

CONSTRUCTION SNAPSHOT



growing the Territory

A Territory Government initiative



CONTENTS

| | |
|--|-------|
| Message from the Chief Executive | 3 |
| Overview of Construction Snapshot | 3 |
| Residential land release snapshot map..... | 5 |
| | |
| Territory-wide stimulus snapshot map | 7 |
| Stimulus Plan data snapshot | 8 |
| Summary sheet | 10–12 |
| The Territory economy | 13 |
| | |
| Territory-wide snapshot map | 15 |
| Central Australia snapshot map..... | 16 |
| Barkly region snapshot map | 17 |
| Katherine region snapshot map..... | 18 |
| East Arnhem snapshot map | 19 |
| Top End rural snapshot map..... | 20 |
| Palmerston and Litchfield snapshot map..... | 21 |
| Darwin environs snapshot map | 22 |
| Darwin CBD snapshot map | 23 |
| Territory-wide data snapshot | 24 |
| Central Australia data snapshot..... | 24 |
| Barkly region data snapshot..... | 24 |
| Katherine region data snapshot..... | 24 |
| East Arnhem data snapshot | 25 |
| Top End rural data snapshot..... | 25 |
| Palmerston and Litchfield data snapshot..... | 25 |
| Darwin environs data snapshot | 26 |
| Darwin CBD data snapshot | 26 |
| | |
| Territory-wide data snapshot | 28 |
| Central Australia data snapshot..... | 28 |
| Barkly region data snapshot | 28 |
| Katherine region data snapshot..... | 28 |
| East Arnhem data snapshot | 29 |
| Top End rural data snapshot..... | 29 |
| Palmerston and Litchfield data snapshot..... | 29 |
| Darwin environs data snapshot | 30 |
| Darwin CBD data snapshot | 30 |
| | |
| Territory Growth Towns | 32 |
| Nemarluk School | 33 |
| Berrimah Fire and Emergency Services facility | 34 |
| Palmerston Hospital | 35 |
| Royal Darwin Hospital patient accommodation precinct..... | 36 |
| Royal Darwin Hospital Power Upgrades | 37 |
| Wangi Falls Visitor Centre | 38 |
| Ichthys LNG Project..... | 39 |
| Truck parking bays | 40 |
| Planning for the Territory's growth | 41 |
| Northern Territory industry snapshot | 42–43 |
| | |
| References | 44 |

Construction Snapshot is published by the Department of Construction and Infrastructure to provide an overview of construction industry activity in the Northern Territory.

DISCLAIMER

Construction Snapshot is intended only to provide an overview of construction industry activity in the Northern Territory up to 31 March 2012. Whilst care has been taken, this information is compiled from many sources and is subject to change. No reliance should be placed on any statement or information herein without first making your own assessment and enquiry about the completeness, accuracy, reliability and status of the information and its relevance to your circumstances. The Northern Territory of Australia gives no warranty or assurance of the accuracy of this information or links to external internet sites and accepts no direct, indirect or consequential liability arising from reliance on this information.

Copyright is reserved throughout. No part of this publication may be reproduced without the express written permission of the Department of Construction and Infrastructure of the Northern Territory of Australia.

ISBN: 978-0-9807976-9-5

MESSAGE FROM THE CHIEF EXECUTIVE

This edition of the *Construction Snapshot* includes information on the largest private investment projects ever undertaken in the Northern Territory, Inpex's Ichthys LNG Project.

With construction of the onshore facilities now underway, one of the biggest contracts in the Territory's history was recently awarded to Macmahon John Holland joint venture for the value of \$340 million.



The onshore facilities will include:

- two liquefied natural gas (LNG) 'trains'
- liquefied petroleum gas (LPG) plant
- condensate plant
- product load-out jetty
- a 300-megawatt power station, larger than Darwin's existing station on Channel Island
- an accommodation village is also being built in Howard Springs to house up to 3500 fly-in-fly-out workers that will be needed during the peak of the construction phase.

This is good news for Territorians, who will reap the benefits of increased job opportunities and the flow-on effects of a strong local economy for generations to come.

This quarter, 17 projects with an estimated value of \$169.2 million were completed in the Territory, ten of them completed by the Northern Territory Government.

One of these projects was the outstanding World War II Defence of Darwin Experience, which officially opened on 19 February 2012, the 70th anniversary of the bombing of Darwin. Completed on time and on budget, this facility has won the praise of all those who have had the opportunity to visit it.

Eight new projects with estimated value of \$172.1 million commenced since the December 2011 Construction Snapshot was produced.

The Northern Territory Government commenced two of these projects with an estimated value of \$21.4 million.

The first is Alice Springs Hospital, which will benefit from \$9.1 million in remediation and upgrade works to the operating theatres and sterilisation services department. The upgrade of these services will provide improved health facilities to the people of Central Australia.

The second is construction of the new \$12.3 million Berrimah Fire Station, which consists of a fire station, urban search and rescue equipment storage facility and facilities for Darwin's Emergency Service volunteer unit.

During the quarter the mining sector commenced two projects: the Cosmo Deeps Project which is developing an underground mine and on-site processing plant; and the Sill 80 Project, consisting of surface mining and the processing of ilmenite sands.

The private sector has three exciting major projects in the works: the expansion of Darwin International Airport, Cicada Lodge Nitmiluk and Nightcliff Gardens Estate.

A total of 19 new projects have been proposed across the sectors with an estimated value of \$763.3 million. It should be noted that this edition has been enhanced to depict the anticipated start dates in calendar quarters rather than in previous editions as financial quarters.

OVERVIEW OF CONSTRUCTION SNAPSHOT

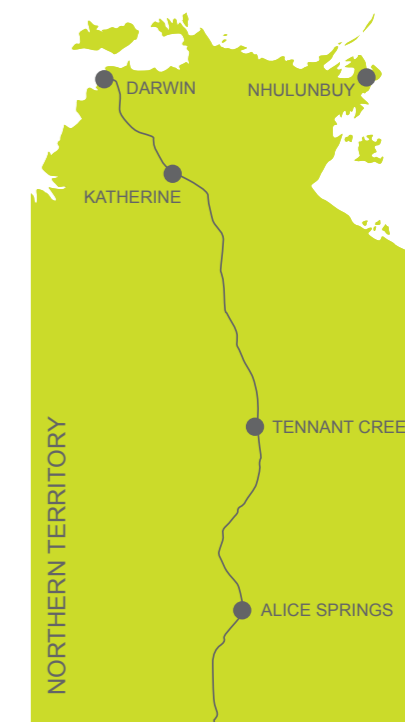
This publication lists major government and private sector projects either in progress or expected to proceed and known to the Department of Construction and Infrastructure as at 31 March 2012.

Major works are defined as projects with an expected expenditure of greater than \$1 million. It should be noted that values listed are estimates only and may include components other than actual construction costs.

Major works are indicated on the maps. Some projects are shown in several locations to detail the project activity across the Territory. Additional information about selected major projects is available from the project web links that are highlighted in blue text. These links were correct at the time of publishing; however, it should be noted that they may change over time.

Lists are compiled from many sources and are intended as an overview only. They are by no means exhaustive or guaranteed and are limited to those projects where the information provided has been made publicly available by the project proponent at the time of publication.

The infrastructure summary section of *Construction Snapshot* indicates projects that have been completed, commenced, proposed or identified as on hold since the previous publication.



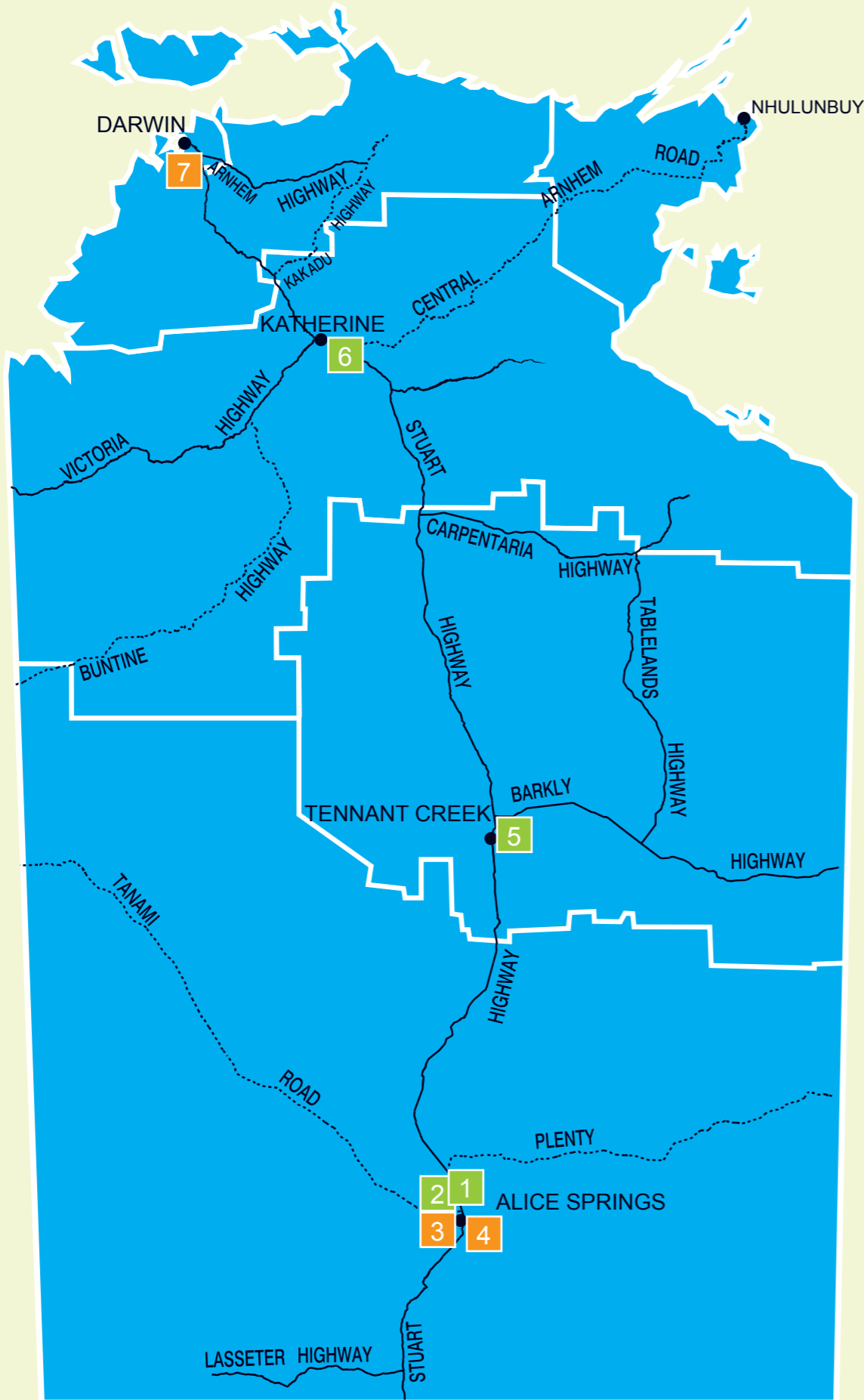


RESIDENTIAL LAND RELEASE SNAPSHOT

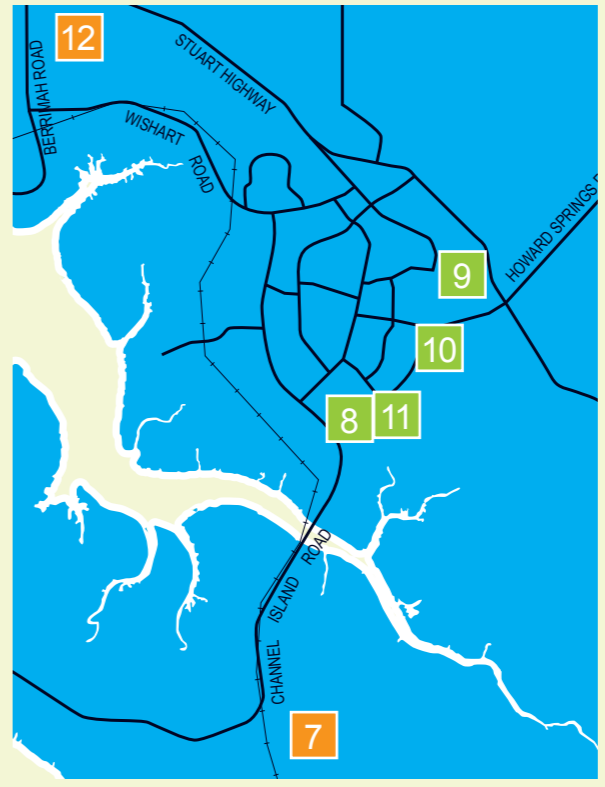
The land release program in the Northern Territory is expansive with over 7000 new homes to be constructed in coming years. For further information visit www.housingnt.nt.gov.au.

RESIDENTIAL LAND RELEASE SNAPSHOT

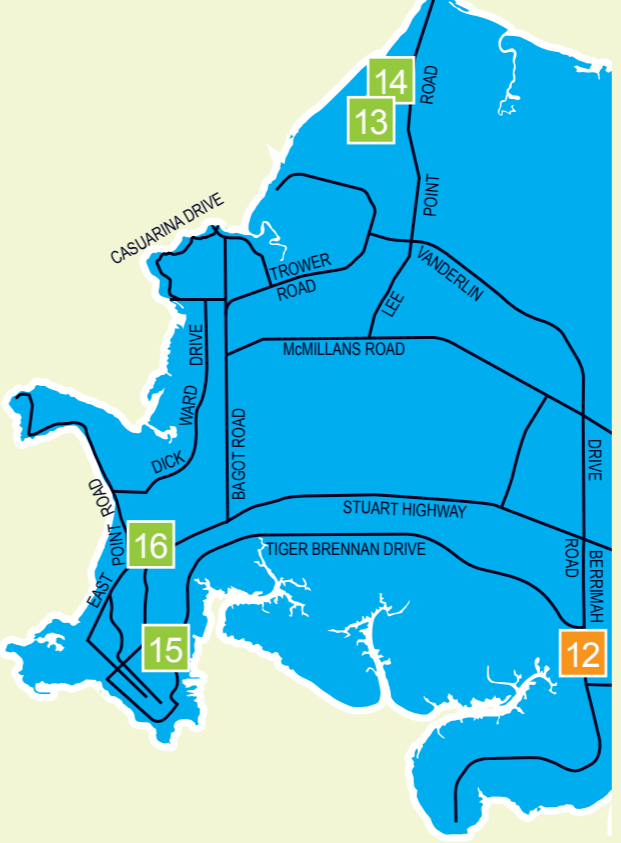
LAND RELEASE



PALMERSTON AND LITCHFIELD



DARWIN ENVIRONS



LEGEND

- In progress
- Proposed

KEY

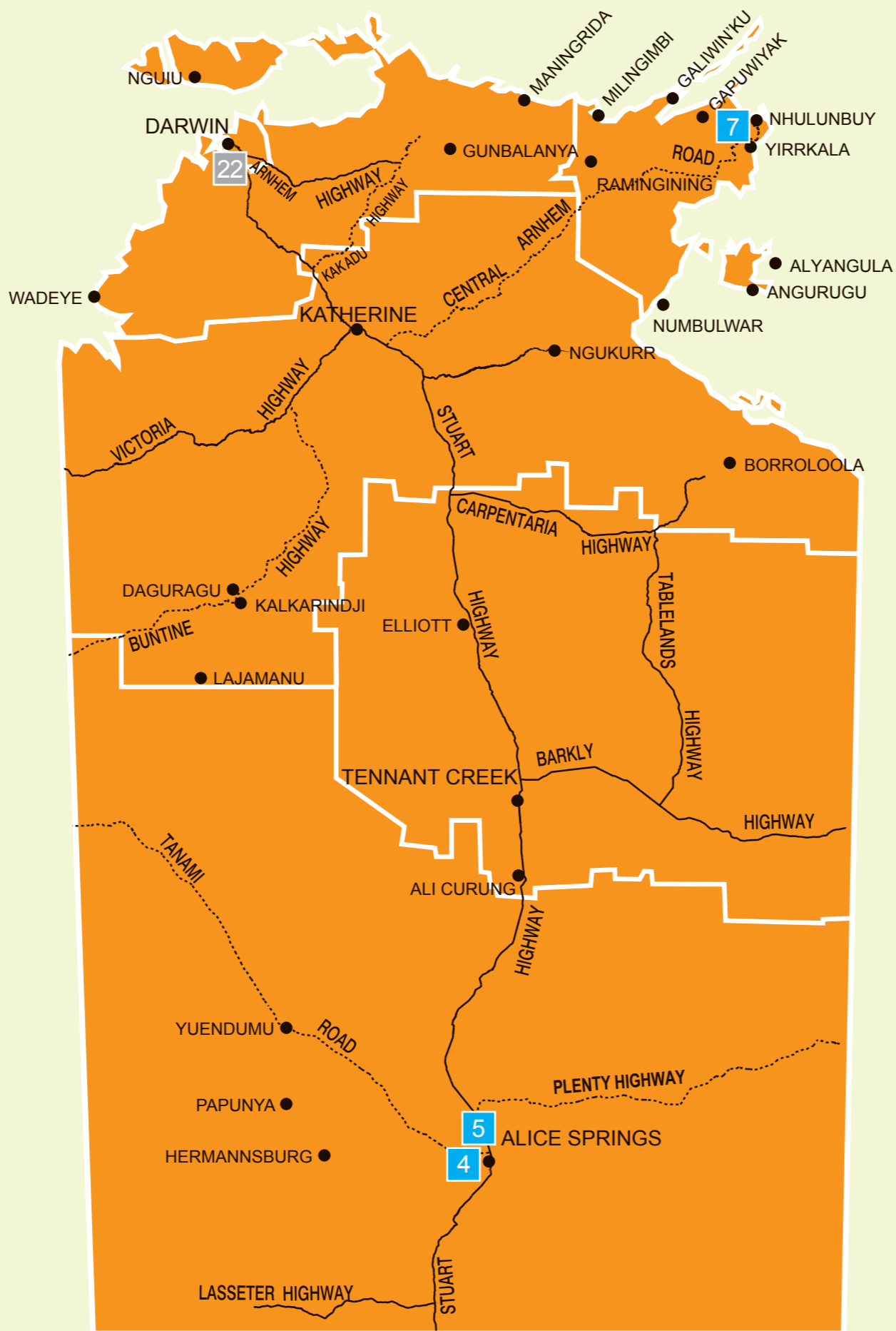
- CENTRAL AUSTRALIA**
 - 1 Mt Johns Valley, stage 1
 - 2 Coolabah Tree Estate, stage 1
 - 3 AZRI (Kilgariff) Subdivision
 - 4 Alice Springs Airport
- BARKLY REGION**
 - 5 Tennant Creek - Peko Road Subdivision
- KATHERINE REGION**
 - 6 Katherine East Subdivision
- PALMERSTON AND LITCHFIELD**
 - 7 City of Weddell
 - 8 Bellamack
 - 9 Johnston
 - 10 Zuccoli
 - 11 Mitchell
- DARWIN ENVIRONS**
 - 12 Berrimah
 - 13 Lyons
 - 14 Muirhead
 - 15 Frances Park
 - 16 Heritage Park Estate

www.housingnt.nt.gov.au



STIMULUS PLAN PROJECTS

The majority of these projects are less than \$1 million and will be indicated on a separate map of *Construction Snapshot*.



LEGEND

- Education
- Housing

KEY

- 4 Gillen Primary School
- 5 Larapinta Primary School
- 7 Nhulunbuy High School
- 22 30 Parap Road, Parap

STIMULUS WORKS

STIMULUS PACKAGE COMPLETED

DARWIN ENVIRONS

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|-------------|------------------------|
| TOTAL | | 3.00 | |
| Leanyer Primary School – assembly hall upgrade | 108 | 3.00 | Mar 12 |

EAST ARNHEM REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|-------------|------------------------|
| TOTAL | | 2.00 | |
| Yirrkala Homeland Centre – multipurpose education centre | 118 | 2.00 | Mar 12 |

TOP END RURAL

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|-------------|------------------------|
| TOTAL | | 2.50 | |
| Gunbalanya Community Education Centre – multipurpose pavilion | 21 | 2.50 | Mar 12 |

STIMULUS PACKAGE IN PROGRESS

CENTRAL AUSTRALIA

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|-------------|------------------------|
| TOTAL | | 4.00 | |
| Gillen Primary School – multipurpose learning area | 4 | 2.00 | Apr 12 |
| Larapinta Primary School – classroom block | 5 | 2.00 | Apr 12 |

EAST ARNHEM REGION

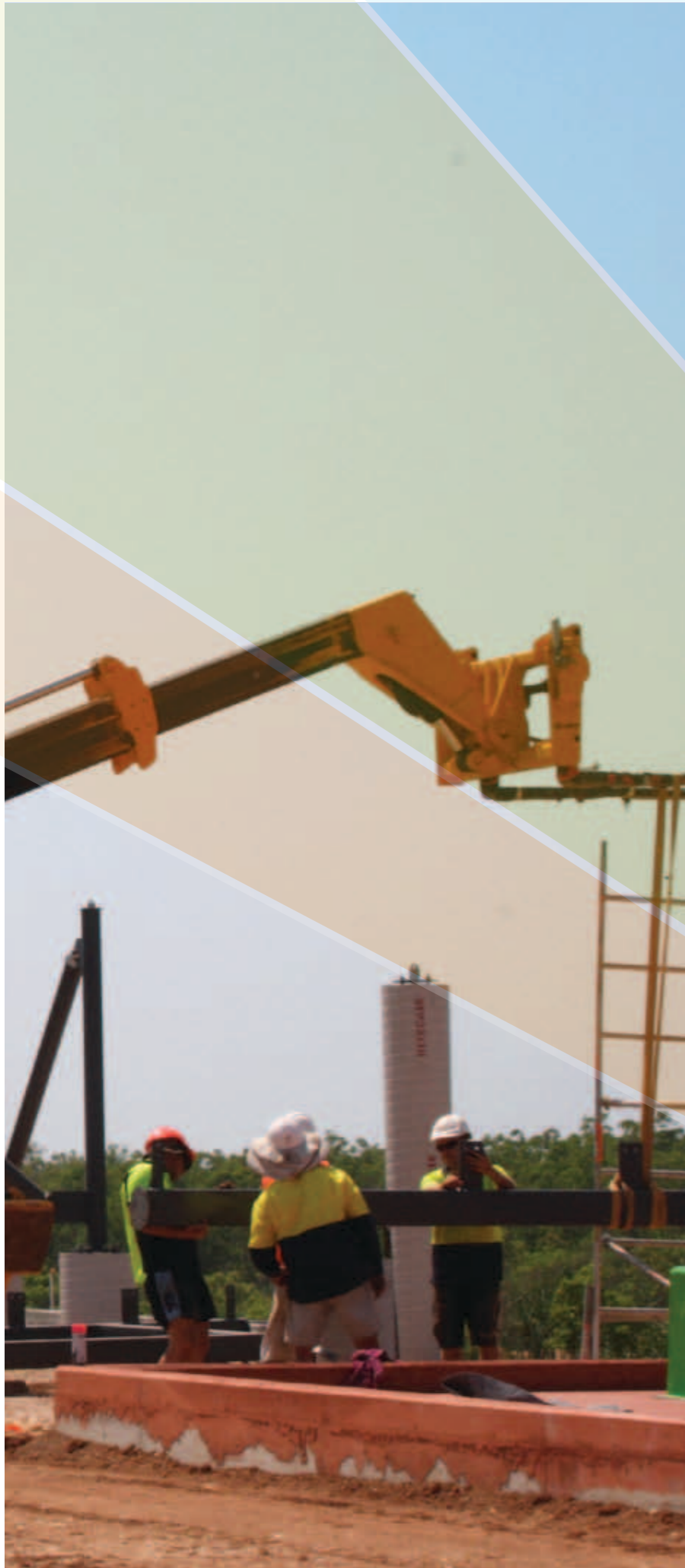
| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|-------------|------------------------|
| TOTAL | | 3.00 | |
| Nhulunbuy High School – multipurpose hall upgrade | 7 | 3.00 | Apr 12 |

DARWIN CBD

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|--------------|------------------------|
| TOTAL | | 13.50 | |
| 30 Parap Road, Parap – construction of 45 units of accommodation | 22 | 13.50 | Jun 12 |

SUMMARY SHEET

The infrastructure summary indicates projects that have been completed, commenced, proposed or identified as on hold since the previous publication.



MAJOR WORKS

COMPLETED PROJECTS

CENTRAL AUSTRALIA

NORTHERN TERRITORY GOVERNMENT PROJECTS

| | Est \$M | Completion |
|--|------------|------------|
| TOTAL | 8.0 | |
| Upgrades at Karinga Creek culvert, north approach to Palmer River Bridge and Gilbert Swamp on Stuart Highway | 8.0 | Mar 12 |

TOP END RURAL

NORTHERN TERRITORY GOVERNMENT PROJECTS

| | Est \$M | Completion |
|--|------------|------------|
| TOTAL | 5.0 | |
| Litchfield Road, stage 3 | 3.0 | Feb 12 |
| Douglas Daly area roads – selective upgrade of targeted sections | 2.0 | Mar 12 |

MINING AND PETROLEUM PROJECTS

| | Est \$M | Completion |
|---|-------------|------------|
| TOTAL | 82.0 | |
| North Point Mine – new open-cut pit and associated infrastructure | 80.0 | Dec 11 |
| Princess Louise Mine – new open-cut pit and associated infrastructure | TBA | Dec 11 |
| Tiwi Island zircon project – mineral sands mining operation with relocated and refurbished processing plant | 2.0 | Dec 11 |

PRIVATE SECTOR PROJECTS

| | Est \$M | Completion |
|---|------------|------------|
| TOTAL | 2.0 | |
| Howard Springs Veterinary Clinic, stage 1 | 2.0 | Feb 12 |

PALMERSTON AND LITCHFIELD

NORTHERN TERRITORY GOVERNMENT PROJECTS

| | Est \$M | Completion |
|--|-------------|------------|
| TOTAL | 34.1 | |
| Palmerston tennis and netball facility | 5.1 | Jan 12 |
| Tiger Brennan Drive, stage 3 – Berrimah Road rail overpass | 26.0 | Feb 12 |
| Palmerston to Howard Springs bicycle path | 3.0 | Feb 12 |

DARWIN ENVIRONS

NORTHERN TERRITORY GOVERNMENT PROJECTS

| | Est \$M | Completion |
|--|-------------|------------|
| TOTAL | 25.8 | |
| Museum and Art Galleries of the Northern Territory – wet store fire suppression system | 1.0 | Jan 12 |
| Nemarluk School upgrade | 11.9 | Feb 12 |
| Arnhemica House office fit-out | 2.9 | Mar 12 |
| WWII Defence of Darwin Experience | 10.0 | Mar 12 |

POWER AND WATER CORPORATION PROJECTS

| | Est \$M | Completion |
|---|------------|------------|
| TOTAL | 2.0 | |
| Leanyer/Sanderson – short-term improvements to sewerage ponds | 2.0 | Mar 12 |

PRIVATE SECTOR PROJECTS

| | Est \$M | Completion |
|---|-------------|------------|
| TOTAL | 10.3 | |
| Homemaker Village, stage 6 – office, warehouse and showroom | 4.3 | Jan 12 |
| Charles Darwin University, Darwin – student accommodation | 6.0 | Mar 12 |

DARWIN CBD

PRIVATE SECTOR PROJECTS

| | Est \$M | Completion |
|---|------------|------------|
| TOTAL | 2.5 | |
| St John's College – new boarding facility | 2.5 | Apr 12 |

MAJOR WORKS

NEW MAJOR WORKS COMMENCED

CENTRAL AUSTRALIA

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|-------------|------------------------|
| TOTAL | | 11.8 | |
| Alice Springs Hospital – remediation and upgrade of operating theatres and central sterilisation services department | 19 | 9.1 | Oct 12 |
| Alice Springs – truck parking bays – north and south Stuart Highway | 56 | 2.7 | Nov 12 |

KATHERINE REGION

| MINING AND PETROLEUM PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|-------------|------------------------|
| TOTAL | | 10.0 | |
| Sill 80 project – surface mining and processing of ilmenite sands | 92 | 10.0 | Jun 13 |

PRIVATE SECTOR PROJECTS

| | | | |
|--------------------------------|----|------------|-----|
| TOTAL | | 8.0 | |
| Cicada Lodge cabins – Nitmiluk | 74 | 8.0 | TBA |

TOP END RURAL

| MINING AND PETROLEUM PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|------------|------------------------|
| TOTAL | | 0.0 | |
| Cosmo Deeps project – develop underground mine and on-site processing plant | 35 | TBA | 2013 |

DARWIN ENVIRONS

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|-------------|------------------------|
| TOTAL | | 12.3 | |
| Berrimah Fire Station – new fire station, urban search and rescue equipment storage facility and facilities for Darwin's Emergency Service volunteer unit | 72 | 12.3 | Sep 12 |

POWER AND WATER CORPORATION PROJECTS

| | | | |
|---|----|-------------|--------|
| TOTAL | | 20.0 | |
| Ludmilla sewage treatment plant upgrade | 20 | 20.0 | Dec 12 |

PRIVATE SECTOR PROJECTS

| | | | |
|---|-----|--------------|--------|
| TOTAL | | 125.0 | |
| Nightcliff Gardens Estate, stages 1 to 4 | 100 | 90.0 | Dec 12 |
| Darwin International Airport – terminal expansion | 113 | 35.0 | 2014 |

NEW MAJOR WORKS PROPOSED

CENTRAL AUSTRALIA

| PRIVATE SECTOR PROJECTS | Anticipated start |
|---|-------------------|
| Finke Child Care Centre | Q2 2012 |
| Yuelamu Child Care Centre | Q2 2012 |
| Ayers Rock Resort refurbishment of hotels and new under the stars five star dining experience | Q2 2012 |
| Ayers Rock Resort Conference Centres extension and public area works | Q2 2012 |
| Ayers Rock Resort Conference Centre – Indigenous training academy | Q3 2012 |
| Alice Springs Airport – NT Police Hangar in ASA | TBA |

MAJOR WORKS

NEW MAJOR WORKS PROPOSED

KATHERINE REGION

POWER AND WATER CORPORATION PROJECTS Anticipated start

Katherine waste stabilisation plant upgrade Q2 2012

MINING AND PETROLEUM PROJECTS

Mt Todd Mine – reopen Mt Todd mine – open cut pit with new on-site processing plant Q3 2012

PRIVATE SECTOR PROJECTS

Jilkminggan Child Care Centre Q2 2012

Lajamanu Child Care Centre Q2 2012

EAST ARNHEM REGION

NORTHERN TERRITORY GOVERNMENT PROJECTS Anticipated start

Anindilyakwa Trade Training Centre Q4 2012

TOP END RURAL

PRIVATE SECTOR PROJECTS Anticipated start

Ichthys Gas Project – onshore workers' accommodation village Q2 2012

Minjilang Child Care Centre Q2 2012

PALMERSTON AND LITCHFIELD

NORTHERN TERRITORY GOVERNMENT PROJECTS Anticipated start

PUBLIC HOUSING

Bellamack construct 10 new dwellings Q3 2012

Rosebery construct 7 new dwellings Q3 2012

PRIVATE SECTOR PROJECTS

Middle Arm – Ichthys LNG project

Onshore civil site preparation and module Q2 2012

Deepening the shipping channel Q3 2012

Construction of LNG tanks Q2 2013

Construction of offloading jetty Q3 2013

Gas export pipeline – rock transportation to East Arm Port Q1 2014

LNG train on-site installation and hook up 2014

DARWIN ENVIRONS

NORTHERN TERRITORY GOVERNMENT PROJECTS Anticipated start

Cullen Bay sheet pile wall – remedial works Q2 2012

Royal Darwin Hospital Emergency Department and theatre upgrades Q2 2012

POWER AND WATER CORPORATION PROJECTS

Parap trunk sewer Q2 2012

DARWIN CBD

PRIVATE SECTOR PROJECTS Anticipated start

Charles Darwin Centre (Paspaley Building) Q4 2012

ON HOLD

PALMERSTON AND LITCHFIELD

NORTHERN TERRITORY GOVERNMENT PROJECTS Anticipated start

PUBLIC HOUSING

Johnston Seniors' Village Q3 2013

THE TERRITORY ECONOMY

ECONOMIC GROWTH

Northern Territory Gross State Product (GSP) is estimated to grow by 2.3% in 2011-12, driven largely by a higher international trade surplus, strengthening household consumption and private sector investment.

| GSP % change | 2007–08 | 2008–09 | 2009–10 | 2010–11 | 2011–12 (e) |
|-----------------|---------|---------|---------|---------|-------------|
| | 7.0% | 4.5% | 1.3% | 1.6% | 2.3% |

- The Northern Territory's State Final Demand (SFD), a measure of the demand for goods and services in the economy, increased by 5.9% (seasonally adjusted) in the December quarter 2011, compared to an increase of 0.2% nationally. In the year to December 2011, Territory SFD increased by 1.0%.
- In the December quarter 2011, consumption expenditure (government and households), the largest component of NT SFD, increased by 1.3% to \$3.59 billion (seasonally adjusted), driven by a 3.0% increase in public consumption. In the year to December 2011, consumption expenditure was \$14.24 billion, an increase of 2.9% over the same period last year.
- Total investment expenditure increased by 18.9% to \$1.5 billion in the December quarter 2011. In the year to December 2011, investment expenditure was \$5.14 billion, a decrease of 4.0% over the same period last year.

CONSTRUCTION

- Total construction work done in the December quarter 2011 increased by 55.2% to \$814 million (original data) compared to the previous quarter, due to increased engineering work in the mining sector coupled with a rise in residential and non-residential building work done. In the year to December 2011, total construction work done in the Territory increased by 15.5% to \$2.2 billion.
- Residential building work done increased by 6.6% to \$125 million (original) in the December quarter 2011 compared to the previous quarter. In the year to December 2011, residential building work done decreased by 5.8% to \$452 million, largely driven by a 14.7% decrease in new houses, which partly reflects seven increases in interest rates from October 2009 to November 2010.
- Non-residential building work done increased by 12.1% to \$136 million (original) in the December quarter 2011 compared to the previous quarter, driven by both public and private sector construction. In the year to December 2011, non-residential building work done decreased by 10.9% to \$435 million, reflecting declines in both public and private non-residential work done. Despite the year on year decline, levels of government expenditure remain relatively high by historical standards.
- Engineering work done increased by 93% to \$553.5 million (original data) in the December quarter 2011 compared to the previous quarter. In the year to December 2011, engineering work done increased by 40.2% to \$1.3 billion, reflecting the successful completion of several major projects such as Eni's Kitan oilfield.

EMPLOYMENT

- In February 2012, 124 612 people were employed in the Territory representing a 1.4% increase in annual terms.
- The Territory's trend unemployment rate in February 2012 was 4.3%, the third lowest of all Australian jurisdictions behind WA (4.1%) and the ACT (3.6%) but below the national rate of 5.2%.
- The Northern Territory had the highest labour participation rate of all Australian jurisdictions at 75.0%. Nationally, the labour participation rate was 65.2%.

POPULATION

- In the September quarter 2011, the Northern Territory's population was estimated to be 231 192. The annual rate of increase moderated to 0.5%, below the national growth rate of 1.4%. The increase in the Territory population largely reflects the contribution of natural increase and net overseas migration offset by negative net interstate migration.
- Among Australian jurisdictions, the Northern Territory had the lowest annual population growth rate while Western Australia recorded the highest annual growth rate (2.6%).

INFLATION

- In the December quarter 2011, the consumer price index decreased by 0.4% in Darwin. Nationally, the CPI remained flat over the same period.

AVERAGE WEEKLY EARNINGS

- Average weekly earnings per full-time adult employee in the Territory for the December quarter 2011 increased by 2.7% to \$1438 (original), above the national average of \$1391 (original).
- The Territory's wage price index rose by 1.5%, compared to 0.9% nationally in the December quarter 2011 (original).

INTERNATIONAL TRADE

- Northern Territory merchandise exports in January 2012 decreased 13.8% from the previous month to \$423 million. Merchandise exports in the year to January 2012 were \$5.2 billion, a decrease of 5.3% in year on year terms.
- Northern Territory merchandise imports in January 2012 decreased 5.3% from the previous month to \$356 million. Merchandise imports in the year to January 2012 were \$4.1 billion, an increase of 14.2% in year on year terms.
- As a result, the Territory's merchandise trade surplus in January 2012 decreased 41.7% from the previous month to \$67 million. The trade surplus in the year to January 2012 was \$1.2 billion, a decrease of 40.8% in year on year terms.

RETAIL TRADE

- Territory retail turnover in January 2012 increased by 3.5% compared to the previous month to \$236 million. National retail turnover increased by 0.3% to \$21.0 billion in the same period. Growth in the Territory's retail turnover was primarily driven by increases in cafés, restaurants and takeaway food. Territory retail turnover increased by 3.0% in year on year terms.

NEW CAR SALES

- In February 2012, 830 new motor vehicles were sold in the Territory, a 13.3% decrease from the previous month. This reflects a 29.0% decrease in passenger vehicle sales, a 3.8% decrease in SUV sales and a 2.4% increase in other vehicle sales. Nationally, new motor vehicle sales remained flat over the same period.

For further information:

Department of Business and Employment
+61 8 8999 5139

Information current as at 12 March 2012

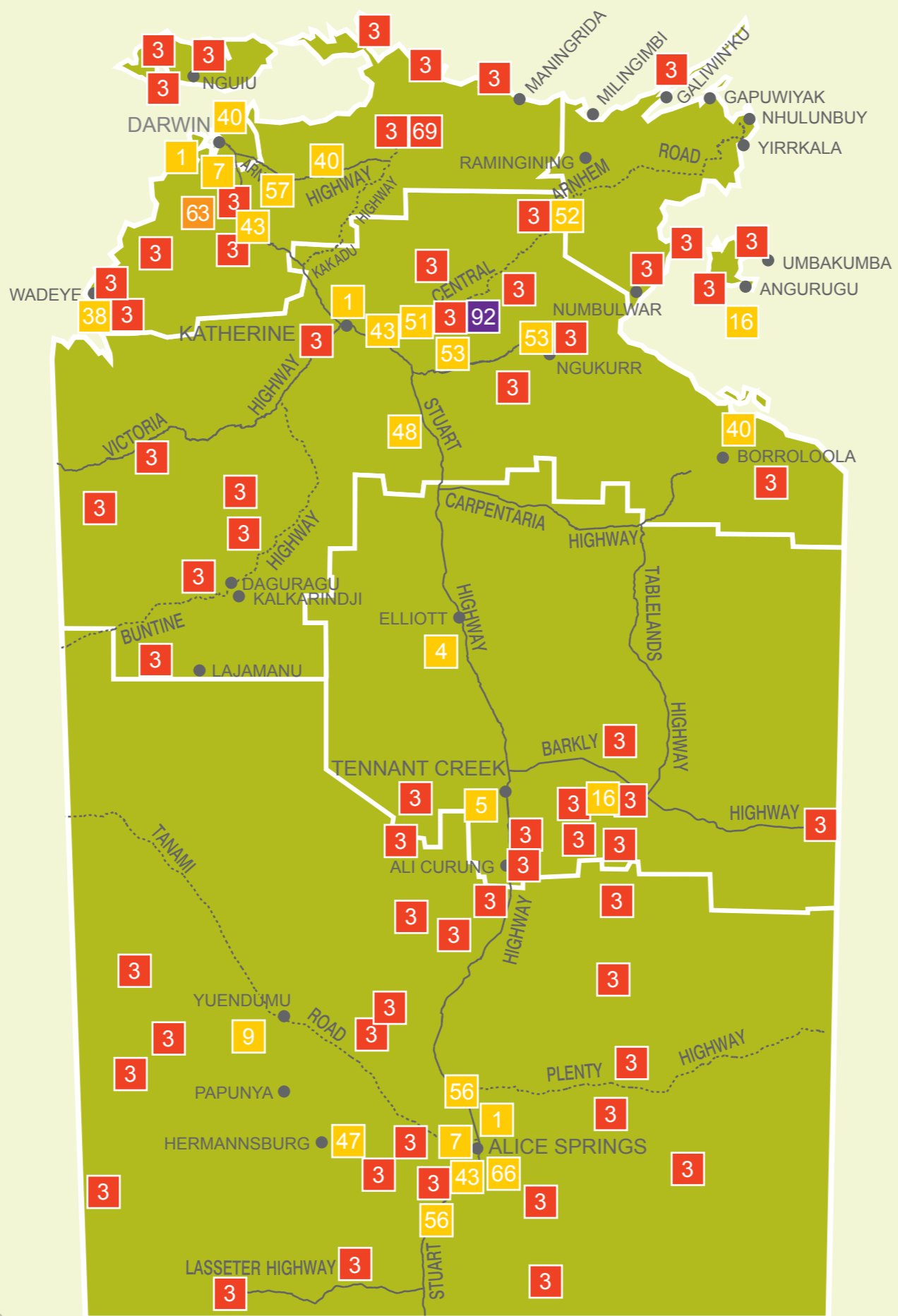
e: estimate f: forecast



MAJOR WORKS IN PROGRESS

Major works are defined as projects with an expected expenditure of greater than \$1 million. It should be noted that values listed are estimates only and may include components other than actual construction costs.

IN PROGRESS MAJOR WORKS

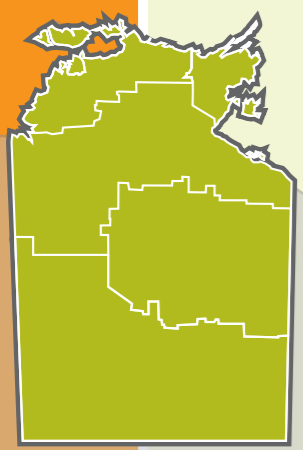


LEGEND

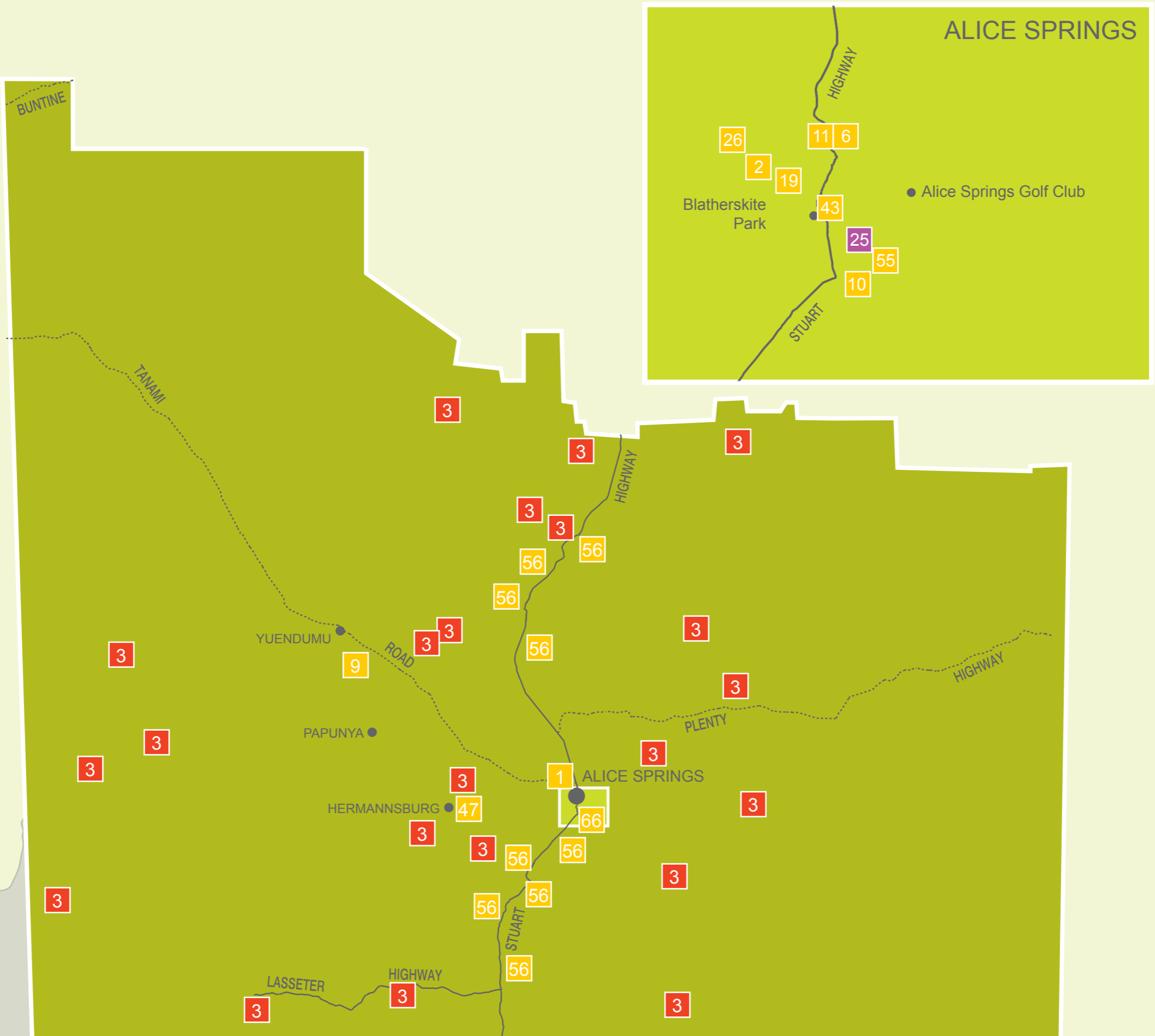
- Northern Territory Government projects
- Power and Water Corporation projects
- Cooperative projects
- Mining projects

KEY

- 1 Additional beds to support alcohol and other drugs services
- 3 Strategic Indigenous Housing and Infrastructure Program (SIHIP)
- 4 Elliott School
- 5 Tennant Creek Police Station
- 7 Public housing redevelopments
- 9 Tanami Road, stage 2
- 16 Police overnight facility
- 38 Wadeye - construct health centre
- 40 Recreational fishing infrastructure
- 43 Level crossing upgrades
- 47 Ntaria (Hermannsburg) School
- 48 Cullen River Bridge
- 51 Central Arnhem Road - Mainoru, Goyder, Little Goyder, Donydji
- 52 Central Arnhem Road, stage 1
- 53 Jilkminggan and Ngukurr regions - health centres
- 56 Alice Springs - truck parking bays
- 57 Arnhem Highway shoulder widening
- 63 Weddell Power Station
- 66 Alice Springs Correctional Centre
- 92 Sill 80 project



IN PROGRESS MAJOR WORKS



LEGEND

- Northern Territory Government projects
- Cooperative projects
- Private sector projects

KEY

- 1 Additional beds to support alcohol and other drugs services
- 2 Araluen Art Centre - replacement of air-conditioner plant
- 3 Strategic Indigenous Housing and Infrastructure Program (SIHIP)
- 6 Ross Park Primary School, stage 3
- 9 Tanami Road, stage 2
- 10 Kilgariff development - headworks
- 11 Alice Springs Middle School
- 19 Alice Springs Hospital
- 25 Lasseters Hotel and Casino
- 43 Level crossing upgrades
- 47 Ntaria (Hermannsburg) School upgrade
- 55 Acacia Hill School upgrade
- 56 Truck parking bays
- 66 Alice Springs Correctional Centre – secure care facilities

PUBLIC HOUSING

- 26 Larapinta - construct 18 unit seniors' village

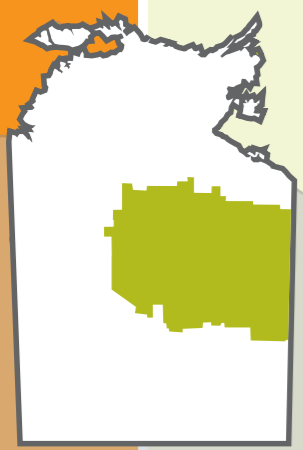
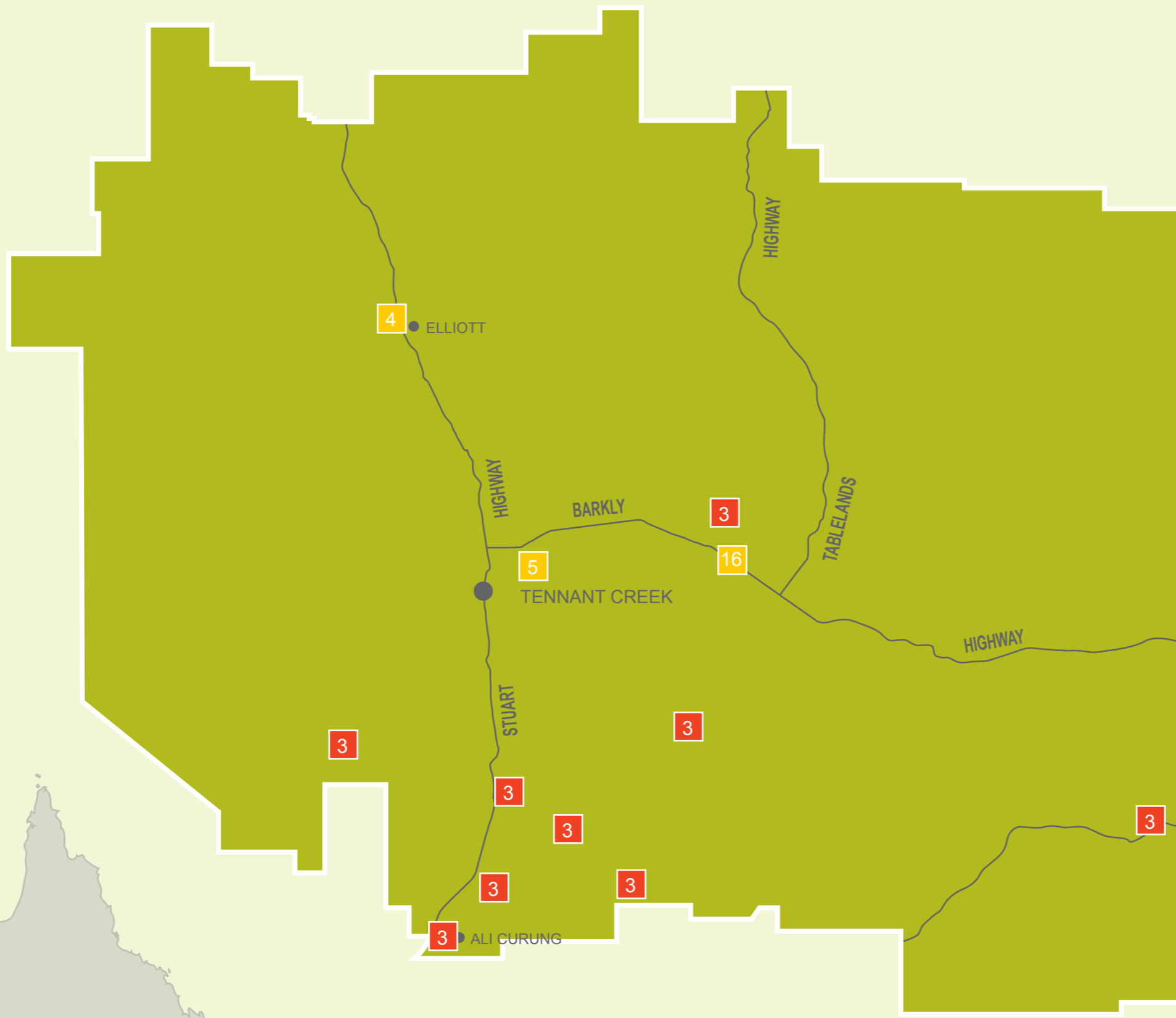
IN PROGRESS MAJOR WORKS

LEGEND

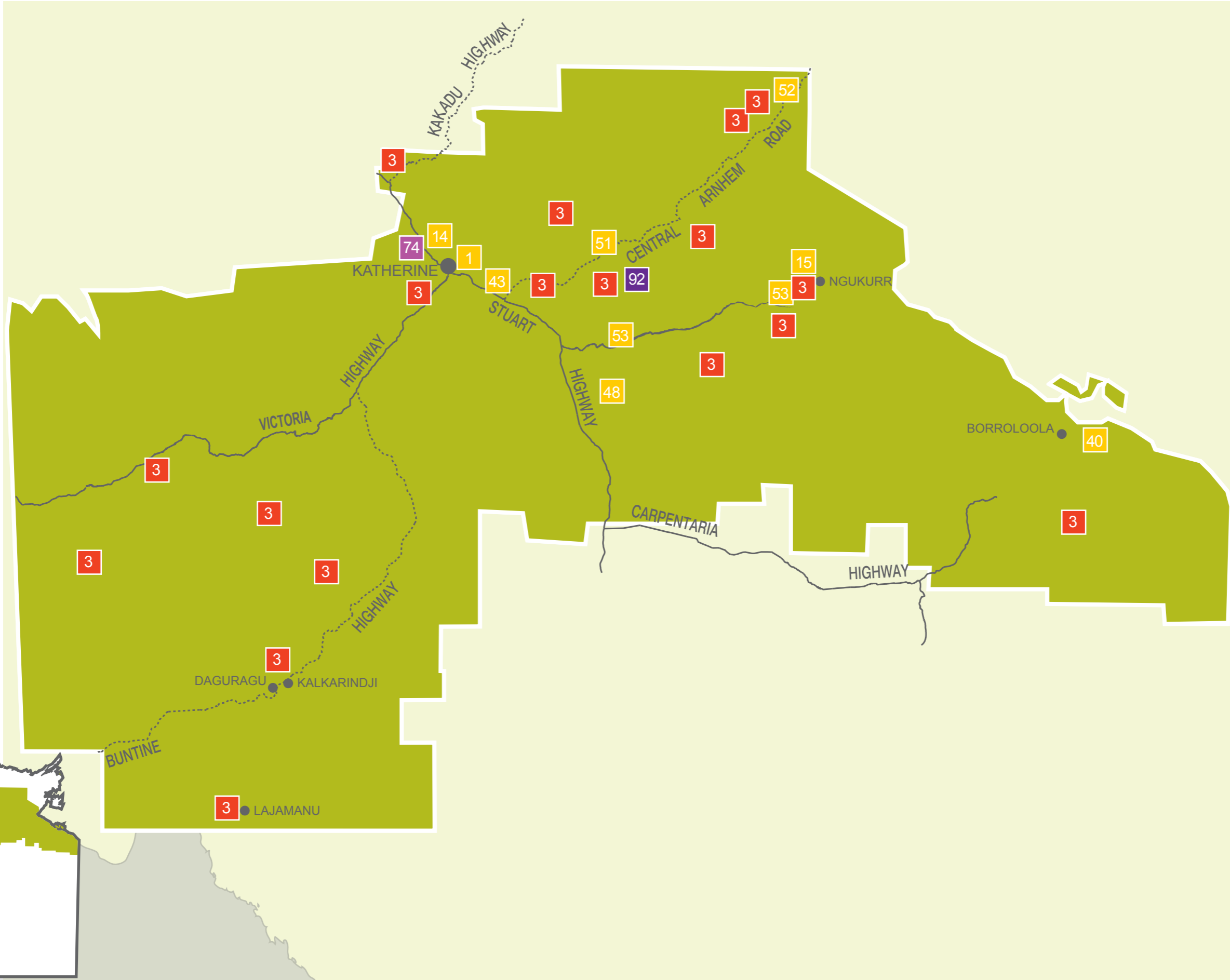
- Northern Territory Government projects
- Cooperative projects

KEY

- 3 Strategic Indigenous Housing and Infrastructure Program (SIHIP)
- 4 Elliott School
- 5 Tennant Creek Police Station
- 16 Police overnight facility, Epenarra



IN PROGRESS MAJOR WORKS



LEGEND

- Northern Territory Government projects
- Cooperative projects
- Mining projects
- Private sector projects

KEY

- 1 Additional beds to support alcohol and other drugs services
- 3 Strategic Indigenous Housing and Infrastructure Program (SIHIP)
- 14 Mount Todd earthworks
- 15 Tomato Island campground, Limmen National Park
- 40 Recreational fishing infrastructure
- 43 Level crossing upgrades
- 48 Cullen River - construct new high-level bridge
- 51 Central Arnhem Road - Mainoru, Goyder, Little Goyder, Donydji
- 52 Central Arnhem Road, stage 1
- 53 Jilkminggan and Ngukurr regions - health centres renovations and extensions
- 74 Cicada Lodge cabins - Nitmiluk
- 92 Sill 80 project

IN PROGRESS MAJOR WORKS

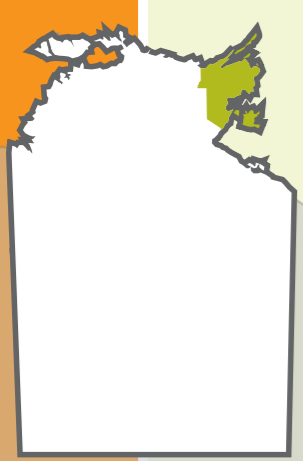


LEGEND

- Northern Territory Government projects
- Cooperative projects

KEY

- 3 Strategic Indigenous Housing and Infrastructure Program (SIHIP)
- 16 Police overnight facility, Angurugu
- 70 Umbakumba Road
- 71 Gapuwiyak Themis police station
- 76 Ramingining Themis police station



IN PROGRESS MAJOR WORKS

LEGEND

- Northern Territory Government projects
- Cooperative projects
- Mining projects
- Defence projects

KEY

- 3 Strategic Indigenous Housing and Infrastructure Program (SIHIP)
- 12 Darwin Correctional Precinct – headworks
- 21 Port Keats Road
- 35 Cosmo Deeps project – develop underground mine and on-site processing plant
- 38 Wadeye – construct health centre
- 40 Recreational fishing infrastructure
- 41 Jenkins Road upgrade
- 43 Level crossing upgrades
- 49 Litchfield National Park redevelopment
- 57 Arnhem Highway shoulder widening
- 64 Woolianna and Marrakai Station roads
- 73 Mount Bundy training area medical facility



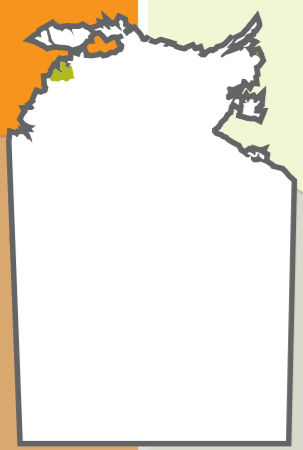
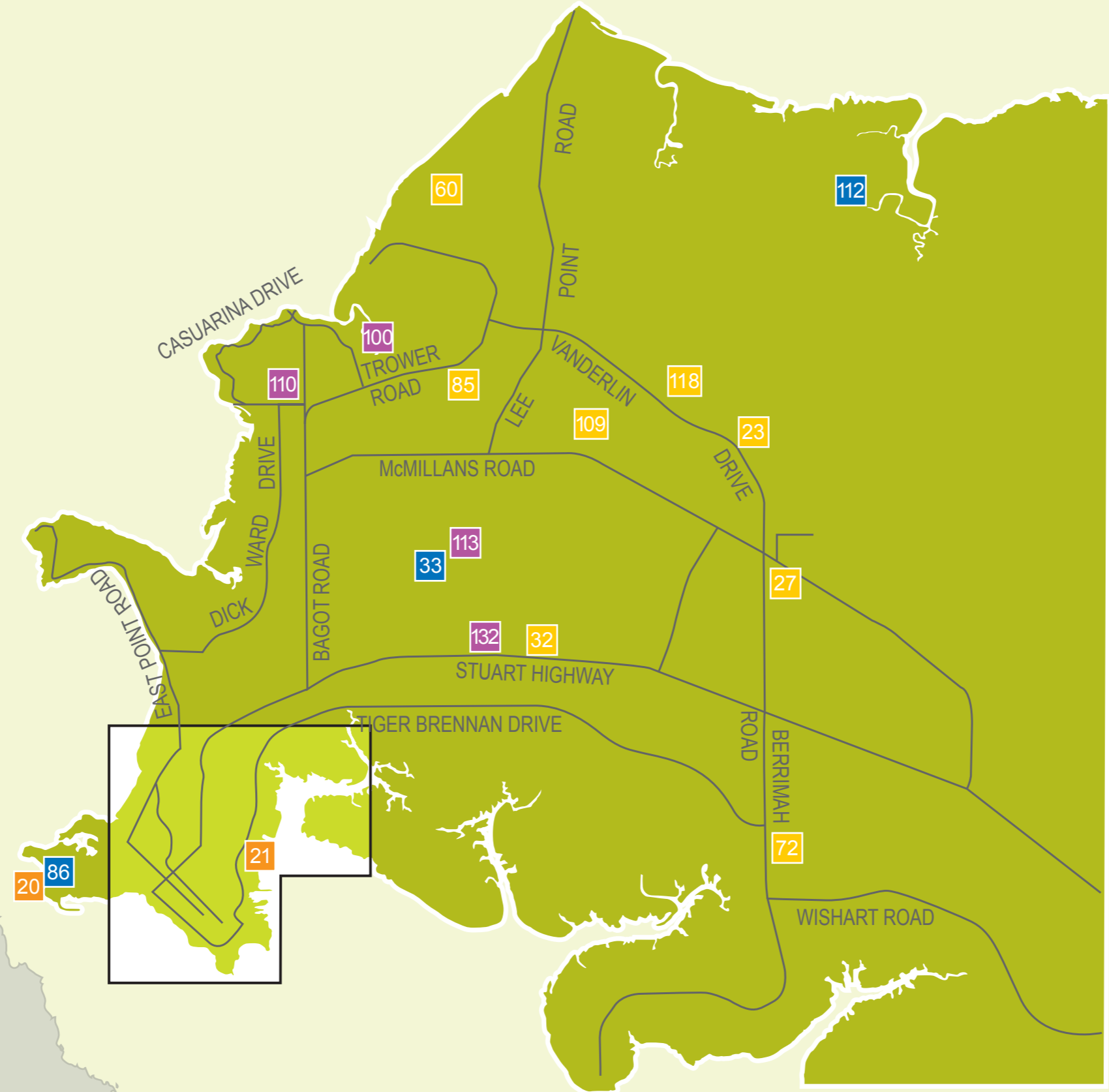
IN PROGRESS MAJOR WORKS

LEGEND

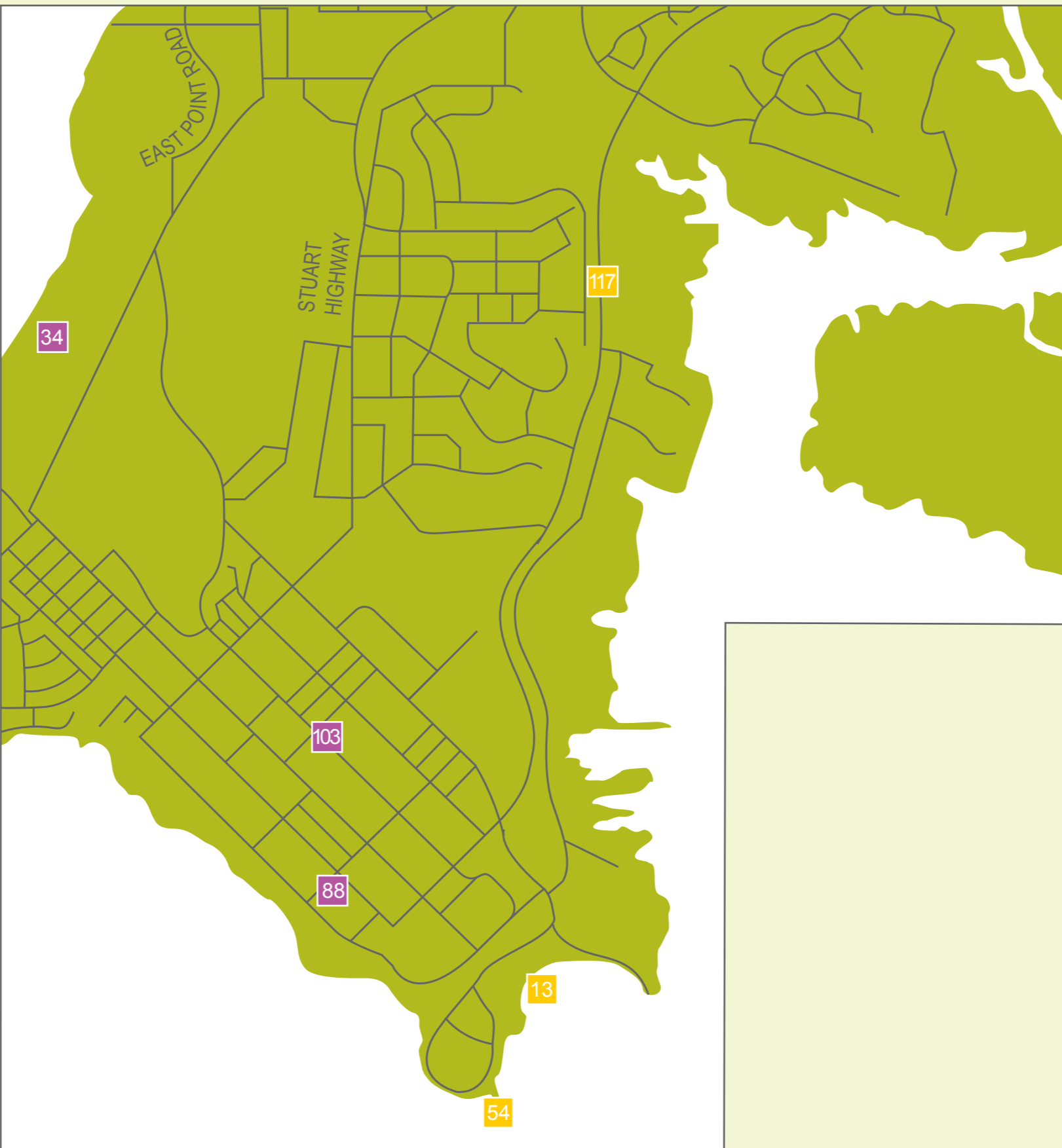
- Northern Territory Government projects
- Power and Water Corporation projects
- Private sector projects
- Defence projects

KEY

- 20 Larrakeyah sewerage outfall closure
- 21 Ludmilla sewage treatment plant upgrade
- 23 Vanderlin Drive duplication
- 27 Peter McAulay Centre
- 32 Darwin Aviation Heritage Centre
- 33 RAAF Base Darwin
- 60 Royal Darwin Hospital
- 72 Berrimah Fire Station
- 85 Casuarina Senior College upgrade
- 86 Larrakeyah Barracks
- 100 Charles Darwin University, Darwin
- 109 Sanderson Middle School
- 110 Nightcliff Garden Estate
- 112 Shoal Bay Receiving Station
- 113 Darwin International Airport – terminal expansion
- 118 Leanyer Recreation Park
- 132 Darwin Galvanizing



IN PROGRESS **MAJOR WORKS**

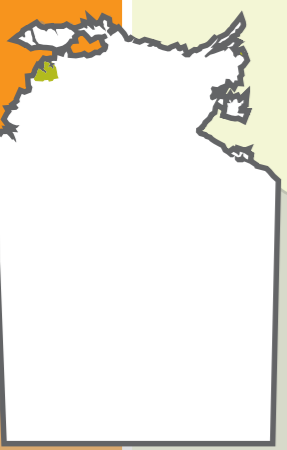


LEGEND

- Northern Territory Government projects
- Private sector projects

KEY

- 13 Darwin Waterfront - works
- 34 SKYCITY Darwin
- 54 Stokes Hill Wharf refurbishment
- 88 Heritage apartments
- 103 AANT House
- 117 Tiger Brennan Drive duplication - Dinah Beach Road to Woolner Road



MAJOR WORKS IN PROGRESS



TERRITORY-WIDE

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|---------|------------------------|
|--|------------|---------|------------------------|

| | | | |
|--|----|-------------|--------|
| TOTAL | | 14.4 | |
| Additional beds to support alcohol and other drugs services in Katherine, Darwin and Alice Springs | 1 | 1.7 | May 12 |
| Improved recreational fishing infrastructure – Corroboree, Salt Water Arm, King Ash Bay | 40 | 1.0 | Jun 12 |
| Level crossing upgrades | 43 | 6.5 | Jun 12 |
| Police overnight facilities at Epenarra and Angurugu | 16 | 1.2 | Dec 12 |
| PUBLIC HOUSING | | | |
| Redevelopment of various unit complexes | 7 | 4.0 | Jun 12 |

COOPERATIVE PROJECTS

| | | | |
|---|---|--------------|------|
| TOTAL | | 672.0 | |
| Strategic Indigenous Housing and Infrastructure Program (SIHIP) | 3 | 672.0 | 2013 |



CENTRAL AUSTRALIA

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|---------|------------------------|
|--|------------|---------|------------------------|

| | | | |
|---|----|--------------|--------|
| TOTAL | | 127.7 | |
| Alice Springs Correctional Centre – secure care facilities | 66 | 6.5 | Apr 12 |
| Alice Springs Hospital – secure care facilities | 19 | 2.5 | Apr 12 |
| Alice Springs Hospital – upgrade Emergency Department | 19 | 23.5 | Apr 12 |
| Ross Park Primary School, stage 3 – upgrade teaching and learning areas | 6 | 3.0 | Apr 12 |
| Acacia Hill School upgrade | 55 | 3.2 | May 12 |
| Alice Springs Hospital co-generation | 19 | 2.1 | May 12 |
| Alice Springs Hospital – upgrade emergency power and electrical systems | 19 | 3.0 | Jun 12 |
| Alice Springs Middle School – establish youth service hub at Anzac Hill | 11 | 12.0 | Jun 12 |
| Kilgariff development – headworks | 10 | 13.5 | Jun 12 |
| Tanami Road, stage 2 | 9 | 4.0 | Jun 12 |
| Alice Springs Hospital – upgrade emergency power, water reticulation and electrical systems | 19 | 8.7 | Jul 12 |
| Ntaria (Hermannsburg) School upgrade | 47 | 1.7 | Jul 12 |
| Araluen Art Centre – replacement of air conditioner plant | 2 | 4.5 | Aug 12 |



BARKLY REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|---------|------------------------|
|--|------------|---------|------------------------|

| | | | |
|--------------------------------------|---|------------|--------|
| TOTAL | | 5.1 | |
| Elliott School upgrade | 4 | 1.4 | Jun 12 |
| Tennant Creek Police Station upgrade | 5 | 3.7 | Jun 12 |



KATHERINE REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|---------|------------------------|
|--|------------|---------|------------------------|

| | | | |
|---|----|-------------|--------|
| TOTAL | | 25.5 | |
| Cullen River – construct new high-level bridge | 48 | 6.0 | Apr 12 |
| Jilkminggan and Ngukurr regions – health centres renovations and extensions | 53 | 1.4 | May 12 |
| Central Arnhem Road, stage 1 | 52 | 1.0 | Jun 12 |
| Mount Todd earthworks | 14 | 1.6 | Jun 12 |
| Tomato Island campground, Limmen National Park | 15 | 1.5 | Sep 12 |
| Central Arnhem Road – Mainoru, Goyder, Little Goyder, Donydji | 52 | 14.0 | Jun 13 |

MINING AND PETROLEUM PROJECTS

| | | | |
|---|----|-------------|--------|
| TOTAL | | 10.0 | |
| * Sill 80 project – surface mining and processing of ilmenite sands | 92 | 10.0 | Jun 13 |

PRIVATE SECTOR PROJECTS

| | | | |
|----------------------------------|----|------------|-----|
| TOTAL | | 8.0 | |
| * Cicada Lodge cabins – Nitmiluk | 74 | 8.0 | TBA |

| | | | |
|--|----|------|--------|
| * Alice Springs Hospital – remediation and upgrade of operating theatres and central sterilisation services department | 19 | 9.1 | Oct 12 |
| *^ Alice Springs – Truck parking bays north and south Stuart Highway | 56 | 2.7 | Nov 12 |
| Alice Springs Hospital – fire safety upgrade | 19 | 22.2 | Dec 13 |
| PUBLIC HOUSING | | | |
| Larapinta – construct 18 unit seniors' village | 26 | 5.5 | Apr 12 |

PRIVATE SECTOR PROJECTS

| | | | |
|----------------------------|----|-------------|--------|
| TOTAL | | 35.0 | |
| Lasseters Hotel and Casino | 25 | 35.0 | Sep 12 |



EAST ARNHEM REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|-------------|------------------------|
| TOTAL | | 38.8 | |
| Umbakumba Road – upgrade and sealing from Angurugu to Umbakumba | 70 | 20.0 | Jun 12 |
| Gapuwiyak – construct Themis police station | 71 | 9.4 | Nov 12 |
| Ramingining – construct Themis police station | 76 | 9.4 | Dec 12 |



TOP END RURAL

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|-------------|------------------------|
| TOTAL | | 92.4 | |
| Jenkins Road upgrade | 41 | 8.6 | Apr 12 |
| Arnhem Highway shoulder widening | 57 | 2.0 | Jun 12 |
| Wadeye – construct health centre | 38 | 7.6 | Jun 12 |
| Litchfield National Park redevelopment – Buley Rockhole and Florence Falls | 49 | 1.0 | Jun 12 |
| Port Keats Road – continue flood immunity improvements including a new high-level bridge over the Daly River | 21 | 11.0 | Dec 12 |
| Port Keats Road, Daly River Bridge, Tommy Creek and five mile crossing | 21 | 19.2 | Dec 12 |
| Port Keats Road, stage 1 – upgrade of Moyle River floodplain and Tom Turner Crossing | 21 | 7.0 | Dec 12 |
| Woolianna and Marrakai Station roads – targeted upgrade and sealing | 64 | 1.0 | Dec 12 |
| Darwin Correctional Precinct – headworks | 12 | 35.0 | Oct 13 |

DEFENCE PROJECTS

| | | | |
|--|----|------------|--------|
| TOTAL | | 3.0 | |
| Mount Bundy training area medical facility | 73 | 3.0 | Dec 12 |

MINING AND PETROLEUM PROJECTS

| | | | |
|---|----|------------|------|
| TOTAL | | 0.0 | |
| * Cosmo Deeps project – develop underground mine and on-site processing plant | 35 | TBA | 2013 |



PALMERSTON AND LITCHFIELD

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|---|------------|--------------|------------------------|
| TOTAL | | 135.4 | |
| Darwin – secure care facilities | 131 | 6.4 | Apr 12 |
| Howard Springs Nature Park – construct improved swimming facilities | 111 | 1.8 | Apr 12 |
| Palmerston AFL facility | 37 | 8.0 | May 12 |
| Palmerston Water Park | 77 | 13.6 | May 12 |
| Highway House refurbishment | 75 | 3.0 | Jun 12 |
| Palmerston East headworks | 56 | 44.0 | Jun 12 |
| Palmerston rugby league facility | 36 | 8.1 | Jun 12 |
| Palmerston soccer facility | 37 | 4.3 | Jun 12 |

PUBLIC HOUSING

| | | | |
|--------------------------------------|-----|-----|--------|
| Bellamack construct 12 new dwellings | 107 | 3.2 | Jul 12 |
|--------------------------------------|-----|-----|--------|

DARWIN PORT CORPORATION

| | | | |
|--|-----|------|--------|
| East Arm Wharf – hardstand | 129 | 9.5 | Jun 12 |
| East Arm Wharf – shiploader modification | 99 | 1.0 | Jun 12 |
| East Arm Wharf – land reclamation (Pond F) | 130 | 15.0 | Dec 12 |

LAND DEVELOPMENT CORPORATION

| | | | |
|--|----|------|--------|
| Darwin Business Park South and Darwin Business Park North, stage 1 | 50 | 14.5 | Jun 12 |
| Casey Road development – provision of a further 6 blocks of industrial land at the entrance to the East Arm Marine Services Precinct | 22 | 3.0 | Jun 12 |

POWER AND WATER CORPORATION PROJECTS

| | | | |
|---|----|-------------|---------|
| TOTAL | | 50.0 | |
| Weddell Power Station – third new gas generation unit | 63 | 50.0 | Sept 12 |

DEFENCE PROJECTS

| | | | |
|--|----|-------------|--------|
| TOTAL | | 72.1 | |
| Defence Housing Authority – Robertson Barracks redevelopment | 24 | 72.1 | Jun 12 |

PRIVATE SECTOR PROJECTS

| | | | |
|--|-----|-------------|--------|
| TOTAL | | 37.2 | |
| Charles Darwin University, Palmerston – Palmerston Sports Precinct | 78 | 9.0 | Jun 12 |
| Villas on Parade, Forrest Parade | 45 | 2.7 | Sep 12 |
| Wallara apartments, Lorna Lim Terrace | 42 | 3.5 | Sep 12 |
| Johnston apartments | 104 | 22.0 | Dec 12 |



DARWIN ENVIRONS

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|---------|------------------------|
|--|------------|---------|------------------------|

| | | | |
|---|-----|-------------|--------|
| TOTAL | | 96.8 | |
| Darwin Aviation Heritage Centre upgrade | 32 | 1.4 | Apr 12 |
| Leanyer Recreation Park – café/bistro | 118 | 1.0 | Apr 12 |
| Sanderson Middle School upgrade | 109 | 1.0 | Apr 12 |
| Casuarina Senior College upgrade | 85 | 5.0 | May 12 |
| Peter McAulay Centre – additional forensic science laboratory and office accommodation | 27 | 1.2 | Jun 12 |
| Royal Darwin Hospital Emergency Department | 60 | 2.8 | Jun 12 |
| [^] Royal Darwin Hospital – patient accommodation | 60 | 18.6 | Jul 12 |
| Vanderlin Drive duplication – Patterson Street to Mueller Road | 23 | 6.2 | Jul 12 |
| ^{*^} Berrimah Fire Station – new fire station, urban search and rescue equipment storage facility and facilities for Darwin's Emergency Service volunteer unit | 72 | 12.3 | Sep 12 |
| Peter McAulay Centre – 16 training college accommodation units to improve the capacity to deliver training programs | 27 | 3.8 | Oct 12 |
| [^] Royal Darwin Hospital – high voltage system chiller standby power upgrade | 60 | 43.5 | May 13 |

POWER AND WATER CORPORATION PROJECTS

| | | | |
|--|----|-------------|--------|
| TOTAL | | 40.0 | |
| Larrakeyah sewerage outfall diversion – Doctors Gully Pump Station | 20 | 20.0 | May 12 |
| [*] Ludmilla sewage treatment plant upgrade | 20 | 20.0 | Dec 12 |

DEFENCE PROJECTS

| | | | |
|---|-----|--------------|--------|
| TOTAL | | 150.4 | |
| Shoal Bay Receiving Station | 112 | 11.0 | May 12 |
| RAAF Base Darwin, stage 2 – redevelopment | 33 | 20.0 | Jun 12 |
| Defence Housing Authority – Larrakeyah Barracks | 86 | 69.6 | Dec 12 |
| RAAF Base Darwin – infrastructure works | 33 | 49.8 | Dec 12 |

PRIVATE SECTOR PROJECTS

| | | | |
|--|-----|--------------|--------|
| TOTAL | | 150.5 | |
| Darwin Galvanizing | 132 | 1.5 | May 12 |
| Charles Darwin University, Darwin – Australian Centre for Indigenous Knowledge and Education | 100 | 24.0 | Dec 12 |
| [*] Nightcliff Gardens Estate, stages 1 to 4 | 110 | 90.0 | Dec 12 |
| [*] Darwin International Airport – terminal expansion | 113 | 35.0 | 2014 |



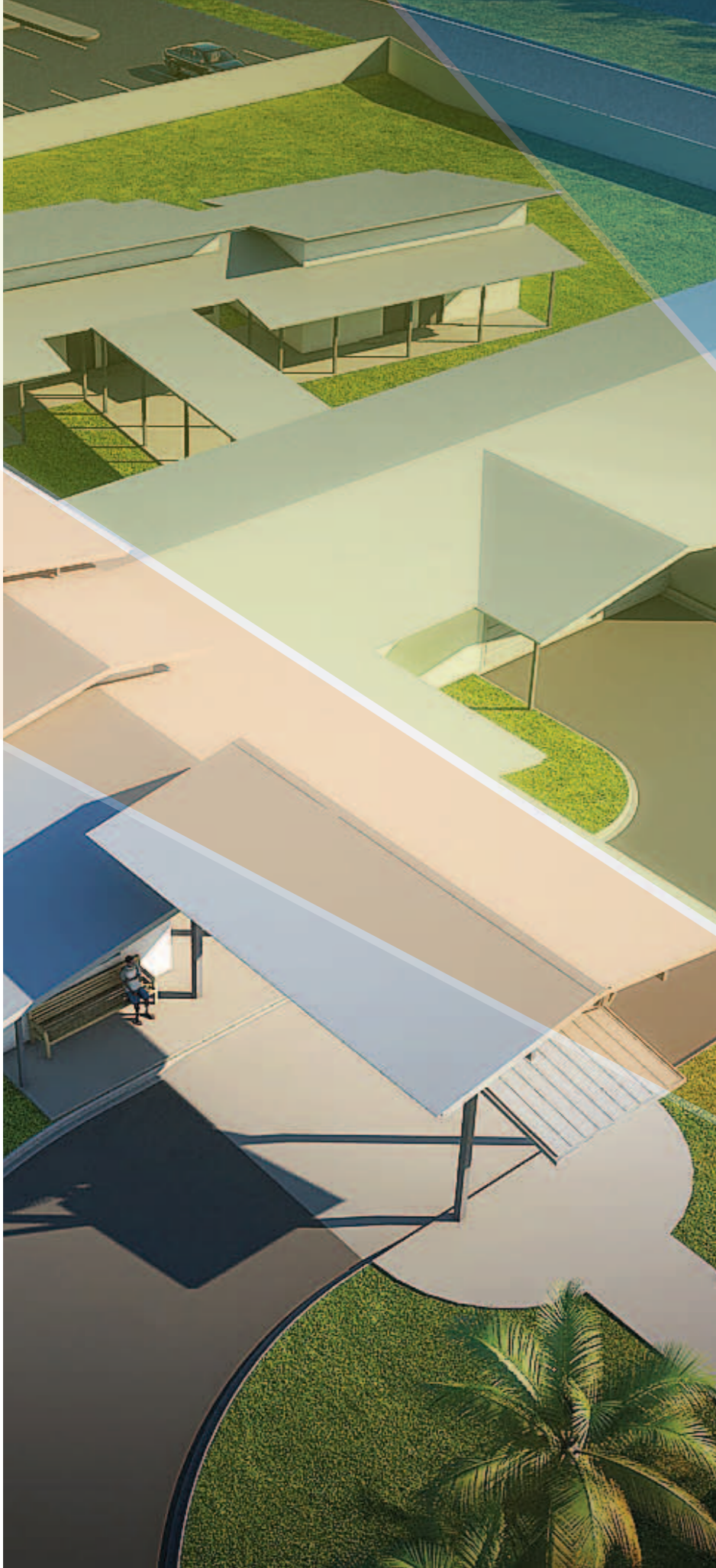
DARWIN CBD

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Key on map | Est \$M | Anticipated completion |
|--|------------|---------|------------------------|
|--|------------|---------|------------------------|

| | | | |
|--|-----|-------------|--------|
| TOTAL | | 60.0 | |
| Tiger Brennan Drive duplication – Dinah Beach Road to Woolner Road | 117 | 13.0 | Jun 12 |
| Stokes Hill Wharf refurbishment | 54 | 21.0 | May 13 |
| Darwin Waterfront – various projects | 13 | 26.0 | Jun 13 |

PRIVATE SECTOR PROJECTS

| | | | |
|--|-----|-------------|--------|
| TOTAL | | 90.0 | |
| Heritage apartments (Lot 2291, Knuckey Street, Darwin) | 88 | 10.0 | Jul 12 |
| SKYCITY Darwin Casino Resort – accommodation | 34 | 50.0 | Sep 12 |
| Refurbishment of AANT House – a new hotel development | 103 | 30.0 | Jan 13 |



MAJOR WORKS PROPOSED

Major works are defined as projects with an expected expenditure of greater than \$1 million.

MAJOR WORKS PROPOSED

TERRITORY-WIDE

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
|--|-------------------|

| | |
|---|---------|
| Child care centres – Umbakumba and Hermannsburg | Q3 2012 |
|---|---------|

CENTRAL AUSTRALIA

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
|--|-------------------|

| | |
|--|---------|
| Araluen Art Centre – solar generation | Q2 2012 |
| Utopia Airstrip – upgrade | Q2 2012 |
| Walungurru School – replacement of administration block | Q2 2012 |
| Youth boarding facility | Q4 2012 |
| Arparra Police Station – construct Themis police station | Q1 2013 |
| Relocation from Greatorex and fit out new building | Q4 2013 |

MINING AND PETROLEUM PROJECTS

| | |
|---|---------|
| Tanami Central Project – reopen Tanami and Ground mines with ore processing at Tanami | Q2 2012 |
| Molyhil Mine – develop underground mine and on-site processing plant | Q3 2012 |
| Spinifex Bore – garnet sand surface mining operation | Q3 2012 |
| Nolans Mine – open-cut mine with on-site crushing and screening and off-site processing | Q3 2013 |
| Mt Peake Project – develop new open pit mining operation and on-site processing plant | 2014 |

PRIVATE SECTOR PROJECTS

| | |
|---|---------|
| * Finke Child Care Centre | Q2 2012 |
| * Yuelamu Child Care Centre | Q2 2012 |
| * Ayers Rock Resort refurbishment of hotels and new under the stars five star dining experience | Q2 2012 |
| * Ayers Rock Resort Conference Centres public area works | Q2 2012 |
| * Ayers Rock Resort Conference Centre – Indigenous training academy | Q3 2012 |
| Elevation 2070 – offices and retail building | Q2 2013 |
| * Alice Springs Airport – NT Police Hangar | TBA |

BARKLY REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
|--|-------------------|

| | |
|---|---------|
| Canteen Creek Airstrip – upgrade | Q2 2012 |
| Tennant Creek Hospital – fire safety upgrade, stage 4 | Q2 2012 |

MINING AND PETROLEUM PROJECTS

| | |
|--|---------|
| McArthur River Mine – mine expansion to double production | Q3 2012 |
| Wonarah Phosphate Minemakers – open-cut phosphate mine with on-site crushing and screening | TBA |
| Tennant Creek common user bulk mineral distribution facility | TBA |

KATHERINE REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
|--|-------------------|

| | |
|--|---------|
| Construction of a new high-level bridge over the King River on the Stuart Highway south of Katherine to improve flood immunity | Q2 2012 |
| Kalkarindji School – upgrade primary and administration area | Q4 2012 |
| Lajamanu Airstrip upgrade | TBA |
| Yarralin Airstrip upgrade | TBA |

POWER AND WATER CORPORATION PROJECTS

| | |
|---|---------|
| * Katherine waste stabilisation plant upgrade | Q2 2012 |
|---|---------|

MINING AND PETROLEUM PROJECTS

| | |
|--|---------|
| Hodgson Downs iron ore project – open-cut mining and on-site processing iron ore, stage 1 and 2 | Q3 2012 |
| * Mt Todd Mine – reopen Mt Todd mine – open cut pit with new on-site processing plant | Q3 2012 |
| Roper Bar iron ore project – open-cut iron ore mining, on-site processing and ore pipeline to proposed new port in Gulf of Carpentaria | Q3 2012 |

PRIVATE SECTOR PROJECTS

| | |
|---------------------------------|---------|
| * Jilkminggan Child Care Centre | Q2 2012 |
| * Lajamanu Child Care Centre | Q2 2012 |

EAST ARNHAM REGION

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
| Yirrkala School upgrade | Q3 2012 |
| * Anindilyakwa Trade Training Centre | Q4 2012 |

TOP END RURAL

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
| Nguiu barge landing | Q2 2012 |
| Gapuwiyak barge landing – upgrade | Q2 2012 |
| Pirlangimpi district health building | Q2 2012 |
| Taminmin College – new special education centre to provide for years 7 to 12 | Q2 2012 |
| Fog Bay Road – upgrade and seal selected stream crossings | Q2 2012 |

MINING AND PETROLEUM PROJECTS

| | |
|--|---------|
| Mataranka Lime – install 2 new gas-fired kilns for processing limestone | Q2 2012 |
| Ranger 3 Deeps – develop underground exploration decline for resource definition and DFS | 2012 |
| Area 55 mine – open-cut pit and associated infrastructure – ore transported to Brown's Oxide Mine for processing | TBA |
| Brown's Oxide Mine – construct new Co-Ni processing plant | TBA |
| Brown's sulphide project – develop an open-cut and underground polymetallic sulphide mine | TBA |

PRIVATE SECTOR PROJECTS

| | |
|---|---------|
| * Ichthys Gas Project – onshore workers accommodation village | Q2 2012 |
| * Minjilang Child Care Centre | Q2 2012 |
| Lake Bennett Wilderness Resort expansion | TBA |

PALMERSTON AND LITCHFIELD

| NORTHERN TERRITORY GOVERNMENT PROJECTS | Anticipated start |
|--|-------------------|
| Litchfield swimming pool – site works | Q2 2012 |
| Palmerston Senior College – upgrade facilities for special education classes | Q2 2012 |
| ^ Litchfield National Park – construct Wangi Visitor Centre facility | Q2 2012 |
| ^ Palmerston Hospital | Q1 2013 |

LAND DEVELOPMENT CORPORATION

| | |
|------------------------------|-----|
| Defence Support Hub, stage 2 | TBA |
|------------------------------|-----|

PUBLIC HOUSING

| | |
|--|---------|
| * Bellamack construct 10 new dwellings | Q3 2012 |
| * Rosebery construct 7 new dwellings | Q3 2012 |

DEFENCE PROJECTS

| | |
|--|---------|
| Defence Housing Authority – Robertson Barracks | Q3 2012 |
|--|---------|

PRIVATE SECTOR PROJECTS

| | |
|---|---------|
| Charles Darwin University, Palmerston – campus subdivision | Q3 2012 |
| Marine Supply Base | Q2 2012 |
| Middle Arm – Ichthys LNG Project | |
| *^ Onshore civil site preparation and module | Q2 2012 |
| *^ Deepening the shipping channel | Q3 2012 |
| *^ Construction of LNG tanks | Q2 2013 |
| *^ Construction of offloading jetty | Q3 2013 |
| *^ Gas export pipeline – rock transportation to East Arm Port | Q1 2014 |
| *^ LNG train on-site installation and hook up | 2014 |

DARWIN ENVIRONS

NORTHERN TERRITORY GOVERNMENT PROJECTS

Anticipated
start

| | |
|---|---------|
| Cullen Bay pontoon replacement | Q2 2012 |
| * Cullen Bay sheet pile wall – remedial works | Q2 2012 |
| Henbury School upgrade | Q2 2012 |
| * Royal Darwin Hospital Emergency Department and theatre upgrades | Q2 2012 |

PUBLIC HOUSING

| | |
|--|---------|
| Moil – construct 4 new dwellings | Q3 2012 |
| Northern suburbs – construct 7 new dwellings | Q3 2012 |

POWER AND WATER CORPORATION PROJECTS

| | |
|---------------------|---------|
| * Parap trunk sewer | Q2 2012 |
|---------------------|---------|

PRIVATE SECTOR PROJECTS

| | |
|---|---------|
| Charles Darwin University, Darwin – health workers' accommodation | Q2 2012 |
| Charles Darwin University, Darwin – Northern Australian Centre for Oil and Gas | Q2 2012 |
| Leanyer Zone Substation and 66kV line | Q2 2012 |
| Blue Fig apartments | Q3 2012 |
| Aurora Shady Glen Tourist Park | Q3 2012 |
| Rothdale Road motel | Q3 2012 |
| Homemaker Village, stage 7 – showroom and offices | Q4 2012 |
| Coonawarra Road – office/showroom | Q4 2012 |
| Menzies School of Health Research on Charles Darwin University Campus | Q4 2012 |
| 17 Geranium Street, The Gardens – addition to existing motel for new 8 storey building for 90 x 1 bedroom motel and studio suites | TBA |

DARWIN CBD

PRIVATE SECTOR PROJECTS

| | |
|---|---------|
| Hastings over Mindil – The Avenue, Soul and Spirit Towers | Q4 2012 |
| Gateway Plaza building – offices/apartments | Q4 2012 |
| * Charles Darwin Centre (Paspaley Building) | Q4 2012 |
| La Vida apartments | 2013 |
| Energy House facade upgrade | Q2 2013 |
| Freedom Tower apartments | Q2 2013 |
| Lindsay Street apartments | TBA |
| Quest Arcadia | TBA |

a smart
Territory

healthy
Territory

great
Territory
lifestyle

greening the
Territory

housing the
Territory

growing the
Territory

working
future

a safe
Territory

TERRITORY 2030

PROFILE OF MAJOR PROJECTS

Territory 2030 is a 20-year strategic plan for the Northern Territory. It was developed by an independent steering committee and was [launched](#) by the Chief Minister and the 2 co-chairs of the steering committee, Vicki O'Halloran and Bill Moss AM, on 3 December 2009.

The [Territory 2030 Strategic Plan](#) is the government's road map for the future. Developed in consultation with the Territory community, *Territory 2030* sets priorities and will guide government's efforts over the next 2 decades.

Territory 2030 contains 128 targets linked to 6 key priorities: [education](#), [society](#), [economic sustainability](#), [health and wellbeing](#), [the environment](#), and [knowledge, creativity and innovation](#).

TERRITORY GROWTH TOWNS

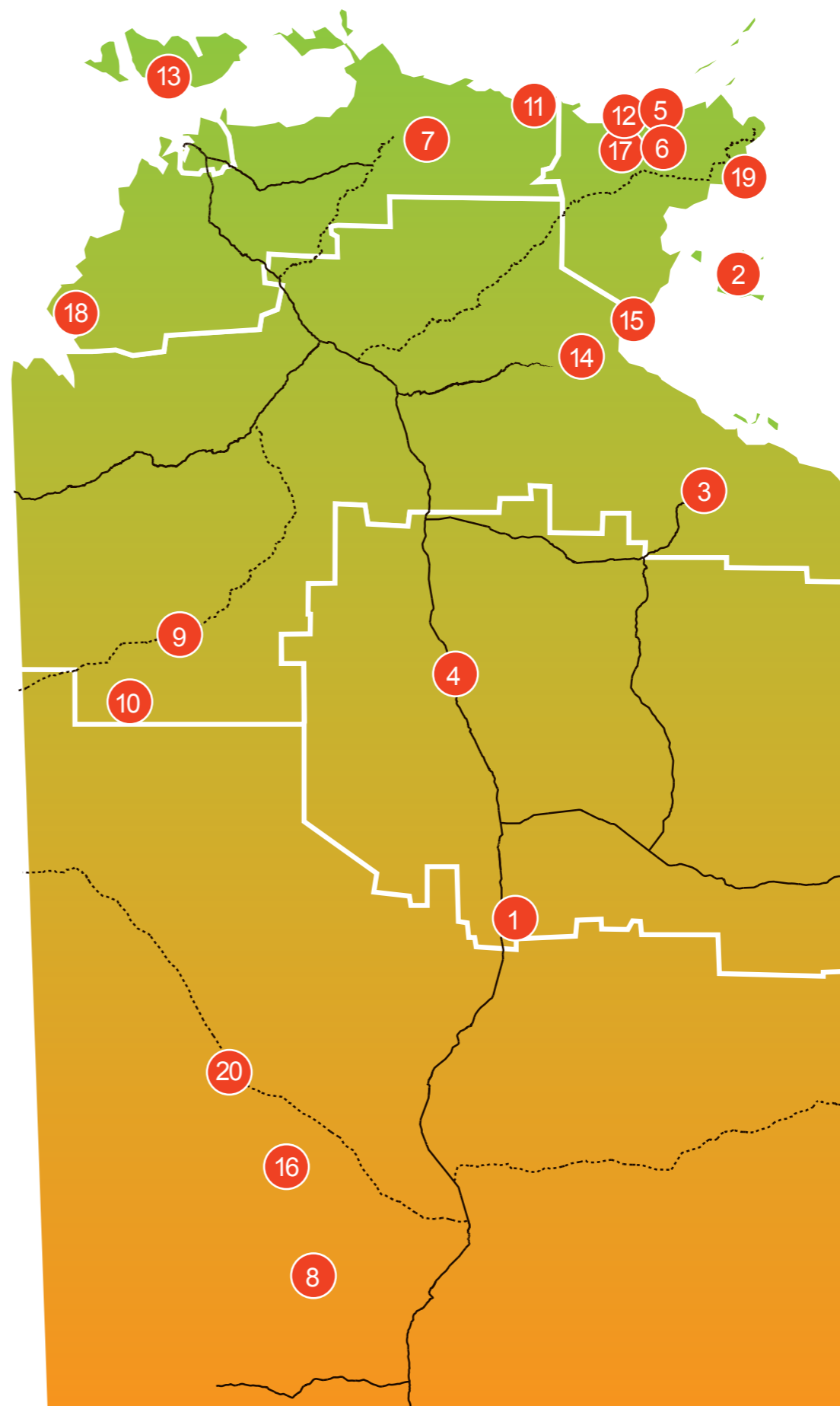
A *Working Future* will see 20 Indigenous communities transformed over time into Territory Growth Towns that:

- are properly planned and designed
- have services, buildings and facilities like any other country town
- benefit from targeted investment in infrastructure.

If you want to know more about Territory Growth Towns, you can view the website www.workingfuture.nt.gov.au/growth_towns.html, phone 08 8999 5270 or contact the local Government Business Manager.

The Territory Growth Towns are:

| | | | |
|------------|--------------------|----------------------|-----------------------|
| Maningrida | Gunbalanya | Gapuwiyak | Ramingining |
| Wadeye | Milingimbi | Yuendumu | Ntaria (Hermannsburg) |
| Borroloola | Ngukurr | Yirrkala | Papunya |
| Galiwin'ku | Numbulwar | Lajamanu | Elliott |
| Nguiu | Angurugu/Umbakumba | Daguragu/Kalkarindji | Ali Curung |



TERRITORY GROWTH TOWNS

- 1 Ali Curung
- 2 Angurugu and Umbakumba
- 3 Borroloola
- 4 Elliott
- 5 Galiwin'ku
- 6 Gapuwiyak
- 7 Gunbalanya
- 8 Ntaria (Hermannsburg)
- 9 Kalkarindji and Daguragu
- 10 Lajamanu
- 11 Maningrida
- 12 Milingimbi
- 13 Nguiu
- 14 Ngukurr
- 15 Numbulwar
- 16 Papunya
- 17 Ramingining
- 18 Wadeye
- 19 Yirrkala
- 20 Yuendumu



NEMARLUK SCHOOL

Construction of the new Namarluk School is nearing completion.

The new school will provide special needs students with access to better facilities and more educational opportunities.

The existing Namarluk School is being relocated to the new site, adjacent to Alawa Primary School, and will provide facilities to cater for up to 110 special needs students.

The new school will include 14 classrooms, a hydrotherapy pool, a multipurpose assembly and gymnasium, after-school care building and administration facilities.

A feature of this development will be the opportunity for community groups to access facilities after hours such as the air-conditioned multipurpose building.

Web:

www.nt.gov.au/infrastructure/projects/namarluk-school/index.shtml





BERRIMAH FIRE AND EMERGENCY SERVICES FACILITY

Construction of the new \$13 million Berrimah Fire Station and Emergency Services Facility has commenced.

Located on Berrimah Road (between Tiger Brennan Drive and Wishart Road), the facility will be the main support for Darwin, Marrara and Palmerston, and in the future, Weddell fire stations.

The facility will allow for a specialised and technical response which will include chemical/biological/radiological, hazmat and urban search and rescue.

Also included are:

- a fire station
- a special operations/NT Emergency Services building for volunteers
- a training tower
- 60m high radio communications tower
- sewerage treatment
- parking throughout facility.

The Special Operations/NTES building is a separate facility dedicated to fire fighter training and storage of specialised equipment for disaster response. It will also serve as headquarters and storage for NTES and their equipment.

The four level training tower is connected by stairs and ladders which replicates a high rise building and allows for specialised high level rescue training and fire fighting.

The project will provide a fit-for-purpose, world class facility with potential for future expansion as required.

Works are scheduled for completion in September 2012.





PALMERSTON HOSPITAL

The \$110 million Palmerston Hospital project is moving to the next phase: architectural design.

Well-known Darwin-based firm MKEA architects has been awarded the design tender and will partner with Suter Architects, health facilities architects based in Sydney and Melbourne.

The purpose-built facility will cater for up to 60 beds and incorporate a 24/7 emergency department and a range of services, such as day procedures, inpatient beds, some maternity services and outpatient services, to suit the requirements of the community.

Palmerston Hospital will be designed to complement the services provided by Royal Darwin Hospital. With links to Darwin, Katherine and Gove hospitals through the Top End Local Hospital Network, the Palmerston Hospital will service the Top End of the Northern Territory.

It will take some of the pressure off the Royal Darwin Hospital emergency department and provide services closer to home for people living in the Palmerston and rural areas.

The early works, including the upgrade and extension of water and sewer mains services to the Palmerston Hospital site and the provision of temporary fencing, have been awarded to a local company and will commence by late April 2012.

The construction tender will be advertised towards the end of 2012, with work expected to start on site March 2013. The hospital is expected to become operational in early 2016.





ROYAL DARWIN HOSPITAL PATIENT ACCOMMODATION PRECINCT

Work is now well underway on the new short-term accommodation precinct at the Royal Darwin Hospital.

The project comprises:

Stage 1

Indigenous mothers' accommodation with eight self-contained ensuite units (16 beds).

Stage 2

Short-term patient accommodation comprising 50 self-contained ensuite units.

Once the project is complete, those travelling from remote and rural areas to access health care will have a place to stay, taking the pressure of other existing short-term accommodation providers in the Darwin area.

Stage 1 was finished in February 2012. Stage two is 50% complete, with project completion expected mid 2012.

Web:

<http://www.nt.gov.au/infrastructure/projects/RDH-accom/index.shtml>



ROYAL DARWIN HOSPITAL POWER UPGRADES

The \$43.5 million upgrading of the central standby power system and chillers at Royal Darwin Hospital will commence mid-year.

The project will result in greater cyclone resilience and energy efficiencies for Royal Darwin Hospital. The boilers are being converted to run on LPG.

Four separate contracts have been let in relation to the project.

The main contract was awarded to NT based contractor O'Donnell Griffin, which is responsible for the installation and commissioning of the generators, high voltage infrastructure upgrades, substations, chillers and diesel fuel tanks.

The existing generators are being replaced with new diesel powered generators which are due in April and will be supplied by Darwin company MTU Detroit Diesel Australia.

Another local Darwin company, ISAS Pty Ltd, will be installing the high voltage switch room.

Delivery of the generators, radiators and associated equipment is due in April with installation commencing shortly after.

The project is due for completion late April 2013.



WANGI FALLS VISITOR CENTRE

Construction of the new Wangi Falls Visitor Centre, located in Litchfield National Park, is underway.

Stage one (\$275 000) is scheduled for completion June 2012 and comprises the following:

- sewerage treatment plant
- loading bay area
- new generator building
- gas tank enclosure.

The second stage (valued at \$2.45 million) is scheduled to start in June 2012 and includes:

- an enclosed area to hold Indigenous art workshops and demonstrations and sell local art
- souvenir shop
- inside dining area to accommodate 20 people
- outside dining area to accommodate 88 people
- pathways to campground and Wangi Falls
- installation of solar power and back-up generator
- kitchen
- air-conditioned camp site office and storage space
- staff toilets
- associated services (power, water, drainage).

The new facilities will assimilate with the existing reserve to work as one enhanced visitor experience.

Careful consideration has been given to ensure that the design is aesthetically pleasing and complements the surrounding natural environment.

The project is due for completion in January 2013.

Web:

<http://www.nt.gov.au/infrastructure/projects/wangi-falls/index.shtml>



ICHTHYS LNG PROJECT

The single biggest contract in the Territory's history has been awarded to Macmahon John Holland joint venture for the value of \$340 million.

The Macmahon John Holland joint venture will carry out civil construction works associated with the LNG onshore facilities including access roads, earthworks, drainage and ground improvement.

Construction on the onshore facilities is scheduled to start early May. Building a project the size of Ichthys requires significant infrastructure. The onshore gas-processing facilities will be located at Blaydin Point, not far from the Darwin LNG plant operated by ConocoPhillips. It will include:

- two liquefied natural gas (LNG) 'trains'
- liquefied petroleum gas (LPG) plant
- condensate plant
- product load-out jetty
- a 300-megawatt power station: larger than Darwin's existing station on Channel Island.

An accommodation village is also being built in Howard Springs to house up to 3500 fly-in-fly-out workers that will be needed during the peak of the construction phase.

Construction timeline

Q2 2012 – Q1 2014 – Onshore civil site preparation and Module

Module Offloading Facility (MOF) construction

The gas plant will be built offsite in a modular fashion, in chunks, rather than in the traditional 'stick-build' fashion where everything's built on site. This is a more efficient construction method where pieces are pre-built, hauled to site by barge and placed in position and bolted to other modules. Some of these modules will weigh up to 7000 tonnes and be up to 40m long.

Q3 2012 – 2015 – Deepening the shipping channel

Dredging is required to create a safe shipping channel through Darwin's working harbour, along with a berthing area for LNG tankers arriving at the gas processing facility on Blaydin Point.

Dredging is required because water in the area is currently too shallow for safe access for LPG and condensate tankers.

Q2 2013 – Q2 2016 – Procurement and construction of LNG tanks

Separate tanks must be constructed for the LNG, LPG and condensate (a valuable gas by-product). This process will take about three years.

Q3 2013 – Q4 2015 – Offloading jetty procurement and construction

This phase is about finishing the design and construction of the jetty. The offloading jetty transports the products (LNG, LPG and condensate) from the onshore facilities to the export vessels.

Q1 2014 – Q3 2014 – Gas Export Pipeline (GEP) rock transport to East Arm Port

Quarried rock will be layered over the gas pipeline that runs along the bed of Darwin Harbour to protect it from ships, anchors and other hazards. This is called 'rock armour' and will take about six months to get in place.

2014 – End 2016 – LNG Train on-site installation and hook-up

The onshore plant will have two LNG 'trains' that process the gas by cooling it to a liquefied form for transport to market. Once both trains are installed, the first train will be brought into production, and when at full capacity, the second train will then go into commissioning.





TRUCK PARKING BAYS

A total of three truck parking bays north of Alice Springs will be upgraded and sealed along with a further three truck parking bays south of Alice Springs.

The truck parking bays will be 150 metres long and can accommodate up to six road trains at a time.

Works include:

- upgrading truck parking bays and rest areas
- improving targeted intersections to cater for increasing traffic demands
- implementing new entrance and exits and;
- construction of an acceleration and deceleration lane.

These bays will be upgraded as part of an Australian Government funded fatigue management program to support the trucking industry.

In March 2012, two contracts were awarded, with works expected to commence in April and be completed by July 2012.



PLANNING FOR THE TERRITORY'S GROWTH

The Territory Government has released three long-term strategies to guide infrastructure investment to support the Territory's growth.

In February 2012 the Minister for Lands and Planning, the Hon Gerry McCarthy MLA, released the 10 Year Infrastructure, Road and Transport strategies which form part of the Territory 2030 roadmap to maintain high levels of investment in infrastructure to underpin long-term development and expansion.

10 YEAR INFRASTRUCTURE STRATEGY

The way our infrastructure is planned, delivered and maintained is a critical role of government. It is one of the largest investments in any government budget. The 10 Year Infrastructure Strategy identifies the Northern Territory Government's infrastructure priorities for both medium term (4 years) and long term (5 to 10 years). The strategy will guide government decisions to ensure we best meet the needs and aspirations of Territorians.

The Infrastructure Strategy identifies seven priorities for action to shape our built environment:

- land
- remote services
- transport
- energy and water
- social infrastructure
- telecommunications
- infrastructure planning and management.

10 YEAR ROAD STRATEGY

Roads are at the heart of the Territory and the lifeblood of our community. The 10 Year Road Strategy outlines three strategic priorities and six priority themes.

Strategic Priorities

- enhancing stakeholder and user engagement
- integrating road planning with transport, land use and infrastructure planning

- continuing to seek funding support from the Australian Government for the delivery of National Highway and strategic road projects.

Priority Themes

- population growth and social development
- economic development
- remote area access
- safer roads
- environment and asset management
- national transport reforms.

10 YEAR TRANSPORT STRATEGY

The Northern Territory has a strong economy which is dependent on a robust transport system for its future growth and development. The 10 Year Transport Strategy provides a guiding framework for strategic transport development. The strategy identifies seven key strategic areas and a number of priority actions which will enable the continued delivery of the transport task over the next 10 years.

- external links – improving national and international transport linkages
- connected communities – improving connections across the Territory
- public transport – improving urban public transport services and regional passenger services
- safety and security – improving transport safety and security
- sustainable and active transport – reducing environmental impact
- integration – integrating land use and transport planning, policies and actions
- meeting user needs – maintaining a transport system that meets user needs

For more information on the Infrastructure, Road and Transport Strategies visit www.dlp.nt.gov.au/publications

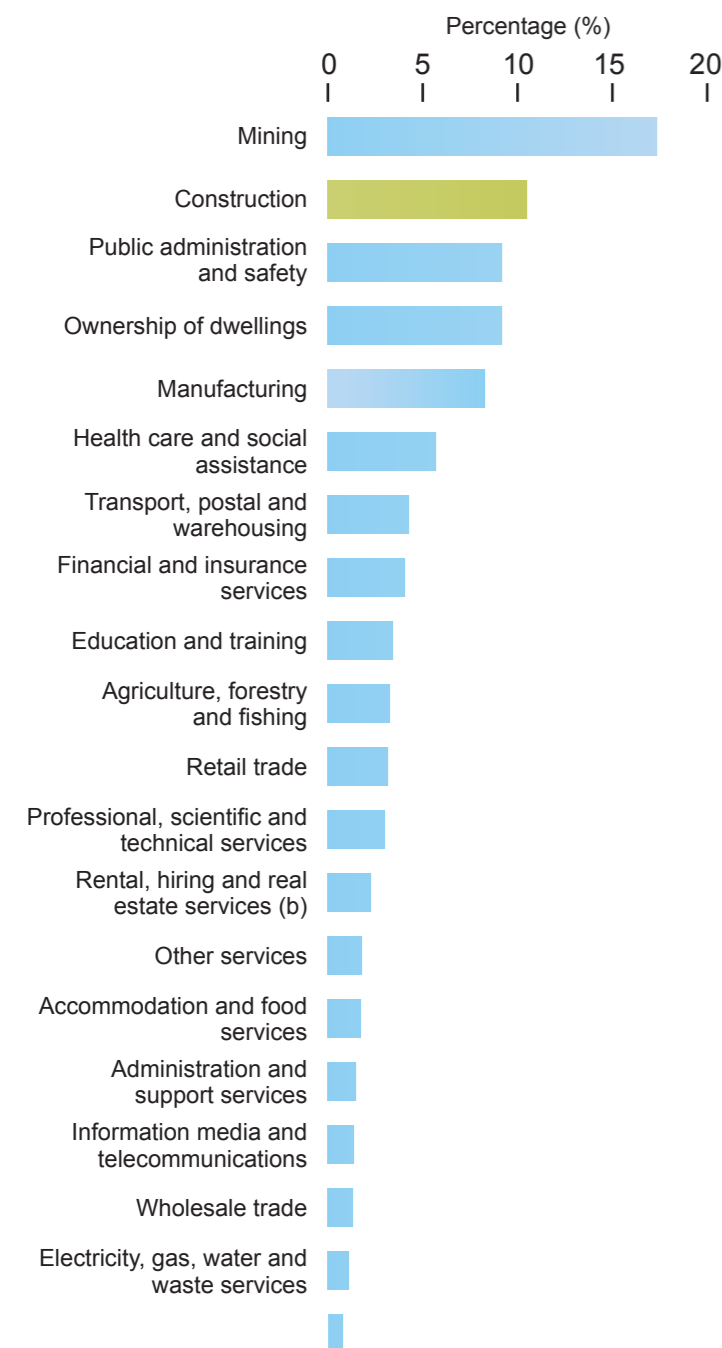


NORTHERN TERRITORY CONSTRUCTION INDUSTRY SECTOR SNAPSHOT MARCH 2012

Overview

The construction sector is one of the largest sectors of the Northern Territory economy and is a key indicator for economic growth. As can be seen below, in 2010–11, it was the second largest contributor to Gross State Product (GSP) in the Northern Territory. The figure below represents

NT: Sector contributions to GSP 2010–11



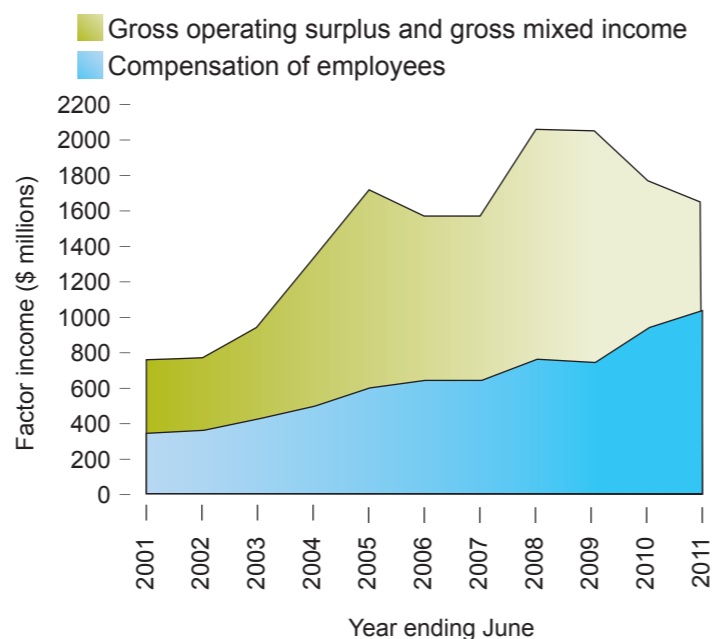
Source: ABS Cat No. 5220.0

the factor income generated by construction businesses in the Northern Territory. Compensation of employees (wages and salaries excluding taxes and employer contributions) accounts for 64% of the sector value added.

Historically, building and engineering construction have had a similar value-of-work-done, but in more recent times engineering construction value has increased noticeably during the construction phase of major resource development projects.

Due to the small size of the Northern Territory economy, large construction projects can have a significant impact on the total value-of-work-done in any year.

Construction factor income



Source: ABS Cat No. 5220.0

In 2010–11, construction activity was subdued as a result of the successful completion of several large private sector projects. This, however, has been offset to some extent by an increase in public investment projects.

Performance and outlook

Total construction work done in the December 2011 quarter was \$814 million (original data), an increase of 55.2% from the previous quarter.

Engineering construction work accounted for 68% of total construction work done in the December quarter 2011, reflecting a 93% rise compared to the previous quarter, mainly from engineering works in the mining sector.

In the year to December 2011, total construction work done in the Territory was valued at \$2.18 billion, an increase of 15.5% compared to the previous 12 month period primarily driven by the successful completion of several major projects such as the Eni's Kitan oilfield.

Building work in the pipeline, which includes work yet to be done and work approved but not yet commenced, was estimated to be \$697 million (original) in the December 2011 quarter, a decrease of 11.5% compared to the previous quarter.

The value of construction activity in 2011–12 is expected to be boosted by new development projects such as the Ichthys LNG project, the construction of a new correctional facility in Darwin and the development of the Marine Supply Base. Government's accelerated land release program and the Commonwealth SIHIP program will continue to support the residential construction activity in the Territory.

The construction sector, however, continues to face a number of challenges including:

- the uncertain timing of major construction and development projects
- availability of land
- high costs of construction
- volatility in construction activity
- tight lending conditions.
- weak consumer confidence.

Employment in the construction sector

Construction industry employment by occupation (February 2012)



Source: ABS Cat No. 6291.0.55.003

As at February 2012, approximately 13 427 people were employed full-time and part-time in the construction sector, accounting for 10.96% of total Northern Territory employment. The majority of employees in the construction sector were employed as technicians, trades workers and labourers.

Sector contribution to regional development and Indigenous employment

The majority of construction businesses are located in Darwin City and Palmerston-East Arm; however, there is still a strong regional presence with 45% of Northern Territory construction businesses located outside of the Greater Darwin area. The table below shows the location of construction businesses in the Northern Territory.

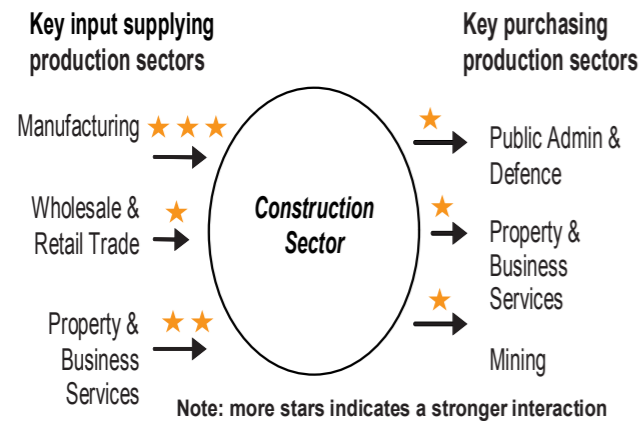
Number of construction businesses by Statistical Sub-division (SSD) in 2009

| NT SSD | Business Count |
|-----------------------|----------------|
| Darwin City | 1186 |
| Palmerston – East Arm | 439 |
| Litchfield Shire | 548 |
| Finniss | 27 |
| Alligator | 3 |
| East Arnhem | 61 |
| Lower Top End | 141 |
| Barkly | 39 |
| Central NT | 371 |
| Unknown NT | 182 |
| Total | 2997 |

Source: ABS Cat. 8165.0

Sector linkages

The construction sector linkages with other production sectors of the Northern Territory economy are shown below. The strongest link is to the manufacturing sector and property and business services sector.



Source: Murti, S 2003. Inter-Sectoral Linkages in the Northern Territory Economy, DBERD

Impact of large projects

Engineering construction in the Northern Territory has been volatile over the early part of this decade in response to 'mega-projects' including Bayu-Undan oil and gas, and the Alice Springs-Darwin railway construction.

Assessment studies of the construction sector indicate value-of-work-done can be misleading in terms of its actual benefit to the Northern Territory economy, as economy-wide benefits may be diminished by factors such as high levels of imported inputs from overseas or interstate and utilisation of fly-in fly-out (FIFO) labour.

The upcoming construction of a new \$34 billion LNG plant and pipeline by is expected to employ up to 3000 people during the peak construction phase. The project will also have a significant flow-on effect on the Northern Territory economy with a Local Industry Participation Plan sourcing goods and services from local businesses wherever possible when construction commences.

Government activity in the construction sector

The construction sector will continue to be supported by the Territory Government's record capital expenditure programs, the final stages of the Australian Government's \$42 billion Jobs Plan and Nation Building Economic Stimulus Plan and the joint Strategic Indigenous Housing and Infrastructure Program.

Infrastructure Australia will develop Australia's future infrastructure needs and, in partnership with the states, territories, local government and the private sector, facilitate its implementation.

Power and Water Corporation's \$1.8 billion capital investment program over the next 5 years will include investment in infrastructure, power generation and network assets.

The Department of Lands and Planning is responsible for strategic land use planning and also administers legislation covering the building industry in the Territory, including registration of domestic dwelling builders, plumbers and electricians.

The Department of Construction and Infrastructure executes government construction programs, civil construction and major projects.

The Major Projects, Asian Relations and Trade Unit, of the Department of the Chief Minister, is responsible for coordinating Territory Government involvement in major projects.

Territory Business Centres, located in major regional centres, are the initial contact and referral point for starting a business, business and industry licence information, business planning assistance and links to departmental assistance programs.

The Northern Territory Government has implemented various regulations in the construction sector to protect consumers and workers, and further increase the level of professionalism in the industry. Examples include security of payments to construction contractors and portable long service leave reforms, along with home warranty insurance and builder registration for residential construction.

Northern Territory construction sector overview

Value-of-work-done (year to December 2011)

| | |
|--------------------------|----------------|
| Engineering construction | \$1295 million |
| Building construction | \$886 million |

Total value \$2.18 billion

2010–11 industry statistics

Industry gross value added

\$1.75 billion – 10.7% of Gross State Product (GSP)

Employment

12 365 – 10.1% of NT employment

Number of businesses (June 2009)

3000

For further information:

Economics and Policy Branch
 Department of Business and Employment
 +61 8 8999 5139

Information current as at 10 March 2012



REFERENCES

A Safe Territory

www.safeterritory.nt.gov.au

A Smart Territory

www.smartterritory.nt.gov.au

Darwin Business Park

www ldc nt gov au / industrial / index shtml

Darwin Waterfront

www.waterfront.nt.gov.au

Great Territory Lifestyle

www.lifestylent.nt.gov.au

Greening the Territory

www.greeningnt.nt.gov.au

Growing the Territory

www.growingnt.nt.gov.au

Healthy Territory

www.healthynt.nt.gov.au

Housing the Territory

www.housingnt.nt.gov.au

Land release

www.housingnt.nt.gov.au

Middle Arm

www.inpex.com.au

Mining developments in the NT

www.orestruck.nt.gov.au

Strategic Indigenous Housing and Infrastructure Program (SIHIP)

www.housing.nt.gov.au/remotehousing/sihp

Territory 2030

www.territory2030.nt.gov.au

Tiger Brennan Drive

www.nt.gov.au/infrastructure/projects/tbd

Working Future

www.workingfuture.nt.gov.au

CONTACT

This publication is managed by the Infrastructure Services Division of the Northern Territory Government's Department of Construction and Infrastructure.

P: +61 8 8924 7300

E: constructionsnapshot.dci@nt.gov.au

Office location

1st Floor, Chan Building
State Square
DARWIN NT 0800

Postal address

PO Box 61
PALMERSTON NT 0831

www.nt.gov.au/constructionsnapshot