArthur River Area
29. McArthur River Catchment Area
30. McKinlay River
31. Ryan Creek - Middle section
32. Ryan Creek - Upper and Lower sections
33. Settlement Creek
34. Ti-Tree WCD - Groundwater with salinity under 1000mg/L within the Central zone
35. Ti-Tree WCD - Groundwater with salinity under 1000mg/L within the Eastern zone
36. Ti-Tree WCD - Groundwater with salinity under 1000mg/L within the Western zone
37. Ti-Tree WCD - Surface water
38. Vernon Islands Area Waterways
39. Mount Bunday Creek - Upper and Lower sections
40. Mount Bunday Creek - Middle section
41. Western Davenport WCD
42. Great Artesian Basin WCD

km 0 100 200

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: WR-Beneficial-Uses-A3\_L94

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Figure 28: Water Quality and Beneficial Use Declared Areas in the Northern Territory.

## WATER QUALITY AND BENEFICIAL USE DECLARATIONS

Water quality management in the Northern Territory is guided by the National Water Quality Management Strategy. The strategy provides a framework for developing management plans with stakeholders. A key step in developing management plans is to identify how the community value and uses a water resource. Beneficial uses are the particular values or uses of the water resource which contribute to public or private benefit. These values are then used to set water quality targets. There are seven beneficial use categories used to describe values for both groundwater and surface water. Figure 28 shows the location of water quality and beneficial uses declared areas.

Technical Detail	
<b>Source Information</b>	Water Resources Division - Policy and Planning Unit
<b>Coverage</b>	Territory Wide
<b>Currency</b>	1992 - 2016
<b>Coordinates</b>	GDA94 Latitude/Longitude
<b>Format</b>	Various GIS formats; Oracle Database and PDF maps available
<b>Contact</b>	Manager
<b>Contact Phone</b>	(08) 899-93602

DECLARATION TITLE	MANAGEMENT AREAS	MAP REF	BENEFICIAL USES
Declaration of Beneficial Uses and Objectives Blackmore Rivers Region Groundwater		9	Agriculture, environment, rural stock and domestic
Declaration of Beneficial Uses Coomalie Creek Catchment		10	Aquatic ecosystem protection, recreational water quality and aesthetics and agricultural water use
Declaration of Beneficial Use Crater Lake		13	Recreational water quality and aesthetics
Declaration of Beneficial Uses and Objectives Darwin River Dam and Catchment		16	Public water supply
Revocation of Declaration and Declaration of Water Quality Objective Edith River		17	Aquatic ecosystem protection
Declaration of Beneficial Uses and Objectives Elizabeth Howard Rivers Region Groundwater		18	Agriculture, environment, public water supply, rural stock and domestic
Declaration of Beneficial Uses Fog Bay Area		19	Aquatic ecosystem protection
Declaration of Beneficial Uses Gove Area		20	Aquatic ecosystem protection
Declaration of Beneficial Uses and Objectives Great Artesian Basin Water Control District	Surface water	41	Environment, cultural, industry and rural and domestic
Declaration of Beneficial Uses and Objectives Great Artesian Basin Water Control District	Groundwater	41	Agricultural, aquaculture, public water supply, environment, cultural, industry and rural stock and domestic
Declaration of Beneficial Uses Groote Eylandt Area		21	Aquatic ecosystem protection
Revocation of Declaration and Declaration of Water Quality Objective Howley Creek		22	Aquatic ecosystem protection
Declaration of Water Quality Objective McKinlay River		30	Aquatic ecosystem protection
Declaration of Beneficial Uses for Settlement Creek		33	Environment, riparian and cultural

DECLARATION TITLE	MANAGEMENT AREAS	MAP REF	BENEFICIAL USES
Declaration of Beneficial Uses and Objectives Vernon Islands Area Waterways		38	Environment and cultural
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Alluvial Aquifer - Town Basin	3	Environment, cultural, rural stock, domestic, agricultural and industrial
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Alluvial Aquifer - Inner Farm Basin	1	Environment, cultural, rural stock, domestic, agricultural and industrial
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Alluvial Aquifer - Outer Farm Basin	2	Environment, cultural, rural stock, domestic, agricultural and industrial
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Alluvial Aquifer - Wannardi Basin	4	Environment, cultural, rural stock and domestic
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Amadeus Basin - Roe Creek	7	Public water supply, rural stock and domestic
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Amadeus Basin - Rocky Hill/Ooraminna	8	Environment, cultural, public water supply, agriculture, rural stock and domestic
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Surface Water - Upper Alice Springs Catchment Area	5	Environment, cultural, rural stock and domestic
Declaration of Beneficial Uses and Objectives Alice Springs Water Control District	Surface Water - Lower Alice Springs Catchment Area	6	Environment, cultural, rural stock and domestic
Revocation of Declaration and Declaration of Beneficial Uses and Objectives of Water Copperfield Creek	Upper section	12	Raw water for drinking water supply
Revocation of Declaration and Declaration of Beneficial Uses and Objectives of Water Copperfield Creek	Lower section	11	Aquatic ecosystem protection
Declaration of Beneficial Uses and Objectives Darwin Harbour Region	High Water Mark	14	Aquaculture, environment and cultural
Declaration of Beneficial Uses and Objectives Darwin Harbour Region	Surface water	15	Aquaculture, environment, cultural, rural stock and domestic
Declaration of Beneficial Uses and Objectives of Water Katherine River		24	Above Donkey Camp Pool - Aquatic ecosystem protection, recreational water quality and aesthetics. Donkey Camp Pool - Aquatic ecosystem protection and raw water for drinking water supply
Declaration of Beneficial Uses and Quality Standards of Water Katherine River Tributaries		25	McAddens Creek - Aquatic ecosystem protection. Maud Creek - Aquatic ecosystem protection, recreational water quality and aesthetics. King River - Aquatic ecosystem protection, recreational water quality and aesthetics and agricultural water use
Declaration of Beneficial Uses and Quality Standards of Katherine Area Groundwater		23	Raw water for drinking water, raw water for agriculture and raw water for industrial purposes
Revocation of Declaration and Declaration of Beneficial Uses and Objectives of Water Mount Bunday Creek	Middle section	40	Stock water supply
Revocation of Declaration and Declaration of Beneficial Uses and Objectives of Water Mount Bunday Creek	Upper and Lower sections	39	Aquatic ecosystem protection
Declaration of Beneficial Uses and Objectives of Water Mary River	Surface water	27	Environment, riparian and cultural

DECLARATION TITLE	MANAGEMENT AREAS	MAP REF	BENEFICIAL USES
Declaration of Beneficial Uses and Objectives of Water Mary River	Groundwater	26	Environment, riparian and agriculture
Declaration of Beneficial Uses and Objectives of Ti-Tree Water Control District	Groundwater with salinity under 1000mg/L within the Western zone	36	Agriculture, public water supply and riparian
Declaration of Beneficial Uses and Objectives of Ti-Tree Water Control District	Groundwater with salinity under 1000mg/L within the Central zone	34	Agriculture and riparian
Declaration of Beneficial Uses and Objectives of Ti-Tree Water Control District	Groundwater with salinity under 1000mg/L within the Eastern zone	35	Riparian
Declaration of Beneficial Uses and Objectives of Ti-Tree Water Control District	Surface water	37	Environment, riparian and cultural
Declaration of Beneficial Uses for McArthur River Catchment Area		29	Environment, riparian and cultural
Declaration of Beneficial Uses McArthur River Area		28	Aquatic ecosystem protection
Revocation of Declaration and Declaration of Beneficial Uses and Objectives of Water Ryan Creek	Middle section	31	Stock water supply
Revocation of Declaration and Declaration of Beneficial Uses and Objectives of Water Ryan Creek	Upper and Lower sections	32	Aquatic ecosystem protection
Declaration of Beneficial Uses and Objectives Great Artesian Basin Water Control District	Surface water	42	Environment, cultural, industry and rural stock and domestic
Declaration of Beneficial Uses and Objectives Great Artesian Basin Water Control District	Groundwater	42	Agriculture, aquaculture, public water supply, environment, cultural, industry and rural stock and domestic

# BUSHFIRES





## Spatial Gateway

### **BUSHFIRES NT**

Bushfires NT's primary role is to administer the provisions set out in the Bushfires Management Act and support Territory landowners in the management of fire.

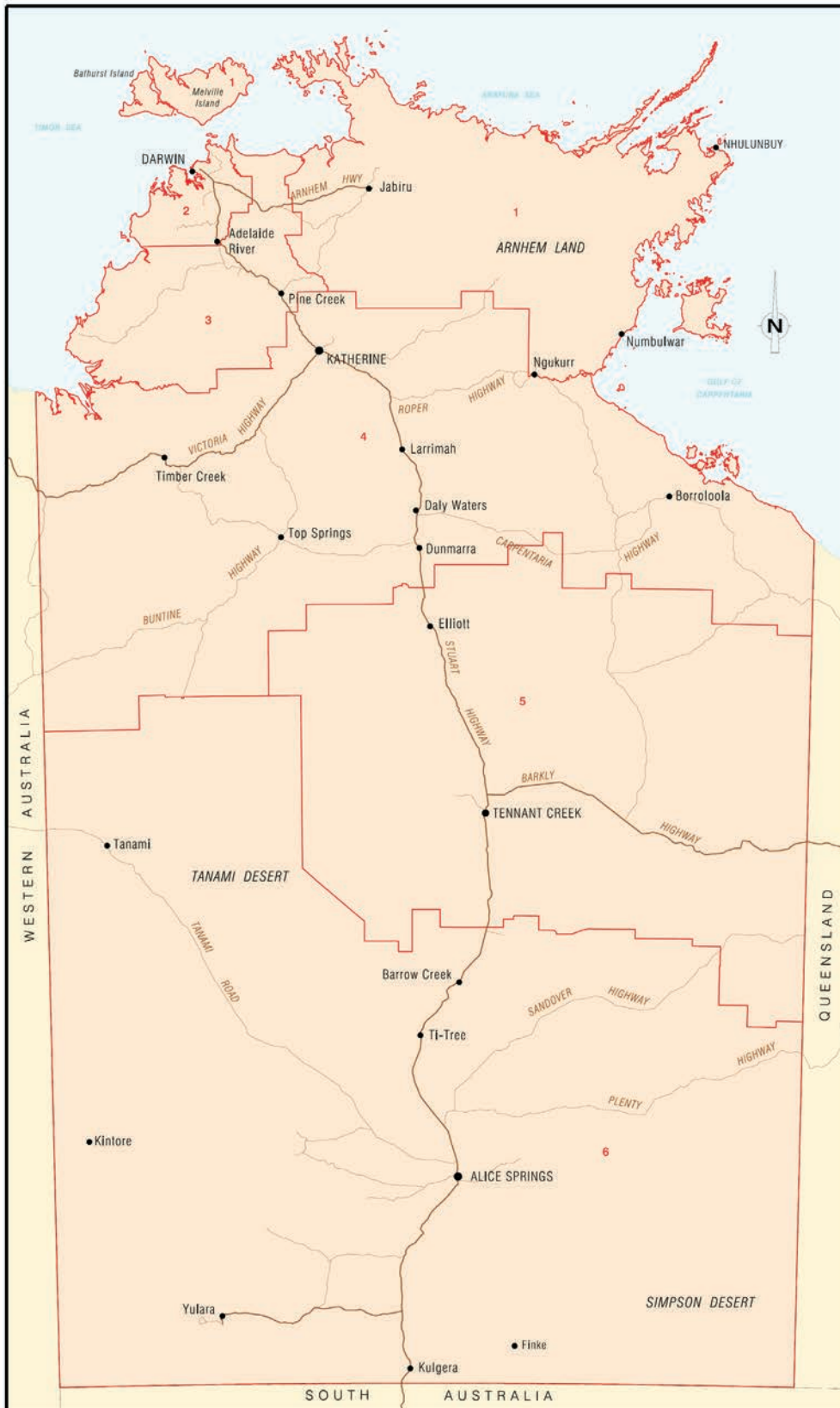




Department of Land Resource Management

## FIRE MANAGEMENT AREAS

- 1. Arnhem
- 2. Vernon
- 3. Arafura
- 4. Savanna
- 5. Barkly
- 6. Alice Springs



Scale: 0, 100, 200 km

Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: Bushfire-Control-Regions-A3\_L94

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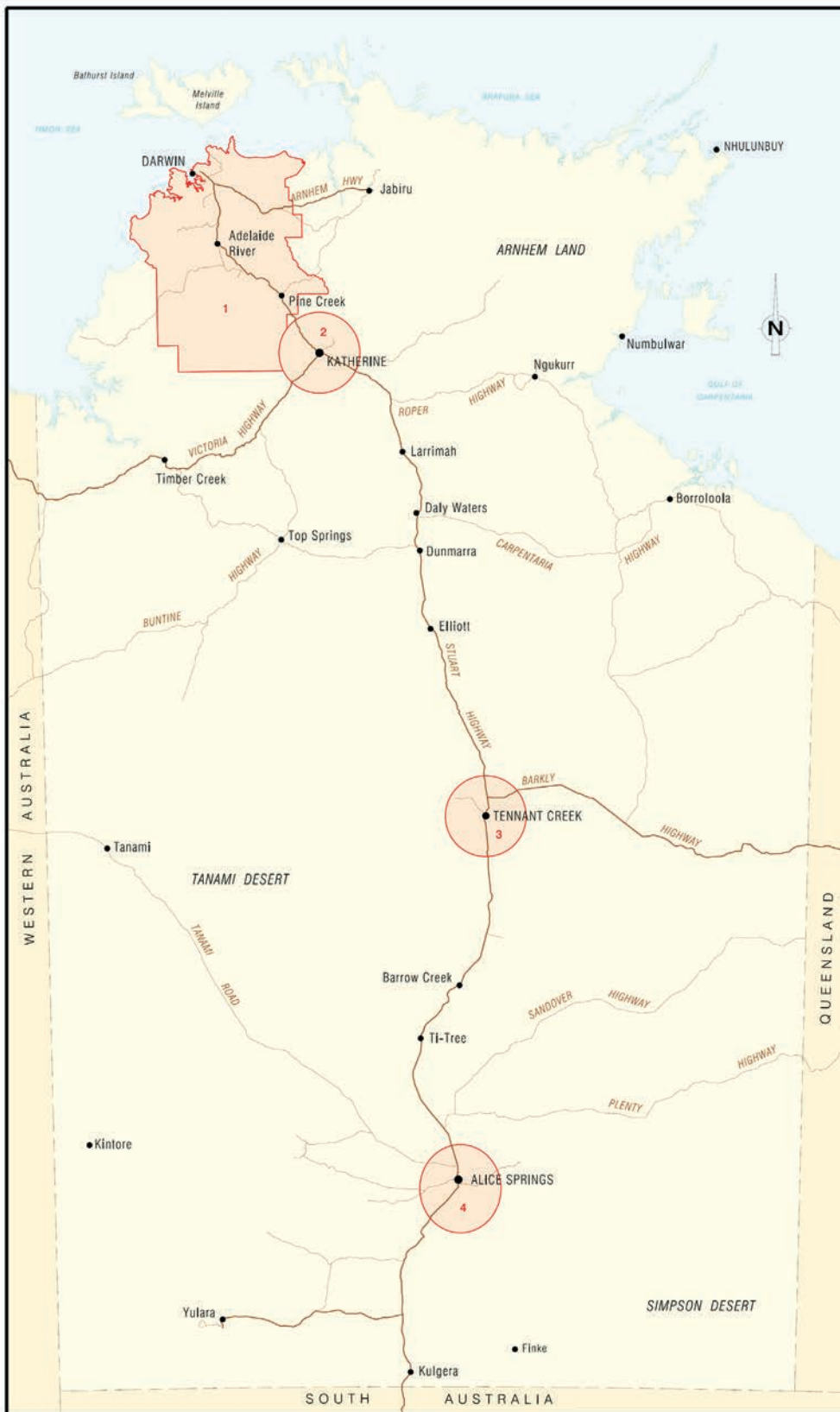
Figure 29: Fire Management Areas in the Northern Territory.



Department of Land Resource Management

## FIRE PROTECTION ZONES

- 1. Northern
- 2. Katherine
- 3. Tennant Creek
- 4. Alice Springs



Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: Bushfire-Protection-Zones-A3\_L94

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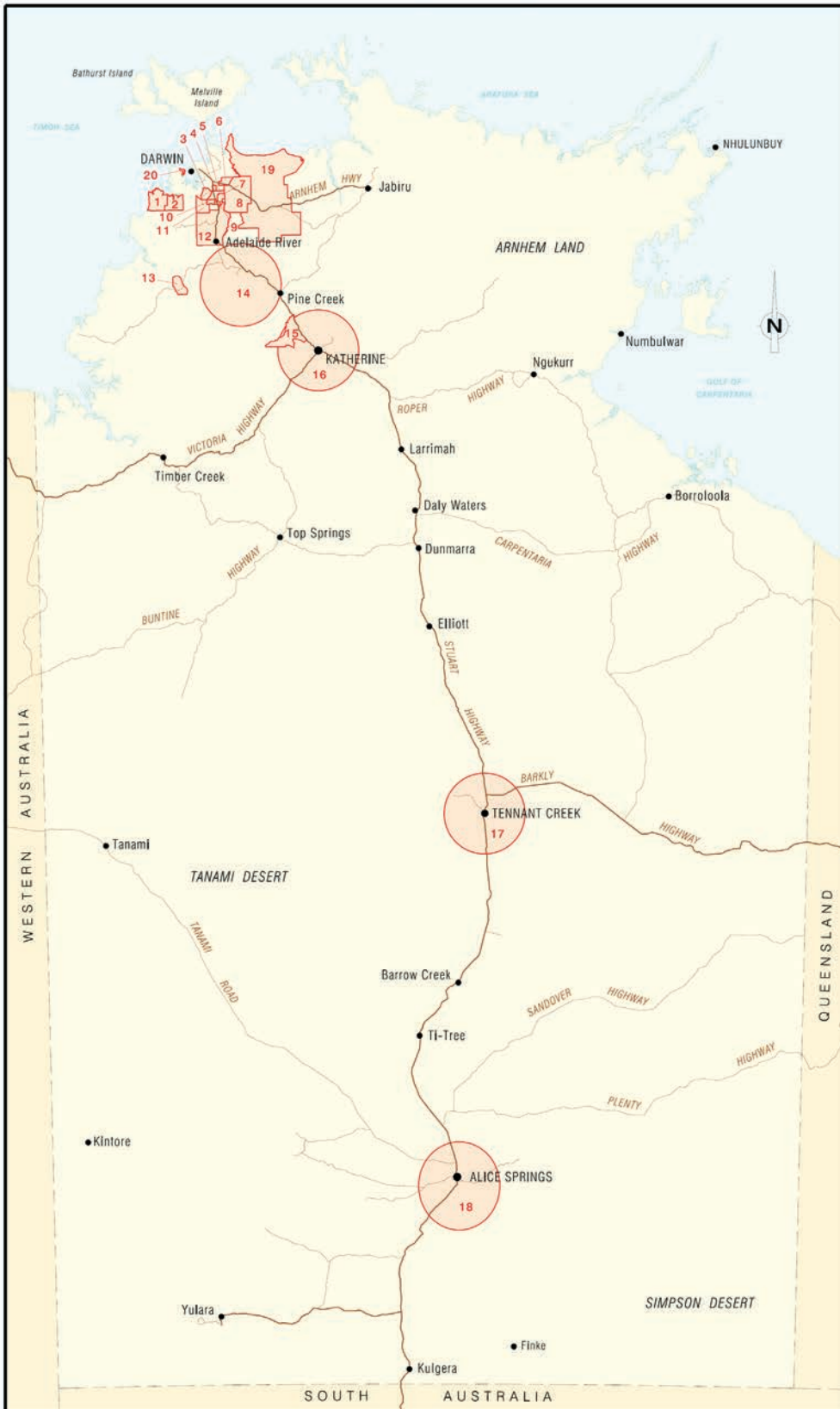
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Figure 30: Fire Protection Zones in the Northern Territory.



Department of Land Resource Management

## VOLUNTEER BUSHFIRE BRIGADE AREAS



1. Dundee
2. Milne
3. Berry Springs
4. Elizabeth Valley
5. Livingstone
6. Lambells Lagoon
7. Acacia Hills
8. Beatrice Hill
9. Manton
10. Labasheeda Park
11. Darwin River
12. Batchelor, Adelaide River, Tortilla Flats
13. Daly River
14. Douglas Daly
15. Edith Farms
16. Katherine
17. Tennant Creek
18. Alice Springs
19. Point Stuart
20. Cox Peninsula



Projection - Lambert Conformal Conic  
Standard Parallels 23°20'00"S & 12°40'00"S  
Horizontal Datum GDA 94

Design File: Bushfire-Volunteer-Areas-A3\_L94

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Figure 31: Volunteer Bushfire Brigade Areas in the Northern Territory.

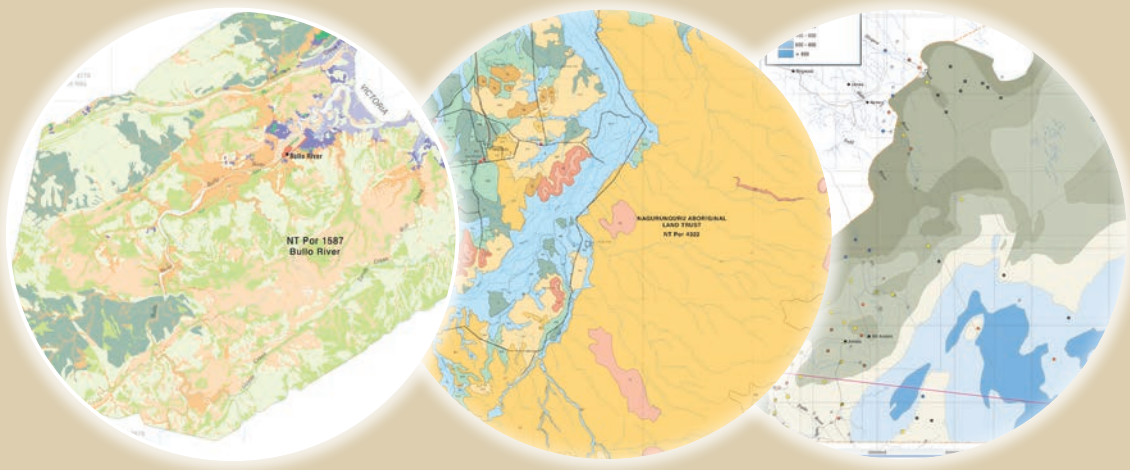
## BUSHFIRES NT ADMINISTRATIVE BOUNDARIES

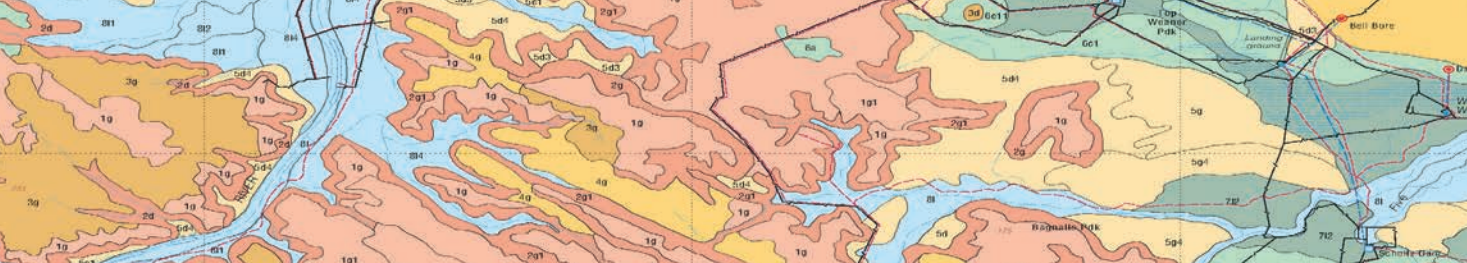
The Bushfires NT Administrative boundaries define the spatial extents of areas as determined by the Minister statutory instruments under the Bushfires Act 1980, for the purpose of managing wildfire in areas outside of the major towns.

The areas apply to all land tenures across the Northern Territory excluding Emergency Response Areas (ERA's) as defined under the Fire and Emergency Act. ERA's are small areas covering urban and urban-fringe development around major population centres. The administrative boundaries are categorised into three groups: Fire Management Areas (shown in Figure 29), Fire Protection Zones (shown in Figure 30) and Volunteer Bushfire Brigade Areas (shown in Figure 31).

Technical Detail	
Source Information	Bushfires NT
Coverage	Territory wide
Currency	1985 - 2016
Coordinates	GDA94 Latitude/Longitude and MGA94
Format	Various GIS formats available
Contact	Manager
Contact Phone	(08) 899-93602

# MAPS & REPORTS





## Spatial Gateway

### PUBLICATIONS

DLRM map products and technical reports related to Fauna, Flora, Land, Water and Bushfires spatial data are available free of charge and distributed under a [Creative Commons Attribution 4.0 International License](#) (CC BY 4.0).

### DIGITAL MAPS

All maps published by DLRM are stored on the Mapping Products Digital System (MPDS). These are digital mapping products available over the Northern Territory at various scales ranging from 1:5,000 to 1:2,000,000. They are available from NR MAPS under the MAP PRODUCTS layer option at <http://nrmaps.nt.gov.au>.

### TECHNICAL REPORTS

All technical reports published by DLRM are stored and managed by the Northern Territory Library. They are available for download as PDF document at <http://www.territorystories.nt.gov.au/simple-search> or at <http://nrmaps.nt.gov.au> from the LINKS tab and Google Search.

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Web: <https://nt.gov.au/environment/environment-data-maps/environment-data-requests>

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