

LITCHFIELD COUNCIL



Community effort is essential

Council Meeting BUSINESS PAPER WEDNESDAY 12/12/2018

Meeting to be held commencing 6:30pm
In Council Chambers at 7 Bees Creek Road, Freds Pass

Kaylene Conrick, Chief Executive Officer

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



LITCHFIELD COUNCIL MEETING

Notice of Meeting

to be held in the Council Chambers, Litchfield
on Wednesday, 12 December 2018 at 6:30pm

Kaylene Conrick
Chief Executive Officer

Number	Agenda Item	Page
1	Opening of Meeting	1
2	Acknowledgement of Traditional Owners	1
3	Apologies and Leave of Absence	1
4	Disclosures of Interest	1
5	Confirmation of Minutes	1
6	Business Arising from the Minutes	
6.1	Action Sheet	2-8
7	Presentations	9
8	Petitions	9
9	Public Forum	9
10	Accepting or Declining Late Items	9
11	Notices of Motion	9
12	Mayors Report	
12.1	Mayor's Report	10-11
13	Reports from Council Appointed Representatives	12
14	Finance Report	13
14.1	Finance Report November 2018	14-43
15	Officers Reports	44
15.1	Tree Hazard Inspection Report	45-151
15.2	Freds Pass Road Subdivision Place Name Report – Park Name	152-154
15.3	670 Letchford Road Subdivision – New Road Name	155-157

15.4	Request to Lease Council Land at 185 Trippe Road and/or 125 Kostka Road, Humpty Doo for Telecommunications Tower	158-176
15.5	December 2018 Summary Report Planning and Mining	177-185
15.6	NT Australia Day Council 2019 Annual Event	186-187
15.7	Appointment of Committee Member to the Howard Park Reserve Committee	188-190
15.8	Playground Audits at Council's Recreation Reserves	191-196
16	Common Seal	197
17	Other Business	197
18	Public Question	197
19	Confidential Items	197
19.1	Litchfield Women in Business Network – Appointment of Community Members to Committee	
19.2	Rating Policy Review – Appointment of Community Members to Community Reference Group	
19.3	Business Case Community and Business Hub	
20	Close of Meeting	197



COUNCIL AGENDA

LITCHFIELD COUNCIL MEETING

Wednesday, 12 December 2018

1. Open of Meeting

Audio Disclaimer

An Audio recording of this meeting is being made for minute taking purposes as authorised by the Chief Executive Officer.

2. Acknowledgement of Traditional Ownership

Council would like to acknowledge the traditional custodians of this land on which we meet on tonight. We pay our respects to the Elders past, present and future for their continuing custodianship of the land and the children of this land across generations.

3. Apologies and Leave of Absence

THAT Council notes and approves:

Leave of Absence	Cr {Insert}	{dates}
Apologies	Cr {Insert}	{date}

4. Disclosures of Interest

Any member of Council who may have a conflict of interest, or a possible conflict of interest regarding any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.

5. Confirmation of Minutes

THAT the full minutes of the Council Meeting held 17 November 2018, 10 pages, be confirmed.

Minutes have been distributed under separate cover and are publicly available on Council's website <http://www.litchfield.nt.gov.au/council/council-meetings/council-minutes> or in hard copy by request.

6. Business Arising from the Minutes

THAT Council receives and notes the Action Sheet.

Resolution Number	Resolution	Action Officer	Meeting Date	Status
15/0175/02	<p>Meeting Procedures By-Laws</p> <p>THAT Council instruct the Acting Chief Executive Officer to begin negotiating with Parliamentary Counsel on the drafting of Meeting Procedures By-Laws for Litchfield Council.</p>	CEO	19-11-15	Meeting held with Department of Housing and Community Development (Local Government Division) to discuss draft By-laws received from Parliamentary Counsel. Draft By-Laws are reviewed against drafting instructions.
16/0203	<p>Signage, Roadside Vans and Events on Council Land</p> <p>1. Endorse a position that no approvals will be given for signage, roadside vans or events on council owned land until such time as appropriate policy, procedures and by-laws are developed. This excludes Council Reserves which are run under management by committee or under lease to an incorporated body;</p> <p>2. Develop Council by-laws to cater for the regulation of a permit system for signage within the municipality and roadside vans and events on council owned land;</p> <p>3. Develop policy and procedures to support any Council by-laws which are enacted; and</p> <p>4. To commence work on these by-laws, policy and procedures in 2017/18 financial year.</p>	DCCS	21-09-16	On hold until Meeting By-Laws are progressed.

16/0061	<p>Acquisition Application of Mira Square - Section 0368 (24) Aldridge Street, Southport</p> <p>THAT Council: endorses the Acquisition Application of Mira Square, at Section 0368 (24) Aldridge Street, Southport; approves the allocation of a \$20,000 grant to the Southport Progress Association as seed funding for the financial year 2016/17; and allocates \$10,000 annually, commencing in 2017/18 as an operating grant to the Southport Progress Association to manage Mira Square.</p>	DIO	20-04-16	<p>Staff have been working with SPA and Crown Land Estate on an application for acquisition of Crown land. A master plan and costings are being reviewed in consultation with SPA to determine the best proposal for the site. Council have been briefed with outcomes to be determined prior to proceeding with an application for Crown land.</p>
17/0036/4	<p>Litchfield Aquatic Facility Needs Analysis Report</p> <p>THAT Council engages the Northern Territory Government to work together to address the gap in aquatic services in the southern part of the Litchfield municipality, in particular the provision of Learn to Swim facilities.</p>	CEO	15-02-17	<p>Council is seeking external funds to contribute to the next stage of this project which is undertaking a full feasibility study including detailed design and costing.</p> <p>Council preparing application for second Special Purpose Grant round in early 2019.</p>
1718/234	<p>Parkin Road Widening Through Road Opening</p> <p>THAT Council: 1. resolved to proceed with the road opening process for a 5m wide strip of Section 674, Hundred of Cavenagh to form part of the Parkin Road road reserve; 2. advertise for a period of 28 days and publish the required notifications under the Local Government Act to advise the public of Council's intention to open this section of road; 3. approve the issue of the required Government Gazette notice; and 4. authorise all appropriate documents to be signed and common seal affixed by the Mayor and Chief Executive Officer for the opening of the new access road.</p>	DIO	16-05-18	<p>Council have made a submission to the Minister of Housing and Community Development to open the road which involves their approval and inclusion in the NT Gazette. This is an administration requirement that needs to occur prior to titles and the lease being able to be finalised. The timing of a response is at the Minister's discretion.</p>

Berry Springs Water Advisory Committee - Council Representative					
1718/240	THAT Council appoints Councillor Barden as its nominated representative to lodge an Expression of Interest for the Northern Territory Government Department of Environment and Natural Resources Berry Springs Water Advisory Committee.	CEO	16-05-18	Nomination sent in by 30 May 2018. Waiting on confirmation from the department / pending ministerial approval.	
Land Acquisition and Road Opening associated with the Realignment of Freds Pass Road between Beaumont Road and Strangways Road					
1718/261	THAT Council: 1. approve the purchase of 780m2 from Lot 7 (150) Freds Pass Road at a cost of \$10,000, upon signed agreement from the landowner and upon the conclusion of the road opening process; and 2. proceed with a road opening over this portion of land and authorise all appropriate documents to be signed and common seal affixed by the Mayor and Chief Executive Officer for the opening of the new road reserve.	DIO	27-06-18	Agreement received from land owner. A cadastral survey plan is being prepared to enable the road opening process to occur. Upon completion of the road opening, Council will make payment to the land owner.	
Improving the Productivity of the Mango Industry Project					
1718/267	THAT Council: 1. receives and notes the Business Case Improving the Productivity of the Mango Industry in Litchfield Municipality; 2. endorses seeking external funding to realise the Improving the Productivity of the Mango Industry Project (the sealing of 15.2kms of the four key mango industry roads), estimated to cost approximately \$20.1m; 3. provides in-principle support to contribute up to \$5m to the project. This in-principle support would require a Council resolution and budget allocation, at a later date, to proceed with the project; and 4. endorses the Improving the Productivity of the Mango Industry Project, as one of Council’s Top 3 Advocacy Projects.	CEO	27-06-18	Investigation of funding opportunities through territory and federal government.	

Public Library Services in Litchfield Municipality

THAT Council:

1. authorises the Chief Executive Officer to enter into a five-year funding agreement to provide Litchfield public library services provided that the following occurs:
 - a. transition funds supporting the transfer of library services are provided by Northern Territory Library, as negotiated to the satisfaction of Council represented by the Chief Executive Officer;
 - b. a Memorandum of Understanding is signed with Taminmin College for the public library space under the same arrangement currently enjoyed by Northern Territory Library, at no additional cost;
 - c. the transfer of the Taminmin Community Library service to Council occurs no later than 1 January 2019;
2. writes to Northern Territory Library to advise of Council's decision;
3. authorises the Chief Executive Officer to explore service delivery options with neighbouring councils to provide an efficient and effective library service for Litchfield residents, including alternative facility locations for the future; and
4. receives an update report at a future Council meeting on progress made on the points above.

1819/020

DCCS

18-07-18

NT Library advised of Council's decision in writing 19 July 2018.

Funding Agreement with NTL and Memorandum of Understanding with Taminmin College Board signed by CEO.

Report with updates presented at November Council Meeting. Exchange of letters with City of Palmerston for shared services for twelve (12) month period.

Litchfield Council Bendigo Bank 2018 Youth Forum

THAT Council:

1819/038	<ol style="list-style-type: none"> 1. receives and notes the Event Record Report for the Litchfield Council Bendigo Bank 2018 Youth Forum; 2. determines to develop a Youth Policy in time for it to launch as part of 2019 Northern Territory Youth Week; 3. writes to the Bendigo Bank Board, as the sponsor of Council's Youth Event to provide the Board with a report on the youth event and sharing the students interest in small business enterprise learning and to thank the Bendigo Bank again for its sponsorship; and 4. provides a letter of thank you to the three schools that attended the Youth Forum and invite the schools to be involved in the development of a Youth Policy. 	DCCS	15-08-18	<p>Policy development in progress.</p> <p>Conversations with youth groups and youth service providers have commenced.</p> <p>Policy to be presented to March 2019 Council Meeting.</p>
----------	---	------	----------	--

December Council Meetings

1819/062	THAT Council brings forward future December ordinary Council meetings to the second Wednesday to avoid holding a meeting in the week leading up to Christmas.	CEO	26-09-18	Complete. Website updated and promoted on Facebook.
----------	---	-----	----------	---

Southport Drainage Planning Study Revision

1819/063	<p>THAT Council</p> <ol style="list-style-type: none"> 1. approves to undertake stormwater modelling of the entire townsite of Southport; 2. notes that a further report will be provided to Council following the modelling to review the level of road immunity for stormwater to be accepted, and the potential staging areas for design purposes; and 3. undertakes maintenance of table drains and stormwater infrastructure within Southport by the end of October 2018 or as soon as possible. 	DIO	26-09-18	<ol style="list-style-type: none"> 1. Stormwater modelling commenced. 2. Report regarding model and recommended approach scheduled for January 2019. 3. Maintenance works have been completed.
----------	--	-----	----------	---

Rating Policy Review Project				
1819/067	<p>THAT Council:</p> <ol style="list-style-type: none"> 1. approves the Rating Policy Review Project Plan with all relevant timelines; 2. establishes a Rating Policy Review Community Reference Group in line with the Terms of Reference attached to this report; and 3. receives a further report for the appointment of the Community Reference Group members no later than the December 2018 ordinary Council meeting. 	DCCS	26-09-18	<p>Expression of Interest for Community Reference Group closed.</p> <p>Appointment of members at December Council Meeting.</p>
Street Lighting Update				
1819/068	<p>THAT Council:</p> <ol style="list-style-type: none"> 1. notes the replacement of street light luminaires with LED, including for maintenance activities and as a requirement of new works; 2. notes the preparation of a four-year LED luminaire replacement program for consideration in the 2019-20 budget; 3. notes the intent to install smart control systems within the Litchfield Municipality as part of the LED replacement program; and 4. endorses the preparation of a Street Lighting Policy to be presented to Council by February 2019. 	DIO	26-09-18	<ol style="list-style-type: none"> 1. Complete 2. Draft prepared, to be finalised for budget consideration. 3. Smart control system procurement process is underway. 4. Street Lighting Policy scheduled for Council consideration in February 2019.
Humpty Doo Rural Activity Centre Area Plan Stage 2 Consultation				
1819/107	<p>THAT Council:</p> <ol style="list-style-type: none"> 1. endorses the comments provided in Attachment C Letter of Comments on Stage 2 Consultation for Humpty Doo Rural Activity Centre Area Plan; and 2. writes to the Minister of Infrastructure and Planning expressing concerns over the process of developing the Humpty Doo Rural Activity Centre Area Plan. 	DIO	21-11-18	<p>Comments have been provided to the NTPC and a letter to the Minister is being prepared.</p>

2018 Palmerston and Rural Seniors Fortnight Evaluation Report				
THAT Council:				
1819/108	1. receives and notes the Palmerston & Rural Seniors Committee 2018 Seniors Fortnight Evaluation Report; and 2. writes to the Palmerston & Rural Seniors Committee Inc. to congratulate the Committee on a successful 2018 festival.	DCCS	21-11-18	Letter being drafted for Mayors signature.
FIN03 Procurement Policy				
1819/109	THAT Council adopt the updated FIN03 Procurement Policy, as attached to report 18/0169.	DCCS	21-11-18	Complete. Policy Register and Council's Website updated.



COUNCIL AGENDA

LITCHFIELD COUNCIL MEETING

Wednesday, 12 December 2018

7 Presentations

8 Petitions

9 Public Forum

10 Accepting or Declining Late Items

11 Notices of Motion

12 Mayors Report

12.1 Mayor's Report



COUNCIL REPORT

Agenda Item Number: 12.1
Report Title: Mayor's Monthly Report
Report Number: 18/0179
Meeting Date: 12/12/2018
Attachments: Nil

Purpose

A summary of the Mayor's attendance at meetings and functions representing Council for the period 22 November 2018 to 12 December 2018.

Summary

Date	Event	Comment
23 November 2018	Territory FM	Regular Radio Interview
25 November 2018	Berry Springs Market	Regular event
27 November 2018	Howard Water Advisory Committee Meeting	Scheduled meeting
	Australia Day Event Committee Meeting	Scheduled meeting
28 November 2018	NT Masterbrand and Population Growth Area	Meeting with representatives from the Chief Minister Department discuss the new NT Masterbrand and the Population Growth Action Plan and including the Welcome to the Territory Incentive Program
	Taminmin Whole School Award	End of year event
29 November 2018	ABC Interview	Mango Roads Strategic Project
	PRBA Annual General Meeting	Annual event
30 November 2018	Territory FM	Regular Radio Interview
1 December 2018	Rural Churches Carols by Candlelight 2018	Annual event
4 December 2018	Litchfield Women in Business (LWIB) Monthly Morning Tea	Monthly event
	Civic Function – In honour of Miriam McDonald	

Date	Event	Comment
5 December 2018	Mayor's Briefing Update with Local Members	Aquatic Facility and Public Library Service
7 December 2018	Territory FM	Regular Radio Interview
11 December 2018	Waste Recycling Industry Association (WRINT) Breakfast Seminar	Annual event
12 December 2018	LGANT Executive Meeting	Scheduled meeting
	St Francis of Assisi Primary School	End of year event
	Friends of Taminmin	Scheduled meeting
	Litchfield Australia Day Selection Committee Meeting	Schedule meeting

Recommendation

THAT Council receives and notes the Mayor's monthly report.



LITCHFIELD COUNCIL MEETING

Wednesday, 12 December 2018

Council Appointed Representatives provide a verbal update on activities over the past month relating to the committees to which the Councillor has been formally appointed.

13 Verbal Reports from Council Appointed Representatives

Cr Barden	-	Freds Pass Upgrade Reference Group
Cr Simpson (apology)	-	Freds Pass Sport & Recreation Management Board (Observer)
	-	Freds Pass Rural Show Committee
Cr Salter	-	Howard Park Reserve Committee
	-	Knuckey Lagoon Reserve Committee
Mayor Bredhauer	-	Howard East Water Advisory Committee
	-	Litchfield Women in Business Network Committee
	-	Chair - Litchfield Australia Day Event Committee
	-	Local Government Association of the Northern Territory (LGANT)

Activity Area Plans

Mayor Bredhauer	Coolalinga/Freds Pass Rural Activity Centre Area Plan Community Advisory Committee
Mayor Bredhauer Cr Barden	Humpty Doo Rural Activity Centre Area Plan Community Advisory Group

RECOMMENDATION

THAT Council note the Councillors' verbal report.



COUNCIL AGENDA

LITCHFIELD COUNCIL MEETING

Wednesday, 12 December 2018

14 Finance Report

14.1 Litchfield Council Finance Report November 2018



COUNCIL REPORT

Agenda Item Number:	14.1
Report Title:	Litchfield Council Finance Report – November 2018
Report Number:	18/0185
Meeting Date:	12/12/2018
Attachments:	Nil

Purpose

The purpose of this report is to present the monthly finance report for the period ended 30 November 2018.

Recommendation

THAT Council receives the Litchfield Council Finance Report for the period ended 30 November 2018.

Background

This report comprises the original budget along with the end of year forecast and monitors the YTD actual revenue and expenses as at 30 November 2018. End of Year Forecasting includes both projects carried over from the prior financial year and current budget year variations.

The forecast for total revenue is \$2,275,713 in excess of the annual budget. This equates to 12% in additional income above budget mainly due to \$2,133,368 in grants received from NT and Federal Government for general purpose and roads funding, in addition to the January 2018 Monsoonal Trough NDRRA funding for the repair of flood damaged roads. Furthermore, with rates levied for the entire financial year, the remaining forecasted rates and charges is attributed to the growth in rateable properties under development and prepayments of rates paid in-excess of amounts levied.

The forecast for total operating expenses is \$91,622 in excess of the annual budget, equating to 0.7% in further expenses above budget. This is an additional \$14,878 in expenses from the forecast reported in October 2018 Finance Report. The monthly forecast variance is a result of a combination of factors including a reduction in expected employee costs due to the Customer Service Trainee position no longer going ahead in the 2018/19 financial year and a decrease in waste disposal and transportation costs within Waste Management. These savings are offset against increased repair costs to maintain and upkeep machinery at the Thorak Regional Cemetery and Waste Transfer Stations, an increase in Cemetery operations, equipment hire and water charges at the Howard Springs Waste Transfer Station due to a fire threatening the influx of green waste stored at the transfer station.

The forecast for capital expenses is \$4,234,394 in excess of the annual budget, equating to 64% in additional expenditure above budget. This represents a reduction of \$131,235 in capital expenses compared to the forecast reported in October 2018 mainly due to a reduction in grant funding for the upgrade of Howard Park Playground and identified savings in the following acquisitions:

- Installation and purchase of safety rails along Hicks and Leonino Road;
- Vibrating Waste Compactor for Waste Management;
- Tractor and mower purchase for Mobile Workforce.

In summary, the 2018/19 forecasted result remains favourable by \$2,184,091 compared to Council's annual budget, representing an increase of \$19,761 compared to the forecast reported in October 2018 Finance Report.

Finance Report

November 2018

**LITCHFIELD
COUNCIL**



Community effort is essential

Contents

SECTION 1	5
CONSOLIDATED FINANCIAL STATEMENTS	5
CONSOLIDATED OPERATING STATEMENT	5
CONSOLIDATED BALANCE SHEET at 30 November 2018	6
SECTION 2	8
OPERATING POSITION BY DEPARTMENT	8
NEW INITIATIVES	9
CAPITAL BUDGET POSITION	10
SECTION 3	15
CASH ON HAND & INVESTMENTS	15
FINANCIAL RESERVES	16
SECTION 4	17
DEBTORS	17
SUNDRY DEBTORS	17
FINES AND INFRINGEMENTS	17
OUTSTANDING RATES	18
SECTION 5	20
FINANCE KEY PERFORMANCE INDICATORS (KPI)	20
SECTION 6	21
CREDITORS PAID	21
CREDIT CARD TRANSACTIONS	29

SECTION 1

CONSOLIDATED FINANCIAL STATEMENTS

The consolidated Financial Statements, including Thorak Regional Cemetery operations, are presented in the same format as the full set of *End of Financial Year Statements*, reported in Litchfield Council's Annual Report, for greater transparency.

The statements include total revenue, both operational and capital but only operational expenditure. Capital expenditure is capitalised as Infrastructure, Property, Plant & Equipment in the Balance Sheet upon completion of the projects.

CONSOLIDATED OPERATING STATEMENT

	2018/19 Budget	2018/19 Actual	2018/19 Forecast	Forecast Variance +ve (-ve)	Note
REVENUE					
Rates	10,243,216	9,939,321	10,269,084	25,868	1
Statutory Charges	70,250	109,862	135,680	65,430	2
User Charges	1,143,033	676,707	1,192,993	49,960	3
Grants, subsidies & contributions	6,522,099	4,418,049	8,655,467	2,133,368	4
Investment Income	686,250	353,644	686,250	0	
Reimbursements	0	0	0	0	
Other Income	60,000	22,875	61,087	1,087	5
TOTAL REVENUE	18,724,848	15,520,458	21,000,561	2,275,713	
EXPENSES					
Employee Costs	6,121,026	2,302,299	6,107,569	13,457	6
Auditor Fees	36,600	25,368	36,600	0	
Bad and doubtful Debts	0	0	0	0	
Elected Member Expenses	241,311	67,825	240,811	500	7
Election Expenses	0	0	0	0	
Cemetery Operations	300,200	192,889	326,905	(26,705)	8
Contractors	4,155,620	1,596,296	4,124,945	30,675	9
Energy	235,200	66,492	235,200	0	
Insurance	190,500	198,228	261,275	(70,775)	6
Maintenance	677,500	249,954	688,356	(10,856)	9 & 10
Legal Expenses	143,000	63,031	139,874	3,126	
Donations and Community Support	117,250	60,665	117,900	(650)	11
Computer / IT Costs	378,025	177,586	377,873	152	
Parts, accessories & consumables	265,000	54,055	272,103	(7,103)	12
Professional Services	612,870	233,720	622,241	(9,371)	13
Sundry	422,185	203,895	436,257	(14,072)	14
TOTAL EXPENSES	13,896,287	5,492,303	13,987,909	(91,622)	
RESULT	4,828,561	10,028,155	7,012,652	2,184,091	

Explanations for Forecast variances to Original Budget

Note 1 – Additional revenue applied from a change to the calculation base for Mining Tenements and an increase in residential properties charged with the Waste Management Charge.

Note 2 - Dog registrations received to date are above budget, resulting in additional income forecasted to 30 June 2019.

Note 3 – Forecasted increase in Cemetery and Interment Fees in addition to an incline in expected revenue from the Non-Resident Administration Fee at Thorak Regional Cemetery.

Note 4 - The NDRRA funding for January Monsoonal Trough is approved with funding provided for Council's four affected roads totalling \$1,848,975. In addition, an increase of \$273,455 compared to budget in Federal Assistance Funding for general purpose and local road expenditure is approved, with additional developer contributions from subdivisions.

Note 5 – Other income generated from the Shared Services Agreement with other Councils. i.e. Coomalie Town Council

Note 6 - Increased insurance premiums of \$72,844 above annual budget. This is offset against savings of \$15,000 with the Customer Service Trainee new initiative no longer going ahead in the 2018/19 financial year.

Note 7 – Savings expected in telephone charges for Elected Members.

Note 8 – Additional expenditure attributed to additional legal costs and motor vehicle / plant repair costs at Thorak Regional Cemetery.

Note 9 – Identified savings in Waste disposal and transportation costs offset against additional expenditure in the maintenance and upkeep of machinery.

Note 10 – An additional \$100 actual expenditure required for each playground audit at Council's Recreational Reserves.

Note 11 – An increase in Cemetery infant subsidy provided for by Council.

Note 12 – Slight increases across Regulatory Services for its consumables and the replacement of two VHF Portable Radios acquired for use at the Waste Transfer Stations.

Note 13 – Professional Fees for consultancy services at Thorak Regional Cemetery and Council Leadership, however in Council Leadership this increase is contained and offset against identified savings within Contractors, Computer/ IT Costs and sundry expenditure.

Note 14 – An increase in equipment hire and water charges at the Howard Springs Waste Transfer Station due to fire danger.

CONSOLIDATED BALANCE SHEET at 30 November 2018

	31 October 2018	30 November 2018	Movement +ve (-ve)
CURRENT ASSETS			
Cash & Cash Equivalents	1,502,861	3,238,519	1,735,658
Trade and Other Receivables	7,256,043	4,855,233	(2,400,810)
Other Financial Assets	23,502,760	22,483,275	(1,019,485)
TOTAL CURRENT ASSETS	32,261,664	30,577,027	(1,684,637)
NON CURRENT ASSETS			
Infrastructure, Property, Plant & Equipment	315,500,765	310,702,848	(4,797,917)
Other Non-Current Assets	4,729,674	6,101,819	1,372,145
TOTAL NON CURRENT ASSETS	320,230,439	316,804,667	(3,425,772)
TOTAL ASSETS	352,492,103	347,381,694	(5,110,409)
CURRENT LIABILITIES			
Trade and Other Payables	1,712,071	1,280,955	431,116
Provisions	618,053	605,413	12,640
TOTAL CURRENT LIABILITIES	2,330,124	1,886,368	443,756
NON CURRENT LIABILITIES			
Provisions	391,079	391,079	-
TOTAL NON CURRENT LIABILITIES	391,079	391,079	-
TOTAL LIABILITIES	2,721,203	2,277,447	443,756
NET ASSETS	349,770,899	345,104,247	(4,666,653)
EQUITY			
Accumulated Surplus	32,234,810	27,568,158	(4,666,653)
Asset Revaluation Reserve	295,859,891	295,859,891	-
Other Reserves	21,676,198	21,676,198	-
TOTAL EQUITY	349,770,899	345,104,247	(4,666,653)

Cash and cash equivalents have increased by \$1,735,658 due to redemption of a term deposit and receipt of grant funding. These funds are available for payments of outstanding invoices to contractors and suppliers.

Other Financial Assets have reduced by \$1,019,485 due to a singular term deposit redemption.

Trade and Other Receivables have decreased by \$2,400,810 from 31 October 2018 due to payment of Rates and Charges with the first instalment due and payable, in addition to invoiced grant funding now received.

Infrastructure, Property, Plant & Equipment has decreased due to depreciation recognised to date.

Other Non-Current Assets represent the projects that remain work in progress as at 30 November 2018 ie. Freds Pass Reserve Capital Improvements and Freds Pass Road Infrastructure Upgrade as well as the capital projects commenced in the 2018/19 financial year and yet to be capitalised.

Estimate of Net Cash position and Current ratio

The current ratio measures the liquidity of an entity. It observes the ability to pay short-term liabilities (debt and payables) with its short-term assets (cash and receivables). If the ratio is less than 1:1 Council is unable to pay its liabilities. Best practice is for the ratio to be between 1.5 and 3.

As identified in Section 5 of this report, Litchfield Council's liquidity KPI is easily met with 30 November 2018 current ratio equalling 16.21.

Current ratio	=	<u>Current Assets (less: Provision for Doubtful debt)</u>	
		Current Liabilities	

=	<u>30,577,027</u>	=	16.21
	1,886,368		

Net Cash Position	=	30,577,027 – 1,886,368	=	\$28.7 million
-------------------	---	------------------------	---	----------------

SECTION 2

OPERATING POSITION BY DEPARTMENT

The 2018/19 rates and charges have been applied to properties and recognised in Council's accounts, which is reflected in both Finance and Waste Management year to date revenue totals.

Overall expenditures year to date are 38.9% of the annual budget. Some operational expenditures are not evenly spread across the financial year, with major operational road maintenance expenditure to occur close to the end of the financial year.

	2018/19 YTD Budget	2018/19 YTD Actual	2018/19 Annual Budget	2018/19 Annual Forecast	Forecast Variance +ve (-ve)	Note
REVENUE						
Finance	7,817,212	7,507,345	8,472,205	8,547,486	75,281	1
Works	1,351,611	777,762	2,583,776	2,752,386	168,610	1
Planning	21,595	42,918	51,836	56,780	4,944	2
Waste Management	2,929,773	2,955,837	3,048,423	3,053,122	4,699	3
Community	34,170	33,400	82,000	82,759	759	4
Regulatory Services	51,650	110,907	70,750	137,226	66,476	5
TOTAL REVENUE	12,206,011	11,428,169	14,308,990	14,629,759	320,769	
EXPENSES						
Council Leadership	479,725	402,317	953,231	953,231	0	
Corporate	207,535	167,116	489,335	489,335	0	
Information Services	229,640	192,504	509,486	509,486	0	
Finance	786,465	834,427	1,523,732	1,575,860	(52,128)	6
Works	1,349,845	1,117,984	3,101,389	3,101,389	0	
Planning	287,995	253,103	688,273	688,273	0	
Waste Management	1,168,916	1,043,547	2,765,452	2,765,452	0	
Community	683,520	578,122	1,430,995	1,431,395	(400)	7
Mobile Workforce	524,610	343,839	1,249,031	1,249,031	0	
Regulatory Services	152,675	147,058	364,614	369,741	(5,127)	8
TOTAL EXPENSES	5,870,926	5,080,017	13,075,538	13,133,193	(57,655)	
OPERATING RESULT	6,335,085	6,348,152	1,233,452	1,496,566	263,114	

Explanations for Forecast variances to Original Budget

Note 1 – An increase of \$232,681 compared to budget in the Federal Assistance Funding for general purpose and local road expenditure, equating to an increase of 4.8% from prior year. In addition to an incline in rates revenue generated from Mining Tenements of \$11,169, resulting from a change in the calculation base.

Note 2 – An incline in administration charges for subdivisions and developments.

Note 3 – Additional mulch sales and Waste Charges have raised the revenue expected from Waste Management.

Note 4 – An increase in grant funding for the Howard Park Reserve.

Note 5 – Additional dog registration income of \$55,000 forecasted and income from Coomalie Community Council for Regulatory Services assistance through the Shared Service Agreement between councils.

Note 6 – Increased insurance premiums of \$72,844 above annual budget, \$68,617 being Finance and the remainder Thorak Regional Cemetery. This is offset against savings of \$15,000 with the Customer Service Trainee new initiative no longer going ahead in the 2018/19 financial year.

Note 7 – An additional \$100 actual expenditure was needed for each playground audit at Council's Recreational Reserves.

Note 8 – Increase in costs associated with Regulatory Services operations, offset against additional revenue.

Explanations for YTD Actual variances to YTD Budget

The variances evident between YTD Budget and YTD Actuals are as a result of the following:

REVENUE

- The remainder of rates and charges budgeted is the prepayments of rates and \$60,000 attributed to growth in rateable properties.
- Federal Assistance Grants scheduled to be received for the Works Department are expected to be received early December 2018.
- An increase in subdivision and development fees.
- An increase in Animal Registrations for the period to November 2018.




EXPENSES

- Overall, timing of some expenditure costs varies to budget, mainly within Road Maintenance as a result of prioritising the large number of capital works projects.
- Still awaiting one invoice for an Insurance Premium, this is usually paid in July of each year.

NEW INITIATIVES

In addition to Council's year-on-year operating expenses Council resolved to undertake the following New Initiatives in 2018/19. The new initiatives expenditure is included in the operating result above. The table below highlights the expenditure compared to budget at the end of November 2018.

	2018/19 Budget	2018/19 Actuals	2018/19 Forecast	Comments	
<i>2017/18 and prior</i>					
Developer Contribution Plan Review	60,000	6,494	60,000	Review of works to be included in plan underway; review of catchments and legal advice will follow. Plan to be developed based on new catchments.	
TOTAL	60,000	6,494	60,000		
<i>2018/19</i>					
Online Demographic and Economic Information Products	12,000	12,000	12,000	Product purchased. Training and community information sessions under way.	
Aerial Photography for Geographical Information System (GIS)	30,000	20,000	30,000	Imagery loaded into Geographical Information System (GIS). All staff given access to the internet login for direct access and features. Review and follow up for May 2019.	
New GIS for Council	20,000	0	20,000	Investigation – quotations complete. Trial process underway.	
ICT Plan – UPS for Servers	5,000	0	5,000	Quotations complete. Awaiting tech assessment and project plan before purchase.	
ICT Plan – Vmware Sphere	8,000	0	8,000	Quotes are complete. Awaiting project plan before purchase.	
Trainee Customer Service Officer	15,000	0	0	Review of costings undertaken. Given negative budget implications the initiative will not be implemented in 2018/19. Review will be undertaken	

	2018/19 Budget	2018/19 Actuals	2018/19 Forecast	Comments	
				for the budget planning process for 2019/20.	
Tree Risk Management Plan	30,000	0	30,000	Scope for Request for Quote in early 2019.	
Aquatic Feasibility Study	50,000	0	50,000	Funding options are under investigation.	
Waste Transfer Station – Signage (Waste Strategy)	6,500	0	6,500	Not commenced, scheduled for early 2019.	
TOTAL	176,500	32,000	161,500		



- On Budget



- Watch Budget



- Outside Budget

CAPITAL BUDGET POSITION

The table below compares capital revenue and expenditure to budget by the end of November 2018.

	2018/19 Budget	2018/19 Actuals	2018/19 Forecast	Forecast Variance +ve (-ve)	Note
REVENUE					
Works	3,436,877	3,489,111	5,285,852	1,848,975	1
Planning	60,353	122,517	122,517	62,164	2
Mobile Workforce	60,000	21,789	60,000	0	
Community	81,181	0	69,970	(11,211)	5
TOTAL REVENUE	3,638,411	3,633,417	5,538,339	1,899,928	
EXPENSES					
Works	5,767,345	2,782,452	7,545,200	(1,777,855)	1
Waste Mgt	204,677	49,696	202,090	2,587	3
Mobile Workforce	188,000	134,096	584,096	(396,096)	4
Community	411,181	93,096	2,474,211	(2,063,030)	5
TOTAL EXPENSES	6,571,203	2,966,244	10,805,597	(4,234,394)	
CAPITAL RESULT	(2,932,792)	667,173	(5,267,258)	(2,334,466)	

Explanations for Forecast variances to Original Budget

Note 1 – NDRRA Funding approved for the January Monsoonal Trough. This funding will be offset against expenses as the works are carried out on affected roads (Brougham, Bundy, Finn Roads and Trippe Road North). This is offset against savings in projected expenditure for the installation and purchase of safety rails on Leonino and Hicks Roads, equating to \$71,120.

Note 2 – Additional developer contributions received from subdivisions.

Note 3 – Savings on the purchase of the Vibrating Waste Compactor for Humpty Doo Waste Transfer Station.

Note 4 – The Mobile Workforce Shed construction from 2015/16 Budget is forecasted to be completed in the 2018/19 financial year with tender documents currently underway. This \$450,000 is offset against savings of \$53,904 from the purchase of a new tractor and mower.









Note 5 – Increased expenditure due to grant funding received at the end of 2017/18 and current year forecast variances totalling \$2,063,030, comprising:













- Freds Pass Reserve Sporting Grant Funding totalling \$2,000,000
- Howard Park Reserve Kitchen Upgrade incurred additional cash contribution of \$5,000
- Howard Park Reserve Play Ground Upgrade Special Purpose Grant of \$69,970, a reduction of \$11,211 from initial budget. This is offset against grant revenue approved.
- Humpty Doo Village Green Furniture & Fittings Upgrade totalling \$33,824
- Council Office Solar System Installation remaining funds for 2018/19 is \$28,625
- Howard Park Reserve Irrigation upgrade remaining funds for 2018/19 is \$6,792.

CAPITAL PROJECTS 2018/19 – WORKS

The table below summarises Council's capital works program for the 2018/19 financial year in accordance with the budget and Municipal Plan. Council is continuing to work towards completing projects from 2017/18 financial year due to delays caused by Cyclone Marcus.

The Northern Territory Government has allowed the transfer of excess monies between Freds Pass Road Funding and Finn Road Funding totalling \$420,038.

Infrastructure Expenditure	Estimated Date of Completion	Budget	YTD Actuals	Forecast	Forecast Variance +ve (-ve)	Comment
Projects carried forward from previous years						
Freds Pass Road Upgrade	30/09/2018	1,220,500	774,005	800,462	(420,038)	 Works completed. Request to transfer \$26,457 to Finn Road Project
Finn Road Upgrade	30/11/2018	1,500,000	1,102,708	1,920,038	420,038	 Works underway - 70% complete.
Solar System Purchase and Installation	30/09/2018	78,720	37,534	78,720	0	 Work complete and connected, awaiting final invoice.
TOTAL		2,799,220	1,914,247	2,799,220	0	
Projects commencing in 2018/19						
Road Reseal Program	31/12/2018	1,000,045	814,721	1,000,045	0	 Reseal complete, awaiting final invoices.
Re-sheeting of Roads	30/06/2019	400,000	30,380	400,000	0	 Cyrus Road complete (awaiting invoice), remaining roads in 2019 following wet season.
Freds Pass Road Drainage Upgrade (BlackSpot)	30/06/2019	478,000	0	478,000	0	 Tender assessment underway.
Safety Rails – Leonino Road	30/09/2018	90,000	48,980	48,980	(41,020)	 Completed
Safety Rails – Hicks Road	10/09/2018	90,000	60,681	60,681	(29,319)	 Completed

Infrastructure Expenditure	Estimated Date of Completion	Budget	YTD Actuals	Forecast	Forecast Variance +ve (-ve)	Comment
Carruth Road Line-marking	30/06/2019	30,000	1,300	30,000	0	 Design complete, works scheduled for January 2019.
Oxford Road – Sealing	30/06/2019	400,000	0	400,000	0	 Works scheduled following wet season
Pavement repairs – Whitewood Road	30/06/2019	427,000	0	427,000	0	 Design complete, works scheduled for 2019 dry season.
Installation of Culverts on Pioneer Drv / Beddington Rd Intersection	30/06/2019	310,000	0	310,000	0	 Works underway - 70% complete.
Purchase of 3 x Traffic Counts	30/06/2019	18,000	10,909	18,000	0	 2 counters delivered, final counter to be ordered following review of program timing.
Irrigation Upgrade at Council Office	31/12/2018	6,800	0	9,800	3,000	 Orders raised.
Meeting room Door at Council Office	31/01/2019	11,000	0	8,000	(3,000)	 Orders raised for works in December.
Footpaths at Council Office	30/06/2019	36,000	0	36,000	0	 Design underway.
TOTAL		3,296,845	966,971	3,225,725	(70,339)	
NDRRA Projects commencing in 2018/19						
Finn Road flood damage repairs - NDRRA	30/06/2019	177,751	0	177,751	0	 Design complete, awaiting quotes.
Brougham Road flood damage repairs - NDRRA	30/06/2019	768,529	52,590	768,529	0	 Design complete, works scheduled for 2019 dry season.
Trippe Road North Flood damage repairs - NDRRA	30/06/2019	873,562	49,330	873,562	0	 Tender awarded, commencing early December.
Bundy Road floodway repairs - NDRRA	30/06/2019	29,133	0	29,133	0	 Orders raised for works.
TOTAL		1,848,975	101,920	1,848,975	0	



- On Budget






- Watch Budget



- Outside Budget

CAPITAL PROJECTS 2018/19 – WASTE TRANSFER STATIONS

The table below is Council's capital projects for Waste Transfer Stations in accordance with the Budget and Municipal Plan.

Waste Expenditure	Estimated Date of Completion	Budget	YTD Actuals	Forecast	Forecast Variance +ve (-ve)	Comment
Capital Purchases and projects commenced in 2018/19						
Vibrating Waste Compactor	31/12/2018	14,677	12,090	12,090	2,587	 Complete
Shade Structure at Howard Springs WTS	30/06/2019	60,000	0	60,000	-	 Scope preparation underway.
Gatehouse at Berry Springs WTS	30/06/2019	30,000	16,182	30,000	-	 Demountable under construction underway off site, installation in December.
Mains power connection / Water tank at Berry Springs WTS	30/06/2019	100,000	21,424	100,000	-	 PWC electrical connection approved, awaiting PWC to undertake works.
TOTAL		204,677	49,696	204,677	0	



- On Budget






- Watch Budget



- Outside Budget

CAPITAL PROJECTS 2018/19 – MOBILE WORKFORCE

The table below is Council's capital projects for Mobile Workforce in accordance with the Budget and Municipal Plan.

Mobile Workforce Expenditure	Estimated Date of Completion	Budget	YTD Actuals	Forecast	Forecast Variance +ve (-ve)	Comment
Capital Purchases commenced in 2018/19						
Tractor with loader replacement	31/12/2018	150,000	104,500	104,500	(45,500)	 Complete
Mower replacement	31/12/2018	38,000	29,596	29,596	(8,404)	 Complete
Projects carried forward from previous years						
Mobile Workforce Shed	30/06/2019	0	9,780	450,000	450,000	 Tender documents underway.
TOTAL		188,000	9,780	584,096	396,096	



- On Budget









- Watch Budget




- Outside Budget

CAPITAL PROJECTS 2018/19 – RECREATION RESERVES

The table below is Council's capital projects for Recreation Reserves still in progress from the 2017/18 and current financial year in accordance with the Budget and Municipal Plan.

Recreation Reserve Expenditure	Estimated Date of Completion	Budget	YTD Actuals	Forecast	Forecast Variance +ve (-ve)	Comment
Projects commenced in 2017/18 and 2018/19						
Howard Park Reserve – Irrigation Upgrade	31/12/2018	<u>2017/18</u> 20,000	13,612	20,000	-	 Special Purpose Grant – seeking quotes for final works.
Howard Park Reserve – Playground Upgrade	30/06/2019	81,181	0	69,970	(11,211)	 Special Purpose Grant application approved.
Howard Park Reserve – Kitchen Upgrade	31/12/2018	30,000	0	35,000	5,000	 Works commenced. To be completed by 10 December.
Humpty Doo Village Green – Furniture Upgrade	31/12/2018	0	0	33,824	33,824	 Works awarded and commencing 29 November.
Freds Pass Reserve – Improvements	30/11/2018	<u>2016/17</u> 3,000,000	2,633,479	3,000,000	-	 In Progress, requested extension to 30 June 2019.
Freds Pass Reserve – Sporting Improvements	30/06/2019	0	0	2,000,000	2,000,000	 Planning workshop for proposed scope scheduled 28 November.
TOTAL		3,131,181	2,647,091	5,158,794	2,027,613	

 - On Budget

 - Watch Budget

 - Outside Budget

SECTION 3

CASH ON HAND & INVESTMENTS

The table below represents a summary of the Cash on Hand & Investments held by Council at 30 November 2018 and compares the balance to the balance at 31 October 2018.

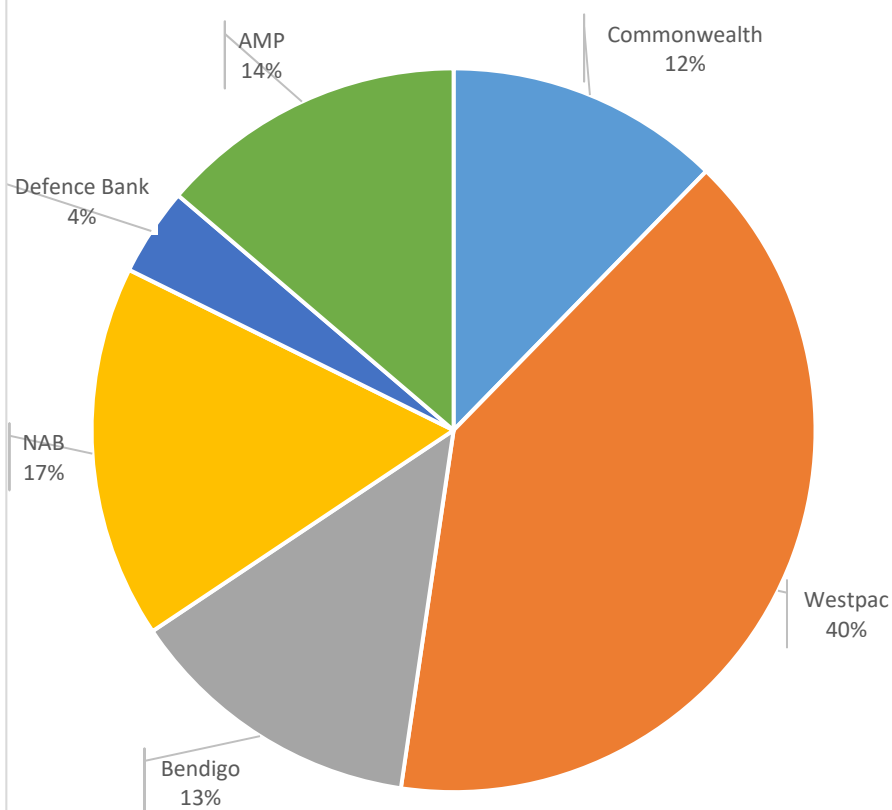
	31 OCTOBER 2018	30 NOVEMBER 2018	VARIANCE	COMMENT
Investments (Incl. Trust Account)	23,158,841	22,139,394	(1,019,447)	Term Deposit redemption – additional funds needed for weekly payments.
Business Maxi Account	408,505	2,003,592	1,595,087	Additional funds transferred to Operating Account for payments to Contractors.
Operating Account	196,781	953,346	756,565	Additional funds for payments to Contractors.
TOTAL	23,764,127	25,096,332	1,332,205	

Investments

Council invests cash from its operational and business maxi accounts to ensure Council is receiving the best return on its cash holdings.

Date Invested	Invested Amount	Days Invested	Invested with	Interest Rate	Due Date	Expected return to Maturity Date
15/06/2018	1,541,885	180	Bendigo	2.80%	12/12/2018	21,291
04/12/2017	1,226,128	365	Westpac	2.64%	04/12/2018	32,370
25/06/2018	242,823	182	NAB	2.81%	24/12/2018	3,402
27/06/2018	1,000,000	203	NAB	2.81%	16/01/2019	15,628
15/10/2018	1,500,000	106	Westpac	2.75%	29/01/2019	11,979
08/02/2018	1,000,000	365	CBA	2.64%	08/02/2019	26,400
17/07/2018	1,000,000	217	AMP	2.85%	19/02/2019	16,944
28/06/2018	1,500,000	252	AMP	2.93%	07/03/2019	30,344
19/03/2018	1,000,000	365	Westpac	2.70%	19/03/2019	27,000
01/10/2018	1,000,000	190	NAB	2.69%	09/04/2019	14,003
15/10/2018	1,000,000	183	Westpac	2.76%	16/04/2019	13,838
11/09/2018	1,071,785	238	CBA	2.70%	07/05/2019	18,869
31/05/2018	1,000,000	365	Defence Bank	2.85%	31/05/2019	28,500
15/10/2018	2,000,000	239	NAB	2.71%	11/06/2019	35,490
25/06/2018	1,500,000	365	Bendigo	2.80%	25/06/2019	42,000
27/09/2018	1,000,000	294	Westpac	2.75%	18/07/2019	22,151
03/09/2018	1,056,774	336	CBA	2.70%	05/08/2019	26,266
06/09/2018	1,000,000	365	AMP	2.80%	06/09/2019	28,000
27/09/2018	1,500,000	365	Westpac	2.81%	27/09/2019	42,150
TOTAL INVESTMENTS	22,139,394					456,625

TOTAL FUNDS BY INSTITUTION



FINANCIAL RESERVES

All movements throughout the year are based on the forecasted results to 30 June 2019.

	Balance at 1 July 2018	Transfer TO	Transfer FROM	Net Movement	Balance at 30 June 2019
Externally Restricted Reserves					
Developer Contribution Reserve	723,088	122,517	(80,882)	41,635	764,723
Unexpended Grants and Contributions	4,748,119	-	(4,748,119)	(4,748,119)	-
Internally Restricted Asset Related Reserves					
Asset Reserve	10,710,930	-	(1,102,105)	(1,102,105)	9,608,825
Internally Restricted Other Reserves					
Waste Management Reserve	4,156,475	289,471	(436,177)*	(146,706)	4,009,769
Election Reserve	100,000	-	-	-	100,000
Disaster Recovery Reserve	500,000	-	-	-	500,000
Strategic Initiatives Reserve	500,000	-	(90,000)	(90,000)	410,000
TOTAL	21,438,612	411,988	(6,457,283)	(6,045,295)	15,393,317

* \$225,000 for the construction of Mobile Workforce Shed for 2015/16 Budget has been forecasted into 2018/19 Budget.

SECTION 4

DEBTORS

SUNDRY DEBTORS

Total Sundry Debtors at 30 November 2018 are \$20,151 compared to \$1,220,756 at 31 October 2018, a reduction of \$1,200,605 mainly due to the Department of Infrastructure, Planning Logistics paying an outstanding invoice of \$1,200,000 on 29 November 2018.

Category	Current	30 Days	60 Days	90 Days and over	Balance
Waste	\$2,043	\$4,011	\$0	\$1,567	\$7,621
Infrastructure	\$840	\$0	\$88	\$9,127	\$10,047
Recreation Reserves	\$2,235	\$140	\$0	\$100	\$2,475
TOTAL	\$5,118	\$4,151	\$88	\$10,794	\$20,151
% of total sundry debtors	25.4%	20.6%	0.4%	53.6%	

Action summary of 90 Days Debtors:

Company under Administration – further advice regarding payment status to be received from Administrators (Allowance for Doubtful Debts is recognised)	\$5,907
Debtor on Payment Plan	\$820
No permit provided, until payment is received	\$2,400
Company under Administration	\$1,462
Resent Statement	\$105
Resent Statement	\$100
TOTAL	\$10,794

Please note, Sundry debtors exclude rate debtors and infringements.

FINES AND INFRINGEMENTS

At 30 November 2018 Council has 84 infringements outstanding with a balance of \$25,759, a reduction of \$614 in outstanding infringements compared to 31 October 2018 due to payments received and no new infringements raised.

	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
Number of Infringements outstanding	76	70	78	82	86	84
Balance of Infringements outstanding	\$27,133	\$27,570	\$26,569	\$25,273	\$26,373	\$25,759

Eighty-two (82) infringements have been sent to the Fines Recovery Unit (FRU), one (1) have received reminder notices and one (1) infringements have been issued recently.

All infringement courtesy letters have been sent in accordance with Council's policy.

OUTSTANDING RATES

Council's Debt Recovery Policy FIN05 guides the collection of outstanding rates. Recovery of rates continues to be an area of focus with Council's performance in recovering outstanding rates improving each month. Council continues to use the services of the current Debt Collector for rate assessments presently placed with them. Council's contract with the second debt collector has now been terminated. These assessments will be transferred to another debt collection company in due course to ensure debt continues to be recouped. Rates in arrears have decreased by \$60,598 in the month of November, even with the inclusion of an additional invoice for legal charges on-charged to specific assessments equating to \$38,202 adding to prior years' outstanding rates.

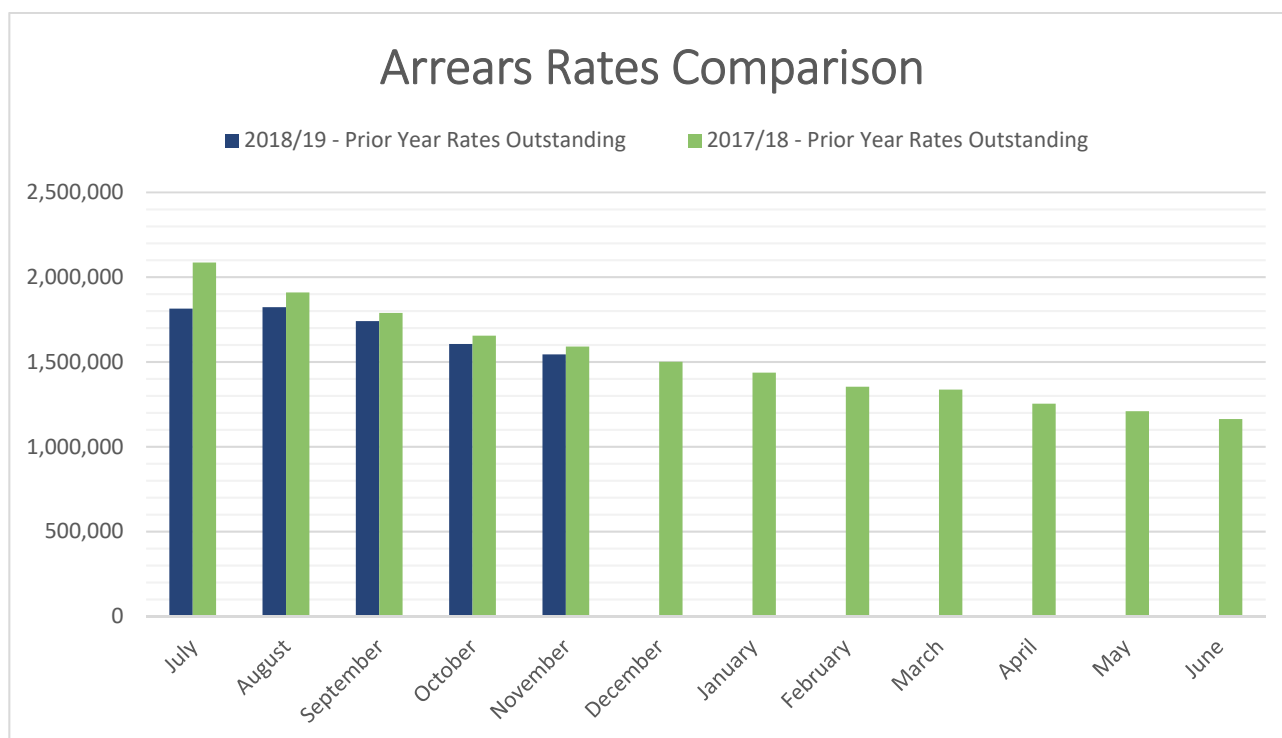
PRIOR YEAR RATES

The below table illustrates the split of prior years' outstanding rates:

	BEGINNING OF 2018/19 (30 JUNE 2018)	PREVIOUS MONTH (OCTOBER 2018)	CURRENT MONTH (NOVEMBER 2018)	MONTHLY VARIANCE
COMMERCIAL	\$50,725	\$34,537	\$33,870	(\$667)
MINING	\$65,629	\$72,087	\$75,940	\$3,853
NON-RATEABLE MINING	\$0	\$0	\$0	\$0
NON-RATEABLE WASTE	\$19,666	\$19,367	\$19,214	(\$153)
RURAL RESIDENTIAL	\$1,688,116	\$1,382,968	\$1,322,564	(\$60,404)
URBAN RESIDENTIAL	\$86,445	\$95,301	\$92,074	(\$3,227)
TOTAL	\$1,910,581	\$1,604,260	\$1,543,662	(\$60,598)

The graph below tracks the and prior years rates owing for the 2018/19 financial year by month and compares outstanding rates to the same time in the previous financial year 2017/18.

Prior Year Rates Outstanding in November 2018 are lower then the same time the year before.



CURRENT YEAR RATES

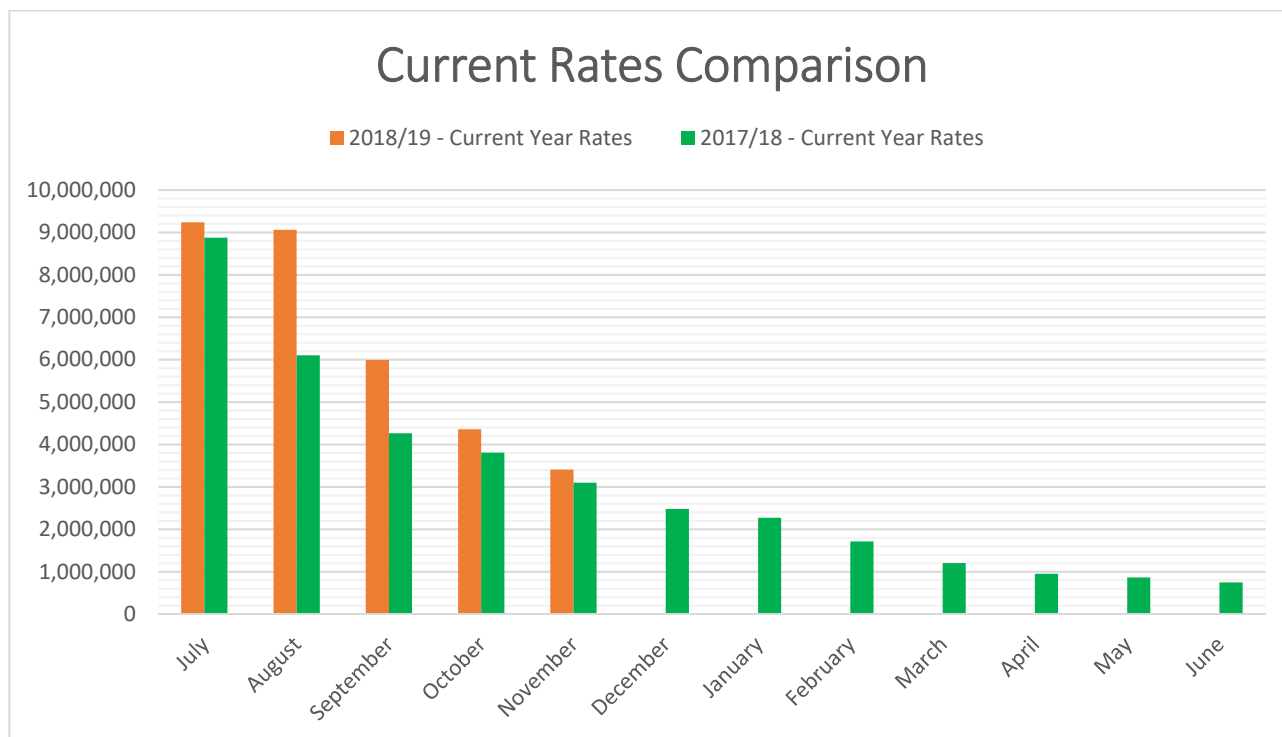
The below table illustrates the split of current year outstanding rates:

	PRIOR MONTH (OCTOBER 2018)	CURRENT MONTH (NOVEMBER 2018)	VARIANCE	DUE DATES
INSTALMENT 1	\$651,034	\$492,523	(\$158,511)	OVERDUE
INSTALMENT 2	\$1,784,846	\$1,185,728	(\$599,118)	30 November 2018
INSTALMENT 3	\$1,921,982	\$1,768,847	(\$153,135)	28 February 2019
TOTAL	\$4,357,862	\$3,447,098	(\$910,764)	

The second instalment of current year's rates is due and payable by 30 November with a total of \$1,185,728 still to be collected. Current year rates and charges collected in the month of November totalled \$910,764.

Combined in the second and third instalment amounts is \$17,462 in additional rates for fifteen new properties subdivided on Gallacher Road, Girraween and two new rateable properties from a subdivision on Stow Road, Howard Springs.









The graph below tracks the current years owing for the 2018/19 financial year by month and compares current outstanding rates to the same time in the previous financial year 2017/18.






SECTION 5

FINANCE KEY PERFORMANCE INDICATORS (KPI)

Council's 2018/19 Municipal Plan includes a number of KPIs for the Finance area to meet; these are listed and reported on in the table below.

Key Performance Indicator	Target	Status	Comment
Compliance with management, statutory and regulatory budgeting and reporting	100%		All budgeting and reporting are compliant to date
Monthly and annual financial reporting, including audit	Unqualified audit		Unqualified Audit Report received for the year ended 30 June 2018.
Current years rates outstanding as at 30 June 2019	<15%		Currently at 37.8% with two of three instalments due.
Rates coverage ratio – lowering Council's dependency on government grants and other funding sources.	>50%		Forecast coverage ratio is currently at 60.7%. This increase indicates that majority grants received by Council are amounts received specifically for new or upgrade assets, therefore withheld from the percentage calculation.
Liquidity ratio	>1:1		16.21:1 as at 30/11/2018
Current Ratio	>1		16.21 as at 30/11/2018
Debt Service Ratio	>1		Forecast is 0%
Asset sustainability ratio	60%		Forecast currently 93.5%. Depreciation forecast is \$11,557,620. This increase indicates that Council is replacing assets as they reach the end of their useful life. It does however, take into consideration the increased grant funding for capital project upgrades and new asset development alleviating the percentage above Council's expected level.

-  KPI met
-  KPI in progress, on track
-  KPI not met

SECTION 6

CREDITORS PAID

Creditor accounts paid in November 2018 are listed in the table below.

Cheque No.	Chq Date	Payee	Description	Amount
Payroll 10	7/11/2018	LC Staff	Payroll Fortnight ending 7 November 2018	139,398.60
Payroll 11	21/11/2018	LC Staff	Payroll Fortnight ending 21 November 2018	148,659.84
878.1137-01	01/11/2018	ALLAN KING & SONS CONSTRUCTION PTY LTD	Finn Road Drainage Upgrade – Progress Claim # 2	718,782.77
881.409-01	15/11/2018	F & J BITUMEN SERVICES PTY LTD	Prime and seal new culverts – Multiple locations – Litchfield Area	342,370.51
883.409-01	22/11/2018	F & J BITUMEN SERVICES PTY LTD	RFT18-168 Litchfield Council Reseal Various locations	341,490.51
885.1137-01	29/11/2018	ALLAN KING & SONS CONSTRUCTION PTY	Finn Road Drainage Upgrade - Progress Claim 1	236,116.74
883.129-01	22/11/2018	VANDERFIELD NORTHWEST PTY LTD	John Deere Tractor purchase with Power Guard Maintenance and extended warranty	128,923.30
885.374-01	29/11/2018	AUSTRALIAN TAXATION OFFICE (ATO)	PAYG Withheld - Cyc 1 & 2, Pay 11	49,938.00
885.280-01	29/11/2018	CITY OF DARWIN	OCT 18 - BSWTS, HDWTS and HSWTS Landfill fees	49,271.95
878.374-01	01/11/2018	AUSTRALIAN TAXATION OFFICE (ATO)	PAYG Withheld – CYC 1 & 2, Pay 9	47,888.00
883.374-01	22/11/2018	AUSTRALIAN TAXATION OFFICE (ATO)	PAYG Withheld – CYC 1 & 2, Pay 10	46,570.00
DD081118	12/11/2018	STATEWIDE SUPERANNUATION PTY LTD	Sep & Oct 18 – Super Pays 8 & 9	46,116.83
DD081118	12/11/2018	STATEWIDE SUPERANNUATION PTY LTD	Sep & Oct 18 - Super Pays 8 & 9	46,116.83
883.1076-01	22/11/2018	TDC (NT) PTY LTD – T/AS TERRITORY DEBT COLLECTORS	Debt Recovery Fees	38,357.43
881.132-01	15/11/2018	AIRPOWER NT PTY LTD	Purchase of new Kubota mower and replaced window on existing Kubota CC91UZ	33,252.59
879.827-01	08/11/2018	LITCHFIELD GREEN WASTE RECYCLERS	Grind green waste at Berry Springs WTS and Humpty Doo WTS	30,547.00
878.78-01	01/11/2018	POWER & WATER CORPORATION	Installation of Power supply to Berry Springs Waste Transfer Station and HDWTS water bill	24,938.43
879.971-01	08/11/2018	MUGAVIN CONTRACTING PTY LTD	Traffic Management & Road Repairs multiple locations – Litchfield Area	22,220.00
879.1465-01	08/11/2018	NEARMAP AUSTRALIA Pty Ltd	Subscription to NEARMAP imagery – 08/10/18	22,000.00
885.1398-01	29/11/2018	MERIT CHARTERED ACCOUNTANTS	Interim fee for Financial Statement Audit	22,000.00
885.87-01	29/11/2018	TOP END LINEMARKERS PTY LTD	Line Marking after resealing	21,605.10
878.409-01	01/11/2018	F & J BITUMEN SERVICES PTY LTD	Edge Patching and pothole repairs – Various Roads	19,282.56
883.612-01	22/11/2018	CREMASCO CIVIL PTY LTD	Supply / install RCBC with Wing Walls – 3 Locations	18,573.50
885.971-01	29/11/2018	MUGAVIN CONTRACTING PTY LTD	Traffic Management & Plan for Pioneer Rd	18,100.00

Cheque No.	Chq Date	Payee	Description	Amount
885.926-01	29/11/2018	JACANA ENERGY	Power for Whitewood Hall - October 2018	17,937.31
879.1047-01	08/11/2018	REMOTE AREA TREE SERVICES PTY LTD	Conduct tree management work on various roads	16,753.00
885.514-01	29/11/2018	VEOLIA ENVIRONMENTAL SERVICES	OCT Waste transport -HDWTS, HSWTS and BSWTS	15,589.10
879.596-01	08/11/2018	AREA9 IT SOLUTIONS – HARDWARE	Desktop PCs rollout including Conference Room – Replacement and Laptop Replacements	15,577.28
881.1099-01	15/11/2018	DAVE'S MINI DIGGA HIRE	Remove tree stump, Drain Clean – Various Roads	14,465.00
885.748-01	29/11/2018	AGMECH SERVICES	Service and repair tractor SV 3882	13,565.09
883.87-01	22/11/2018	TOP END LINEMARKERS PTY LTD	Remark Port Kennedy Rd – Arnhem Highway and line-marking of various other roads	12,753.30
883.971-01	22/11/2018	MUGAVIN CONTRACTING PTY LTD	Numerous repair works along Hillier Road, Pioneer Drv and Constant St including Traffic Mgmt	12,700.00
883.1320-01	22/11/2018	RUSSELL KENNEDY LAWYERS	Investigation and Employment Advice – September	12,547.70
878.1454-01	01/11/2018	O'DWYER CONTRACTING	Thorak – Drain repairs at entrance to Cemetery	12,500.00
885.849-01	29/11/2018	WEX AUSTRALIA (PUMA CARD)	OCT 18 - Litchfield Council Fuel Account	11,637.13
879.1435-01	08/11/2018	NT CUSTOM HOMES & SHEDS PTY LTD	Sundown Deluxe Garage – Progress payment	11,123.00
885.268-01	29/11/2018	BYRNE CONSULTANTS	Survey services 13 May - 17 Jun 18	10,358.81
883.1099-01	22/11/2018	DAVE'S MINI DIGGA HIRE	Clean out Drains along various roads	9,790.00
879.612-01	08/11/2018	CREMASCO CIVIL PTY LTD	Repairs to Bollards and Barriers – multiple locations Litchfield area	8,589.77
879.1023-01	08/11/2018	AUSLINE ENGINEERING	Slasher SV3882 - Repairs to Header / Clutch, Slasher #2 flat blade repairs and fabrication of water tank	8,536.00
879.1099-01	08/11/2018	DAVE'S MINI DIGGA HIRE	Clean out Drain – along various roads	8,470.00
881.87-01	15/11/2018	TOP END LINEMARKERS PTY LTD	Line marking – Redgum, Goode to Woodland Roads and other roads	8,449.90
878.1467-01	01/11/2018	MARRAKAI SPRINGS (T/A ALL FENCING SERVICING SERVICES NT)	Fencing Repairs at Freds Pass Sport & Recreation Reserve	8,426.00
881.187-01	15/11/2018	NORSIGN	10 Hazard Markings Signboard – Illuminated and Safety Marked	8,376.50
878.187-01	01/11/2018	NORSIGN	Illuminated Safety and Name Change Signs – multiple locations	8,201.04
878.1099-01	01/11/2018	DAVE'S MINI DIGGA HIRE	Clean out Road Culverts on various roads	8,085.00
881.596-01	15/11/2018	AREA9 IT SOLUTIONS – HARDWARE	Microsoft Business Essential Manual Subscription	7,866.80
878.1065-01	01/11/2018	MRS M H BREDHAUER	Oct 18 – Mayor Allowances	7,747.71
885.1099-01	29/11/2018	DAVE'S MINI DIGGA HIRE	Clean Drain out 525 Strangways Rd, Humpty Doo	7,480.00
885.1154-01	29/11/2018	NTBS CONSULTING ENGINEERS PTY LTD	Freds Pass Sport and Recreation Reserve	6,638.50
879.436-01	08/11/2018	DELTA ELECTRICS NT PTY LTD	Remove and replace change over switch at Council – Generator	6,505.73
883.992-01	22/11/2018	WEST ARNHEM REGIONAL COUNCIL	Records Management Improvement Project	6,496.38

Cheque No.	Chq Date	Payee	Description	Amount
885.414-01	29/11/2018	TOTAL EXCAVATIONS	Widen Fire Breaks - Goode Road	6,270.00
885.78-01	29/11/2018	POWER & WATER CORPORATION	Water charges for Howard Park Reserve / HDWTS and HSWTS	6,144.32
879.414-01	08/11/2018	TOTAL EXCAVATIONS	Clean Drain – along various roads	5,819.00
879.183-01	08/11/2018	CHRIS'S BACKHOE HIRE PTY LTD	Thorak – Grave digging for the month of October	5,808.00
885.1450-01	29/11/2018	TITAN AUSTRALIA PTY LTD	Pneumatic tyres for Hyundai Loader	5,544.00
878.119-01	01/11/2018	SHADE & PLAY PTY LTD	Shade replacement at KLRR and HPRR	5,533.00
879.170-01	08/11/2018	NT RECYCLING SOLUTIONS (NTRS)	Collect Cardboard and co-mingle: Waste Transfer Stations and Council Office	5,181.55
881.1253-01	15/11/2018	CRAIG BURGDORF	Remove and replace batteries in Hyundai Loader	5,157.47
885.409-01	29/11/2018	F & J BITUMEN SERVICES PTY LTD	Pothole and Edge Patching - Various Roads	5,012.00
878.1455-01	01/11/2018	DOLAN CIVIL PTY LTD	Shape and open Drain on Hiller Road	4,924.70
883.926-01	22/11/2018	JACANA ENERGY	Power for shed 1&2 36 Vereker st Humpty Doo – Final Accounts	4,831.43
885.1053-01	29/11/2018	CSG BUSINESS SOLUTIONS PTY LTD	OCT 18 - Monthly rental charges for Photocopier	4,827.78
885.1413-01	29/11/2018	McCLELLAND INDUSTRIES PTY LTD	Rent 23 Spenceley Rd, MWF, Humpty Doo	4,767.40
881.1113-01	15/11/2018	GRAPHICS'LL DO (LEONIE RICHARDS)	Design, layout & artwork – Litchfield Council Annual report	4,719.00
883.1253-01	22/11/2018	CRAIG BURGDORF	Service, 1000hrs on Berry Springs Backhoe	4,715.17
885.1435-01	29/11/2018	NT CUSTOM HOMES & SHEDS PTY LTD	Design, supply / install Sundown Deluxe	4,685.00
881.414-01	15/11/2018	TOTAL EXCAVATIONS	Drain Clean out / easement – Levey Rd	4,620.00
879.144-01	08/11/2018	ORIGIN	Thorak – LPG gas	4,398.15
878.1420-01	01/11/2018	TRELLEBORG WHEEL SYSTEMS PTY LTD	New solid tyres – Kubota skid steer	4,151.83
883.514-01	22/11/2018	VEOLIA ENVIRONMENTAL SERVICES	Waste Transfer- Howard Springs WTS to Shoal Bay Receiving Station	4,149.42
883.896-01	22/11/2018	E.E. MUIR & SONS PTY LTD	Weed-master Argo x 32	4,048.00
881.522-01	15/11/2018	FARMWORLD NT PTY LTD	New Rapid Spray 2500 Litre Aqua-V Water	4,038.50
885.522-01	29/11/2018	FARMWORLD NT PTY LTD	New Rapid Spray 2500 Litre Aqua-V Water	4,009.70
885.85-01	29/11/2018	TELSTRA	Telephone charges November 2018	3,870.58
885.506-01	29/11/2018	TURBO'S TYRES	Supply and Fit 4 Tractor Tyres and Disposal	3,718.00
878.414-01	01/11/2018	TOTAL EXCAVATIONS	Repair Shoulder – Strangways Rd, Clean drains and culverts	3,696.00
878.85-01	01/11/2018	TELSTRA	October 2018 – Litchfield Council Phone	3,695.53
884.144-01	29/11/2018	ORIGIN	Gas Charges for October 2018	3,300.85
878.596-01	01/11/2018	AREA9 IT SOLUTIONS – HARDWARE	October 2018 – IT support & assistance	3,245.00
885.1001-01	29/11/2018	ELTON CONSULTING	Facilitate Workshop - Project Planning	3,167.75

Cheque No.	Chq Date	Payee	Description	Amount
879.81-01	08/11/2018	RHO SURVEYS	Old Bynoe/Notta – Check Boundaries – peg for Surveyors	3,146.00
883.1053-01	22/11/2018	CSG BUSINESS SOLUTIONS PTY LTD	Monthly rental charges for Photocopier	3,134.88
885.1023-01	29/11/2018	AUSLINE ENGINEERING	Slasher #3 - reskin skids check	3,080.00
885.1230-01	29/11/2018	TRUE NORTH STRATEGIC COMMUNICATION	Writing/Editing sections of the LC Municipal Plan	2,979.90
879.34-01	08/11/2018	DARWIN HUMAN RESOURCE & COMPUTER ACADEMY	Staff attend – Dealing with Challenging Situations Training	2,950.00
883.443-01	22/11/2018	TERRITORY UNIFORMS	Uniforms for Rangers	2,929.32
882.926-01	22/11/2018	JACANA ENERGY	Electricity for October 2018 – Thorak	2,822.14
878.1193-01	01/11/2018	NT SHADE & CANVAS	Playground audits – BSRR, HDVGRR, FPSRR & LRR – Reserves	2,640.00
885.1088-01	29/11/2018	TALENT PROPELLER	Recruitment Campaign Manager Infrastructure	2,397.56
878.1064-01	01/11/2018	MRS C M SIMPSON	OCT 18 – Councillor Allowances	2,247.05
878.928-01	01/11/2018	RSEA PTY LTD	Uniforms for MWF 1 of 3 Invoices – PPE for new Casual Employees	2,205.62
878.1063-01	01/11/2018	MRS K J SAYERS-HUNT	OCT 18 – Deputy Mayor Allowances	2,163.51
879.163-01	08/11/2018	TONKIN CONSULTING	Concept Drainage Design – Southport Town Centre	2,095.50
885.690-01	29/11/2018	TOTAL HYDRAULIC CONNECTIONS (NT) PTY	Repairs to Hydraulic Manifold on Skid Steer	2,044.83
879.1088-01	08/11/2018	TALENT PROPELLER	Advertising cost associated for Library Manager	2,035.00
878.1199-01	01/11/2018	HERRON TODD WHITE (NT) PTY LTD	Valuation of 320 Arnhem Highway, Humpty Doo	1,980.00
878.1290-01	01/11/2018	MATCHEZ SUPERANNUATION FUND (M SALTER)	OCT 18 – Councillor Allowances	1,967.05
878.506-01	01/11/2018	TURBO'S TYRES	Supply and fit 3 tyres to trailer	1,852.40
878.806-01	01/11/2018	ZIPPY CLEANING & MAINTENANCE SERVICE	OCT 18 – Cleaning of Litchfield Council Office Areas	1,852.30
885.806-01	29/11/2018	ZIPPY CLEANING & MAINTENANCE SERVICES	NOV 18 - Cleaning of Litchfield Council	1,852.30
878.1068-01	01/11/2018	MR D S BARDEN	Oct 18 – Councillor Allowances	1,827.05
883.1428-01	22/11/2018	HANNA'S COOLING PTY LTD	Servicing of AC units - wall mounted – several in Council Offices	1,818.30
879.409-01	08/11/2018	F & J BITUMEN SERVICES PTY LTD	Traffic Control and Prime multiple roads, Litchfield area	1,568.00
878.1457-01	01/11/2018	DARWIN STEEL SUPPLIES PTY LTD	10 lengths of Galvanised Piping including installation	1,500.00
879.556-01	08/11/2018	CITY OF PALMERSTON	Fee for Work – Litchfield Company Values	1,463.00
879.78-01	08/11/2018	POWER & WATER CORPORATION	Sept/Oct 18 – Council Office Water bill	1,459.11
881.1044-01	15/11/2018	FIRSTAIDPRO	CPR Refresher – Grounds person/Cemetery	1,416.00
881.1396-01	15/11/2018	CSE CROSSCOM PTY LTD (T/A COMM8)	Tracking System Data Access – November 18	1,355.20
879.885-01	08/11/2018	HUMPTY DOO DIESEL	Kubota FS 3690; REG: CC 44 JN full 1200- hour service	1,330.00
881.1152-01	15/11/2018	LANE LASER PRINTERS PTY LTD	Council Rate Brochures	1,329.90

Cheque No.	Chq Date	Payee	Description	Amount
879.1381-01	08/11/2018	MR S M CASEY	Rates Refund	1,238.00
879.1230-01	08/11/2018	TRUE NORTH STRATEGIC COMMUNICATION	Proof reading of Annual Report 2017/18	1,212.75
883.1461-01	22/11/2018	FREDBUILD PTY LTD	Removals/levelling septic pipes around Scout Hall	1,210.00
883.1103-01	22/11/2018	HASTINGS DEERING	Replace rusted coupling and bent pipes on Backhoe	1,167.30
879.36-01	08/11/2018	BRIDGE TOYOTA	Toyota Hilux CC08KR, new tyres including fitting and disposal	1,121.00
879.1297-01	08/11/2018	SS AUTO ELECTRICS	Fault find / repair re-wind on spray unit	1,106.00
883.941-01	22/11/2018	EVERLON BRONZE	Thorak – Plaque NT-TRC-B181009C	1,099.45
881.1320-01	15/11/2018	RUSSELL KENNEDY LAWYERS	Legal Advice on various matters – October	1,076.90
885.597-01	29/11/2018	THE AUSTRALIAN LOCAL GOVERNMENT JOB	Subscription Local Government Job Directory	1,045.00
881.508-01	15/11/2018	EASA	EAP Counselling sessions October	1,007.10
885.1479-01	29/11/2018	TOP END TYRE SERVICE	Strip tyres and refit new tyre on Hyundai Loader	946.00
878.489-01	01/11/2018	STEEL WORK STEEL	Repair general bin door at Howard Springs WTS	935.00
881.14-01	15/11/2018	AUSTRALIA POST	4 boxes of 100 stamps	919.75
881.928-01	15/11/2018	RSEA PTY LTD	Uniforms for MWF last of 3 Invoices – PPE Casual Staff	877.53
881.926-01	15/11/2018	JACANA ENERGY	Power for Whitewood Hall, Knuckey Lagoon and HDWTS – August 2018	870.40
879.56-01	08/11/2018	COLEMANS PRINTING PTY LTD	Impounding Notice Books of 50	836.00
883.1130-01	22/11/2018	MAIR'S ONLY CLEANING	Caretaker duties-Howard Park 19/11 – 2/12/18, Knuckey Lagoon & Reimb.	829.07
878.1211-01	01/11/2018	MR G S MAYO	After hours pound cleaning – 30 June to 30 October 18	810.00
878.1080-01	01/11/2018	UNIVERSITY OF NEW ENGLAND	Semester Course Fees- Introduction to GIS Spatial thinking	805.00
883.1480-01	22/11/2018	MR D E CRAUFURD	Rates Refund	800.00
881.560-01	15/11/2018	JOBFIT HEALTH GROUP PTY LTD	Hep A and B Serology Testing onsite	794.66
885.828-01	29/11/2018	HOWARD SPRINGS VETERINARY CLINIC	Consult - Numerous invoices	779.25
879.1130-01	08/11/2018	MAIR'S ONLY CLEANING	Caretaker duties – Howard Park 05/11 – 18/11/18 and Knuckey Lagoon Reserve	770.00
881.1088-01	15/11/2018	TALENT PROPELLER	Print advertisement Library Manager – numerous sites	756.25
879.51-01	08/11/2018	SOUTHERN CROSS PROTECTION	OCT 18 – Security services of Litchfield Council Offices	745.95
881.78-01	15/11/2018	POWER & WATER CORPORATION	JUL to OCT Water Supply Knuckey Lagoon Reserve	718.97
878.1373-01	01/11/2018	CAMS LANDSCAPING AND LANDCARE	Irrigation repairs to leaks at Howard Park Reserve	698.79
879.515-01	08/11/2018	JC ELECTRONIC SECURITY PTY LTD	On site call out for HDWTS Video Surveillance camera's	688.21
885.489-01	29/11/2018	STEEL WORK STEEL	Repair damaged Bin Lid HSWTS	687.50
885.90-01	29/11/2018	INDUSTRIAL POWER SWEEPING	Path Sweeping on Thorngate Rd to Army Barracks	660.00

Cheque No.	Chq Date	Payee	Description	Amount
885.825-01	29/11/2018	PRESTIGE AUTOMOTIVE ELECTRICAL	Diagnose and Repair Aircon in Kubota skid steer	641.85
879.990-01	08/11/2018	A. NOBLE & SON LTD.	Replacement winch rope on compactor	640.59
881.48-01	15/11/2018	CARCOM INSTALLATIONS PTY LTD	Supply and Install Hands Free Car Kit	633.00
881.367-01	15/11/2018	BUNNINGS GROUP LIMITED	Keys for Workshop sheds and tags	612.29
881.1318-01	15/11/2018	MISS P J NICHOLS	Rates Refund	606.00
879.1330-01	08/11/2018	PAWS DARWIN LTD	Pound transfers for September and October	585.00
882.522-01	22/11/2018	FARMWORLD NT PTY LTD	Repairs to Iseki Mower – relay solenoid valve	582.55
881.1340-01	15/11/2018	THE DRUG DETECTION AGENCY	Drug Testing – 6 employees on site	577.50
878.1424-01	01/11/2018	RURAL FIRE PROTECTION	Service of Fleet Vehicles Extinguishers	563.80
883.1186-01	22/11/2018	ADVANCED SAFETY SYSTEMS AUSTRALIA PTY LTD	ASSA membership September 18	547.80
881.455-01	15/11/2018	MINI-TANKERS AUSTRALIA PTY LTD	Diesel – Backhoe, Hino, Iseki Mower & Jerry Cans	509.09
885.1052-01	29/11/2018	JAYCAR PTY LTD	Thorak - UHF Radio and Transceiver	508.00
878.886-01	01/11/2018	MR R J FREEMAN	Pick / strip tyres on rims, make LPG bottles safe	507.50
885.1274-01	29/11/2018	GRACE RECORD MANAGEMENT (AUSTRALIA)	NOV 18 - Records Storage	506.59
885.1484-01	29/11/2018	NT SHOW HORSE ASSOCIATION	Community Grant	500.00
881.1468-01	15/11/2018	NORTECH COMMUNICATIONS	Replacement of faulty Lamp for Projector	496.10
883.1248-01	22/11/2018	COPYTIME	Print & saddle stitch five copies – Annual Report	480.00
883.1136-01	22/11/2018	DAVID DALY ELECTRONICS PTY LTD	Repair to the Sanjo Projector system	476.00
884.205-01	29/11/2018	SAFE WAY TEST & TAG (DAVID MILNER)	Test & tag of equipment Office, Shed & Container	473.00
881.189-01	15/11/2018	HD ENTERPRISES P/L	Various consumable plumbing fittings for Irrigation HDWTS	456.40
879.522-01	08/11/2018	FARMWORLD NT PTY LTD	Superior slasher gearbox shims – Qty. 18	448.35
878.895-01	01/11/2018	AUSTRALIA DAY COUNCIL NT	Australia Day Conference Community Development Seminar	400.00
885.1152-01	29/11/2018	LANE LASER PRINTERS PTY LTD	Printing of 10,000 DL window-faced envelopes	393.80
883.187-01	22/11/2018	NORSIGN	Cemetery, Train and Track Signs – illuminated	388.06
883.535-01	22/11/2018	TOP END WINDSCREENS & TINTING	Fit side screen to Kubota Skid steer	388.00
885.326-01	29/11/2018	EYESIGHT SECURITY P/L	Thorak - Security patrols/services NOV 1	384.45
881.990-01	15/11/2018	A. NOBLE & SON LTD.	Installation of new winch rope on Compactor HDWTS	379.50
878.326-01	01/11/2018	EYESIGHT SECURITY P/L	Thorak – October 2018 Security Patrols	363.00
878.1142-01	01/11/2018	OFFICEMAX AUSTRALIA LTD	Replenish Litchfield Council Stationary Supplies	361.68
885.471-01	29/11/2018	ENZED SERVICE CENTRE DARWIN	Repair blown hydraulic hose on backhoe	352.10

Cheque No.	Chq Date	Payee	Description	Amount
881.940-01	15/11/2018	A.B.G. PTY LTD (ABG)	Rego inspection tractor SV3869 and report	330.00
885.1464-01	29/11/2018	PROJECT BUILDING CERTIFIERS Pty Ltd	Fee Proposal for Occupancy Permit	330.00
883.1157-01	22/11/2018	RICHMOND WHEEL & CASTOR	Castors – 1 of 2 Invoices – 27 Castors – different sizes	296.67
885.896-01	29/11/2018	E.E. MUIR & SONS PTY LTD	Bag of Ammonium	286.00
885.1056-01	29/11/2018	RAM STAR PLASTICS & FABRICATION	Replacement sheet - poly carb for Tractor	280.50
878.971-01	01/11/2018	MUGAVIN CONTRACTING PTY LTD	Traffic Management and Works to repair kerb	270.00
878.36-01	01/11/2018	BRIDGE TOYOTA	Replace fuel filter in Toyota Hilux CC10P	261.65
885.886-01	29/11/2018	MR R J FREEMAN	Make fire extinguisher's and gas bottles	257.50
883.1181-01	22/11/2018	ODD JOB BOB	Replace water Filter on Fridge in the Finance Area	255.48
879.61-01	08/11/2018	GREENTHEMES INDOOR PLANT & HIRE	October 18 – Indoor plant hire	255.28
879.825-01	08/11/2018	PRESTIGE AUTOMOTIVE ELECTRICAL & AIRCONDITIONING	Fault find electrical issues with Kubota	253.00
883.1152-01	22/11/2018	LANE LASER PRINTERS PTY LTD	Lick 'n' Stick Secretive Envelopes x 2000	246.40
879.968-01	08/11/2018	NT FASTENERS PTY LTD	High tensile Zinc bolts and nylock nuts	242.48
883.56-01	22/11/2018	COLEMANS PRINTING PTY LTD	Business Cards for 2 Council Officers	242.00
885.851-01	29/11/2018	OFFICEWORKS	Thorak- Replenish Stationery incl delivery	232.71
885.70-01	29/11/2018	LOCAL GOVERNMENT ASSOCIATION NT	Charges for Reference Group Attendees	220.00
878.850-01	01/11/2018	HUMPTY DOO DEVELOPMENTS PTY LTD	Final Water Bill 8-8-18 to 5-9-18	207.08
885.815-01	29/11/2018	JEFFRESS ADVERTISING	NT News Advertisement- Freds Pass Road	190.96
881.1231-01	15/11/2018	CROWN EQUIPMENT PTY LTD	Service for Forklift CC91VA	185.13
883.1040-01	22/11/2018	SUPERCHEAP AUTO	Carry Tool Box with Tray and Gear Oil	182.07
880.1476-01	15/11/2018	NT MOBILE AUTO ELECTRICS	Hino Air-conditioning Repairs	177.50
883.130-01	22/11/2018	MOBILE LOCKSMITHS	Thorak – Call out to reset Safe combination	176.00
883.799-01	22/11/2018	WALGA (WA LOCAL GOV)	Position Classification for Library Manager	176.00
878.855-01	01/11/2018	TENDERLINK	Freds Pass Road Realignment Public Notice	172.70
879.874-01	08/11/2018	FIN BINS (VTG WASTE & RECYCLING)	OCT 18 – Rubbish Collection for Howard Park	166.83
881.1142-01	15/11/2018	OFFICEMAX AUSTRALIA LTD	Restock of Stationary Supplies Council Offices	161.43
878.941-01	01/11/2018	EVERLON BRONZE	Thorak – Plaque order NT-TRC-B180917A-1	160.05
885.790-01	29/11/2018	BOBTOW TILT TRAY SERVICES	Tow hatchback from Goode Rd to H/Doo	154.00
883.1142-01	22/11/2018	OFFICEMAX AUSTRALIA LTD	Office Stationary Replenishment 1 of 3 Invoices	148.11
879.1475-01	08/11/2018	MS T M WANDS	Reimbursement of Purchase of PPE – Safety Boots	142.00

Cheque No.	Chq Date	Payee	Description	Amount
881.126-01	15/11/2018	WATER DYNAMICS (NT) PTY LTD	Thorak – Water Filter Cartridges	139.62
878.1473-01	01/11/2018	MR H J BACKERS	Purchase of 3 Ganophyllum Falcatum – Tree Planting – Verge	138.60
885.108-01	29/11/2018	RTM DEPARTMENT OF ATTORNEY GENERAL	Jul-Sep 18 Admin Fee - FRU Fines Enforcement	132.00
BPAY219	19/11/2018	RTM MOTOR VEHICLE REGISTRY – MVR	Registration – Box Trailer – T15107 12 months	124.75
BPAY219	19/11/2018	RTM MOTOR VEHICLE REGISTRY - MVR	Registration - Box Trailer - T15107 12 months	124.75
879.102-01	08/11/2018	CHARLES DARWIN UNIVERSITY	Term 3, Cert IV in Leadership Management	120.00
881.1352-01	15/11/2018	KLP TRADING PTY LTD (T/A PRO-TEK)	Replacement iPhone screen	120.00
879.31-01	08/11/2018	TOP END SIGN SALES	Thorak – New sign regarding Contractors	104.50
878.1469-01	01/11/2018	MS T KEARNEY	Refund-Return of Bark Collar-CHQ413136	100.00
878.1470-01	01/11/2018	MS S SURR	Refund of Dog Registration – Change location of Animal	100.00
879.1474-01	08/11/2018	MR J L NEWMAN	Dog trap refund	100.00
885.928-01	29/11/2018	RSEA PTY LTD	Thorak - Sun Protection and Rehydration	99.09
885.876-01	29/11/2018	NT ICE	30 bags of ice delivered to MWF Sheds	99.00
883.928-01	22/11/2018	RSEA PTY LTD	PPE Safety Gloves, 20 in assorted sizes	74.36
878.1344-01	01/11/2018	PROSEGUR AUSTRALIA PTY LTD	Collect money for Council banking 16 & 19 th October 18	71.50
879.1344-01	08/11/2018	PROSEGUR AUSTRALIA PTY LTD	Collect money for Council banking 23 & 26 th October 18	71.50
881.1344-01	15/11/2018	PROSEGUR AUSTRALIA PTY LTD	Collect money for Council banking 30/10 & 01 st Nov 18	71.50
883.1344-01	22/11/2018	PROSEGUR AUSTRALIA PTY LTD	Collect money for Council banking 06/11 & 08/11/18	71.50
885.1344-01	29/11/2018	PROSEGUR AUSTRALIA PTY LTD	Collect money for Council banking 13/11	71.50
878.1130-01	01/11/2018	MAIR'S ONLY CLEANING	Cleaning Knuckey Lagoon – 29/10 – 02/11/18	70.00
881.1130-01	15/11/2018	MAIR'S ONLY CLEANING	Cleaning for Knuckey Lagoon 12-16 Nov 18	70.00
885.1130-01	29/11/2018	MAIR'S ONLY CLEANING	Cleaning for Knuckey Lagoon 26-30/11	70.00
879.1245-01	08/11/2018	RURAL RUBBISH REMOVAL	OCT 18 – Rubbish collection for Knuckey Lagoon	66.00
878.998-01	01/11/2018	PALMERSTON PAINT SUPPLIES	Tubes of Sudo Glue – White x 4	64.00
883.960-01	22/11/2018	MR R J ALLNUTT	Reimbursement of Out of Pocket Exp – Skin Check	62.40
883.1477-01	22/11/2018	MR R KOBERSTEIN	Refund on Overpaid Dog Registration	55.00
880.1459-01	15/11/2018	TERRITORY SPRINGWATER AU PTY LTD	15 Litre bottled water for Reception & Foyer	44.00
885.1076-01	29/11/2018	TDC (NT) PTY LTD - T/AS TERRITORY DEBT	Debt Recovery Fees	44.00
878.220-01	01/11/2018	THE BIG MOWER	Thorak – purchase Honda Engine Oil	43.25
883.506-01	22/11/2018	TURBO'S TYRES	Thorak – Tyre repair for Iseki	39.60

Cheque No.	Chq Date	Payee	Description	Amount
885.968-01	29/11/2018	NT FASTENERS PTY LTD	High impact 1/2-inch drive universal socket	35.44
879.129-01	08/11/2018	VANDERFIELD NORTHWEST PTY LTD	Thorak – Replacement Air-conditioning Filters	34.08
878.1459-01	01/11/2018	TERRITORY SPRINGWATER AU PTY LTD	Thorak – Bottled water 3 Bottles – Chapel and Reception	33.00
884.1459-01	29/11/2018	TERRITORY SPRINGWATER AU PTY LTD	15 Litre bottled water	33.00
885.1294-01	29/11/2018	CLEAN FUN PTY LTD (DARWIN LAUNDRIES)	Wash and fold linen	27.50
879.25-01	08/11/2018	LAND TITLES OFFICE	Council ABS Survey	27.40
878.1076-01	01/11/2018	TDC (NT) PTY LTD – T/AS TERRITORY DEBT COLLECTORS	Debt Recovery Fees	22.00
885.1133-01	29/11/2018	NT WATER FILTERS	2x foyer bottled water	20.80
883.968-01	22/11/2018	NT FASTENERS PTY LTD	Hex Nute and Bolts – for replacement's	16.49
879.189-01	08/11/2018	HD ENTERPRISES P/L	Screws and Tacks for general repairs	11.63
883.78-01	22/11/2018	POWER & WATER CORPORATION	Water for weed spraying – Stand pipe outlets	5.11
TOTAL				3,162,639.82

CREDIT CARD TRANSACTIONS

Credit card transactions for November 2018 are listed in the table below.

Staff Member	Details	Cost Code	Gross (\$)	GST (\$)
Kaylene Conrick CEO	Paystay parking Darwin City	3000.350.639	10.00	0.91
Deborah Branson Executive Assistant	Safe NT – OCHRE Card for Community Development Officer	3400.310.644	70.00	-
	Qantas Flights National General Assembly - Travel Insurance - Mayor	3020.330.644	12.00	0.99
	Flights - National General Assembly - Mayor	3020.330.644	1,607.68	146.15
	Property Council	3400.310.644	180.00	16.36
	Flights - National General Assembly - CEO	WO4084	753.98	68.54
	Coles - Staff Training	3050.350.620	24.65	2.24
	Facebook	3030.350.602	133.11	12.10
	Coles - Staff Training	3050.360.620	22.41	2.04
	Coolalinga Bakery - Staff Training Catering	3050.350.620	9.00	0.82
	Virginia Tavern - Staff Training Catering	3050.350.620	140.00	12.73
	Palmerston & Rural Business Association AGM	3020.330.644	40.00	3.64
	Vision 6	3030.330.500	9.90	0.90
	Coles - Water - Council Meetings	3020.330.620	6.00	0.55
	Woolworths - Office & chamber incidentals	3130.350.515	31.85	2.90
	Australia Post - Postage - Award recipient	3130.350.600	14.55	1.32
	Australian Local Government Roads Congress - Mayor's Registration	3020.330.644	990.00	90.00
	Coles - Catering - Shadow Minister LG Visit	3020.340.673	5.50	0.50
Silke Maynard Director Community & Corporate Services	Staff morning tea - Records Management	3050.350.620	36.95	3.36
	Skybus - Intensive Leadership Cse MELB	3130.310.645	37.00	3.36
	Accommodation IBIS Melb - Int/Leadership Cse	3130.310.645	106.36	9.67
	Taxi Fare - Melb - Int/Leadership Cse	3130.310.645	17.01	1.55
	Taxi Fare - Melb - Int/Leadership Cse	3130.310.645	15.02	1.37

Staff Member	Details	Cost Code	Gross (\$)	GST (\$)
	Replacement Battery - Trailblazer	WO4490.0120	247.50	22.50
Karina Gates	Skymesh	3121.350.640	71.75	6.89
Finance Manager	CPA Congress (13-14/11/18) DRW	3130.310.644	1,370.00	124.55
Glen Byrnes	Woolworths - Staff Amenities - Cleaning	3410.350.515	30.57	2.78
Waste Manager	Kmart Tyre & Auto - Replacement tyre	WO4414.001	179.00	16.27
	NTF - Galvanised compads	WO4227.001	8.66	0.79
	Totally Work Wear - PPE	3410.350.508	108.00	9.82
	Kmart Tyre & Auto - Puncture Repair	WO4414.001	78.00	7.09
	Woolworths - Staff Amenities - Cleaning etc	3410.350.515	99.28	9.03
	Outback Batteries - Replacement battery	WO4414.001	247.50	22.50
	Woolworths - Staff Amenities - Cleaning etc	3410.350.515	26.31	2.39
	RSEA - Boots - Employee	3410.350.508	179.95	16.36
Vicky Wellman	Skymesh - NBN Satellite	23000.350.640	84.95	7.72
Thorak Manager	Bunnings - Grass Seed/Fertiliser	23000.521.506	39.50	3.59
Sharon Mc Taggart	IBIS Airport Hotel - Due to cancelled flight	4040.310.645	161.07	14.64
Regulatory Services	Kmart - Phone Cases - 2	4040.435.562	12.00	1.09
Manager	Harvest Press - Catering TOPROC AM Meeting	4040.435.560	32.00	2.91
	St John Ambulance - Vehicle First Aid Kits	4040.350.516	167.15	15.20
	KLP Trading - Replacement iPhone Screen	4040.435.562	130.00	11.82
	Safe NT - Working with Children Check	4040.435.562	70.00	-
Herb Backers	Booking .Com - Spray Sealing Seminar – Works	3200.310.644		
Works Manager	Supervisor		310.50	28.23
	Aust Asphalt Pavement Assoc - Works Supervisor	3200.310.644	1,480.00	134.55
	Qantas - Flights - DRW to BNE - Works Supervisor	3200.310.644	309.90	28.17
	Virgin - Flights - BNE to DRW - Works Supervisor	3200.310.644	329.23	29.93
	Virgin - Flight Change BNE -DWN	3200.310.644	70.00	6.36
TOTAL			10,115.79	907.15

Links with Strategic Plan

An effective and sustainable Council

Recommending Officer: **Silke Maynard, Director Community and Corporate Services**

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



COUNCIL AGENDA

LITCHFIELD COUNCIL MEETING

Wednesday, 12 December 2018

15 Officers Reports

- 15.1 Tree Hazard Inspection Report
- 15.2 Freds Pass Road Subdivision Place Name Report – Park Name
- 15.3 670 Letchford Road Subdivision – New Road Name
- 15.4 Request to Lease Council Land at 185 Trippe Road and/or 125 Kostka Road, Humpty Doo for Telecommunications Tower
- 15.5 December 2018 Summary Report Planning and Mining
- 15.6 NT Australia Day Council 2019 Annual Event
- 15.7 Appointment of Committee Member to the Howard Park Reserve Committee
- 15.8 Playground Audits at Council's Recreation Reserves



COUNCIL REPORT

Agenda Item Number:	15.1
Report Title:	Tree Hazard Inspection Report
Report Number:	18/0178
Meeting Date:	12/12/2018
Attachments:	Attachment A – Extract from Post-Cyclone Hazard Inspection Report September 2018

Purpose

This report presents to Council a summary of the Post Tropical Cyclone Marcus Tree Hazard Inspection Report dated 3 September 2018 and provides a status and timeline for the identified works.

Summary

Council commissioned its first public spaces Tree Risk Assessment for all seven recreation reserves, as well as Thorak Regional Cemetery, in January 2018. A report by a qualified arborist was delivered to Council on the 7 March 2018 identifying 672 trees requiring treatment.

Cyclone Marcus hit the Top End on 17 March 2018, causing widespread damage and compromising trees. In conjunction with the cyclone clean-up works, Council addressed the urgent works outlined in the March 2018 report.

The weather event compromised the validity of the risk assessment which prevented Council from progressing with the tender process for the remaining recommended tree works. To ensure safety to patrons, accuracy of the Risk Assessment data and to facilitate a valid tender process, Council engaged a qualified arborist to review and reassess the Tree Hazard Inspection Report.

The revised report, included as Attachment A, was received in September 2018.

Recommendation

THAT Council receives and notes the revised Tree Hazard Inspection Report dated 3 September 2018.

Background

Council resolved at its meeting on the 15 November 2017 to contract a qualified arborist to undertake a tree risk assessment on all seven recreational reserves and Thorak Regional Cemetery.

Remote Area Tree Services were engaged and provided a report to Council on 7 March 2018 based on inspections undertaken in January 2018, prior to a monsoonal trough later that month and Tropical Cyclone Marcus in March 2018. Re-inspections were conducted following these two weather events with a report received in September 2018.

Overall, the contractor assessed 6,475 trees on Level 1 “Limited Visual Inspection” basis with a total of 703 of these identified and assessed using a Level 2 “Basis Risk Assessment” and Quantified Tree Risk Assessment (QTRA).

The risk assessment method has the following components:

1. Probability of failure (PF);
2. Size of part likely to fall (FS); and
3. Target occupancy (TO) being the application of risk due to traffic and location.

The below table identifies the risk of trees across all eight locations:

Location	Very High	High	Moderate	Low	Very Low	TOTAL
Berry Springs Reserve	1		9	27	10	47
Freds Pass Recreation Reserve	1	2	49	307	130	489
Howard Park Rec Reserve	0	0	2	6	6	14
Humpty Doo Village Green	0	0	0	7	15	22
Knuckey Lagoon Rec Reserve	0	0	0	4	26	30
Livingstone Reserve	1	0	3	17	1	22
McMinns Lagoon Rec Reserve	1	0	2	22	13	38
Thorak Regional Cemetery	0	0	0	14	27	41
TOTAL	4	2	65	404	228	703

Of these 703 trees, 130 trees do not require works initially recommended in the March report as previously recommended works have been completed or the tree has been removed through cyclone recovery works.

For those trees that have been assessed, categorised works are proposed to manage the trees to reduce the risk, or to remove the trees if risk reduction is not possible through tree maintenance works. Prescribed works include removal of trees, removal of hanging branches, risk reduction pruning, deadwood removal, and other works.

All works have been categorised by urgency with the following timeframes for completion:

- Urgent – need to occur within 1 month of issue of the Report, or
- High - need to occur within 12 months of issue of the Report.

The below table illustrates the number of works per site based on the level of urgency identified in the September 2018 Report:

Location	High	Urgent	Total
Berry Springs Reserve	45	1	46
Fred's Pass Recreation Reserve	393	1	394
Howard Park Recreation Reserve	11	0	11
Humpty Doo Village Green	16	0	16
Knuckey Lagoon Recreation Reserve	20	1	21
Livingstone Reserve	20	1	21
McMinns Lagoon Recreation Reserve	27	4	31
Thorak Regional Cemetery	31	2	33
Grand Total	563	10	573

Quotations were sought to address urgent priority works and after experiencing some delays, the contractor engaged to undertake these works advised that all works were completed on 20 November 2018.

A Request for Tender (RFT) is currently being developed to seek interest and pricing from contractors to undertake the high priority works. It is anticipated the RFT will be released late January 2019 with, weather permitting, works to commence as soon as practical.

Links with Strategic Plan

Priority # 2 – A great place to live

Priority # 3 – A beautiful natural environment

Legislative and Policy Implications

Council has a legal obligation for safety of public open space under Council's control and management.

Risks

It is a community expectation and Council legal responsibility to manage risks associated with trees.

Financial Implications

The 2018/19 budget has \$130,000 allocated to tree works across Council's seven Recreation Reserves, with a further \$10,000 budgeted for such works at Thorak Regional Cemetery.

The Year to date spent is \$16,160 for urgent works, none of the works will be recoverable through the Natural Disaster Recovery Funding.

Community Engagement

Each of the Recreation Reserve Management Committees have been consulted on the result of the Tree Hazard Inspection Report and Council will continue to work with the Committees to ensure appropriate scheduling of works to be undertaken.

Recommending Officer: **Silke Maynard, Director Community and Corporate Services**

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



In association with
Homewood Consulting Pty. Ltd.

Post-Cyclone Hazard Inspection Report

for

Litchfield Shire Council

Assessment of trees within high use areas of nominated
recreation reserves in Litchfield Shire

Prepared by

Remote Area Tree Services

PO Box 1300
Coolalinga, NT 0839

Prepared For

Litchfield Council

PO Box 446
Humpty Doo NT 0836

Consulting Arborist

John Brennan

Diploma of Arboriculture

3 September 2018

Summary

Remote Area Tree Services in association with Homewood Consulting Pty Ltd has been engaged to conduct a walkover inspection of trees located within seven nominated recreation reserves and one cemetery within Litchfield Shire.

Across the eight sites approximately 6475 trees were inspected using a Level 1 'Limited Visual Inspection' with a total of 703 of these identified and assessed using a Level 2 'Basic Assessment' (Dunster et al. 2013) and Quantified Tree Risk Assessment (QTRA).

Table 1: Litchfield Recreation Reserves risk assessment summary table

Risk Category	Number of Trees	Recommended Works Categories	
Very High	4	Removal Broken branch removal	Risk reduction pruning
High	2	Risk reduction pruning Deadwood removal	
Moderate	65	Removal Risk reduction pruning Codominant reduction	Deadwood removal Canopy lift Broken branch removal
Low	404	Removal Risk Reduction pruning Deadwood removal Property/Asset clearance Codominant reduction/removal	Broken branch removal Epicormic management Canopy lift Individual branch removal Mulch rootzone
Very Low	228	Removal Risk reduction pruning Deadwood removal Property/Asset clearance	Codominant reduction/removal Broken branch removal Canopy lift
Total	703		

All eight sites were inspected by Remote Area Tree Services in January 2018 prior to Cyclone Marcus (Brennan 2018). Litchfield Shire Council requested that each site be reassessed in order to identify any additional works required as a result of damage sustained during the cyclone.

573 trees have been recommended for works. As with the previous report, the majority of recommended works involve removal of dead and decayed branches or whole trees, risk reduction pruning and reduction of branches in conflict with assets or infrastructure.

130 trees do not require works as the previous recommendations have been completed or the trees have been removed.

Independent of risk ratings, all recommended works have been assigned a priority of either 'Urgent' or 'High'.

- **'Urgent'** priority works should be completed within 1 month of receiving this report
- **'High'** priority works should be completed within 12 months of receiving this report

10 trees in total have been recommended for 'Urgent' priority works. Appendix 3.1 provides a summary of these trees and the recommended works.



Contents

1. Introduction	4
2. Key Objectives	4
3. Methodology	4
3.1 Site Inspection	4
3.2 Risk Assessment	5
4. Site Maps	7
6. Observations / Discussion	15
6.1 General Site Information	15
6.2 January 2018 Tree Assessments	15
6.3 July/August 2018 Tree Assessments	16
6.3.1 Overview	16
6.3.2 Works and Priority	16
6.4 Berry Springs Recreation Reserve	17
6.4.1 Risk Assessment Summary	17
6.5 Freds Pass Reserve	18
6.6 Howard Park Recreation Reserve	19
6.6.1 Risk Assessment Summary	19
6.7 Humpty Doo Village Green	20
6.7.1 Risk Assessment Summary	20
6.8 Knuckey Lagoon Recreation Reserve	20
6.8.1 Risk Assessment Summary	20
6.9 Livingstone Recreation Reserve	21
6.9.1 Risk Assessment Summary	21
6.10 McMinns Lagoon Recreation Reserve	21
6.10.1 Risk Assessment Summary	22
6.11 Thorak Regional Cemetery	23
6.11.1 Risk Assessment Summary	24
7. Works Definitions	25
7.1 Canopy lift	25
7.2 Codominant reduction/removal	25
7.3 Deadwood and broken/hanging branch removal	26
7.4 Manage epicormics	26
7.5 Property/asset clearance	26
7.6 Risk reduction pruning	27
7.7 Removal	28
8. Conclusion	28
9. References	29
Appendix 1. Data Collection Definitions	30
Appendix 2. Risk Assessment Methodology	32
Appendix 3. Tree Data & Recommended Works Tables	36

1. Introduction

Remote Area Tree Services in association with Homewood Consulting Pty Ltd has been engaged to conduct a walkover inspection of trees located within nominated recreation reserves throughout Litchfield Shire. A walkover inspection was previously conducted at each of these sites in January 2018, prior to cyclone Marcus.

The primary aim of a walkover inspection is to identify any trees of concern in proximity to specified targets. Trees which require works to reduce risk or prolong Useful Life Expectancy (ULE) are individually recorded and assessed using QTRA to quantify the risk these trees present in the landscape and provide recommendations for their management.

2. Key Objectives

- Visually inspect all trees located within reserves identified by the Litchfield Shire.
- Identify trees that are likely to have substantial failures or faults; and/or that have a high probability to cause damage to persons or property; and/or presenting issues which require prompt action.
- Undertake an assessment of the identified trees with regard to their health and structure.
- Assess the risk that the identified trees present in the landscape.
- Provide recommendations for managing the identified trees to maintain their health and structure and to ensure that risk is managed at an acceptable level.

3. Methodology

3.1 Site Inspection

Between Monday, 30 July 2018 and Thursday, 02 August 2018 John Brennan and Ben Kenyon conducted site inspections at:

- | | |
|------------------------------------|-------------------------------------|
| • Freds Pass Reserve | • Howard Park Recreation Reserve |
| • Humpty Doo Village Green | • McMinns Lagoon Recreation Reserve |
| • Berry Springs Recreation Reserve | • Knuckey Lagoon Recreation Reserve |
| • Livingstone Recreation Reserve | • Thorak Regional Cemetery |

All trees in the identified areas were inspected using a Level 1 'Limited Visual Inspection' (ISA 2013). From these, trees considered likely to have substantial failures or faults that had a high probability to cause damage to persons or property were assessed using a Level 2 'Basic Assessment' (ISA 2013) and individual tree assessment data was recorded.

A Level 1 'Limited Visual Inspection' assessment involves a visual inspection of a population of trees in high use areas or near specified targets, in order to identify certain obvious defects or specified conditions (Smiley, Matheny and Lilly 2011). This type of inspection typically focuses on identification of trees with imminent and/or probable likelihood of failure, and/or presenting issues which require prompt action. Trees identified as such are then assessed and recorded using a Level 2 'Basic Assessment'.

A Level 2 'Basic Assessment' is the standard assessment performed by arborists in response to most private client requests for tree risk assessments (Smiley, Matheny and Lilly



2011). It consists of a detailed visual inspection of a tree and its surrounding site, including a complete walk around the tree, looking at the buttress roots, trunk, branches and leaves. The tree is observed from a distance and close up to consider crown shape, landscape context and surroundings.

Simple tools can be used in a Level 2 'Basic Assessment' to acquire more information about the tree or any potential defects, including a mallet used to 'sound' the tree and listen for tone variations that may indicate hollows or decay.

All trees previously subjected to a Level 2 'Basic Assessment' in January 2018 were assessed again using a Level 2 'Basic Assessment' regardless of whether or not they were considered to have substantial failures or faults with a high probability of causing damage to persons or property.

The following data was collected for trees assessed using a Level 2 'Basic Assessment':

- Location
- Image of Tree
- Genus and Species
- Canopy Size (height x width)
- Diameter at Breast Height (DBH)
- Health
- Structure
- Useful Life Expectancy (ULE)
- Defects
- Risk Assessment
- Recommended Works.

Each tree targeted for a Level 2 'Basic Assessment' has been labelled with a unique asset identification number by stapling laser printed numbers onto the trunk.

For full details of the information collected see Appendix 1.

3.2 Risk Assessment

A risk assessment using Quantified Tree Risk Assessment, Version 5 (Ellison 2015) has been conducted on all trees identified for a Level 2 assessment. The risk assessment method has the following components:

- Probability of failure (PF)
- Size of part likely to fail (FS)
- Target occupancy (TO)

The probability of failure rating is attributed to the tree part that is most likely to fail under normal conditions within the next 12 months.

The failure size rating is attributed to the branch or trunk that is most likely to fail and cause the most damage under normal conditions over the next 12 months.

The target occupancy is attributed to the object that is most likely to be hit / injured / damaged in the event of failure.

The QTRA Risk Score methodology is probabilistic and the lower the value the higher the risk. The risk score is presented as a numeric value however it is properly expressed as a fraction e.g. Risk Score = 1,440 indicates that the predicted event has a 1/1,440 chance of occurrence. 1/1 indicates that an event is certain to occur and 1/10,000,000 indicates that it is extraordinarily unlikely.

QTRA Version 5 uses Monte Carlo simulations to arrive at a mean value for the risk score values. In short, Monte Carlo simulations mean QTRA calculators work out the 'most likely' Risk of Harm from 10,000 possible outcomes for each combination of PF, FS and TO Range.

QTRA Risk Harm of Score has been categorised by Remote Area Tree Services as ranging from 'Very High' to 'Very Low' risk of harm. The incremental rise between categories increases by orders of magnitude as the risk assessment operates on an exponential scale.

Table 2. Summary of the RATS risk assessment categories

RATS Risk Category	QTRA Risk of Harm Score
Very High	<1/4,000
High	1/5,000
Moderate	1/10,000 to 1/1,000,000
Low	1/3,000,000 to 1/5,000,000
Very Low	>1/10,000,000

The method does not provide predictions of what will or will not happen but an estimate of the risk from any particular tree hazard. The purpose of QTRA is not necessarily to provide high degrees of accuracy, but rather to provide for the quantification of risks and to assist in the prioritisation of tree works within a group of trees.

Further detail regarding the Risk Assessment method and definitions for the categories assigned can be seen in Appendix 2.

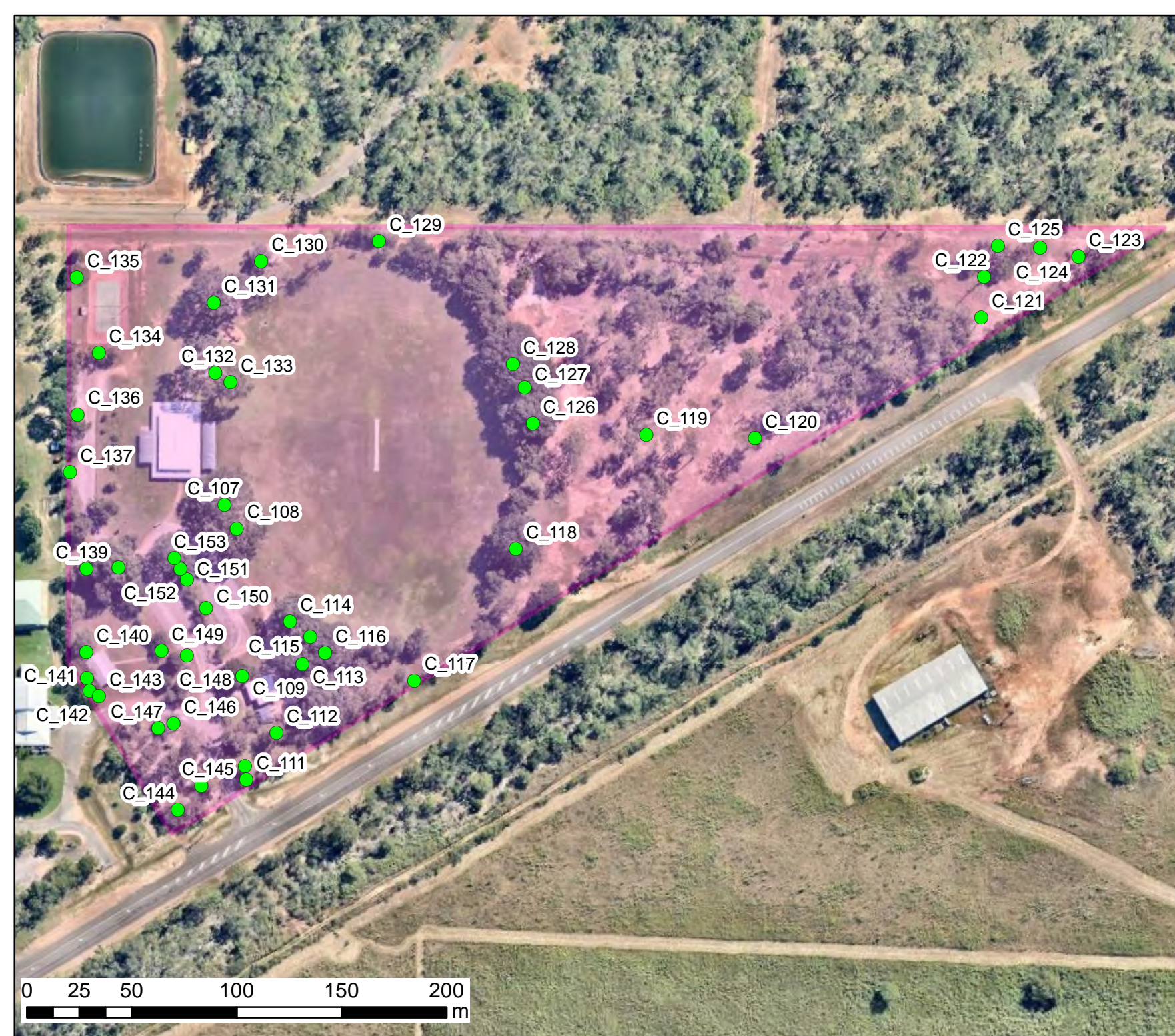
**Litchfield
Council
Recreation
Reserve
Arborist
Assessments
July 2018**

Assessed Area




Remote Area Tree Services
Richard Kenyon
0411 981 545
www.remotetrees.com.au

Page 55 of 197



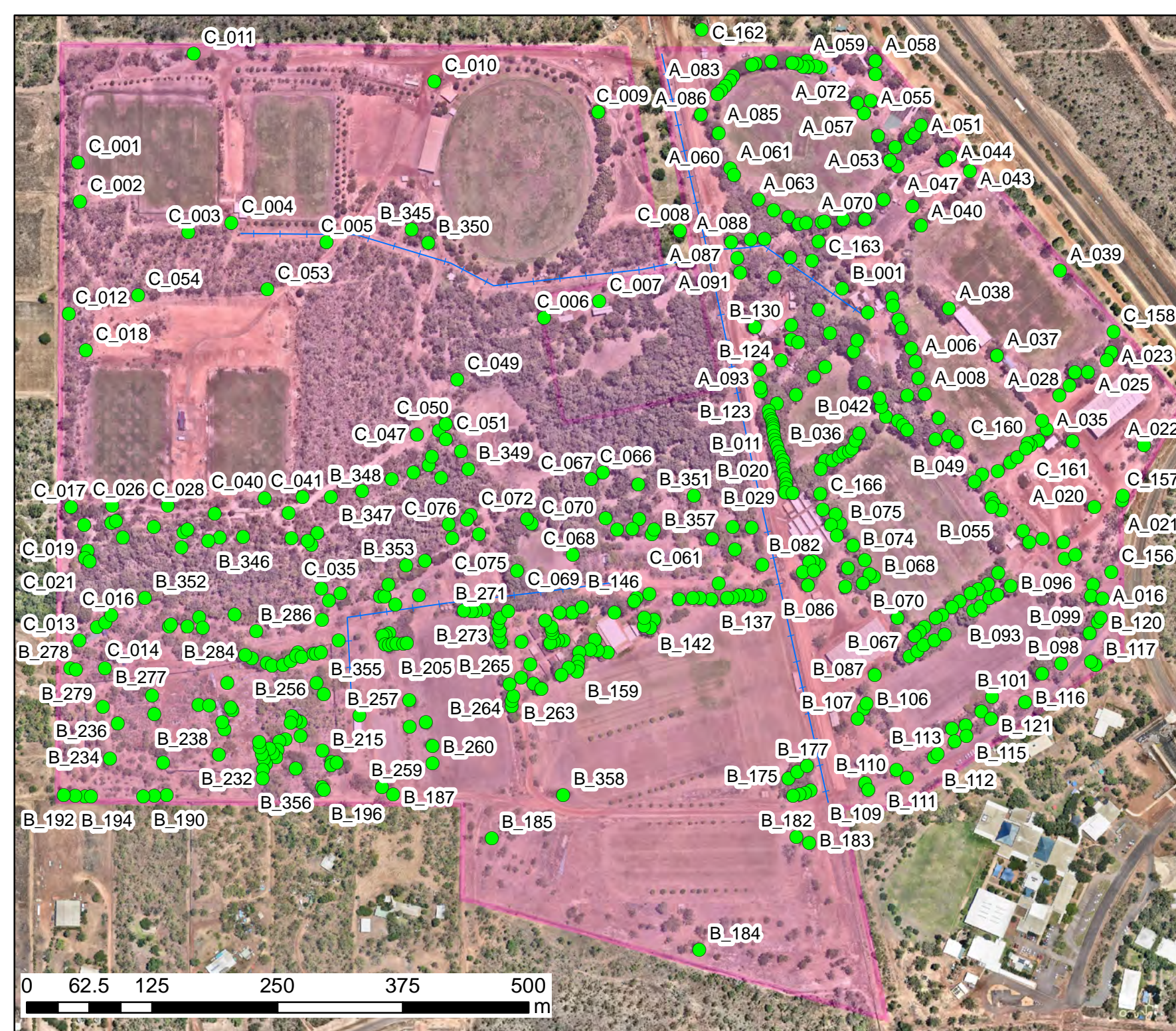
**Litchfield
Council
Recreation
Reserve
Arborist
Assessments
July 2018**

- Trees
- Powerlines
- Assessed Area



Remote Area Tree Services
Richard Kenyon
0411 581 545
www.remotetrees.com.au

Page 56 of 197



4.3 Site Map- Howard Park Rec Reserve

Litchfield Council Recreation Reserve Arborist Assessments July 2018

Legend

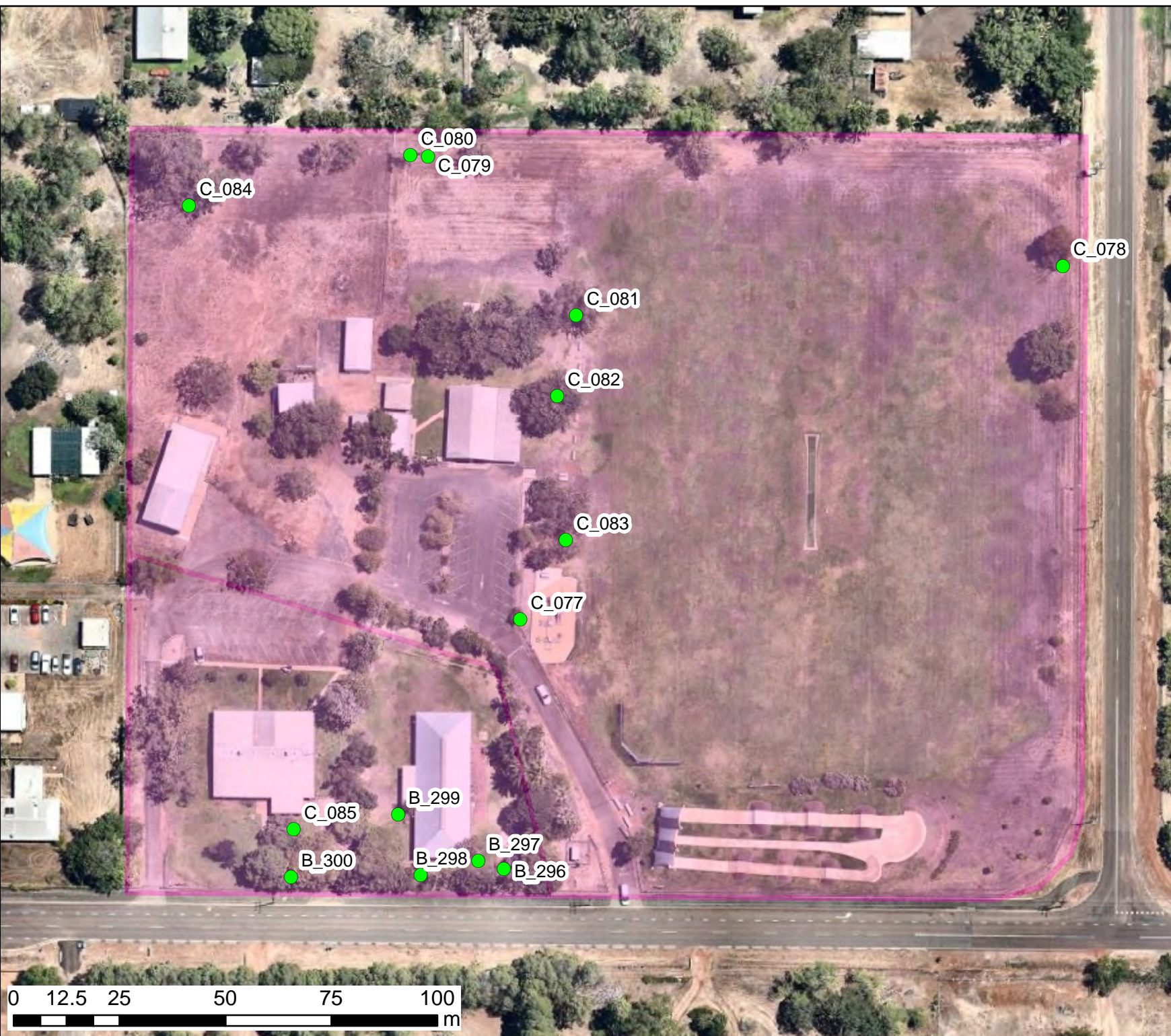
● Trees

■ Assessed Area



Base information supplied by: Nearmap
Plotted: JMB
Date: 31-08-2018
Projection: GDA 1994 MGA Zone 52

 Remote Area Tree Services
Richard Kenyon
nat 96 949
www.remotetrees.com.au



4.4 Site Map- Humpty Doo Village Green

Litchfield Council Recreation Reserve Arborist Assessments July 2018

Legend

● Trees

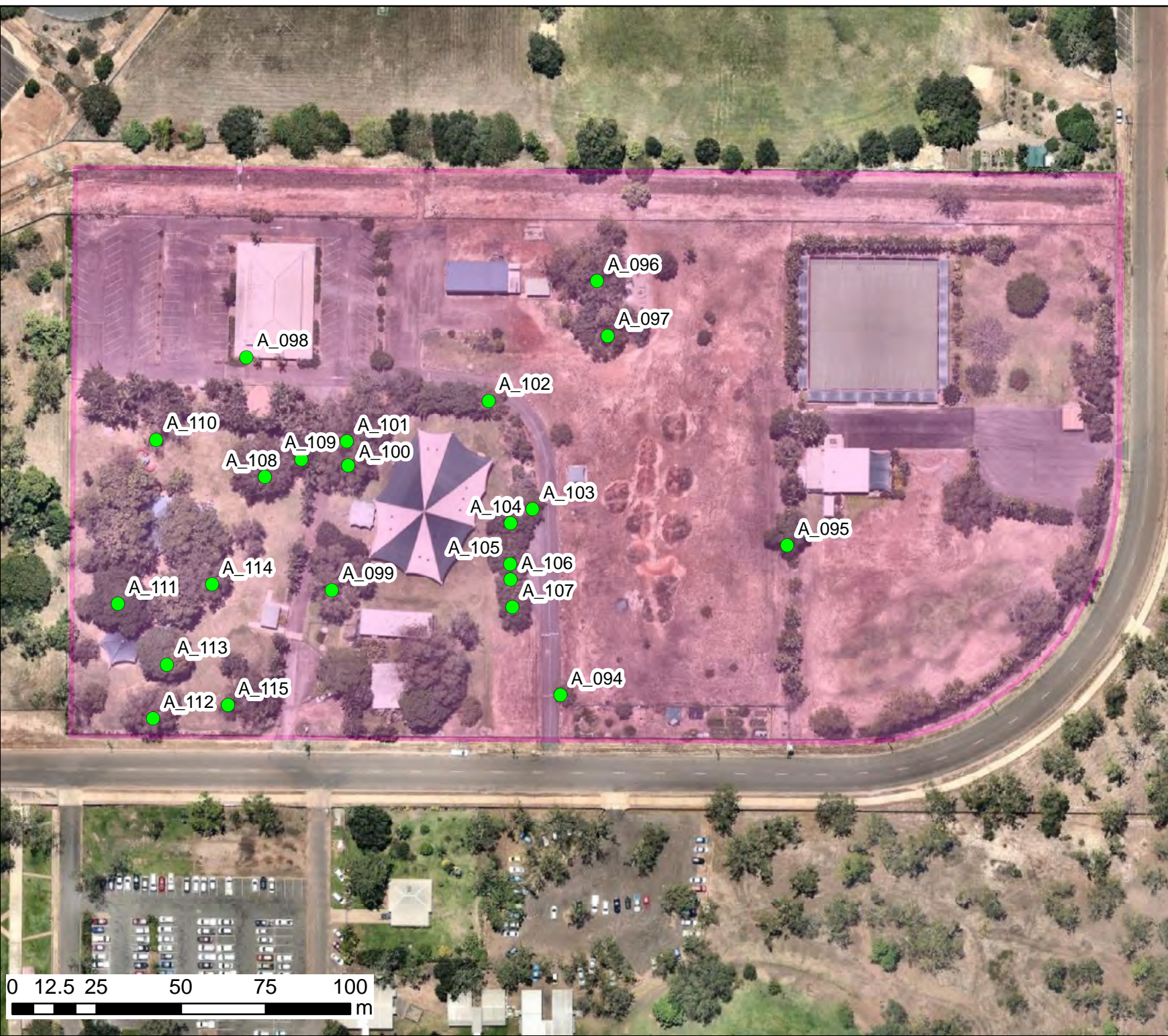
Assessed Area



Base information supplied by: Nearmap
Plotted: JMB
Date: 31-08-2018
Projection: GDA 1994 MGA Zone 52

 Remote Area Tree Services
Richard Kenyon
nat 96 545
www.remotetrees.com.au





Page 58 of 197



4.5 Site Map- Knuckey Lagoon Rec Reserve

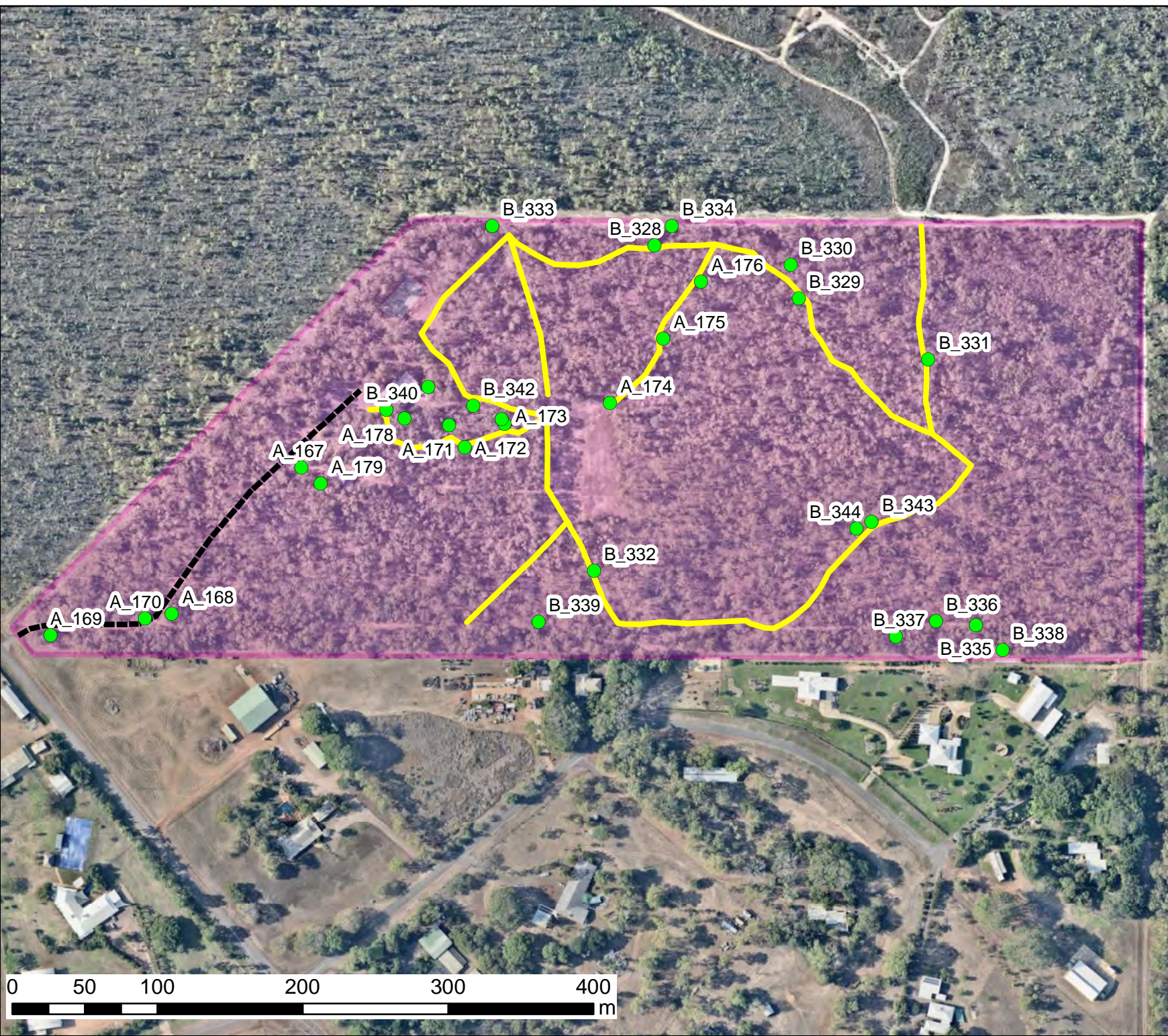
Litchfield Council Recreation Reserve Arborist Assessments July 2018

Legend

-  Trees
-  Assessed Area
-  Driveway
-  Walking Trails



Base information supplied by: Nearmap
Plotted: JMB
Date: 31-08-2018
Projection: GDA 1994 MGA Zone 52



4.6 Site Map- Livingstone Rec Reserve

Litchfield Council Recreation Reserve Arborist Assessments July 2018

Legend

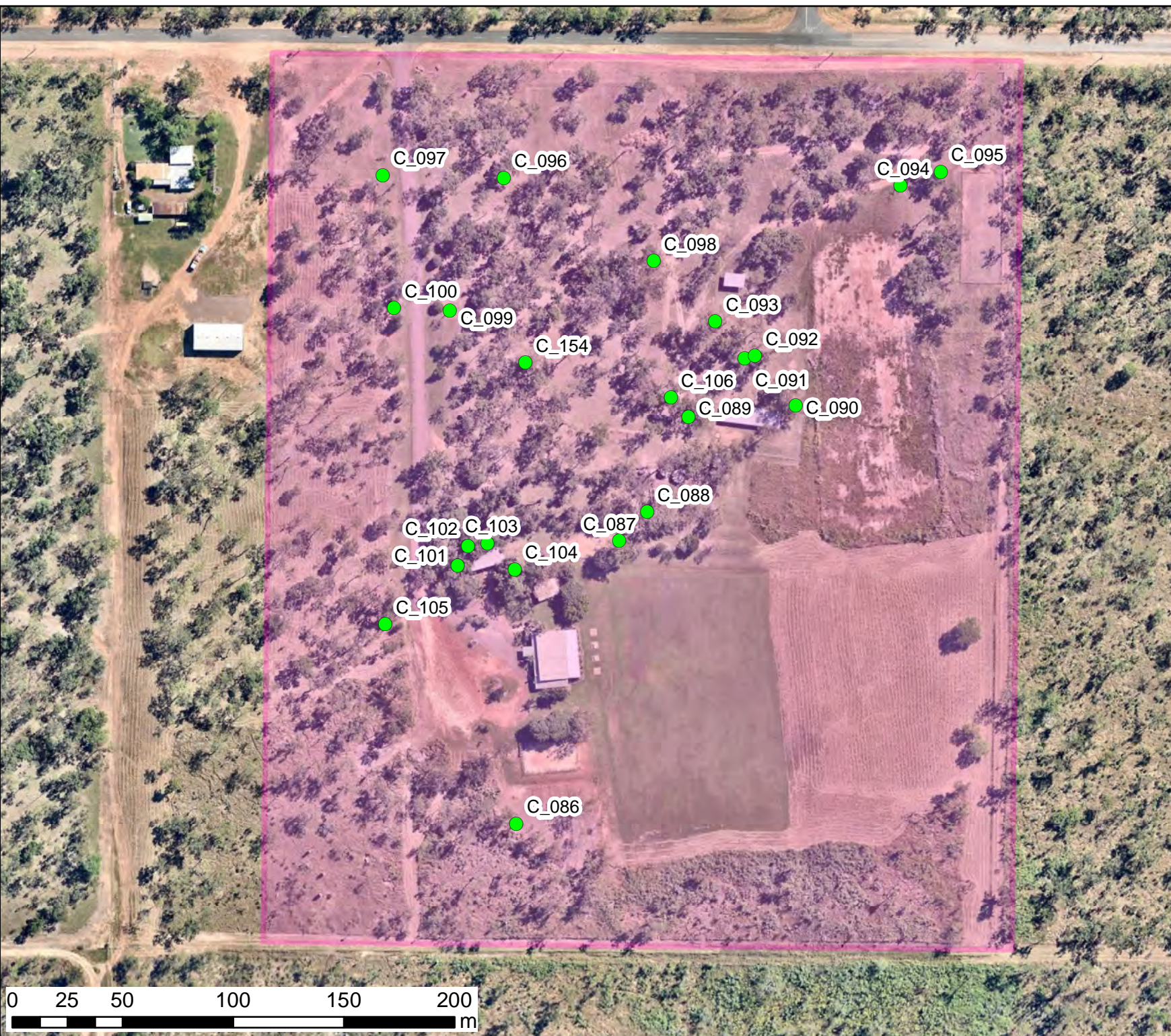
● Trees

Assessed Area



Base information supplied by: Nearmap
Plotted: JMB
Date:31-08-2018
Projection: GDA 1994 MGA Zone 52

 Remote Area Tree Services
Richard Kenyon
nat 96 545
www.remotetrees.com.au



4.7 Site Map- McMinns Lagoon Rec Reserve

Litchfield Council Recreation Reserve Arborist Assessments July 2018

Legend

● Trees

Assessed Area

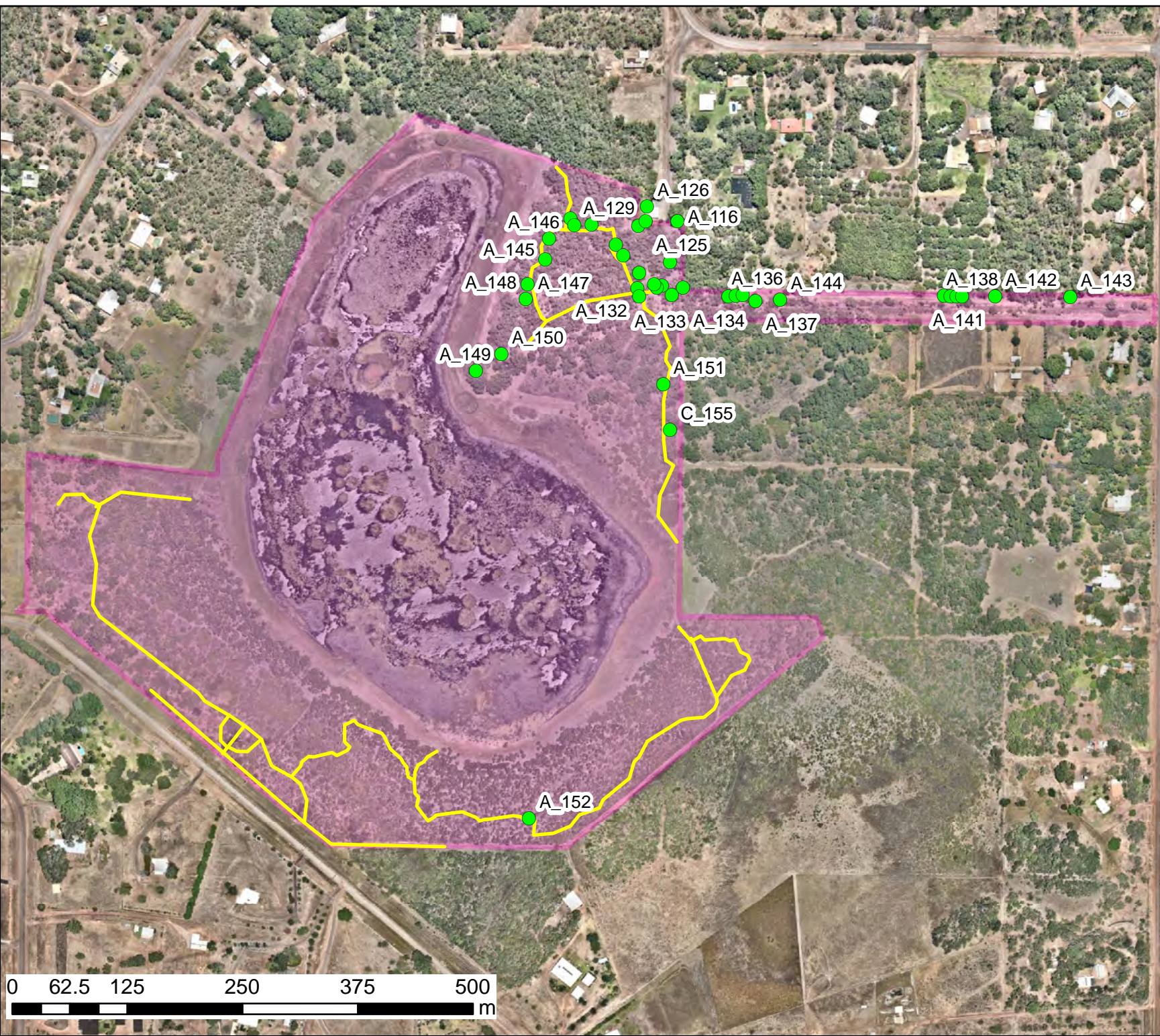
Walking Trails



Base information supplied by: Nearmap
Plotted: JMB
Date: 31-08-2018
Projection: GDA 1994 MGA Zone 52

 Remote Area Tree Services
Richard Kenyon
nat 96 545
www.remotetrees.com.au

Page 61 of 197



0 62.5 125 250 375 500
m

4.8 Site Map- Thorak Regional Cemetery

Litchfield
Council
Recreation
Reserve
Arborist
Assessments
July 2018

Legend

● Trees

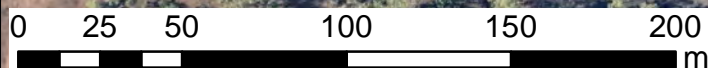
■ Assessed Area



Base information supplied by: Nearmap
Plotted: JMB
Date: 31-08-2018
Projection: GDA 1994 MGA Zone 52

 Remote Area Tree Services
Richard Kenyon
nat 96 545
www.remotetrees.com.au

Page 62 of 197



6. Observations / Discussion

6.1 General Site Information

Eight separate locations were assessed throughout Litchfield Shire. Aside from one, (Thorak Regional Cemetery) the sites are recreation reserves consisting of various combinations of sporting fields, bushland, walking trails, playgrounds, buildings and carparks.

6.2 January 2018 Tree Assessments

In January 2018 all eight sites were originally inspected with approximately 6,475 trees assessed using a Level 1 'Limited Visual Inspection' and a total of 672 identified and assessed using a Level 2 'Basic Assessment'.

The works recommendations arising from these assessments consisted predominantly of removal of dead and decayed branches/whole trees, risk reduction pruning, and pruning branches away from property and assets (

Table 3).

Table 3: Summary of January 2018 works recommendations by site

Job Address	Removals	Pruning Works	Other Works	Total Level 2 Inspections
Berry Springs Reserve	20	27	0	47
Freds Pass Recreation Reserve	207	232	25	464
Howard Park Recreation Reserve	8	6	0	14
Humpty Doo Village Green	0	22	0	22
Knuckey Lagoon Recreation Reserve	19	7	0	26
Livingstone Recreation Reserve	13	8	0	21
McMinns Lagoon Recreation Reserve	27	10	0	37
Thorak Regional Cemetery	10	31	0	41
TOTAL	304	343	25	672

Following cyclone Marcus, Litchfield Council have requested that all sites be reassessed in order to identify any additional trees that may require works due to damage incurred during the cyclone.

6.3 July/August 2018 Tree Assessments

6.3.1 Overview

Across all eight sites, 703 trees were assessed using a Level 2 'Basic Assessment'. Of these;

- 104 were trees assessed in January that have since been removed
- 31 trees were previously only subjected to a Level 1 assessment but now require works
- 568 were reassessments of trees subjected to a Level 2 inspection in January

6.3.2 Works and Priority

573 trees have been recommended for works. As with the previous report, the majority of recommended works involve removal of dead and decayed branches/whole trees, risk reduction pruning, and pruning of branches clear of property and assets.

130 trees do not require works as either the previous recommendations have been completed or the trees have been removed.

All recommended works have been assigned a priority of either 'Urgent' or 'High'.

- **'Urgent'** priority works should be completed within 1 month of receiving this report
- **'High'** priority works should be completed within 12 months of receiving this report

The ten trees requiring 'Urgent' priority works are listed in Table 4.

Table 4: Summary of 'Urgent' priority works

Site	Tree	Total
Berry Springs	C_145	1
Fred's Pass	A_071	1
Knuckey Lagoon	B_344	1
Livingstone Reserve	C_098	1
McMinns Lagoon	A-119, A_135, A_149, and C_155	4
Thorak Cemetery	A_164 and B_315	2

The following sections provide a summary of the recommended works and risk assessments for each site.

The data for all trees assessed using a Level 2 assessment can be found in Appendix 3.1



6.4 Berry Springs Recreation Reserve

One tree (C_145) has been recommended for 'Urgent' removal. All other works recommended for Berry Springs Recreation Reserve have been assigned a priority of 'High' and thus should be completed with 12 months.

6.4.1 Risk Assessment Summary

Table 5: Berry Springs Recreation Reserve risk assessment summary table

Number of Level 1 Tree Assessments: 230		
Number of Level 2 Tree Assessments: 47		
RATS Risk Category	Number of Trees	Recommended Works
Very High	1	Removal
High	0	NA
Moderate	9	Removal Risk reduction pruning Codominant reduction
Low	27	Removal Risk reduction pruning Codominant reduction Property/asset clearance Mulch rootzone Epicormic removal
Very Low	10	Removal Property/Asset clearance Canopy lift
Total	47	



6.5 Freds Pass Reserve

One tree (A_071) has been recommended for 'Urgent' removal within Freds Pass Reserve and 84 trees have been removed since the previous site assessment.

6.5.1.1 Risk Assessment Summary

Table 6: Freds Pass risk assessment summary

Number of Level 1 Tree Assessments: 3290			
Number of Level 2 Tree Assessments: 489			
RATS Risk Category	Number of Trees	Recommended Works	
Very High	1	Removal	
High	2	Deadwood removal	Risk reduction pruning
Moderate	49	Removal Risk Reduction pruning Deadwood removal	Codominant reduction/removal Epicormic management
Low	307	Removal Risk Reduction pruning Deadwood removal Property/Asset clearance Codominant reduction/removal	Broken branch removal Epicormic management Canopy lift Individual branch removal
Very Low	130	Removal Risk reduction pruning Deadwood removal Property/Asset clearance	Individual branch removal Broken branch removal Canopy lift
Total	489		

6.5.1.2 *Khaya senegalensis*

Khaya senegalensis (African Mahogany) originates from central Africa and was first planted in the Northern Territory in 1959 (Hearne and Rance 1975). It is a fast growing shade tree that is semi-deciduous. The species has dark green foliage typically forming a dense crown, smooth, grey bark and varies in height at maturity from 15-30m

Khaya senegalensis accounted for 190 of the 489 trees assessed using a Level 2 'Basic Assessment' within Fred's Pass Recreation Reserve. As discussed in the previous report (January 2018), many of the *Khaya senegalensis* located within the reserve have been subjected to poor pruning practices in the past where limbs have been 'lions-tailed'.

'Lion's tailing' occurs when pruning is undertaken which strips large branches from along major scaffold branches rather than reducing and pruning the smaller tip or terminal branches, leaving the branch resembling a lion's tail (Figure 1).

Risk reduction pruning of extended branches can reduce the possibility of sudden limb failure. As such, the majority of these trees have been recommended for risk reduction pruning. Risk reduction pruning and the importance of correct pruning techniques are further discussed in Section 7.



Figure 1: Tree A_001 displaying extended, end-weighted branches

6.6 Howard Park Recreation Reserve

Three trees have been removed since the previous site assessment of Howard Park was undertaken (B_299, C-077, and C-083). None of the remaining trees were recommended for 'Urgent' priority works.

6.6.1 Risk Assessment Summary

Table 7: Howard Park Recreation Reserve risk assessment summary table

Number of Level 1 Tree Assessments: 150		
Number of Level 2 Tree Assessments: 14		
RATS Risk Category	Number of Trees	Recommended Works
Very High	0	NA
High	0	NA
Moderate	2	Removal Deadwood removal Canopy lift
Low	6	Removal Deadwood removal
Very Low	6	Removal Property/Asset clearance
Total	14	



6.7 Humpty Doo Village Green

No trees were recommended for 'Urgent' works, and two trees (A_099 and A_112) have been removed since the previous assessments.

6.7.1 Risk Assessment Summary

Table 8: Humpty Doo Village Green risk assessment summary table

Number of Level 1 Tree Assessments: 240		
Number of Level 2 Tree Assessments: 22		
RATS Risk Category	Number of Trees	Recommended Works
Very High	0	NA
High	0	NA
Moderate	0	NA
Low	7	Risk reduction pruning Deadwood removal Individual branch removal
Very Low	15	Risk reduction pruning Deadwood removal Canopy lift Property/Asset clearance
Total	22	

6.8 Knuckey Lagoon Recreation Reserve

One tree (B_344) within Knuckey Lagoon Recreation Reserve has been recommended for 'Urgent' removal and five trees have been removed since the January 2018 assessments were completed.

As stated in the previous report, given that much of the site consists of bushland areas it may be appropriate to leave removed trees onsite as logs (see Figure 2), provided that they do not impede the intended usage of the given area.

6.8.1 Risk Assessment Summary

Table 9: Knuckey Lagoon Recreation Reserve risk assessment summary table

Number of Level 1 Tree Assessments: 900		
Number of Level 2 Tree Assessments: 30		
RATS Risk Category	Number of Trees	Recommended Works
Very High	0	NA
High	0	NA
Moderate	0	NA
Low	4	Removal
Very Low	26	Removal Deadwood removal Risk reduction pruning Broken branch removal
Total	30	



6.9 Livingstone Recreation Reserve

One tree (C_087) has been removed since the previous assessment and one tree (C_098) has been recommended for 'Urgent' removal.

6.9.1 Risk Assessment Summary

Table 10: Livingstone Recreation Reserve risk assessment summary table

Number of Level 1 Tree Assessments:445		
Number of Level 2 Tree Assessments: 22		
RATS Risk Category	Number of Trees	Recommended Works
Very High	1	Remove hanging branch Risk reduction pruning
High	0	NA
Moderate	3	Removal
Low	17	Removal Deadwood removal Broken branch removal Risk reduction pruning Property/Asset clearance
Very Low	1	No works
Total	22	

6.10 McMinns Lagoon Recreation Reserve

Four trees (A_119, A_135, A_149, and C_155) within McMinns Lagoon Recreation Reserve have been recommended for 'Urgent' removal and two trees (A_125 and A_132) have been removed since the previous inspections.

As with parts of Freds Pass and Knuckey Lagoon Reserves, given that much of the site consists of bushland, it may be appropriate to leave some removed trees onsite as logs (Figure 2), provided that they do not impede the intended usage of the given area.



Figure 2: Remnants of a removed tree left onsite among bushland vegetation

6.10.1 Risk Assessment Summary

Table 11: McMinns Lagoon Recreation Reserve risk assessment summary table

Number of Level 1 Tree Assessments: 600		
Number of Level 2 Tree Assessments: 38		
RATS Risk Category	Number of Trees	Recommended Works
Very High	1	Removal
High	0	NA
Moderate	2	Removal
Low	22	Removal Risk reduction pruning Individual branch removal Canopy lift
Very Low	13	Removal
Total	38	

6.11 Thorak Regional Cemetery

Within Thorak Regional Cemetery two trees (A_164 and B_315) have been recommended for 'Urgent' priority works. Since the previous inspections, six trees (A_163, B_301, B_304, B_305, B_313, and B_317) have been removed.

As discussed in the January 2018 report, there is a group of four palms and three palm stumps in the north-west of the site which all require removal.

- Three of the palms (B_321, B_325, and B_326) are recommended for removal due to general poor health and/or structure
- Four (B_322, B_323, B_324, and B_327) are believed to have been effected by an unknown pathogen which has caused their decline. The trunk of Tree B_324 appears swollen at some points and thins out at other points (Figure 3), which may be an indication of fungal damage. While changes in trunk diameter such as this could also be attributed to variations in moisture and/or nutrient availability throughout the life of the palm, the added presence of canopy dieback and the death of three adjacent trees points towards a fungal infection as the cause of the decline. A positive confirmation of this would require tissue samples be taken from the trees and sent away for testing.
- Although Trees B_322, B_323, and B_327 are stumps and obviously can no longer cause harm through tree failure, the pathogen may be present in the stumps and they should be removed as a precautionary measure in order to reduce the chances of additional trees becoming infected.



Figure 3: Thinned section of Tree B_324 trunk highlighted in red



6.11.1 Risk Assessment Summary

Table 12: Thorak Regional Cemetery risk assessment summary table

Number of Level 1 Tree Assessments: 620		
Number of Level 2 Tree Assessments: 41		
RATS Risk Category	Number of Trees	Recommended Works
Very High	0	NA
High	0	NA
Moderate	0	NA
Low	14	Removal Broken branch removal Risk reduction pruning Deadwood removal Codominant reduction/removal Property/asset clearance Individual branch removal
Very Low	27	Removal Risk reduction pruning Canopy lift Codominant reduction/removal Property/asset clearance Individual branch removal
Total	41	

7. Works Definitions

7.1 Canopy lift

Canopy lifting involves reducing or removing lower branches in order to provide clearance or visibility for pedestrians, vehicles or buildings.

Removal of lower branches alters the natural form of the tree and if excessive can be detrimental to tree stability. Removal of lower branches should be undertaken to the minimum extent required to provide necessary clearances.

7.2 Codominant reduction/removal

Codominant trunks are a common reason for reducing a tree's structure rating. In normal development, branches attach to the trunk of the tree via a series of interlocking wood fibres. As the tree grows, fibres from the branch are 'overlaid' by fibres from the trunk and then branch fibres overlay the trunk fibres (Shigo 1991).

Where multiple stems develop from the trunk, the same degree of fibre interlocking is not exhibited leading to a weaker attachment. In many situations where dual-leaders have developed, the wood fibres actually become ingrown. This is known as 'included bark' and can be readily identified in a stem crotch. Codominant trees with included bark have a higher failure potential as they can literally split apart (Shigo 1991). Complete stem failure in trees with large codominant stems is possible and can often be avoided through proactive management.



Figure 4: Tree A_165, an *Allosyncarpia ternata* with codominant stems

To reduce the hazard associated with the codominant branch unions, one or more of the codominant stems can either be removed completely or incrementally reduced through a

number of pruning events over a period of time. Removal or reduction of the less significant leader allows the remaining stem to gain dominance and continue to grow, improving the structure of the tree and reducing the likelihood of failure.

7.3 Deadwood and broken/hanging branch removal

The high temperature and humidity in the wet season can cause rapid decay of dead branches in live trees. Any deadwood identified should be removed down to 50mm in diameter.

Broken and hanging branches can pose a substantial hazard and even branches as small as 50mm in diameter can be considered serious if they have a long, clear route of fall (Lonsdale 1999). All broken, cracked or severely damaged branches in the canopy should be removed.

7.4 Manage epicormics

Epicormic shoot growth is produced from dormant buds that lie beneath the bark surface. This growth is poorly attached when first produced and once the resultant branches reach a large size, they can be prone to failure (Shigo 1991).

Epicormic management is similar in practice to risk reduction pruning in that the purpose is to reduce the length of each epicormic shoot. The aim is to increase the taper of the limbs and subsequently the size of the shoot at the attachment point. It is very common for several epicormic shoots to arise from one point where ordinarily there would be one or possibly two branches. Some thinning of the number of shoots may be warranted to try and develop a healthy and sound crown over time.

7.5 Property/asset clearance

The branches in the canopy of the tree should be reduced or removed to ensure clearances from buildings and other assets are maintained as rubbing branches have the potential to cause costly damage. While ensuring that building clearance is maintained, it should be noted that it is acceptable for branches to overhang a building, provided a vertical clearance of no less than two metres is maintained (Figure 5).

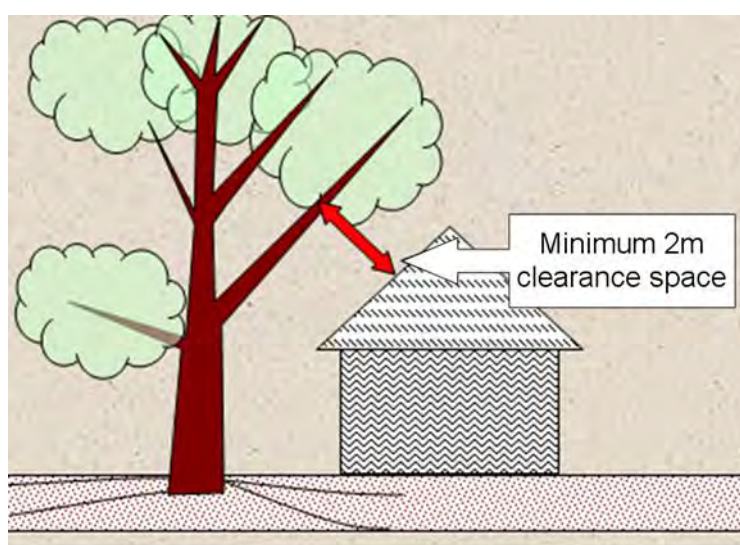


Figure 5: Asset clearance requirements near buildings

7.6 Risk reduction pruning

Risk reduction pruning of extended branches can reduce the possibility of sudden limb failure. Risk reduction pruning involves selectively pruning to reduce the 'end' or tip weight on long and extended branches.

Risk reduction pruning should start from the ends of branches (3rd order) and work back so as to prevent 'lion's tailing'. 'Lion's tailing' occurs when reduction pruning is undertaken, but rather than reducing and pruning the smaller tip or terminal branches <50mm (3rd order), larger branches >50mm (2nd order) are stripped from along the major scaffold branches (1st order) (Figure 6). This results in foliage being concentrated at the end of first order structural branches, leaving tip-heavy branches and over extended branches.

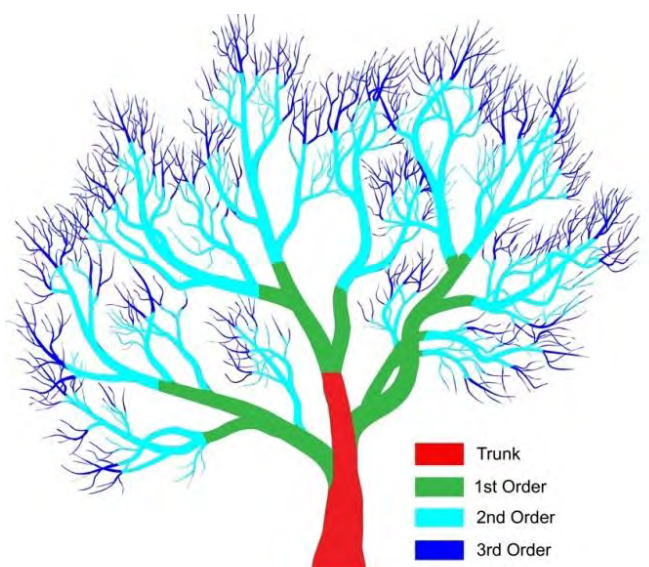


Figure 6: Tree structure representing multiple branching orders. Risk reduction pruning should aim to reduce the tips or terminal points of the branch, starting in the foliage and 3rd order branches.

Individual limbs that have been stripped of 2nd order branches along their length have an increased lever arm. The force of both gravity and wind is magnified by the length of the lever arm. Thus, a 'lion's tailed' limb can experience greater stress (Dunster et al, 2013), dramatically increasing the risk of branch failure. 'Lion's tailing' pruning also significantly reduces the viability of pruning options in the future.

Wind gusts and turbulence exert complex and dynamic loads within the tree canopy. In high wind velocities, trees rely on a network of branches and twigs with different diameters and lengths to dissipate wind energy, slowing the movement of the larger branches and reducing the force transferred into the trunk and the roots. Trees that have been stripped of interior or lower branches have a reduced ability to dampen the forces within the crown so more force is transferred to the trunk, resulting in higher stress in the trunk and roots (Dunster et al, 2013). This increases the risk of whole tree failure.

In some cases it may be necessary to additionally remove 2nd order branching to achieve a particular outcome; however, cuts should be limited to a size of no greater than 30-100mm diameter where possible. The aim of this pruning is to reduce the potential for large limb failure by reducing the force exerted upon the union. These works will require qualified and experienced arborists to complete.

Generally branches up to 100mm in diameter can be removed. Branches greater than 100mm should only be removed in consultation with a qualified arborist.



7.7 Removal

When removing trees, consideration should be given to the effect on nearby retained trees. When end loaded stems or branches become newly exposed to strong winds due to the removal of nearby trees, failure can become more likely (Lonsdale 1999). It is therefore recommended that tree removals are undertaken prior to pruning of retained trees, so pruning works are responsive to altered conditions.

In order to accommodate replanting, trees should be removed to ground level and stumps ground out to 300mm depth below the existing grade. Grindings should be placed back in the hole in a neat and presentable manner. This will allow replacement trees to be established nearby, and will prevent trip hazards.

8. Conclusion

Approximately 6,475 trees were inspected using a Level 1 'Limited Visual Inspection' with 703 trees further assessed using a Level 2 'Basic Assessment' and recorded across eight different sites within the Litchfield Shire Council.

Each of the 703 trees assessed using a Level 2 'Basic Assessment' was subjected to a risk assessment using Quantified Tree Risk Assessment (QTRA) with the following results:

Table 13: Risk category summary across all sites.

RATS Risk Category	Number of Trees in Category
Very high	4
High	2
Moderate	65
Low	404
Very low	228
Total	703

573 trees have been recommended for works while 130 trees do not require works as the previous recommendations have been completed or the trees have been removed.

Works recommendations included removal or pruning, predominantly in order to improve their structural condition, reduce the likelihood of tree / limb failure or clear branches away from property or fixed assets.

All recommended works have been assigned a priority of either 'High' or 'Urgent'. A summary of trees recommended for 'Urgent' priority works can be found in Appendix 3.1.



9. References

- AS 4373, 2007, *Australian Standard, Pruning Amenity Trees*, 2nd Edition Standards Australia.
- Dunster, J., Smiley, E., Matheny, N. and Lilly, S., 2013, *Tree risk assessment manual*, International Society of Arboriculture, pp. 93-95, Champaign, Illinois.
- Ellison, M.J., 2005, 'Quantified tree risk assessment used in the management of amenity trees', *Journal of Arboriculture* 31(2) 2005, International Society of Arboriculture, Champaign, Illinois, USA.
- Hearne, D. A. and Rance, S J., 1975, *Trees for Darwin and Northern Australia*, Australian Government Publishing Service, Canberra.
- Lonsdale, D., 1999, *Principles of Tree Hazard Assessment and Management*, The Stationery Office, London.
- Ellison, MJ 2015, *Quantified Tree Risk Assessment User Manual Version 5*, Quantified Tree Risk Assessment Ltd.
- Smiley, E.T., N. Matheny, and S. Lilly. 2011, *Best Management Practices: Tree Risk Assessment*, International Society of Arboriculture, Champaign, Illinois.
- Shigo, A.L., 1991 *Modern Arboriculture*, Shigo and Trees, Associates, Durham, New Hampshire.

Appendix 1. Data Collection Definitions

The information collected on each specimen was based on the assessor's experience and opinion of each of the trees. Included are the descriptions for each of the listed categories. The following information was collected on each tree.

1.1 Botanical name:

The genus, species and common name.

1.2 Tree Origin

Table 14: Tree Origin Definition

Term	Definition
Exotic	The species originates in a country other than Australia.
Native	The species originates within Australia.
Indigenous	The species originates within the local environs.

1.3 Canopy dimensions

Height and width (approximate) of the canopy in metres.

1.4 DBH

Diameter at breast height (estimated at 1.4m above ground level).

1.5 Health

Table 15: Health Definition

Term	Definition
Excellent	The tree is demonstrating excellent or exceptional growth. The tree should exhibit a full canopy of foliage and be free of pest and disease problems.
Good	The tree is demonstrating good or exceptional growth. The tree should exhibit a full canopy of foliage, and have only minor pest or diseases problems.
Fair	The tree is in reasonable condition and growing well. The tree should exhibit an adequate canopy of foliage. There may be some deadwood present in the crown. Some grazing by insects or possums may be evident.
Poor	The tree is not growing to its full capacity; extension growth of the laterals is minimal. The canopy may be thinning or sparse. Large amounts of deadwood may be evident throughout the crown. Significant pest and disease problems may be evident or symptoms of stress indicating tree decline.
Very Poor	The tree appears to be in a state of decline. The tree is not growing to its full capacity. The canopy may be very thin and sparse. A significant volume of deadwood may be present in the canopy or pest and disease problems may be causing a severe decline in tree health.
Dead	The tree is dead.



1.6 Structure

Table 16: Structure Definition

Term	Definition
Good	The tree has a well defined and balanced crown. Branch unions appear to be strong, with no defects evident in the trunk or the branches. Major limbs are well defined. The tree is considered a good example of the species.
Fair	The tree has some minor problems in the structure of the crown. The crown may be slightly out of balance, and some branch unions may be exhibiting minor structural faults. If the tree has a single trunk, it may be on a slight lean or exhibiting minor defects.
Poor	The tree may have a poorly structured crown. The crown may be unbalanced or exhibit large gaps. Major limbs may not be well defined. Branches may be rubbing or crossing over. Branch unions may be poor or faulty at the point of attachment. The tree may have suffered root damage.
Very Poor	The tree has a poorly structured crown. The crown is unbalanced or exhibit large gaps with possibly large sections of deadwood. Major limbs may not be well defined. Branches may be rubbing or crossing over. Branch unions may be poor or faulty at the point of attachment. Branches may exhibit large cracks that are likely to fail in the future. The tree may have suffered major root damage.
Failed	The tree has a very poorly structured crown. A section of the tree has failed or is in imminent danger of failure.

1.7 Useful Life Expectancy (ULE) Rating

Useful Life Expectancy is approximately how long a tree can be retained safely and usefully in the landscape.

Table 17: ULE Definition

Term	Definition
Unsafe	The tree is considered dangerous in the location and has no significant amenity value.
Less than 5 years	The tree, under normal circumstances and without extra stresses being imposed on it, should be safe and have value for up to five years, but will need to be replaced. During this period, normal inspections and maintenance will be required. If possible, replacement trees should be planted.
5 – 10 years	The tree, under normal circumstances and without extra stresses being imposed on it, should be safe and of value for up to ten years. During this period, normal inspections and maintenance will be required.
11 – 20 years	The tree, under normal circumstances and without extra stresses being imposed on it, should be safe and of value for up to twenty years. During this period, normal inspections and maintenance will be required.
20 – 40 years	The tree, under normal circumstances and without extra stresses being imposed on it, should be safe and of value for up to forty years. During this period, normal inspections and maintenance will be required.
Greater than 40 years	The tree, under normal circumstances and without extra stresses being imposed on it, should be safe and of value for greater than forty years. During this period, normal inspections and maintenance will be required.



Appendix 2. Risk Assessment Methodology

2.1 Risk Score Overview

Many organisations now require an assessment of the potential risk or hazard that each tree presents. Risk scores, generated as part of the data collection methodology, often link to digital photography.

Risk scores and data collection methodology methods are not standardised and can vary. The Quantified Tree Risk Assessment (QTRA) (Ellison 2015) method has been adopted here and has the following elements:

QTRA methodology is probabilistic - the lower the value the higher the risk. The risk score is presented as a numeric value however it is properly expressed as a fraction. For example, a risk score of 344 indicates that the predicted event has a 1/344 chance of occurrence, 1/1 indicates that an event is certain to occur and 1/10 000 000 000 indicates that it is extraordinarily unlikely.

An accepted threshold for the Tolerable Region of risk scores as defined by the Tolerability of Risk Framework (ToR) (HSE 2001) is a 1/10 000 chance of occurrence. Any tree that incurs a risk score lower than 10 000 would be expected to be worked upon within the next twelve months.

2.2 Target Presence (Occupancy)

The target presence is attributed to the object that is most likely to be hit / injured / damaged in the event of failure.

For example: If a tree is overhanging a road it is unlikely that the road will become damaged in the event of tree failure, passing vehicles are more likely to be affected.

Therefore the target range would be attributed according to the volume and frequency of vehicles on that road as shown in Table 18.

Table 18: QTRA Target Ranges

Target Range	Property (repair or replacement cost)	Pedestrian frequency	Vehicular frequency (number per day)	Probability Ratio
1	>\$240,000	Occupation: Constant - 2.5 hours/day Pedestrians & cyclists: 720/hour - 73/hour	28,000 – 2,900 vehicles @ 100km/h 32,000 – 3,300 vehicles @ 80km/h 42,000 – 4,300 vehicles @ 60km/h 47,000 – 4,800 vehicles @ 50km/h	1/1 - >1/10
2	>\$24,000 - \$240,000	Occupation: 2.4 hours/day - 15 min/day Pedestrians & cyclists: 72/hour - 8/hour	2,800 - 290 vehicles @ 100km/h 3,200 - 330 vehicles @ 80km/h 4,200 - 430 vehicles @ 60km/h 4,700 - 480 vehicles @ 50km/h	1/10 - >1/100
3	>\$2,400 - \$24,000	Occupation: 14 min/day - 2 min/day Pedestrians & cyclists: 7/hour - 2/hour	280 - 29 vehicles @ 100km/h 320 - 33 vehicles @ 80km/h 420 - 43 vehicles @ 60km/h 470 - 48 vehicles @ 50km/h	1/100 - >1/1,000



Target Range	Property (repair or replacement cost)	Pedestrian frequency	Vehicular frequency (number per day)	Probability Ratio
4	>\$240 - \$2,400	Occupation: 1 min/day - 2 min/week Pedestrians & cyclists: 1/hour - 3/day	28 - 4 vehicles @ 100km/h 32 - 4 vehicles @ 80km/h 42 - 5 vehicles @ 60km/h 47 - 6 vehicles @ 50km/h	1/1,000 - >1/10,000
5	>\$24 - \$240	Occupation: 1 min/week - 1 min/month Pedestrians & cyclists: 2/day - 2/week	3 - 1 vehicles @ 100km/h 3 - 1 vehicles @ 80km/h 4 - 1 vehicles @ 60km/h 5 - 1 vehicles @ 50km/h	1/10,000 - >1/100,000
6	≤\$24	Occupation: <1 min/month - 0.5 min/year Pedestrians & cyclists: 1/week - 6/year	None	1/100,000 - 1/1,000,000

Where a tree exists over several layers of human traffic frequency it is important to consider the probable failure that is likely to occur from the tree in question in determining the appropriate occupation statistic to identify a target range.

For example a tree may exist within an open park zone for which the human traffic may be in target range 4 (>3 pedestrians per day but <1/hour) attracting a relatively low probability ratio, however, it may also be adjacent to an arterial path with associated human traffic for categorisation in target range 2 (8-72 pedestrians/hour).

If the likely failure from the tree is away from the path then a target range of 4 would be appropriate. However if the likely failure is toward the path then the appropriate target range would be 2.

If the likely failure is of dead wood which is evenly distributed throughout the canopy then the higher range would be used.

If there are several possible types of failure with different failure sizes over different zones of human occupation around a tree then each should be assessed and the values that will produce the highest risk score should be used.

If there is no obvious potential for failure then the higher human occupation range should be used.

2.3 Probability of failure

The probability of failure rating is attributed to the tree part that is most likely to fail under normal conditions within the next three – five years. Strictly speaking this methodology is only concerned with the next twelve months but a greater time frame must be considered because very few trees are actually inspected every twelve months.

Probability of failure is very closely related to the structure of the tree. If a tree has Good structure it should generally not be attributed a Moderate, High or Severe failure potential for significant tree parts. However if the part most likely to fail is dead wood then it may be appropriate for the probability of failure to be Moderate, High or Severe.

Failure potential is attributed to the tree PRIOR TO WORKS BEING COMPLETED. Following the completion of works, the failure potential of the tree would need to be reassessed to ensure that the failure potential was updated.



Figure 7. High failure potential

Table 19. Probability of Failure

Probability of failure	Probability of failure (%)	Probability ratio	Description
1 (Severe)	> 10% – 100%	1 / 1	The structure of the specimen has large and very significant faults and defects. Active failure is often present and branch or trunk failure is imminent. Failure within the next twelve months would appear certain. The probability of failure over the next twelve months is 10 to 100%.
2 (High)	> 1% - 10%	1 / 10	The structure of the specimen has large and significant faults and defects. Branch or trunk failure within the next twelve months would appear likely. The probability of failure over the next twelve months is 1 – 10%.
3 (Moderate)	> 0.1 – 1%	1 / 100	The structure of the specimen has significant faults and defects. Branch or trunk failure within the next twelve months would appear possible. The probability of failure over the next twelve months is 0.1 – 1%.
4 (Low)	> 0.01% – 0.1%	1 / 1,000	The structure of the specimen has some faults that may result in failure but failure is unlikely. The probability of failure over the next twelve months is 0.01 to 0.1%.
5 (Very low)	≤ 0.01%	1 / 10,000	The structure of the specimen has some minor faults that may result in failure but failure is very unlikely. The probability of failure over the next twelve months is less than 0.01%.

2.4 Failure size

The failure size rating is attributed to the branch or trunk that is most likely to cause the most damage under normal conditions over the next three to five years.

Table 20. Failure Size

Size of failure range	Size of part (mm diameter likely to impact target)	Impact potential
1	> 450 mm	1 / 1
2	> 250 mm – 450 mm	1 / 2
3	> 100 mm – 250 mm	1 / 8.6
4	> 25 mm – 100 mm	1 / 82
5	≤ 25 mm	1 / 2,500

2.5 Examples

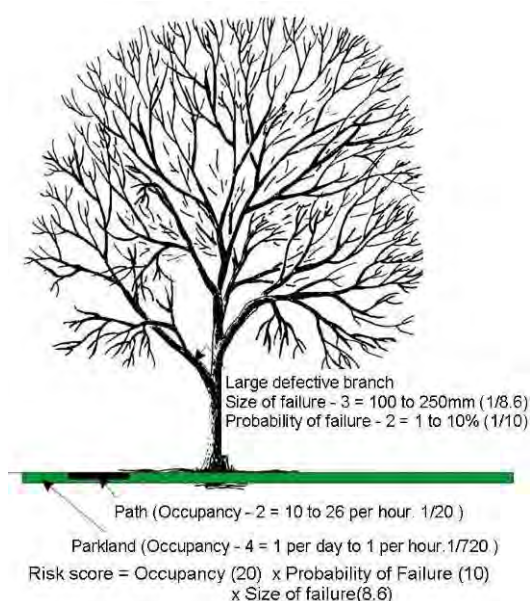


Figure 8. Risk Assessment Example 1

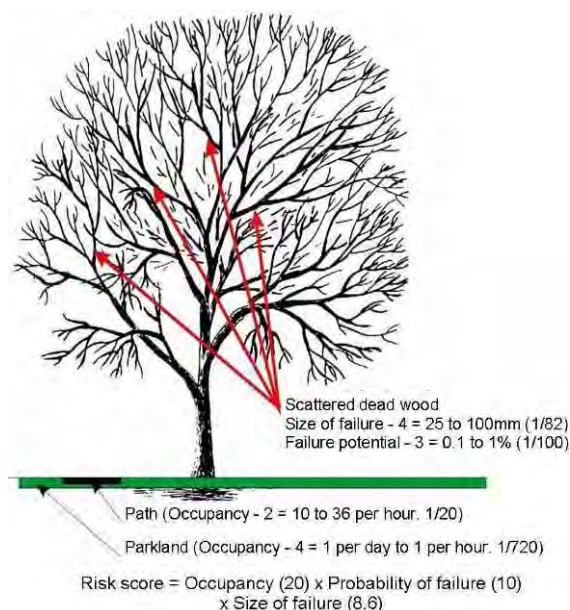


Figure 9. Risk Assessment Example 2



Appendix 3. Tree Data & Recommended Works Tables

3.1 Urgent Priority Works

Site	Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
Fred's Pass Recreation Reserve	A_071	<i>Eucalyptus tetradonta</i>	13m x 8m	48	Removal	Urgent		-12.5353	131.0512
McMinns Lagoon Recreation Reserve	A_119	<i>Acacia auriculiformis</i>	16m x 20m	68	Removal	Urgent	Neighbour's tree. Brackets in both stems and limbs overhanging carparking.	-12.5516	131.084
McMinns Lagoon Recreation Reserve	A_135	<i>Erythrophleum chlorostachys</i>	11m x 12m	45	Removal	Urgent	Tree is in severe decline	-12.5516	131.0845
McMinns Lagoon Recreation Reserve	A_149	<i>Acacia auriculiformis</i>	17m x 20m	64	Removal	Urgent		-12.5524	131.0819
Thorak Regional Cemetery	A_164	<i>Alstonia actinophylla</i>	7m x 9m	52	Codominant reduction/removal	Urgent	Heavily reduce decaying southern stem and included lower limb to north	-12.4141	130.966
Thorak Regional Cemetery	B_315	<i>Khaya senegalensis</i>	16m x 20m	65	Removal	Urgent		-12.4155	130.967
Knuckey Lagoon Recreation Reserve	B_344	<i>Eucalyptus tetradonta</i>	12m x 6m	17	Removal	Urgent	Trunk has failed and is caught up in adjacent tree	-12.4161	130.9512
Livingstone Reserve	C_098	<i>Eucalyptus tetradonta</i>	15m x 18m	58	Removal	Urgent		-12.7317	131.0835
Berry Springs Reserve	C_145	<i>Eucalyptus tetradonta</i>	10m x 8m	42	Removal	Urgent		-12.7159	130.9889
McMinns Lagoon Recreation Reserve	C_155	<i>Acacia auriculiformis</i>	14m x 12m	56	Removal	Urgent	Starting to lift at ground level	-12.5529	131.0839



3.2 Berry Springs

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_107	<i>Khaya senegalensis</i>	20m x 26m	85	Reduce extended branches over seating and grass areas by 20% max cut 120mm	High		-12.7147	130.989
C_108	<i>Khaya senegalensis</i>	20m x 26m	120	Reduce extended branches over seating and grass areas by 30% max cut 200mm	High		-12.7148	130.989
C_109	<i>Maranthes corymbosa</i>	9m x 9m	37	Property/asset clearance of building x 3 trees	High		-12.7154	130.9891
C_110	<i>Corymbia miniata</i>	12m x 12m	42	Removal	High	Retain Ficus on stump	-12.7158	130.9891
C_111	<i>Acacia auriculiformis</i>	9m x 8m	20	Removal	High		-12.7159	130.9891
C_112	<i>Terminalia catappa</i>	8m x 6m	34	Removal	High		-12.7157	130.9892
C_113	<i>Khaya senegalensis</i>	16m x 18m	72	Reduce extended large branches over utility area, building and carparking by 20% - max cut 110mm	High		-12.7154	130.9893
C_114	<i>Khaya senegalensis</i>	15m x 15m	62	Reduce extended large branches by 20% - max cut 110mm	High		-12.7152	130.9893
C_115	<i>Khaya senegalensis</i>	16m x 15m	52	Reduce extended large branches by 20% - max cut 110mm	High		-12.7153	130.9894
C_116	<i>Khaya senegalensis</i>	18m x 22m	78	Reduce extended large branches by 20% - max cut 110mm	High		-12.7153	130.9894
C_117	<i>Acacia auriculiformis</i>	9m x 5m	20	Removal	High		-12.7155	130.9898
C_118	<i>Khaya senegalensis</i>	16m x 20m	75	Reduce extended large branches by 20% - max cut 110mm	High		-12.7149	130.9903



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_119	<i>Corymbia miniata</i>	11m x 8m	22	Removal	High		-12.7144	130.9908
C_120	<i>Eucalyptus tetradonta</i>	16m x 6m	52	Removal	High		-12.7144	130.9913
C_121	<i>Eucalyptus tetradonta</i>	12m x 8m	32	Removal	High		-12.7139	130.9923
C_122	<i>Eucalyptus tetradonta</i>	18m x 12m	60	Removal	High		-12.7137	130.9923
C_123	<i>Eucalyptus tetradonta</i>	16m x 16m	55	Removal	High		-12.7136	130.9927
C_124	<i>Eucalyptus tetradonta</i>	19m x 16m	68	Removal	High		-12.7136	130.9926
C_125	<i>Eucalyptus tetradonta</i>	22m x 16m	70	Removal	High		-12.7136	130.9924
C_126	<i>Khaya senegalensis</i>	16m x 20m	78	Epicormic removal, Reduce extended large branches by 20% - max cut 110mm	High	Remove suckers around base of tree	-12.7143	130.9903
C_127	<i>Khaya senegalensis</i>	16m x 22m	78	Epicormic removal, Reduce extended large branches by 20% - max cut 110mm	High	Remove suckers around base of tree	-12.7142	130.9903
C_128	<i>Khaya senegalensis</i>	15m x 22m	162	Epicormic removal, Reduce extended large branches by 20% - max cut 110mm	High	Remove suckers around base of tree	-12.7141	130.9902
C_129	<i>Acacia auriculiformis</i>	9m x 6m	38	Removal	High		-12.7136	130.9897
C_130	<i>Ficus virens</i>	7m x 14m	75	Property/asset clearance of building	High		-12.7137	130.9891
C_131	<i>Khaya senegalensis</i>	18m x 18m	62	Reduce extended large branches by 20% - max cut 110mm	High		-12.7138	130.9889



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_132	<i>Khaya senegalensis</i>	16m x 22m	114	Reduce extended large branches by 20% - max cut 110mm, Mulch rootzone	High		-12.7141	130.9889
C_133	<i>Khaya senegalensis</i>	16m x 22m	98	Reduce extended large branches by 20% - max cut 110mm, Mulch rootzone,	High		-12.7142	130.989
C_134	<i>Removed</i>	0m x 0m	1	No works	None		-12.7141	130.9884
C_135	<i>Ficus virens</i>	7m x 14m	71	Property/asset clearance of tennis court fence	High		-12.7137	130.9883
C_136	<i>Calophyllum inophyllum</i>	5m x 5m	28	Removal	High		-12.7143	130.9883
C_137	<i>Acacia auriculiformis</i>	9m x 6m	20	Removal	High	Inappropriate location-interfering with fence and tanks	-12.7146	130.9883
C_138	<i>Khaya senegalensis</i>	16m x 20m	76	Reduce extended large branches over road, picnic tables and carparking by 20% - max cut 110mm	High		-12.715	130.9885
C_139	<i>Syzygium forte</i>	12m x 12m	50	Codominant reduction	High		-12.715	130.9884
C_140	<i>Syzygium forte</i>	9m x 10m	36	Property/asset clearance of building	High		-12.7153	130.9884
C_141	<i>Corymbia bella</i>	11m x 10m	36	Property/asset clearance of building	High		-12.7155	130.9884
C_142	<i>Corymbia bella</i>	9m x 10m	34	Property/asset clearance of building	High		-12.7155	130.9884
C_143	<i>Corymbia bella</i>	8m x 6m	26	Property/asset clearance of building, Codominant reduction	High		-12.7155	130.9884
C_144	<i>Acacia auriculiformis</i>	12m x 16m	32	Removal	High		-12.716	130.9888



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_145	<i>Eucalyptus tetradonta</i>	10m x 8m	42	Removal	Urgent		-12.7159	130.9889
C_146	<i>Acacia auriculiformis</i>	8m x 3m	20	Removal	High	x2	-12.7156	130.9888
C_147	<i>Acacia auriculiformis</i>	6m x 5m	20	Removal	High		-12.7157	130.9887
C_148	<i>Calophyllum inophyllum</i>	6m x 8m	26	Removal	High		-12.7154	130.9888
C_149	<i>Peltophorum pterocarpum</i>	5m x 7m	19	Removal	High	Regrowth from stump	-12.7153	130.9887
C_150	<i>Tipuana tipu</i>	6m x 8m	19	Canopy lift over carparking	High		-12.7152	130.9889
C_151	<i>Tipuana tipu</i>	6m x 8m	19	Canopy lift over carparking	High		-12.715	130.9888
C_152	<i>Khaya senegalensis</i>	15m x 12m	56	Reduce extended large branches by 20% - max cut 110mm	High		-12.715	130.9888
C_153	<i>Khaya senegalensis</i>	15m x 18m	60	Reduce extended large branches by 20% - max cut 110mm	High		-12.7149	130.9888



3.3 Fred's Pass

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_001	<i>Khaya senegalensis</i>	26m x 19m	105	Deadwood removal,Reduce extended branches by 10% max cut 40mm	High		-12.5356	131.0519
A_002	<i>Khaya senegalensis</i>	27m x 17m	101	Deadwood removal,Reduce extended branches by 10% max cut 40mm	High		-12.5357	131.0519
A_003	<i>Khaya senegalensis</i>	18m x 15m	68	Deadwood removal,Reduce extended branches by 10% max cut 40mm	High		-12.5358	131.052
A_004	<i>Khaya senegalensis</i>	24m x 21m	86	Reduce codominant in upper canopy,Reduce extended branches by 10% max cut 40mm	High		-12.5359	131.052
A_005	<i>Khaya senegalensis</i>	22m x 18m	81	Reduce large extended branches over oval and carpark by 20%-max cut 80mm,Deadwood removal	High		-12.5361	131.0521
A_006	<i>Khaya senegalensis</i>	26m x 23m	115	Epicormic removal,Reduce large extended branches over oval and carpark by 20%-max cut 80mm,Deadwood removal	High		-12.5362	131.0521
A_007	<i>Khaya senegalensis</i>	25m x 23m	96	Deadwood removal,Reduce large extended branches over oval and carpark by 20%-max cut 80mm,Epicormic removal	High		-12.5364	131.0522
A_008	<i>Khaya senegalensis</i>	26m x 20m	82	Reduce large extended branches over oval and carpark by 20%-max cut 80mm,Epicormic removal	High		-12.5365	131.0522
A_009	<i>Terminalia microcarpa</i>	11m x 7m	23	Property/asset clearance of floodlight	High		-12.5367	131.0524



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_010	<i>Removed</i>	0m x 0m	1	No works	None		-12.5369	131.0525
A_011	<i>Khaya senegalensis</i>	16m x 15m	84	Removal	High	Extensive decay in roots and lower trunk- likely due to bracket fungi	-12.5369	131.0525
A_012	<i>Khaya senegalensis</i>	12m x 12m	46	Reduce large extended branches over oval and access road by 20%-max cut 60mm	High		-12.5372	131.0528
A_013	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5378	131.0533
A_014	<i>Khaya senegalensis</i>	14m x 17m	68	Reduce extended branches by 10% max cut 60mm	High		-12.5382	131.0538
A_015	<i>Khaya senegalensis</i>	17m x 14m	66	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0538
A_016	<i>Mimusops elengi</i>	6m x 7m	16	Property/asset clearance of signage and light	High	Group of 2	-12.5383	131.0539
A_017	<i>Removed</i>	0m x 0m	1	No works	None		-12.538	131.0535
A_018	<i>Terminalia catappa</i>	7m x 4m	25	Remove northern decayed branch	High		-12.5378	131.0535
A_019	<i>Eucalyptus tetrodonta</i>	9m x 4m	25	Removal	High	Major trunk damage. Beyond correction pruning.	-12.5379	131.0536
A_020	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5375	131.0538



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_021	<i>Khaya senegalensis</i>	12m x 11m	41	Deadwood removal, Remove hanging branches	High		-12.5374	131.054
A_022	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0542
A_023	<i>Khaya senegalensis</i>	22m x 17m	75	Reduce large extended branches over oval and carpark by 20%-max cut 80mm	High		-12.5361	131.0539
A_024	<i>Adenanthera pavonina</i>	5m x 8m	28	Removal	High		-12.5362	131.0539
A_025	<i>Khaya senegalensis</i>	18m x 15m	70	Deadwood removal, Reduce large extended branches over shipping container and carpark by 20%-max cut 80mm	High		-12.5363	131.0537
A_026	<i>Khaya senegalensis</i>	19m x 14m	70	Reduce large extended branches over oval and carpark by 20%-max cut 80mm, Deadwood removal	High		-12.5363	131.0536
A_027	<i>Erythrophleum chlorostachys</i>	11m x 6m	30	Removal	High		-12.5364	131.0536
A_028	<i>Khaya senegalensis</i>	13m x 12m	55	No works	None	Works completed	-12.5365	131.0535
A_029	<i>Khaya senegalensis</i>	14m x 14m	52	Reduce large extended branches over road and carpark by 20%-max cut 80mm	High		-12.5369	131.0536
A_030	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5372	131.0529



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_031	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5371	131.053
A_032	<i>Acacia auriculiformis</i>	9m x 7m	27	Removal	High		-12.537	131.0531
A_033	<i>Acacia auriculiformis</i>	9m x 7m	28	Removal	High		-12.5369	131.0532
A_034	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0533
A_035	<i>Acacia auriculiformis</i>	7m x 4m	19	Removal	High		-12.5368	131.0534
A_036	<i>Syzygium cumini</i>	5m x 3m	18	Removal	High		-12.5367	131.0533
A_037	<i>Albizia saman</i>	12m x 16m	74	Reduce extended branches by 20% max cut 40mm, Deadwood removal	High		-12.5361	131.0529
A_038	<i>Eucalyptus tetrodonta</i>	21m x 13m	58	Removal	High	Removal due to 3 bracket fungi.	-12.5357	131.0524
A_039	<i>Syzygium forte</i>	9m x 6m	28	Removal	High		-12.5354	131.0535
A_040	<i>Khaya senegalensis</i>	15m x 14m	66	Reduce large extended branches over carpark by 20%-max cut 80mm	High		-12.535	131.0522
A_041	<i>Khaya senegalensis</i>	18m x 16m	90	Property/asset clearance of light and building, Reduce extended branches by 10% max cut 40mm, Remove basal epicormics	High		-12.5347	131.0518



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_042	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5348	131.0521
A_043	<i>Syzygium sp.</i>	6m x 4m	26	Removal	High	Tree is in severe decline	-12.5345	131.0526
A_044	<i>Khaya senegalensis</i>	15m x 13m	68	Manage epicormics, Reduce extended branches by 20% max cut 60mm	High		-12.5344	131.0524
A_045	<i>Khaya senegalensis</i>	18m x 12m	53	Reduce extended branches by 20% max cut 60mm	High		-12.5344	131.0524
A_046	<i>Khaya senegalensis</i>	16m x 15m	66	Reduce extended branches by 20% max cut 60mm	High	Reduce southern limbs over carpark and towards path	-12.5349	131.0517
A_047	<i>Eucalyptus tetrodonta</i>	18m x 10m	54	Removal	High		-12.5344	131.052
A_048	<i>Khaya senegalensis</i>	20m x 12m	48	No works	None	Recently pruned	-12.5343	131.0519
A_049	<i>Khaya senegalensis</i>	18m x 13m	70	No works	None	Recently pruned	-12.5342	131.0521
A_050	<i>Khaya senegalensis</i>	18m x 13m	53	No works	None	Recently pruned	-12.5341	131.0521



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_051	<i>Khaya senegalensis</i>	17m x 15m	71	Reduce extended branches by 20% max cut 80mm	High		-12.5341	131.0522
A_052	<i>Terminalia microcarpa</i>	8m x 6m	35	Removal	High	Tree is in severe decline	-12.5344	131.0519
A_053	<i>Ficus virens</i>	10m x 10m	44	Removal	High		-12.5342	131.0518
A_054	<i>Khaya senegalensis</i>	13m x 13m	49	No works	None	Recently pruned	-12.5336	131.0518
A_055	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5339	131.0517
A_056	<i>Khaya senegalensis</i>	14m x 13m	51	Deadwood removal, Reduce extended branches over seating by 30% max cut 80mm	High		-12.534	131.0517
A_057	<i>Khaya senegalensis</i>	20m x 16m	67	Reduce extended branches over seating by 30% max cut 80mm	High	Evidence of previous branch failure	-12.5339	131.0516
A_058	<i>Khaya senegalensis</i>	11m x 13m	41	Reduce extended branches by 20% max cut 60mm	High	Within locked, fenced storage space. Assessed from south side only.	-12.5335	131.0518
A_059	<i>Delonix regia</i>	11m x 9m	40	No works	None	Recently pruned	-12.5335	131.0511
A_060	<i>Alstonia actinophylla</i>	16m x 11m	66	Remove lowest branch over sports ground boundary	High		-12.5342	131.0503



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_061	<i>Khaya senegalensis</i>	19m x 16m	75	Reduce extended branches by 30% max cut 90mm	High		-12.5345	131.0504
A_062	<i>Khaya senegalensis</i>	20m x 15m	59	Reduce extended branches by 20% max cut 60mm	High		-12.5345	131.0505
A_063	<i>Khaya senegalensis</i>	19m x 20m	90	Reduce extended branches by 30% max cut 80mm	High		-12.5348	131.0507
A_064	<i>Khaya senegalensis</i>	19m x 18m	90	Reduce extended branches by 30% max cut 80mm	High		-12.5348	131.0508
A_065	<i>Khaya senegalensis</i>	6m x 4m	24	Removal	High		-12.5349	131.051
A_066	<i>Khaya senegalensis</i>	24m x 17m	82	Remove rubbing branches, Reduce extended branches by 20% max cut 80mm	High		-12.535	131.0511
A_067	<i>Khaya senegalensis</i>	19m x 11m	52	Remove rubbing branches, Reduce extended branches by 20% max cut 60mm	High		-12.535	131.0511
A_068	<i>Khaya senegalensis</i>	23m x 20m	91	Property/asset clearance of light, Reduce extended branches by 30% max cut 90mm	High		-12.5349	131.0513
A_069	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5349	131.0513



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_070	<i>Khaya senegalensis</i>	24m x 24m	85	Reduce extended branches by 20% max cut 60mm	High		-12.5349	131.0515
A_071	<i>Eucalyptus tetrodonta</i>	13m x 8m	48	Removal	Urgent		-12.5353	131.0512
A_072	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5336	131.0513
A_073	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5335	131.0512
A_074	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5336	131.0511
A_075	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5336	131.0511
A_076	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5335	131.051
A_077	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5335	131.051
A_078	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5335	131.0508
A_079	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5335	131.0507
A_080	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5335	131.0506
A_081	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5336	131.0505



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_082	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5337	131.0504
A_083	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5337	131.0504
A_084	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5338	131.0503
A_085	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5338	131.0503
A_086	<i>Acacia auriculiformis</i>	13m x 11m	42	Removal	High	Roots severed within SRZ during road upgrade works	-12.534	131.0502
A_087	<i>Khaya senegalensis</i>	17m x 13m	77	Deadwood removal, Reduce extended branches by 20% max cut 60mm	High	Failure may impact powerlines to south	-12.5351	131.0504
A_088	<i>Khaya senegalensis</i>	17m x 11m	43	Reduce large branches over powerlines by 30%-max cut 60mm, Codominant reduction	High	Reduce stem towards powerlines	-12.5351	131.0506
A_089	<i>Khaya senegalensis</i>	21m x 19m	58	Codominant reduction, Reduce extended branches towards powerlines	High	Maintain clearance from powerlines	-12.5351	131.0508
A_090	<i>Eucalyptus tetrodonta</i>	14m x 5m	23	Removal	High		-12.5353	131.0505
A_091	<i>Acacia auriculiformis</i>	15m x 11m	35	Removal	High	Major root damage due to road upgrade. Dubious stability.	-12.5354	131.0505
A_092	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5374	131.051



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_093	<i>Albizia lebbbeck</i>	12m x 13m	58	Deadwood removal, Reduce extended branches by 20% max cut 60mm	High	Heavily reduce crown. Major root damage by road upgrade, stability may be compromised.	-12.5363	131.0507
B_001	<i>Myristica insipida</i>	7m x 3m	10	Property/asset clearance of light	High		-12.5355	131.0515
B_002	<i>Khaya senegalensis</i>	18m x 20m	115	Reduce large branches over footpath by 20%-max cut 60mm, Deadwood removal	High		-12.5357	131.0513
B_003	<i>Lagerstroemia speciosa</i>	14m x 7m	44	Deadwood removal	High		-12.5358	131.0517
B_004	<i>Khaya senegalensis</i>	24m x 20m	110	Reduce extended branches over grassed area and path by 30% max cut 150mm, Deadwood removal	High		-12.5363	131.0513
B_005	<i>Khaya senegalensis</i>	24m x 20m	120	Reduce extended branches over grassed area and path by 30% max cut 150mm	High	Remove floodlight attached to tree	-12.5363	131.0512
B_006	<i>Khaya senegalensis</i>	25m x 20m	150	Codominant reduction/removal, Reduce extended branches over grassed area and path by 30% max cut 150mm	High		-12.5365	131.051
B_007	Removed	0m x 0m	1	No works	None	Gone	-12.5366	131.0509
B_008	Removed	0m x 0m	1	No works	None	Gone	-12.5367	131.0508
B_009	Removed	0m x 0m	1	No works	None	Gone	-12.5367	131.0508
B_010	Removed	0m x 0m	1	No works	None	Gone	-12.5367	131.0508



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_011	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5368	131.0508
B_012	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5368	131.0508
B_013	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5368	131.0508
B_014	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5368	131.0508
B_015	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5368	131.0508
B_016	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0509
B_017	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0509
B_018	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0509
B_019	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.537	131.0509
B_020	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.537	131.0509
B_021	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5371	131.0509
B_022	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5371	131.0509
B_023	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5371	131.0509



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_024	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5372	131.0509
B_025	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5372	131.0509
B_026	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5373	131.051
B_027	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5373	131.051
B_028	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5373	131.051
B_029	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5374	131.051
B_030	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5374	131.051
B_031	<i>Khaya senegalensis</i>	23m x 18m	97	Deadwood removal, Reduce extended branches by 30% max cut 90mm	High		-12.5371	131.0513
B_032	<i>Khaya senegalensis</i>	19m x 14m	41	Reduce extended branches by 20% max cut 60mm	High		-12.5371	131.0514
B_033	<i>Khaya senegalensis</i>	24m x 21m	110	Reduce extended branches by 30% max cut 90mm, Deadwood removal	High		-12.5371	131.0514
B_034	<i>Khaya senegalensis</i>	24m x 19m	93	No works	None	Recently pruned	-12.537	131.0515



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_035	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.537	131.0515
B_036	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.537	131.0516
B_037	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0516
B_038	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5369	131.0516
B_039	<i>Khaya senegalensis</i>	14m x 9m	29	Removal	High	Regrowth from stump	-12.5367	131.0519
B_040	<i>Khaya senegalensis</i>	24m x 21m	138	Deadwood removal, Reduce extended branches by 30% max cut 150mm	High		-12.5366	131.0518
B_041	<i>Carpentaria acuminata</i>	5m x 2m	13	Removal	High	Has failed	-12.5365	131.0518
B_042	<i>Khaya senegalensis</i>	24m x 22m	164	Deadwood removal, Reduce extended branches by 30% max cut 200mm	High		-12.5364	131.0517
B_043	<i>Khaya senegalensis</i>	19m x 13m	48	Deadwood removal, Reduce extended branches over shed by 20% max cut 60mm	High		-12.5361	131.0516
B_044	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5365	131.0521
B_045	<i>Khaya senegalensis</i>	25m x 21m	97	Deadwood removal, Reduce extended branches by 30% max cut 150mm, Basal epicormic removal	High		-12.5367	131.052



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_046	<i>Khaya senegalensis</i>	18m x 21m	56	Deadwood removal, Reduce extended branches by 30% max cut 90mm	High	Overshadowed by adjacent trees	-12.5368	131.052
B_047	<i>Khaya senegalensis</i>	25m x 20m	72	Deadwood removal, Reduce extended branches by 30% max cut 150mm	High		-12.5368	131.0521
B_048	<i>Khaya senegalensis</i>	25m x 22m	170	Reduce large extended branches over road and carpark by 30%-max cut 80mm, Deadwood removal	High		-12.5369	131.0523
B_049	<i>Khaya senegalensis</i>	18m x 13m	79	Deadwood removal, Reduce extended branches by 20% max cut 30mm, Basal epicormic removal	High		-12.5373	131.0527
B_050	<i>Khaya senegalensis</i>	14m x 12m	44	Reduce extended branches by 10% max cut 60mm	High		-12.5374	131.0528
B_051	<i>Khaya senegalensis</i>	16m x 12m	47	Reduce extended branches by 10% max cut 60mm	High		-12.5375	131.0529
B_052	<i>Khaya senegalensis</i>	12m x 10m	47	Codominant reduction/removal	High		-12.5375	131.0529
B_053	<i>Khaya senegalensis</i>	13m x 10m	53	Reduce extended branches by 10% max cut 60mm	High		-12.5377	131.0531
B_054	<i>Khaya senegalensis</i>	16m x 12m	55	Reduce extended branches by 10% max cut 60mm	High		-12.5378	131.0532



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_055	<i>Corymbia miniata</i>	11m x 6m	40	Removal	High		-12.5375	131.0529
B_056	<i>Khaya senegalensis</i>	16m x 14m	78	Codominant reduction/removal, Reduce extended branches by 10% max cut 60mm	High		-12.5381	131.0529
B_057	<i>Khaya senegalensis</i>	15m x 13m	56	Deadwood removal, Reduce extended branches by 10% max cut 60mm	High		-12.5382	131.0528
B_058	<i>Khaya senegalensis</i>	16m x 13m	54	Reduce large extended branches by 20% max cut 80mm	High	Reduce large limb with previous failure wound at union	-12.5382	131.0527
B_059	<i>Khaya senegalensis</i>	16m x 12m	70	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0527
B_060	<i>Khaya senegalensis</i>	15m x 12m	67	Deadwood removal, Remove hanging branch, Reduce extended branches by 20% max cut 80mm	High		-12.5384	131.0526
B_061	<i>Khaya senegalensis</i>	16m x 14m	81	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5384	131.0525
B_062	<i>Khaya senegalensis</i>	16m x 10m	68	Codominant reduction/removal, Reduce extended branches by 20% max cut 80mm	High		-12.5385	131.0524
B_063	<i>Khaya senegalensis</i>	14m x 9m	52	Reduce codominant in canopy, Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5385	131.0523



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_064	<i>Khaya senegalensis</i>	14m x 9m	43	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5386	131.0522
B_065	<i>Khaya senegalensis</i>	16m x 11m	46	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5386	131.0522
B_066	<i>Khaya senegalensis</i>	16m x 12m	53	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5387	131.0522
B_067	<i>Ficus virens</i>	11m x 12m	97	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5385	131.052
B_068	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5381	131.0518
B_069	<i>Khaya senegalensis</i>	17m x 20m	80	Deadwood removal, Reduce extended branches by 30% max cut 120mm	High		-12.5381	131.0517
B_070	<i>Khaya senegalensis</i>	17m x 14m	60	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5382	131.0517
B_071	<i>Khaya senegalensis</i>	14m x 14m	60	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5382	131.0515
B_072	<i>Khaya senegalensis</i>	16m x 16m	69	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5381	131.0515



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_073	<i>Khaya senegalensis</i>	18m x 18m	58	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.538	131.0517
B_074	<i>Ficus virens</i>	12m x 10m	60	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5379	131.0516
B_075	<i>Khaya senegalensis</i>	23m x 17m	70	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High	Root buttress starting to lift bottom rail of fence	-12.5377	131.0515
B_076	<i>Khaya senegalensis</i>	23m x 18m	80	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High	Root buttress starting to lift bottom rail of fence	-12.5376	131.0514
B_077	<i>Khaya senegalensis</i>	23m x 20m	73	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5374	131.0513
B_078	<i>Albizia saman</i>	12m x 5m	28	Deadwood removal	High	Group of 3 trees require deadwooding	-12.5375	131.0513
B_079	<i>Albizia saman</i>	12m x 7m	35	Deadwood removal	High	Group of 3 require deadwooding	-12.5377	131.0514
B_080	<i>Albizia saman</i>	13m x 7m	66	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5378	131.0514
B_081	<i>Khaya senegalensis</i>	23m x 20m	60	Deadwood removal, Reduce extended branches by 35% max cut 200mm	High	Adjacent tree removal has changed site conditions dramatically	-12.538	131.0513
B_082	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.538	131.0512



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_083	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.538	131.0512
B_084	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5381	131.0511
B_085	<i>Khaya senegalensis</i>	22m x 13m	50	Deadwood removal, Reduce extended branches by 20% max cut 80mm	High		-12.5381	131.0512
B_086	<i>Removed</i>	0m x 0m	1	No works	None	Gone	-12.5382	131.0512
B_087	<i>Eucalyptus tetradonta</i>	15m x 10m	46	Reduce extended branches over road by 10% max cut 60mm, Basal epicormic removal	High		-12.539	131.0518
B_088	<i>Khaya senegalensis</i>	18m x 20m	89	Reduce extended branches by 10-20% max cut 60-80mm	High		-12.5389	131.0521
B_089	<i>Khaya senegalensis</i>	18m x 20m	146	Reduce extended branches by 10-20% max cut 60-80mm, Remove suckers at base of trunk	High		-12.5388	131.0522
B_090	<i>Khaya senegalensis</i>	19m x 22m	80	Reduce extended branches by 10% max cut 60mm	High		-12.5388	131.0522
B_091	<i>Khaya senegalensis</i>	18m x 22m	110	Other, Reduce extended branches by 10% max cut 60mm	High	Ensure branches not obstructing floodlights	-12.5387	131.0523
B_092	<i>Khaya senegalensis</i>	18m x 20m	103	Other, Reduce extended branches by 10% max cut 60mm	High	Ensure branches not obstructing floodlights	-12.5387	131.0524



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_093	<i>Khaya senegalensis</i>	18m x 20m	112	Reduce extended branches by 10% max cut 60mm, Deadwood removal, Property/asset clearance of floodlight	High		-12.5384	131.0527
B_094	<i>Khaya senegalensis</i>	18m x 20m	130	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5384	131.0528
B_095	<i>Khaya senegalensis</i>	16m x 17m	77	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0528
B_096	<i>Khaya senegalensis</i>	18m x 18m	140	Property/asset clearance of floodlight, Reduce extended branches by 10% max cut 60mm	High	Ensure branches not obstructing floodlights	-12.5382	131.053
B_097	<i>Plumeria obtusa</i>	7m x 4m	20	Property/asset clearance of floodlight	High	Ensure branches not obstructing floodlights	-12.5383	131.0529
B_098	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0535
B_099	<i>Khaya senegalensis</i>	15m x 15m	61	Reduce extended branches over road by 10% max cut 60mm	High		-12.5386	131.0538
B_100	<i>Khaya senegalensis</i>	17m x 20m	110	Remove hanging branch, Deadwood removal, Canopy lift, Reduce extended branches by 10% max cut 40mm	High		-12.539	131.0533
B_101	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5392	131.0529
B_102	<i>Khaya senegalensis</i>	17m x 14m	59	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5393	131.0528



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_103	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5395	131.0526
B_104	<i>Erythrophleum chlorostachys</i>	10m x 10m	47	Removal	High		-12.5395	131.0525
B_105	<i>Corymbia miniata</i>	13m x 9m	33	Removal	High	Retain as habitat stump, Major trunk wound	-12.5393	131.0517
B_106	<i>Acacia leptocarpa</i>	11m x 7m	29	Removal	High		-12.5393	131.0517
B_107	<i>Erythrophleum chlorostachys</i>	11m x 4m	28	Removal	High		-12.5394	131.0516
B_108	<i>Corymbia miniata</i>	14m x 9m	42	Removal	High		-12.54	131.0517
B_109	<i>Eucalyptus tetradonta</i>	13m x 12m	63	Removal	High		-12.5401	131.0517
B_110	<i>Erythrophleum chlorostachys</i>	11m x 9m	42	Removal	High		-12.5399	131.052
B_111	<i>Erythrophleum chlorostachys</i>	11m x 8m	38	Removal	High		-12.5399	131.0521
B_112	<i>Acacia auriculiformis</i>	7m x 5m	21	Removal	High		-12.5398	131.0523
B_113	<i>Acacia auriculiformis</i>	9m x 6m	24	Removal	High		-12.5397	131.0524
B_114	<i>Acacia auriculiformis</i>	7m x 5m	16	Removal	High	Almost failed- unstable in ground	-12.5396	131.0525



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_115	<i>Acacia auriculiformis</i>	10m x 7m	28	Removal	High		-12.5396	131.0526
B_116	<i>Corymbia miniata</i>	15m x 12m	52	Deadwood removal	High		-12.5393	131.0532
B_117	<i>Acacia auriculiformis</i>	12m x 8m	28	Removal	High		-12.5389	131.0538
B_118	<i>Acacia auriculiformis</i>	6m x 4m	23	Removal	High		-12.5389	131.0538
B_119	<i>Khaya senegalensis</i>	14m x 10m	35	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5385	131.0538
B_120	<i>Khaya senegalensis</i>	12m x 10m	30	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5385	131.0539
B_121	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5394	131.0529
B_122	<i>Mangifera indica</i>	13m x 12m	47	Removal	High	New drainage eroding soil- whole tree failure is likely	-12.5365	131.0507
B_123	<i>Mangifera indica</i>	13m x 10m	35	Removal	High	New drainage eroding soil-whole tree failure is likely	-12.5364	131.0507
B_124	<i>Carpentaria acuminata</i>	8m x 3m	28	Removal	High		-12.5362	131.0509



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_125	<i>Delonix regia</i>	24m x 26m	112	Reduce extended branches by 20% max cut 60mm	High		-12.536	131.051
B_126	<i>Khaya senegalensis</i>	24m x 10m	31	Deadwood removal	High		-12.536	131.0511
B_127	<i>Khaya senegalensis</i>	26m x 14m	68	Reduce extended branches by 30% max cut 80mm	High		-12.5359	131.051
B_128	<i>Khaya senegalensis</i>	25m x 17m	105	Deadwood removal, Reduce extended branches by 20% max cut 60mm	High	Reduce extended branches and remove deadwood from adjacent Euc	-12.5353	131.051
B_129	<i>Acacia auriculiformis</i>	22m x 12m	34	Removal	High	Remove small dead adjacent tree also	-12.5355	131.0508
B_130	<i>Khaya senegalensis</i>	22m x 16m	79	Deadwood removal, Reduce extended branches over shed by 30% max cut 80mm	High		-12.5359	131.0507
B_131	<i>Khaya senegalensis</i>	16m x 17m	108	Reduce extended branches by 10-20% max cut 60-80mm	High		-12.5383	131.0507
B_132	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5383	131.0507
B_133	<i>Khaya senegalensis</i>	16m x 17m	69	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0506



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_134	<i>Khaya senegalensis</i>	16m x 18m	80	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0505
B_135	<i>Acacia auriculiformis</i>	8m x 10m	29	Removal	High		-12.5383	131.0505
B_136	<i>Khaya senegalensis</i>	15m x 17m	118	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0504
B_137	<i>Khaya senegalensis</i>	14m x 15m	78	Property/asset clearance, Remove hanging branch, Reduce extended branches by 10% max cut 40mm, Deadwood removal	High		-12.5384	131.0503
B_138	<i>Khaya senegalensis</i>	14m x 16m	81	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0502
B_139	<i>Khaya senegalensis</i>	14m x 14m	72	Removal	High		-12.5383	131.0501
B_140	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5384	131.05
B_141	<i>Khaya senegalensis</i>	16m x 16m	84	Reduce extended branches by 10% max cut 60mm	High		-12.5385	131.0498
B_142	<i>Khaya senegalensis</i>	17m x 16m	86	Reduce extended branches by 10% max cut 60mm	High		-12.5386	131.0497
B_143	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5386	131.0497



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_144	<i>Khaya senegalensis</i>	15m x 14m	48	Reduce extended branches by 10% max cut 60mm	High		-12.5385	131.0497
B_145	<i>Khaya senegalensis</i>	16m x 15m	71	Reduce extended branches by 10% max cut 60mm	High		-12.5383	131.0497
B_146	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5383	131.0496
B_147	<i>Eucalyptus alba</i> var. <i>australasica</i>	14m x 8m	34	No works	None	Works have been completed/no longer necessary, Acacia growing around/against trunk	-12.5384	131.0496
B_148	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5385	131.0494
B_149	<i>Khaya senegalensis</i>	18m x 20m	105	Reduce extended branches by 10% max cut 60mm	High		-12.5384	131.0491
B_150	<i>Khaya senegalensis</i>	16m x 18m	70	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5385	131.049
B_151	<i>Khaya senegalensis</i>	15m x 16m	70	Broken branch removal, Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5385	131.0489
B_152	<i>Roystonea regia</i>	11m x 1m	21	Removal	High		-12.5388	131.0493
B_153	<i>Khaya senegalensis</i>	17m x 20m	87	Reduce extended branches by 10% max cut 60mm	High		-12.5388	131.0493



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_154	<i>Khaya senegalensis</i>	16m x 17m	69	Reduce extended branches by 10% max cut 60mm	High		-12.5387	131.0492
B_155	<i>Khaya senegalensis</i>	16m x 16m	47	Reduce extended branches by 10% max cut 60mm	High		-12.5388	131.0492
B_156	<i>Khaya senegalensis</i>	17m x 13m	52	No works	None	Works have been completed/no longer necessary	-12.5388	131.0491
B_157	<i>Khaya senegalensis</i>	16m x 13m	71	Reduce extended branches by 10% max cut 60mm	High		-12.5389	131.0491
B_158	<i>Khaya senegalensis</i>	14m x 16m	57	Reduce extended branches by 10% max cut 60mm	High		-12.539	131.0491
B_159	<i>Khaya senegalensis</i>	16m x 15m	50	Property/asset clearance, Reduce extended branches by 10% max cut 60mm	High		-12.539	131.0491
B_160	<i>Khaya senegalensis</i>	14m x 14m	51	Reduce extended branches by 10% max cut 60mm	High		-12.539	131.049
B_161	<i>Khaya senegalensis</i>	17m x 22m	122	Deadwood removal, Reduce extended branches by 10% max cut 60mm	High		-12.539	131.0489
B_162	<i>Khaya senegalensis</i>	17m x 20m	112	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5387	131.0489



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_163	<i>Khaya senegalensis</i>	17m x 19m	85	Reduce extended branches by 10% max cut 60mm	High		-12.5387	131.0489
B_164	<i>Khaya senegalensis</i>	17m x 16m	68	Reduce extended branches by 10% max cut 60mm	High		-12.5387	131.0488
B_165	<i>Khaya senegalensis</i>	12m x 14m	43	Reduce extended branches by 10% max cut 60mm	High		-12.5388	131.0488
B_166	<i>Khaya senegalensis</i>	12m x 13m	35	Reduce extended branches by 10% max cut 60mm	High		-12.5387	131.0488
B_167	<i>Khaya senegalensis</i>	12m x 12m	26	Reduce extended branches by 10% max cut 60mm	High		-12.5386	131.0488
B_168	<i>Khaya senegalensis</i>	17m x 18m	68	Reduce extended branches by 10% max cut 60mm	High		-12.5386	131.0488
B_169	<i>Khaya senegalensis</i>	11m x 8m	27	Removal	High		-12.5386	131.0488
B_170	<i>Delonix regia</i>	12m x 10m	71	Reduce extended branches by 10% max cut 60mm	High	Consider removal in the mid to longterm	-12.5387	131.0486
B_171	<i>Eucalyptus alba</i> var. <i>australasica</i>	14m x 6m	31	Removal	High		-12.5389	131.0486
B_172	<i>Eucalyptus alba</i> var. <i>australasica</i>	16m x 8m	32	Deadwood removal	High		-12.5391	131.0487



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_173	<i>Khaya senegalensis</i>	15m x 14m	100	Reduce extended branches by 10% max cut 60mm	High		-12.5392	131.0487
B_174	<i>Eucalyptus bigalerita</i>	8m x 5m	19	Deadwood removal	High		-12.5391	131.0486
B_175	<i>Khaya senegalensis</i>	18m x 15m	57	Reduce extended branches by 10% max cut 60mm	High		-12.54	131.051
B_176	<i>Khaya senegalensis</i>	18m x 18m	83	Reduce extended branches by 10-20% max cut 60-80mm	High		-12.5399	131.0511
B_177	<i>Khaya senegalensis</i>	18m x 20m	110	Reduce extended branches by 10-20% max cut 60-80mm	High		-12.5398	131.0512
B_178	<i>Khaya senegalensis</i>	18m x 16m	80	Reduce extended branches by 10-20% max cut 60-80mm, Deadwood removal	High		-12.5401	131.0512
B_179	<i>Khaya senegalensis</i>	15m x 16m	48	Reduce extended branches by 10-20% max cut 60-80mm	High		-12.5401	131.0512
B_180	<i>Khaya senegalensis</i>	15m x 14m	52	Reduce extended branches by 10% max cut 60mm, Deadwood removal	High		-12.5401	131.0511
B_181	<i>Khaya senegalensis</i>	15m x 14m	58	Reduce extended branches by 10% max cut 60mm	High		-12.5401	131.0511



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_182	<i>Erythrophleum chlorostachys</i>	12m x 9m	52	Deadwood removal	High		-12.5405	131.0511
B_183	<i>Eucalyptus tetradonta</i>	15m x 9m	44	Reduce extended branches by 10% max cut 40mm	High	Reduce canopy above previous failure wound	-12.5405	131.0512
B_184	<i>Eucalyptus tetradonta</i>	16m x 12m	58	Reduce decayed central leader by 20% max cut 80mm	High	Reduce decayed central stem	-12.5415	131.0502
B_185	<i>Corymbia polycarpa</i>	10m x 6m	17	Removal	High	Group of 2	-12.5405	131.0483
B_186	<i>Eucalyptus alba</i> var. <i>australasica</i>	15m x 9m	33	Removal	High		-12.5401	131.0473
B_187	<i>Acacia auriculiformis</i>	13m x 8m	30	Removal	High		-12.5401	131.0474
B_188	<i>Acacia auriculiformis</i>	13m x 5m	49	Removal	High		-12.5402	131.0453
B_189	<i>Acacia auriculiformis</i>	14m x 8m	33	Removal	High		-12.5402	131.0452
B_190	<i>Acacia auriculiformis</i>	14m x 10m	54	Removal	High		-12.5402	131.0451
B_191	<i>Eucalyptus tetradonta</i>	17m x 5m	25	Removal	High	Major trunk wound	-12.5402	131.0446
B_192	<i>Acacia auriculiformis</i>	9m x 9m	33	Removal	High		-12.5402	131.0445
B_193	<i>Acacia auriculiformis</i>	11m x 8m	36	Removal	High		-12.5402	131.0444



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_194	<i>Acacia auriculiformis</i>	9m x 8m	38	Removal	High		-12.5402	131.0446
B_195	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5401	131.0467
B_196	<i>Khaya senegalensis</i>	12m x 4m	19	Removal	High		-12.5401	131.0468
B_197	<i>Corymbia miniata</i>	11m x 3m	25	Removal	High		-12.5388	131.0469
B_198	<i>Eucalyptus tetrodonta</i>	13m x 4m	24	Removal	High	Major trunk wound	-12.5383	131.0476
B_199	<i>Eucalyptus tetrodonta</i>	12m x 8m	57	Removal	High	Leader failure	-12.5384	131.0474
B_200	<i>Khaya senegalensis</i>	15m x 16m	79	Reduce extended branches by 10% max cut 40mm	High		-12.5387	131.0473
B_201	<i>Khaya senegalensis</i>	16m x 16m	81	Reduce extended branches by 10% max cut 40mm	High		-12.5387	131.0473
B_202	<i>Khaya senegalensis</i>	8m x 4m	19	Removal	High		-12.5387	131.0473
B_203	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5388	131.0473
B_204	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5388	131.0473
B_205	<i>Khaya senegalensis</i>	16m x 14m	73	Reduce extended branches by 10% max cut 60mm	High		-12.5388	131.0474



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_206	<i>Khaya senegalensis</i>	12m x 12m	29	Canopy lift, Reduce extended branches by 10% max cut 40mm	High		-12.5388	131.0474
B_207	<i>Khaya senegalensis</i>	16m x 13m	26	Deadwood removal	High		-12.5388	131.0475
B_208	<i>Khaya senegalensis</i>	16m x 16m	93	Canopy lift, Remove hanging branch, Reduce extended branches by 10% max cut 40mm, Deadwood removal	High		-12.5388	131.0475
B_209	<i>Erythrophleum chlorostachys</i>	13m x 9m	50	Removal	High		-12.5393	131.0475
B_210	<i>Eucalyptus tetrodonta</i>	9m x 4m	20	Removal	High		-12.5395	131.0475
B_211	<i>Khaya senegalensis</i>	7m x 2m	18	Removal	High		-12.5398	131.0468
B_212	<i>Khaya senegalensis</i>	8m x 2m	16	Removal	High		-12.5399	131.0468
B_213	<i>Khaya senegalensis</i>	14m x 5m	22	No works	None	Works have been completed/no longer necessary	-12.5398	131.0469
B_214	<i>Khaya senegalensis</i>	12m x 3m	16	Removal	High		-12.5399	131.0465
B_215	<i>Delonix regia</i>	12m x 6m	28	Removal	High		-12.5397	131.0467
B_216	<i>Tectona grandis</i>	7m x 1m	12	Removal	High		-12.5396	131.0465
B_217	<i>Delonix regia</i>	9m x 2m	23	Removal	High		-12.5395	131.0465



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_218	<i>Delonix regia</i>	10m x 4m	20	Removal	High		-12.5395	131.0465
B_219	<i>Delonix regia</i>	9m x 2m	20	Removal	High		-12.5394	131.0465
B_220	<i>Tectona grandis</i>	10m x 3m	18	Removal	High		-12.5395	131.0464
B_221	<i>Azadirachta indica</i>	8m x 2m	20	Removal	High		-12.5396	131.0464
B_222	<i>Azadirachta indica</i>	8m x 3m	18	Removal	High		-12.5397	131.0463
B_223	<i>Khaya senegalensis</i>	8m x 1m	20	Removal	High		-12.5397	131.0463
B_224	<i>Azadirachta indica</i>	10m x 3m	20	Removal	High		-12.5398	131.0463
B_225	<i>Azadirachta indica</i>	6m x 1m	17	Removal	High		-12.5398	131.0463
B_226	<i>Azadirachta indica</i>	7m x 1m	15	Removal	High		-12.5397	131.0462
B_227	<i>Pterocarpus indicus</i>	8m x 4m	20	Removal	High		-12.5399	131.0462
B_228	<i>Pterocarpus indicus</i>	12m x 7m	26	Removal	High		-12.5398	131.0462
B_229	<i>Azadirachta indica</i>	10m x 2m	19	Removal	High		-12.5398	131.0462
B_230	<i>Azadirachta indica</i>	10m x 3m	18	Removal	High		-12.5397	131.0462



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_231	<i>Azadirachta indica</i>	11m x 3m	17	Removal	High		-12.5397	131.0462
B_232	<i>Erythrophleum chlorostachys</i>	10m x 12m	53	Canopy lift, Deadwood removal	High	Works have been completed/no longer necessary	-12.5398	131.0458
B_233	<i>Erythrophleum chlorostachys</i>	12m x 7m	22	Removal	High		-12.5399	131.0453
B_234	<i>Corymbia miniata</i>	17m x 12m	58	Deadwood removal	High		-12.5398	131.0448
B_235	<i>Eucalyptus tetrodonta</i>	9m x 1m	33	Removal	High		-12.5395	131.0449
B_236	<i>Eucalyptus alba</i> var. <i>australasica</i>	14m x 7m	27	Removal	High		-12.5394	131.0447
B_237	<i>Acacia auriculiformis</i>	8m x 5m	24	Removal	High		-12.5393	131.0452
B_238	<i>Terminalia ferdinandiana</i>	9m x 5m	24	Deadwood removal	High		-12.5394	131.0452
B_239	<i>Acacia auriculiformis</i>	10m x 3m	18	Removal	High		-12.5393	131.0456
B_240	<i>Acacia auriculiformis</i>	9m x 2m	14	Removal	High		-12.5393	131.0457
B_241	<i>Eucalyptus tetrodonta</i>	15m x 2m	16	Removal	High		-12.5396	131.0458
B_242	<i>Acacia auriculiformis</i>	11m x 1m	14	Removal	High		-12.5395	131.0458



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_243	<i>Erythrophleum chlorostachys</i>	8m x 7m	47	Removal	High	Major trunk wound	-12.5394	131.0459
B_244	<i>Erythrophleum chlorostachys</i>	9m x 7m	44	Removal	High	Major trunk wound	-12.5394	131.0459
B_245	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5391	131.0459
B_246	<i>Khaya senegalensis</i>	17m x 15m	67	Reduce extended branches by 10% max cut 60mm	High		-12.539	131.0462
B_247	<i>Khaya senegalensis</i>	17m x 15m	64	Reduce extended branches by 10% max cut 40mm, Deadwood removal	High		-12.539	131.0463
B_248	<i>Erythrophleum chlorostachys</i>	16m x 10m	43	Deadwood removal	High		-12.539	131.0464
B_249	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0464
B_250	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0465
B_251	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0465
B_252	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0465
B_253	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0466
B_254	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5389	131.0467



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_255	<i>Khaya senegalensis</i>	9m x 1m	13	Removal	High		-12.5392	131.0467
B_256	<i>Maranthes corymbosa</i>	7m x 1m	13	Removal	High	Group of 2	-12.5391	131.0467
B_257	<i>Acacia auriculiformis</i>	10m x 7m	17	Property/asset clearance of building	High		-12.5394	131.0471
B_258	<i>Pterocarpus indicus</i> 'Pendula'-Weeping Rosewood	7m x 9m	28	Removal	High	Possibly fusarium wilt	-12.5395	131.0477
B_259	<i>Pterocarpus indicus</i> 'Pendula'-Weeping Rosewood	7m x 9m	36	Canopy lift	High		-12.5397	131.0477
B_260	<i>Pterocarpus indicus</i> 'Pendula'-Weeping Rosewood	8m x 8m	34	Removal	High		-12.5398	131.0477
B_261	<i>Khaya senegalensis</i>	13m x 12m	49	Reduce extended branches by 10% max cut 60mm	High		-12.5393	131.0485
B_262	<i>Khaya senegalensis</i>	16m x 13m	60	Canopy lift, Reduce extended branches by 10% max cut 60mm	High		-12.5393	131.0485
B_263	<i>Khaya senegalensis</i>	16m x 13m	48	Canopy lift, Reduce extended branches by 10% max cut 60mm	High		-12.5392	131.0485
B_264	<i>Khaya senegalensis</i>	16m x 14m	72	Canopy lift, Reduce extended branches by 10% max cut 60mm	High		-12.5391	131.0484



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_265	<i>Khaya senegalensis</i>	18m x 16m	82	Canopy lift, Reduce extended branches by 10% max cut 40mm	High		-12.5387	131.0484
B_266	<i>Khaya senegalensis</i>	18m x 16m	80	Reduce extended branches by 10% max cut 40mm	High		-12.5387	131.0483
B_267	<i>Khaya senegalensis</i>	17m x 16m	76	Canopy lift, Reduce extended branches by 10% max cut 40mm	High		-12.5386	131.0484
B_268	<i>Khaya senegalensis</i>	17m x 16m	81	Reduce extended branches by 10% max cut 40mm	High		-12.5386	131.0483
B_269	<i>Khaya senegalensis</i>	17m x 13m	93	Reduce extended branches by 10% max cut 40mm	High		-12.5385	131.0484
B_270	<i>Khaya senegalensis</i>	15m x 9m	46	Reduce extended branches by 10% max cut 40mm	High		-12.5385	131.0484
B_271	<i>Khaya senegalensis</i>	16m x 12m	69	Reduce extended branches by 10% max cut 40mm	High		-12.5385	131.0482
B_272	<i>Khaya senegalensis</i>	18m x 15m	81	Reduce extended branches by 10% max cut 40mm	High		-12.5385	131.0481
B_273	<i>Khaya senegalensis</i>	18m x 15m	73	Reduce extended branches by 10% max cut 40mm, Deadwood removal	High		-12.5385	131.0481



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_274	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5385	131.048
B_275	<i>Khaya senegalensis</i>	20m x 20m	103	Reduce extended branches by 10% max cut 40mm	High		-12.5389	131.0461
B_276	<i>Khaya senegalensis</i>	20m x 16m	100	Canopy lift, Reduce extended branches by 10% max cut 60mm	High		-12.5389	131.046
B_277	<i>Acacia auriculiformis</i>	14m x 8m	30	Removal	High		-12.539	131.0447
B_278	<i>Acacia auriculiformis</i>	7m x 1m	16	Removal	High		-12.539	131.0444
B_279	<i>Eucalyptus alba var. australasica</i>	1m x 1m	35	Removal	High	Regrowth from stump	-12.539	131.0445
B_280	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5386	131.0453
B_281	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5386	131.0453
B_282	<i>Khaya senegalensis</i>	15m x 13m	75	Reduce extended branches by 10% max cut 40mm, Canopy lift	High		-12.5386	131.0455
B_283	<i>Acacia auriculiformis</i>	13m x 6m	44	Removal	High		-12.5385	131.0456
B_284	<i>Acacia auriculiformis</i>	6m x 6m	40	Removal	High		-12.5386	131.0456
B_285	<i>Eucalyptus tetrodonta</i>	15m x 8m	45	Removal	High		-12.5385	131.0459



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_286	<i>Eucalyptus tetradonta</i>	9m x 5m	40	Removal	High		-12.5387	131.0461
B_287	<i>Eucalyptus tetradonta</i>	15m x 6m	19	Removal	High		-12.5386	131.0467
B_288	<i>Eucalyptus tetradonta</i>	12m x 5m	38	Removal	High	Adjacent to Archery point 7	-12.5383	131.0467
B_289	<i>Eucalyptus sp.</i>	10m x 1m	26	Removal	High		-12.5384	131.0468
B_290	<i>Eucalyptus tetradonta</i>	9m x 2m	20	Removal	High	Group of 2	-12.5383	131.0469
B_291	<i>Corymbia miniata</i>	10m x 1m	39	Removal	High		-12.5383	131.0473
B_292	<i>Corymbia miniata</i>	13m x 1m	40	Removal	High		-12.5384	131.0473
B_293	<i>Erythrophleum chlorostachys</i>	12m x 5m	28	Removal	High		-12.5382	131.0473
B_294	<i>Eucalyptus tetradonta</i>	14m x 5m	23	Removal	High		-12.538	131.0477
B_295	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.5382	131.0504
B_345	<i>Acacia leptocarpa</i>	9m x 5m	26	Removal	High	Leader failure	-12.535	131.0475
B_346	<i>Pandanus spiralis</i>	7m x 4m	16	Removal	High	Caught up in adjacent trees, Adjacent to archery point 5	-12.5379	131.0457
B_347	<i>Eucalyptus miniata</i>	11m x 7m	48	Removal	High	Adjacent to Archery point 11	-12.5375	131.0468



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_348	<i>Eucalyptus tetrodonta</i>	14m x 8m	44	Removal	High	Adjacent to Archery point 12- fallen branch obstructing path	-12.5374	131.0471
B_349	<i>Acacia auriculiformis</i>	16m x 9m	39	Removal	High		-12.5372	131.0481
B_350	<i>Acacia leptocarpa</i>	8m x 5m	20	Removal	High	Group of 2	-12.5352	131.0477
B_351	<i>Acacia auriculiformis</i>	16m x 14m	67	Removal	High		-12.5374	131.0501
B_352	<i>Acacia auriculiformis</i>	16m x 14m	47	Removal	High	Tree has failed and is caught up in adjacent trees	-12.5384	131.0451
B_353	<i>Wrightia pubescens</i>	12m x 5m	27	Removal	High		-12.5381	131.0475
B_354	<i>Tectona grandis</i>	10m x 4m	23	Removal	High	Group of 2, Broken branches/stems caught up in adjacent tree	-12.5399	131.0462
B_355	<i>Khaya senegalensis</i>	9m x 4m	20	Removal	High	Root plate appears to have been compromised. Group of 2	-12.5389	131.0467
B_356	<i>Tectona grandis</i>	13m x 7m	19	Removal	High		-12.54	131.0462
B_357	<i>Khaya senegalensis</i>	13m x 13m	51	Reduce extended branches by 20% max cut 60mm	High	Termite trails	-12.5377	131.0498
B_358	<i>Eucalyptus alba</i> var. <i>australasica</i>	9m x 6m	23	Broken branch removal	High		-12.5401	131.0489



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_001	<i>Corymbia miniata</i>	10m x 6m	32	Removal	High		-12.5345	131.0445
C_002	<i>Eucalyptus tetrodonta</i>	12m x 8m	32	Removal	High		-12.5348	131.0445
C_003	<i>Erythrophleum chlorostachys</i>	15m x 12m	40	Removal	High		-12.5351	131.0455
C_004	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.535	131.0459
C_005	<i>Eucalyptus tetrodonta</i>	14m x 8m	34	Removal	High	Decay at powerline pruning cuts	-12.5352	131.0467
C_006	<i>Khaya senegalensis</i>	16m x 18m	78	Removal	High		-12.5358	131.0487
C_007	<i>Acacia auriculiformis</i>	12m x 10m	46	Removal	High		-12.5357	131.0492
C_008	<i>Acacia auriculiformis</i>	9m x 8m	36	Removal	High		-12.535	131.05
C_009	<i>Allosyncarpia ternata</i>	11m x 15m	46	Canopy lift over fence and away from score board	High		-12.534	131.0492
C_010	<i>Acacia auriculiformis</i>	7m x 4m	20	Removal	High	Group of approximately 6 individuals	-12.5337	131.0477
C_011	<i>Eucalyptus miniata</i>	11m x 8m	34	Removal	High		-12.5335	131.0455



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_012	<i>Eucalyptus tetrodonta</i>	14m x 8m	38	Removal	High		-12.5358	131.0444
C_013	<i>Acacia auriculiformis</i>	14m x 14m	38	Removal	High	Group of 2	-12.5388	131.0445
C_014	<i>Terminalia microcarpa</i>	7m x 7m	20	Canopy lift over roof	High		-12.5386	131.0447
C_015	<i>Eucalyptus tetrodonta</i>	7m x 3m	20	Removal	High		-12.5386	131.0447
C_016	<i>Corymbia miniata</i>	15m x 15m	42	Removal	High		-12.5385	131.0448
C_017	<i>Acacia auriculiformis</i>	12m x 8m	32	Removal	High		-12.5376	131.0444
C_018	<i>Eucalyptus tetrodonta</i>	12m x 4m	20	Removal	High		-12.5362	131.0445
C_019	<i>Acacia auriculiformis</i>	11m x 8m	36	Removal	High		-12.5377	131.0445
C_020	<i>Acacia auriculiformis</i>	13m x 8m	36	Removal	High	Adjacent to Archery Point 17	-12.538	131.0446
C_021	<i>Acacia auriculiformis</i>	14m x 16m	75	Removal	High	Adjacent to Archery Point 17	-12.538	131.0445
C_022	<i>Acacia auriculiformis</i>	12m x 8m	38	Removal	High	Adjacent to Archery Point 17	-12.5381	131.0446
C_023	<i>Acacia auriculiformis</i>	9m x 6m	22	Removal	High	Adjacent to Archery Point 18, group 3 dead trees	-12.5378	131.0449



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_024	<i>Erythrophleum chlorostachys</i>	9m x 8m	45	Removal	High	Adjacent to Archery Point 18	-12.5377	131.0448
C_025	<i>Erythrophleum chlorostachys</i>	7m x 5m	22	Removal	High	Adjacent to Archery Point 18	-12.5377	131.0448
C_026	<i>Acacia auriculiformis</i>	9m x 6m	22	Removal	High		-12.5376	131.0448
C_027	<i>Acacia auriculiformis</i>	9m x 6m	36	Removal	High	Adjacent to Archery Point 19	-12.5377	131.0452
C_028	<i>Acacia auriculiformis</i>	14m x 9m	36	Removal	High		-12.5375	131.0453
C_029	<i>Erythrophleum chlorostachys</i>	7m x 3m	22	Removal	High	Group of 2, Adjacent to Archery Point 20	-12.5379	131.0454
C_030	<i>Terminalia catappa</i>	7m x 2m	18	Removal	High	Adjacent to Archery Point 20	-12.5378	131.0454
C_031	<i>Acacia auriculiformis</i>	11m x 8m	46	Removal	High	Adjacent to Archery Point 20	-12.5378	131.0455
C_032	<i>Acacia auriculiformis</i>	14m x 8m	24	Removal	High		-12.5378	131.0458
C_033	<i>Acacia auriculiformis</i>	9m x 3m	16	Removal	High		-12.5378	131.046
C_034	<i>Acacia auriculiformis</i>	8m x 6m	18	Removal	High		-12.5378	131.0467
C_035	<i>Acacia auriculiformis</i>	11m x 3m	20	Removal	High		-12.5379	131.0466
C_036	<i>Acacia auriculiformis</i>	11m x 8m	32	Removal	High		-12.5379	131.0466



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_037	<i>Eucalyptus tetrodonta</i>	15m x 10m	36	Removal	High		-12.5378	131.0464
C_038	<i>Corymbia miniata</i>	14m x 12m	45	Removal	High	Adjacent to Archery seating area	-12.5376	131.0464
C_039	<i>Eucalyptus tetrodonta</i>	15m x 15m	60	Removal	High		-12.5376	131.0457
C_040	<i>Acacia auriculiformis</i>	8m x 5m	20	No works	None	Works have been completed/no longer necessary	-12.5375	131.0462
C_041	<i>Acacia auriculiformis</i>	9m x 3m	42	Removal	High		-12.5375	131.0465
C_042	<i>Eucalyptus tetrodonta</i>	14m x 12m	42	Removal	High	Adjacent to Archery point 13	-12.5373	131.0473
C_043	<i>Eucalyptus tetrodonta</i>	11m x 3m	40	Removal	High		-12.5372	131.0476
C_044	<i>Acacia auriculiformis</i>	12m x 6m	40	Removal	High	Adjacent to Archery target 15	-12.5373	131.0478
C_045	<i>Acacia auriculiformis</i>	11m x 14m	44	Removal	High	Adjacent to Archery point 15	-12.5372	131.0477
C_046	<i>Acacia auriculiformis</i>	10m x 5m	34	Removal	High	Adjacent to Archery point 15	-12.5371	131.0477



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_047	<i>Eucalyptus tetrodonta</i>	14m x 14m	40	Removal	High		-12.5369	131.0476
C_048	<i>Melaleuca leucadendra</i>	8m x 4m	22	Removal	High	Adjacent to Archery point 16	-12.5369	131.0478
C_049	<i>Acacia auriculiformis</i>	14m x 12m	40	Removal	High		-12.5364	131.0479
C_050	<i>Acacia auriculiformis</i>	12m x 12m	40	Removal	High		-12.5368	131.0478
C_051	<i>Melaleuca leucadendra</i>	6m x 4m	26	Deadwood removal	High		-12.5369	131.0478
C_052	<i>Acacia auriculiformis</i>	10m x 8m	22	Removal	High	x2	-12.537	131.048
C_053	<i>Eucalyptus tetrodonta</i>	9m x 7m	24	Removal	High		-12.5356	131.0462
C_054	<i>Corymbia miniata</i>	15m x 15m	38	Removal	High	Group of approximately 5 individuals	-12.5357	131.045
C_055	<i>Khaya senegalensis</i>	14m x 14m	65	Removal	High		-12.5377	131.0507
C_056	<i>Khaya senegalensis</i>	14m x 8m	55	Removal	High		-12.5377	131.0505



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_057	<i>Khaya senegalensis</i>	15m x 15m	62	Deadwood removal, Reduce extended branches over road and yards by 20% max cut 80mm	High		-12.538	131.0508
C_058	<i>Khaya senegalensis</i>	15m x 15m	64	Deadwood removal, Reduce extended branches over road and yards by 20% max cut 80mm	High		-12.5379	131.0505
C_059	<i>Khaya senegalensis</i>	15m x 15m	64	Deadwood removal, Reduce extended branches over road and open area by 20% max cut 80mm	High		-12.5378	131.0503
C_060	<i>Corymbia miniata</i>	18m x 16m	56	Removal	High		-12.5373	131.0496
C_061	<i>Corymbia miniata</i>	15m x 12m	68	Removal	High	Retain as habitat stump	-12.5378	131.0497
C_062	<i>Khaya senegalensis</i>	16m x 15m	58	Reduce extended branches over road and picnic area by 20% max cut 80mm	High	Termite trails	-12.5376	131.0496
C_063	<i>Khaya senegalensis</i>	16m x 15m	75	Reduce extended branches over road and picnic area by 20% max cut 80mm	High		-12.5377	131.0496
C_064	<i>Khaya senegalensis</i>	16m x 15m	75	Reduce extended branches over road and picnic area by 20% max cut 80mm	High		-12.5377	131.0494
C_065	<i>Acacia auriculiformis</i>	14m x 12m	56	Removal	High	Group of 2	-12.5376	131.0493



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_066	<i>Acacia auriculiformis</i>	18m x 22m	78	Removal	High	Tree is in decline	-12.5372	131.0493
C_067	<i>Acacia auriculiformis</i>	15m x 10m	34	Removal	High		-12.5373	131.0492
C_068	<i>Acacia auriculiformis</i>	9m x 8m	22	Removal	High		-12.538	131.049
C_069	<i>Khaya senegalensis</i>	15m x 16m	58	Reduce extended branches over picnic area by 20% max cut 80mm	High		-12.5381	131.0485
C_070	<i>Tipuana tipu</i>	8m x 12m	52	Removal	High	x2	-12.5377	131.0486
C_071	<i>Tipuana tipu</i>	8m x 10m	35	Removal	High		-12.5376	131.0486
C_072	<i>Acacia auriculiformis</i>	9m x 2m	32	Removal	High		-12.5376	131.0481
C_073	<i>Acacia auriculiformis</i>	9m x 6m	38	Removal	High		-12.5377	131.048
C_074	<i>Terminalia catappa</i>	6m x 6m	18	Removal	High		-12.5378	131.0482
C_075	<i>Acacia auriculiformis</i>	15m x 15m	57	Removal	High		-12.5378	131.0479
C_076	<i>Acacia auriculiformis</i>	10m x 8m	34	Removal	High		-12.5377	131.0479



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_156	<i>Corymbia bella</i>	9m x 8m	56	Removal	High		-12.5381	131.054
C_157	<i>Corymbia miniata</i>	12m x 8m	36	Removal	High		-12.5374	131.0541
C_158	<i>Pterocarpus indicus</i> 'Pendula'-Weeping Rosewood	7m x 8m	42	Removal	High	Possibly Fusarium wilt	-12.5359	131.054
C_159	<i>Acacia auriculiformis</i>	6m x 8m	24	Removal	High		-12.5369	131.0532
C_160	<i>Acacia auriculiformis</i>	8m x 8m	24	Removal	High		-12.5369	131.0532
C_161	<i>Acacia auriculiformis</i>	8m x 8m	27	Removal	High	Storm damage	-12.537	131.0532
C_162	<i>Eucalyptus tetrodonta</i>	15m x 15m	58	Removal	High		-12.5332	131.0502
C_163	<i>Eucalyptus tetrodonta</i>	15m x 15m	52	Deadwood removal	High	Evidence of previous branch failure, Over road	-12.5351	131.0512
C_164	<i>Khaya senegalensis</i>	18m x 24m	76	Reduce large branches over footpath by 20%-max cut 60mm, Deadwood removal	High		-12.5359	131.0514
C_165	<i>Khaya senegalensis</i>	18m x 18m	76	Reduce large branches over footpath by 20%-max cut 60mm, Deadwood removal	High		-12.536	131.0516



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_166	<i>Khaya senegalensis</i>	18m x 18m	76	Reduce large branches over ovals by 20%-max cut 60mm, Deadwood removal	High		-12.5372	131.0513



3.4 Howard Park

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_296	<i>Melaleuca leucadendra</i>	12m x 5m	25	Removal	High		-12.4961	131.047
B_297	<i>Eucalyptus phoenicea</i>	1m x 1m	1	Removal	High	Regrowth from stump	-12.4961	131.047
B_298	<i>Acacia auriculiformis</i>	6m x 2m	12	Property/asset clearance of building	High		-12.4962	131.0468
B_299	<i>Removed</i>	0m x 0m	1	No works	None		-12.496	131.0468
B_300	<i>Leptospermum madidum</i>	8m x 3m	12	Removal	High		-12.4962	131.0466
C_077	<i>Removed</i>	0m x 0m	1	No works	None		-12.4956	131.0471
C_078	<i>Casuarina equisetifolia</i>	12m x 12m	50	Deadwood removal	High	Remove dead southern stem	-12.4948	131.0482
C_079	<i>Melaleuca leucadendra</i>	12m x 5m	22	Removal	High	Tree is in decline	-12.4946	131.0469
C_080	<i>Melaleuca leucadendra</i>	6m x 3m	16	Removal	High		-12.4946	131.0468
C_081	<i>Acacia auriculiformis</i>	12m x 16m	82	Removal	High		-12.495	131.0472
C_082	<i>Calophyllum inophyllum</i>	12m x 16m	58	Property/asset clearance of building, Canopy lift over seats	High		-12.4951	131.0471
C_083	<i>Removed</i>	0m x 0m	1	No works	None		-12.4954	131.0472
C_084	<i>Acacia auriculiformis</i>	9m x 6m	26	Removal	High		-12.4947	131.0463
C_085	<i>Lagerstroemia speciosa</i>	8m x 12m	38	Canopy lift over building and footpath, Remove main dead stem	High		-12.4961	131.0466



3.5 Humpty Doo

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_094	<i>Terminalia microcarpa</i>	7m x 5m	23	Canopy lift over road	High		-12.5789	131.1023
A_095	<i>Alstonia actinophylla</i>	15m x 10m	70	Reduce large western branch	High		-12.5785	131.1029
A_096	<i>Acacia auriculiformis</i>	12m x 16m	66	Reduce extended branches by 10% max cut 40mm, Deadwood removal	High		-12.5778	131.1023
A_097	<i>Acacia auriculiformis</i>	12m x 11m	37	Reduce extended branches by 10% max cut 40mm	High	Reduce 2 extended southern branches	-12.5779	131.1024
A_098	<i>Pandanus spiralis</i>	3m x 1m	8	Property/asset clearance of roof	High	Group of 3	-12.578	131.1014
A_099	Removed	0m x 0m	1	No works	None		-12.5786	131.1016
A_100	<i>Acacia auriculiformis</i>	17m x 19m	57	Reduce extended branches by 10% max cut 40mm, Deadwood removal	High		-12.5783	131.1017
A_101	<i>Acacia auriculiformis</i>	15m x 15m	50	Reduce extended branches by 10% max cut 40mm, Deadwood removal	High	Reduce stems over driveway	-12.5782	131.1017
A_102	<i>Calophyllum inophyllum</i>	6m x 9m	21	Canopy lift over driveway/carpark	High	x2	-12.5781	131.1021
A_103	<i>Calophyllum inophyllum</i>	7m x 9m	21	Canopy lift over driveway/carpark	High		-12.5784	131.1022
A_104	<i>Maranthes corymbosa</i>	8m x 12m	40	No works	None	Works have been completed/no longer necessary	-12.5784	131.1021
A_105	<i>Maranthes corymbosa</i>	8m x 12m	32	Canopy lift over driveway/carpark	High		-12.5785	131.1021



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_106	<i>Maranthes corymbosa</i>	9m x 8m	28	No works	None	Works have been completed/no longer necessary	-12.5786	131.1021
A_107	<i>Maranthes corymbosa</i>	8m x 8m	24	No works	None	Works have been completed/no longer necessary	-12.5787	131.1021
A_108	<i>Khaya senegalensis</i>	18m x 18m	64	Reduce extended branches by 10% max cut 40mm	High		-12.5783	131.1014
A_109	<i>Delonix regia</i>	14m x 12m	23	Deadwood removal	High		-12.5783	131.1015
A_110	<i>Eucalyptus alba</i> var. <i>australasica</i>	16m x 12m	43	No works	None	Works have been completed/no longer necessary	-12.5782	131.1011
A_111	<i>Khaya senegalensis</i>	20m x 20m	74	Reduce extended branches by 10% max cut 40mm	High		-12.5786	131.101
A_112	<i>Removed</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.579	131.1011
A_113	<i>Khaya senegalensis</i>	17m x 14m	73	Reduce extended branches by 10% max cut 40mm	High		-12.5788	131.1012
A_114	<i>Acacia auriculiformis</i>	15m x 13m	51	Reduce extended branches by 10% max cut 40mm	High	Reduce northern and southern branches over slide and seating	-12.5786	131.1013
A_115	<i>Acacia auriculiformis</i>	14m x 10m	40	Individual branch removal	High	Remove/reduce limb over table. Stop piling grass clippings at base. Girdling root.	-12.5789	131.1014



3.6 Knuckey Lagoon

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_167	<i>Eucalyptus tetradonta</i>	14m x 5m	25	Removal	High	Dead tree over driveway	-12.4157	130.9477
A_168	<i>Eucalyptus tetradonta</i>	18m x 7m	25	Removal	High	Will require removal in the medium term	-12.4166	130.9469
A_169	<i>Acacia auriculiformis</i>	12m x 8m	33	No works	None	Tree has failed - lying beside driveway	-12.4168	130.9461
A_170	<i>Eucalyptus tetradonta</i>	17m x 13m	30	Reduce extended branches by 10% max cut 40mm	High	Reduce extended branches over road, Leader failure of one stem	-12.4166	130.9467
A_171	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.4154	130.9487
A_172	<i>Eucalyptus tetradonta</i>	14m x 5m	23	Removal	High		-12.4156	130.9488
A_173	<i>Eucalyptus tetradonta</i>	8m x 3m	16	Broken branch removal	High		-12.4154	130.949
A_174	<i>Acacia auriculiformis</i>	6m x 1m	14	Removal	High		-12.4153	130.9497
A_175	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.4149	130.95
A_176	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.4145	130.9502
A_177	<i>Acacia auriculiformis</i>	7m x 1m	12	Removal	High	Remove and clear adjacent wattles from picnic table	-12.4152	130.9485
A_178	<i>Corymbia miniata</i>	14m x 5m	19	Deadwood removal	High	Deadwood this and 3 others over picnic table	-12.4154	130.9484



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_179	<i>Eucalyptus tetrodonta</i>	14m x 6m	22	Removal	High		-12.4158	130.9478
B_328	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.4143	130.9499
B_329	<i>Eucalyptus tetrodonta</i>	12m x 2m	19	Removal	High		-12.4146	130.9509
B_330	<i>Corymbia miniata</i>	10m x 4m	17	Removal	High	Major trunk wound	-12.4144	130.9508
B_331	<i>Corymbia miniata</i>	13m x 7m	19	Deadwood removal	High		-12.415	130.9517
B_332	Removed	0m x 0m	1	No works	None	Works have been completed/no longer necessary	-12.4163	130.9496
B_333	<i>Eucalyptus tetrodonta</i>	10m x 1m	18	Removal	High		-12.4142	130.9489
B_334	<i>Eucalyptus tetrodonta</i>	11m x 5m	24	Removal	High	Leader failure, Major trunk wound	-12.4142	130.9501
B_335	<i>Eucalyptus tetrodonta</i>	7m x 1m	16	No works	None	Works have been completed/no longer necessary	-12.4166	130.952
B_336	<i>Eucalyptus tetrodonta</i>	14m x 6m	39	Removal	High		-12.4166	130.9517
B_337	<i>Eucalyptus tetrodonta</i>	14m x 9m	58	Habitat removal	High		-12.4167	130.9515
B_338	<i>Eucalyptus tetrodonta</i>	0m x 0m	1	No works	None	Works have been completed/no longer necessary-tree failed into bush	-12.4168	130.9522
B_339	<i>Corymbia miniata</i>	12m x 5m	27	Deadwood removal	High		-12.4167	130.9492



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_340	<i>Acacia auriculiformis</i>	6m x 5m	20	No works	None	Works have been completed/no longer necessary	-12.4153	130.9483
B_341	<i>Eucalyptus miniata</i>	14m x 6m	20	Broken branch removal	High	Remove multiple hanging branches near seats	-12.4154	130.949
B_342	<i>Eucalyptus tetrodonta</i>	14m x 5m	18	Removal	High		-12.4153	130.9488
B_343	<i>Eucalyptus tetrodonta</i>	15m x 4m	20	Removal	High		-12.416	130.9513
B_344	<i>Eucalyptus tetrodonta</i>	12m x 6m	17	Removal	Urgent	Trunk has failed approximately 2m above ground and stem is caught up in adjacent tree	-12.4161	130.9512



3.7 Livingstone Reserve

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_086	<i>Eucalyptus tetrodonta</i>	13m x 8m	46	Removal	High		-12.734	131.083
C_087	<i>Removed</i>	0m x 0m	1	No works	None	Removed	-12.7329	131.0834
C_088	<i>Corymbia miniata</i>	8m x 12m	36	Removal	High		-12.7328	131.0835
C_089	<i>Erythrophleum chlorostachys</i>	7m x 5m	22	Removal	High		-12.7324	131.0837
C_090	<i>Eucalyptus tetrodonta</i>	16m x 16m	58	Remove hanging branch from Ironwood, Reduce upper canopy by 30%, Reassess tree for viability	High	May require removal if pruning cannot reduce risk adequately	-12.7323	131.0841
C_091	<i>Eucalyptus tetrodonta</i>	16m x 16m	58	Remove hanging branches and major deadwood	High	Deadwood adjacent Ironwood if time allows	-12.7321	131.0839
C_092	<i>Eucalyptus tetrodonta</i>	11m x 6m	32	Removal	High		-12.7321	131.084
C_093	<i>Eucalyptus tetrodonta</i>	16m x 16m	62	Reduce extended south branch over yards by 30% max cut 200mm, Deadwood removal	High		-12.732	131.0838
C_094	<i>Eucalyptus tetrodonta</i>	10m x 8m	28	Removal	High		-12.7314	131.0846
C_095	<i>Acacia auriculiformis</i>	7m x 4m	16	Removal	High		-12.7314	131.0847
C_096	<i>Corymbia miniata</i>	11m x 8m	38	Removal	High		-12.7314	131.0829
C_097	<i>Corymbia miniata</i>	14m x 8m	34	Removal	High		-12.7314	131.0824



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
C_098	<i>Eucalyptus tetradonta</i>	15m x 18m	58	Removal	Urgent		-12.7317	131.0835
C_099	<i>Corymbia miniata</i>	11m x 6m	38	Removal	High		-12.7319	131.0827
C_100	<i>Corymbia miniata</i>	11m x 12m	42	Removal	High		-12.7319	131.0825
C_101	<i>Maranthes corymbosa</i>	12m x 10m	44	Property/asset clearance of building	High		-12.733	131.0827
C_102	<i>Maranthes corymbosa</i>	12m x 10m	49	Property/asset clearance of building	High		-12.7329	131.0828
C_103	<i>Artocarpus heterophyllus</i>	8m x 6m	22	Property/asset clearance of building	High		-12.7329	131.0828
C_104	<i>Maranthes corymbosa</i>	12m x 10m	44	Property/asset clearance of building	High		-12.733	131.083
C_105	<i>Corymbia miniata</i>	9m x 3m	45	Removal	High		-12.7332	131.0824
C_106	<i>Erythrophleum chlorostachys</i>	14m x 14m	40	Reduce extended branches over road by 20% - max cut 120mm, Deadwood and hanging branch removal	High		-12.7323	131.0836
C_154	<i>Eucalyptus tetradonta</i>	16m x 14m	56	Removal	High		-12.7322	131.083



3.8 McMinns Lagoon

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_116	<i>Acacia auriculiformis</i>	14m x 12m	38	No works	None	Works have been carried out	-12.5509	131.0839
A_117	<i>Acacia auriculiformis</i>	17m x 15m	65	Reduce extended branch over carpark by 10% max cut 40mm	High		-12.5513	131.0839
A_118	<i>Acacia auriculiformis</i>	14m x 15m	61	Individual branch removal	High	Remove decaying limb over walking track	-12.5516	131.0839
A_119	<i>Acacia auriculiformis</i>	16m x 20m	68	Removal	Urgent	Neighbour's tree. Brackets in both stems and limbs overhanging carparking.	-12.5516	131.084
A_120	<i>Acacia auriculiformis</i>	16m x 12m	53	Removal	High		-12.5515	131.0838
A_121	<i>Corymbia polycarpa</i>	7m x 6m	22	Removal	High	Reduced to 4m tall stump	-12.5515	131.0837
A_122	<i>Erythrophleum chlorostachys</i>	11m x 8m	70	Removal	High		-12.5515	131.0837
A_123	<i>Acacia auriculiformis</i>	10m x 9m	23	Removal	High		-12.5514	131.0835
A_124	<i>Acacia auriculiformis</i>	14m x 7m	30	Removal	High		-12.5509	131.0835
A_125	<i>Removed</i>	0m x 0m	1	No works	None		-12.5509	131.0836
A_126	<i>Eucalyptus tetradonta</i>	10m x 4m	40	Removal	High	Regrowth from stump. Trunk lopped at 1.5m.	-12.5508	131.0836
A_127	<i>Acacia auriculiformis</i>	7m x 1m	24	No works	None	Leader failure- tree now large stump unlikely to fail	-12.5509	131.0829



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_128	<i>Acacia auriculiformis</i>	16m x 12m	47	Individual branch removal	High	Remove 2 extended limbs over walking track with bracket fungi at union	-12.5509	131.0829
A_129	<i>Erythrophleum chlorostachys</i>	13m x 10m	48	Removal	High		-12.5509	131.0831
A_130	<i>Acacia auriculiformis</i>	8m x 1m	18	Removal	High		-12.5511	131.0833
A_131	<i>Acacia auriculiformis</i>	2m x 1m	50	No works	None	Works have been carried out- tree reduced to stump	-12.5512	131.0834
A_132	Removed	0m x 0m	1	No works	None	Works have been carried out	-12.5516	131.0835
A_133	<i>Acacia auriculiformis</i>	12m x 8m	31	Removal	High		-12.5516	131.0835
A_134	<i>Acacia auriculiformis</i>	12m x 10m	38	Removal	High	Tree is in decline	-12.5516	131.0844
A_135	<i>Erythrophleum chlorostachys</i>	11m x 12m	45	Removal	Urgent	Tree is in severe decline	-12.5516	131.0845
A_136	<i>Acacia auriculiformis</i>	6m x 5m	22	Removal	High	Tree has failed, removal still required	-12.5516	131.0846
A_137	<i>Acacia auriculiformis</i>	14m x 13m	34	Reduce large branches over footpath by 30%-max cut 60mm, Individual branch removal	High	Remove extended limb overhanging gate, reduce others	-12.5517	131.0847
A_138	<i>Eucalyptus alba</i> var. <i>australasica</i>	14m x 10m	47	Removal	High		-12.5516	131.0866
A_139	<i>Eucalyptus alba</i> var. <i>australasica</i>	15m x 10m	45	Removal	High		-12.5516	131.0867



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_140	<i>Eucalyptus alba</i> var. <i>australasica</i>	14m x 10m	36	Removal	High		-12.5516	131.0867
A_141	<i>Eucalyptus alba</i> var. <i>australasica</i>	16m x 12m	48	Removal	High		-12.5516	131.0868
A_142	<i>Eucalyptus alba</i> var. <i>australasica</i>	12m x 10m	38	Removal	High		-12.5516	131.0871
A_143	<i>Acacia auriculiformis</i>	8m x 9m	32	Canopy lift over vehicle/walking track, Individual branch removal	High	Remove dead stem and dead branch from adjacent tree and lift limb restricting vehicle access	-12.5516	131.0878
A_144	<i>Acacia auriculiformis</i>	9m x 9m	23	Removal	High	Cracked roots and decay at base	-12.5517	131.085
A_145	<i>Acacia auriculiformis</i>	15m x 8m	45	Removal	High		-12.5513	131.0826
A_146	<i>Acacia auriculiformis</i>	13m x 8m	24	Removal	High		-12.5511	131.0826
A_147	<i>Acacia auriculiformis</i>	14m x 16m	42	No works	None	Works have been carried out	-12.5515	131.0824
A_148	<i>Acacia auriculiformis</i>	12m x 10m	29	No works	None	Works have been carried out	-12.5517	131.0824
A_149	<i>Acacia auriculiformis</i>	17m x 20m	64	Removal	Urgent		-12.5524	131.0819
A_150	<i>Acacia auriculiformis</i>	14m x 10m	43	Removal	High	Remove broken branch from adjacent tree, Tree is in decline	-12.5522	131.0822
A_151	<i>Acacia auriculiformis</i>	6m x 3m	2	Removal	High	Deadwood may impact walking track	-12.5525	131.0838



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_152	<i>Acacia auriculiformis</i>	9m x 7m	45	Removal	High	Deadwood over path, retain reduced stump as habitat	-12.5568	131.0825
C_155	<i>Acacia auriculiformis</i>	14m x 12m	56	Removal	Urgent	Starting to lift at ground level	-12.5529	131.0839



3.9 Thorak Regional Cemetery

Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_153	<i>Allosyncarpia ternata</i>	8m x 12m	35	Canopy lift over driveway/carpark	High	Pruning has occurred but branches still low over driveway	-12.4126	130.9656
A_154	<i>Tamarindus indica</i>	6m x 6m	26	No works	None	Works have been completed/no longer necessary	-12.4121	130.9663
A_155	<i>Tamarindus indica</i>	6m x 7m	25	No works	None	Works have been completed/no longer necessary	-12.4123	130.9665
A_156	<i>Tamarindus indica</i>	4m x 5m	21	Property/asset clearance of building	High	Group of 2 require clearance from building	-12.4123	130.9669
A_157	<i>Melaleuca leucadendra</i>	7m x 6m	34	Property/asset clearance of building	High	Reduce building-side stem.	-12.4124	130.9672
A_158	<i>Terminalia microcarpa</i>	8m x 9m	52	Property/asset clearance of building, Deadwood removal, Broken branch removal	High		-12.413	130.9657
A_159	<i>Terminalia microcarpa</i>	9m x 10m	44	Property/asset clearance of building	High		-12.4131	130.9656
A_160	<i>Terminalia microcarpa</i>	11m x 12m	64	Canopy lift over path and reduce lowest limb over gazebo	High		-12.413	130.9655
A_161	<i>Maranthes corymbosa</i>	12m x 14m	49	Individual branch removal	High	Remove extended branch over driveway	-12.4132	130.9654
A_162	<i>Maranthes corymbosa</i>	11m x 12m	42	Individual branch removal, remove extended branch over road	High	Remove extended branch over road	-12.4136	130.9654
A_163	Removed	0m x 0m	1	No works	None		-12.414	130.9661
A_164	<i>Alstonia actinophylla</i>	7m x 9m	52	Codominant reduction/removal	Urgent	Heavily reduce decaying southern stem and included lower limb to north	-12.4141	130.966



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
A_165	<i>Allosyncarpia ternata</i>	16m x 10m	42	Codominant reduction/removal	High	Heavily reduce stem with previous failure wound	-12.4151	130.9664
A_166	<i>Alstonia actinophylla</i>	9m x 6m	30	Codominant reduction/removal	High	Remove eastern stem	-12.4145	130.9662
B_301	Removed	0m x 0m	1	No works	None		-12.4126	130.9666
B_302	<i>Maranthes corymbosa</i>	11m x 8m	40	Canopy lift over driveway/carpark	High		-12.4126	130.9667
B_303	<i>Cerbera manghas</i>	6m x 6m	24	Removal	High		-12.4126	130.9669
B_304	Removed	0m x 0m	1	No works	None		-12.4126	130.9673
B_305	Removed	0m x 0m	1	No works	None		-12.4126	130.9675
B_306	<i>Khaya senegalensis</i>	15m x 20m	64	Reduce extended branches by 10-20% max cut 80mm	High		-12.4126	130.9676
B_307	<i>Khaya senegalensis</i>	15m x 18m	81	Reduce extended branches by 10-20% max cut 80mm, Deadwood removal	High		-12.4127	130.9676
B_308	<i>Khaya senegalensis</i>	13m x 12m	66	Broken branch removal	High		-12.4135	130.9676
B_309	<i>Khaya senegalensis</i>	14m x 16m	59	Reduce extended branches by 10-20% max cut 80mm	High		-12.4144	130.9676
B_310	<i>Khaya senegalensis</i>	14m x 14m	79	Reduce extended branches by 10-20% max cut 80mm	High		-12.4154	130.9676
B_311	<i>Khaya senegalensis</i>	16m x 16m	70	Reduce extended branches by 10% max cut 60mm	High	Recently pruned but has not alleviated lionstailing	-12.4155	130.9674



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_312	<i>Khaya senegalensis</i>	16m x 16m	49	Reduce extended branches by 10% max cut 40mm	High	Recently pruned but has not alleviated lionstailing	-12.4155	130.9673
B_313	Removed	0m x 0m	1	No works	None		-12.4155	130.9673
B_314	<i>Khaya senegalensis</i>	16m x 16m	61	Reduce extended branches by 10-20% max cut 80mm	High		-12.4155	130.9672
B_315	<i>Khaya senegalensis</i>	16m x 20m	65	Removal	Urgent		-12.4155	130.967
B_316	<i>Khaya senegalensis</i>	16m x 20m	73	Reduce extended branches by 10-20% max cut 60mm	High		-12.4155	130.967
B_317	Removed	0m x 0m	1	No works	None		-12.4155	130.967
B_318	<i>Khaya senegalensis</i>	18m x 20m	110	Reduce extended branches by 10% max cut 40mm, Codominant reduction/removal	High	Recently pruned but has not alleviated lionstailing	-12.4155	130.9669
B_319	<i>Khaya senegalensis</i>	16m x 18m	77	Reduce extended branches by 10-20% max cut 80mm	High		-12.4155	130.9667
B_320	<i>Maranthes corymbosa</i>	10m x 7m	22	Canopy lift over driveway/carpark	High		-12.414	130.9671
B_321	<i>Carpentaria acuminata</i>	11m x 1m	20	Removal	High		-12.4124	130.966
B_322	Stump	1m x 1m	40	Removal	High	Remove stump due to possible pathogen presence	-12.4124	130.966
B_323	Stump	1m x 1m	40	Removal	High	Remove stump due to possible pathogen presence	-12.4124	130.966
B_324	<i>Roystonea regia</i>	11m x 2m	32	Removal	High	Canopy dieback and trunk bulge/thinning indicate possible presence of pathogen	-12.4124	130.966



Label ID	Botanical Name	H x W	DBH (cm)	Works	Priority	Comments	Lat	Long
B_325	<i>Carpentaria acuminata</i>	11m x 2m	14	Removal	High	Canopy dieback	-12.4124	130.9661
B_326	<i>Roystonea regia</i>	12m x 2m	25	Removal	High	Major trunk wound- possibly due to brushcutter	-12.4121	130.9661
B_327	<i>Stump</i>	1m x 1m	22	Removal	High	Remove stump due to possible pathogen presence	-12.4124	130.966



COUNCIL REPORT

Agenda Item Number:	15.2
Report Title:	Freds Pass Road Subdivision Place Name Report – Park Name
Report Number:	18/0181
Meeting Date:	12/12/2018
Attachments:	Attachment A – Map of Park Location

Purpose

The purpose of this report is to refer to Council a request for support to the NT Place Names Committee for the naming of a park in the new subdivision at 110 Freds Pass Road, Humpty Doo.

Summary

As part of a new subdivision, a new Council park is being created in Humpty Doo. The applicant has requested comments from Council regarding a proposal to name the park. It is recommended that Council resolve to support the naming of the park as proposed.

Recommendation

THAT Council

1. Support naming the park Gregg Park as shown on Attachment A.
2. Provide a letter of comment to the applicant detailing the above resolution to support the naming of the park to the NT Place Names Committee.

Background

In September 2014, a Development Permit was issued to subdivide 110 Freds Pass Road, Humpty Doo into 59 lots in 4 stages. The subdivision includes a new public open space, as shown in Attachment A. The public open space area will provide a new park space for residents in Humpty Doo. As with other park/public open spaces in new subdivisions across the Northern Territory, Council will be taking over ownership of the park space once the subdivision is complete. The developer will be responsible for constructing all park infrastructure, in line with Council's Development and Subdivision Standards.

The developers of the subdivision are requesting comment from Council, in accordance with Council Policy TS03 Place Names Policy, to name the new park.

The developer proposes to name the park Gregg Park, as the park borders Gregg Road within the subdivision. While the park also borders Jukes Road, there is already a Jukes Park in Katherine so that name is not considered suitable and has not been used.

Gregg Road was named after Cossie Gregg, who came to Tennant Creek in 1933. Mr Gregg had a share in Weabers Rising Sun Mine, and he carted their first crushing all the way to Peterborough in

South Australia. He was a grand dance pianist and no ball or social function was held without Cossie. He had only one eye and before his death in Darwin was nearly blind.

Summary

It is recommended that Council support the naming of the park Gregg Park.

Council's resolution of support would then be provided to the applicant to include with an application to the NT Place Names Committee for the formal naming of the park. The NT Place Names Committee would then carry out activities in accordance with the Place Names Act to name the new park.

Links with Strategic Plan

Priority # 2 – A great place to live

Legislative and Policy Implications

Not applicable to this report.

Risks

Not applicable to this report.

Financial Implications

Not applicable to this report.

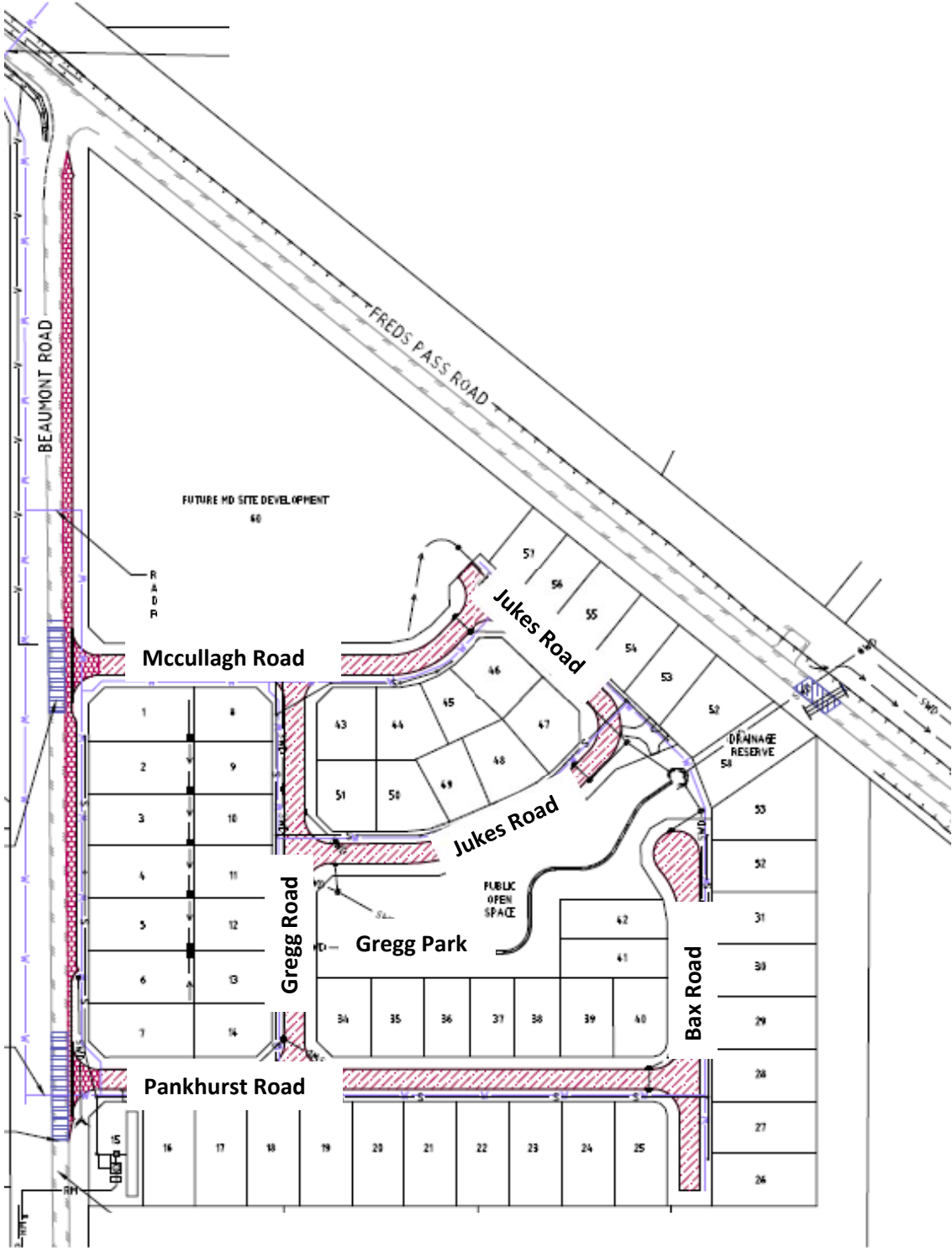
Community Engagement

Not applicable to this report.

Recommending Officer: Nadine Nilon, Director Infrastructure and Operations

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.





COUNCIL REPORT

Agenda Item Number:	15.3
Report Title:	670 Letchford Road Subdivision – New Road Name
Report Number:	18/0182
Meeting Date:	12/12/2018
Attachments:	Attachment A – Map of Road Location

Purpose

The purpose of this report is to refer to Council a request for support to the NT Place Names Committee for the naming of a road in the new subdivision at 670 Letchford Road, Darwin River.

Summary

Due to a new subdivision, a new Council road is being created in Darwin River. The applicant has requested comments from Council regarding a proposal to name the road. It is recommended that Council resolve to support the naming of the road as proposed.

Recommendation

THAT Council

1. Support naming the road, as shown on Attachment A, Peel Creek Close.
2. Provide a letter of comment to the applicant detailing the above resolution to support the naming of the park to the NT Place Names Committee.

Background

In September 2014, a Development Permit was issued to subdivide 670 Letchford Road, Darwin River, into seven lots. While subsequent variations to the proposal have allowed the lots to be developed in stages, the proposal for a seven-lot subdivision remains the same. As with all roads in new subdivisions, Council will take over the road once the subdivision is completed and the road is constructed in accordance with Council's Development and Subdivision Standards.

The developer of the subdivision is requesting comment from Council, in accordance with Council Policy TS03 Place Names Policy, to name the new road.

The developer proposes to name the road Peel Creek Close, as the road terminates into a parcel that contains Peel Creek. "The Peel Creek" is a registered place name for this stream. In 1869, Surveyor A H Smith of Goyder's survey teams, named the stream "The Peel". It is believed to be named after the survey expedition doctor, Dr Robert Peel. The road is a cul-de-sac that is not expected to extend further in the future, due to the drainage requirements of the creek, and has therefore been recommended as a "Close" by the developer.

Summary

It is recommended that Council support the naming of the road Peel Creek Close.

Council's resolution of support would then be provided to the applicant to include with an application to the NT Place Names Committee for the formal naming of the road. The NT Place Names Committee would then carry out activities in accordance with the Place Names Act to name the new road.

Links with Strategic Plan

Priority # 2 – A great place to live

Legislative and Policy Implications

Not applicable to this report.

Risks

Not applicable to this report.

Financial Implications

Not applicable to this report.

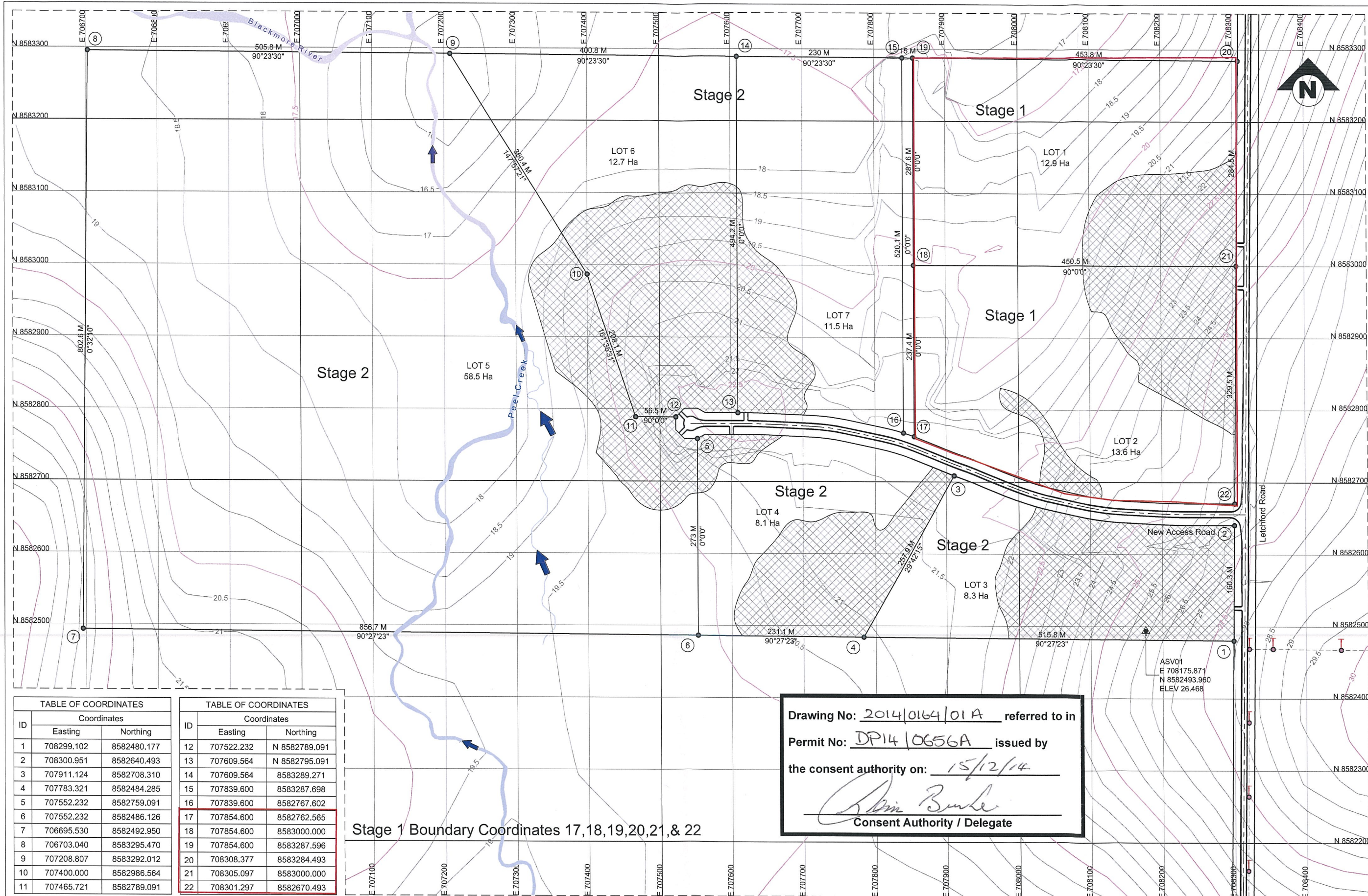
Community Engagement

Not applicable to this report.

Recommending Officer: **Nadine Nilon, Director Infrastructure and Operations**

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



Drawing No: 2014/0164/01A referred to in
 Permit No: DP14/0656A issued by
 the consent authority on: 15/12/14

 Consent Authority / Delegate

 Ground Floor, Energy House, 18 - 20 Cavenagh Street, Darwin NT GPO Box 3877 Darwin NT 0801 Tel : +61 402 533 955, +61 403 259 834 E-mail : peter.chapman@azimuth-infrastructure.com		REVISION	DESCRIPTION	INTS.	DATE	PROJECT SECTION 764 HUNDRED OF CAVENAGH				DRAWING TITLE PROPERTY BOUNDARY LENGTH, BEARING INFORMATION & EXISTING POWER POLES	
		0	Issued for Construction		1 Oct 14	DRAWN	DATE	DRAWING CHECKED	DATE		
		1				ISK	01-10-2014	PC	01-10-2014		
		2				DESIGNED	DATE	APPROVED	DATE		
		3				FSA	01-10-2014	TB	01-10-2014	DRAWING STATUS FOR CONSTRUCTION	
		4				SHEET	TOTAL SHEET	SCALE	SHEET SIZE	REVISION	DRAWING No. CV-BI01
						5 OF 28	28	1 : 5,000	A3	0	



COUNCIL REPORT

Agenda Item Number:	15.4
Report Title:	Request to Lease Council Land at 185 Trippe Road and/or 125 Kostka Road, Humpty Doo for Telecommunications Tower
Report Number:	18/0183
Meeting Date:	12/12/2018
Attachments:	Attachment A – Request from Visionstream Attachment B – Map of 185 Trippe Road and Surrounds Attachment B – Map of 125 Kostka Road and Surrounds

Purpose

This report presents for Council consideration a request to lease land to NBN Co Limited for the installation of telecommunications facilities.

Summary

In the course of deploying the National Broadband Network within this region, Council has received a request to consider leasing land to NBN Co Limited for telecommunication facilities at either or both:

- 185 Trippe Road, Humpty Doo and
- 125 Kostka Road, Humpty Doo.

Should the sites be considered suitable and Council be willing to enter into a lease, NBN Co would enter into a 20-year lease agreement with Council and provide agreed upon rental payments.

NBN service is a federal government project and these facilities can be considered essential services; as such, it is recommended that Council move forward in the process of evaluating the suitability of the above sites, supporting the request to lease Council land, subject to a number of conditions.

Recommendation

THAT Council:

1. support in principle the request to lease Council land at either 185 Trippe Road, Humpty Doo or 125 Kostka Road, Humpty Doo for the erection of telecommunications facilities, subject to meeting the following conditions:
 - a. ensuring protection of the amenity of affected residents,
 - b. proof of adequate consultation demonstrating support from affected residents, and
 - c. determining a location within the subject site suitable to Council.
2. writes to Visionstream to advise of this decision.

Background

To install the NBN in the Litchfield region, proposals involve fixed wireless technology supported by strategically located base stations. Visionstream has been engaged by Ericsson to deploy the NBN in this area and have identified two Council properties that they consider may be suitable for further investigation for installation of telecommunications facilities.

Visionstream has preliminarily identified 185 Trippe Road, Humpty Doo and 125 Kostka Road, Humpty Doo as potentially being suitably located for telecommunications facilities to service the rural area. At this time, the company has yet to finalise any plans for facilities on the subject sites. The company has first sought from Council whether there is interest in leasing the sites for the facilities. Should Council determine leases are suitable, the company will conduct site visits of the properties and region and determine whether to proceed with entering into leases with Council for the sites.

The company would also then determine the level of facilities required for the sites. The proposed installations may entail a freestanding monopole or lattice tower. The site area of the facilities would be 12m x 10m; however, until further site investigations are made, it is unclear how much of the site would be required for appropriate access to the facilities. The information from Visionstream does not specify a height for the features, though the material appears to indicate a maximum height of 40m to 50m.

Should Council be interested in leasing the sites and the sites be suitable for providing appropriate wireless coverage, NBN proposes to enter into a 20-year lease agreement with Council, providing approximately \$6,000 annually in rent with a 2.5% annual increase.

Council does not currently have any lease arrangements with telecommunications companies.

If the towers were installed, they would be capable of servicing other telecommunications companies (e.g. Telstra, Optus) and would be available in the future for additional use by other companies.

For the application, at this stage of development for Visionstream, it is recommended to support in principle the lease of Council land at either 185 Trippe Road, Humpty Doo or 125 Kostka Road, Humpty Doo for the erection of telecommunications facilities. To enable a decision to be made on entering into a lease arrangement, a number of conditions would be required to be met, being:

- a. ensuring protection of the amenity of affected residents,
- b. proof of adequate consultation demonstrating support from affected residents, and
- c. determining a location within the subject site suitable to Council.

If the conditions are met and Visionstream were aiming to proceed, a further report would be provided to Council prior to entering into a lease. Following this, the required planning processes to place the telecommunications facilities on the sites would be undertaken by the proponent and all activities would be at no cost to Council.

Links with Strategic Plan

Priority # 3 – A beautiful and safe natural environment

Legislative and Policy Implications

Council currently has no leasing arrangements in place for this type of facility.

Risks

Council has not had the opportunity to assess any potential environmental or amenity impacts of this proposal and the community's acceptance of the proposal is unclear.

Ultimate approval of leasing these sites for telecommunications uses could be seen as setting a precedence for similar future requests, including the attachment of additional equipment from other services providers to this facility. However, as each application is varied, they are assessed on a case by case basis.

Financial Implications

If a site proceeded to being leased, Council would receive lease income of approximately \$6,000 per annum, with 2.5% annual increase on a 20-year lease term.

There are no maintenance implications for Council as the area occupied by the lease would be the responsibility of the lessee to maintain.

Community Engagement

Not applicable to this report.

Recommending Officer: **Nadine Nilon, Director Infrastructure and Operations**

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



26th October 2018

**LITCHFIELD COUNCIL
PO BOX 446
HUMPTY DOO NT 0836**

Locked Bag 4001
Moorabbin Vic 3189
T: (03) 9258 5700
F: (03) 9563 7481

Our Ref: F & M) Litchfield Council Greenfield/CUFT 818 549 & CUFT 818 535

To whom it may concern,

**Expression of Interest – NBN Network Rollout
Potential site for NBN Fixed Wireless Broadband Facility**

As part of the government's initiative and commitment to provide competitive high speed broadband services across Australia, Visionstream have been engaged by Ericsson to deploy the National Broadband Network (NBN) in your region on behalf of NBN Co Limited.

The provision of the service in this area will utilise a state-of-the art fixed wireless technology involving strategically located base station installations. A fact sheet further explaining the proposed fixed wireless network is attached.

During our initial site investigations, your property at the above location has been identified as a potential location for a radio network base station facility which when established will enable residents, businesses and the community within this area to access high speed fixed wireless broadband with speeds of up to 25 megabits per second.

The proposed installation would entail a freestanding monopole or lattice tower occupying a maximum ground area of approximately 12m x 10m. After construction, the site is remotely monitored and maintenance access is rarely required. The location of the facility of the property is flexible but we ideally need to be relatively close to power and a point of access.

NBN Co. would enter into a 20 year lease agreement with the said landowner providing a rental of approximately \$6,000 per annum with a 2.5% annual increase.

If a leasing proposal is of interest to you and you are willing to assist in the deployment of competitive broadband services for the benefit of the wider community, please contact our property consultant to further discuss the matter.



Our technical team plans to be in your area in the coming weeks to conduct the necessary evaluation for potential sites and we will look to contact you later this week to discuss this matter after you have reviewed the attached information package.

Yours sincerely

Consultant Name: Jimmy Vaya

Phone Number: W: +61 3 9258 5742 M: +61 428 155 113

Email Address: Jimmy.Vaya@visionstream.com.au

Attachments Fact Sheet

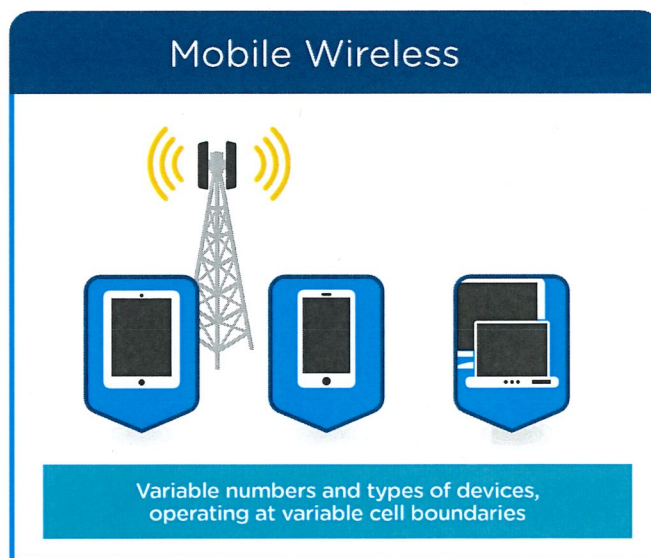
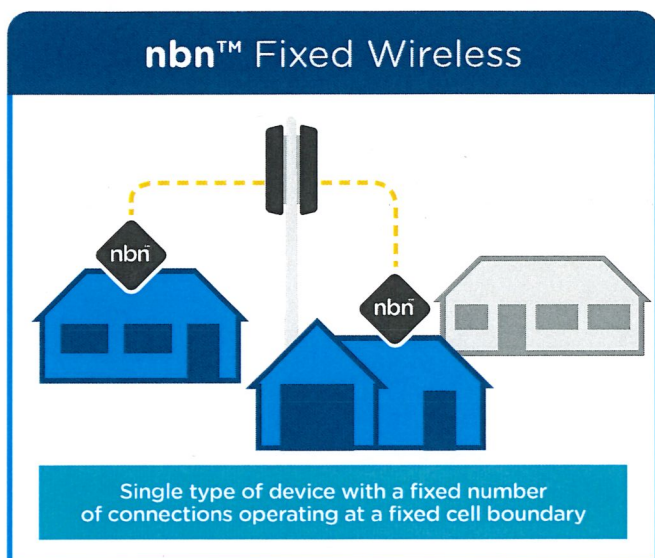
Fact Sheet:

nbn™ Fixed Wireless connections

What is Fixed Wireless?

The **nbn™** Fixed Wireless network uses advanced technology commonly referred to as LTE or 4G, and is engineered to deliver services to a fixed number of premises within each coverage area.

This means that the bandwidth per household is designed to be more consistent than mobile wireless, even in peak times of use. Unlike a mobile wireless service where speeds can be affected by the number of people moving into and out of the area, the speed available in a Fixed Wireless network is designed to remain relatively steady.



What is the **nbn™** network?

The **nbn™** network is Australia's new landline phone and internet network. It's designed to provide you with access to all the benefits of fast and reliable internet services, no matter where you live.

To make sure everyone has the chance to access fast and reliable landline phone and internet services as quickly and cost effectively as possible, the **nbn™** network is being rolled out using a mix of technologies that are best suited to your area.

The **nbn™** network is so much more than fast internet. A state of the art communications network opens up a world of possibilities across areas such as education, business and entertainment, and gives Australians the opportunity to be more productive, more creative, more efficient and more connected for decades to come.

As a wholesaler, **nbn** does not sell direct to the public. That means, to move your services over to the **nbn™** network, (both home and business services) you will need to contact a phone or internet provider and choose a new plan that suits your needs directly with them.



Australia's
broadband
network
bring it on

How does **nbn**TM Fixed Wireless work?

The **nbn**TM Fixed Wireless network is designed to offer retail service providers with wholesale access speeds of up to 25Mbps for downloads and 5Mbps for uploads.

While **nbn**'s high-quality Fixed Wireless service is not a mobile service, it will use cellular technology to transmit signals to and from a small antenna fixed on the outside of a home or business, which is pointed directly towards the **nbn**TM Fixed Wireless facility. **nbn** has designed each facility to serve a set number of premises, which enables greater consistency in the speed and quality of service that can be delivered to each home and business receiving the **nbn**TM Fixed Wireless service. The actual speed and quality of the service experienced by end users will depend on some factors outside **nbn**'s control including equipment quality, software, plans offered by service providers and how their service provider designs its network.

Building the **nbn**TM Fixed Wireless network

In order to provide access to fast, affordable and reliable internet, **nbn** works in consultation with local, state and federal governments to determine the most efficient and effective way to roll out the Fixed Wireless network. A key consideration in these decisions is the optimal network design. The **nbn**TM network engineers take into account factors such as population density, geography and other network specific considerations when defining rollout plans.

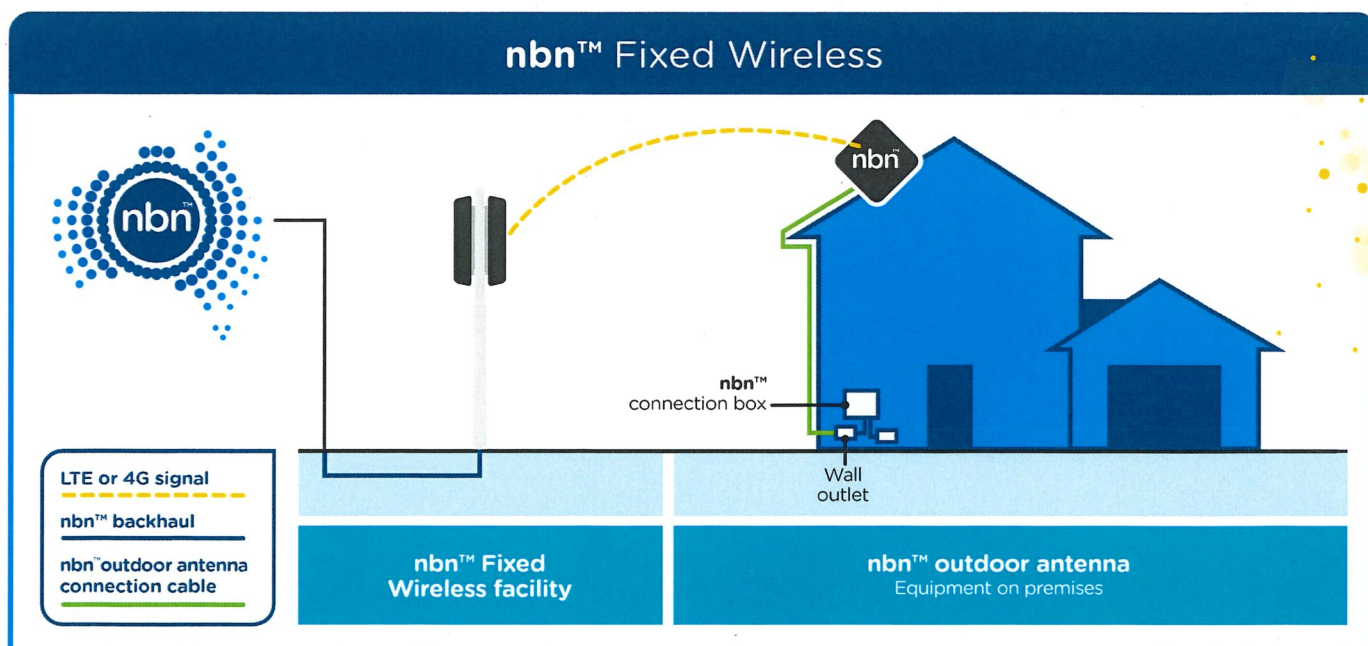
The Fixed Wireless rollout is now well underway, with many regions already live and receiving services. **nbn**'s priority is to use existing telecommunications structures wherever possible. Where there is a lack of suitable, available infrastructure, **nbn** will seek to establish new sites to facilitate the delivery of consistent, high quality broadband. This generally involves lodging a development application with the relevant authority and engaging with the local community

nbnTM Fixed Wireless at your place

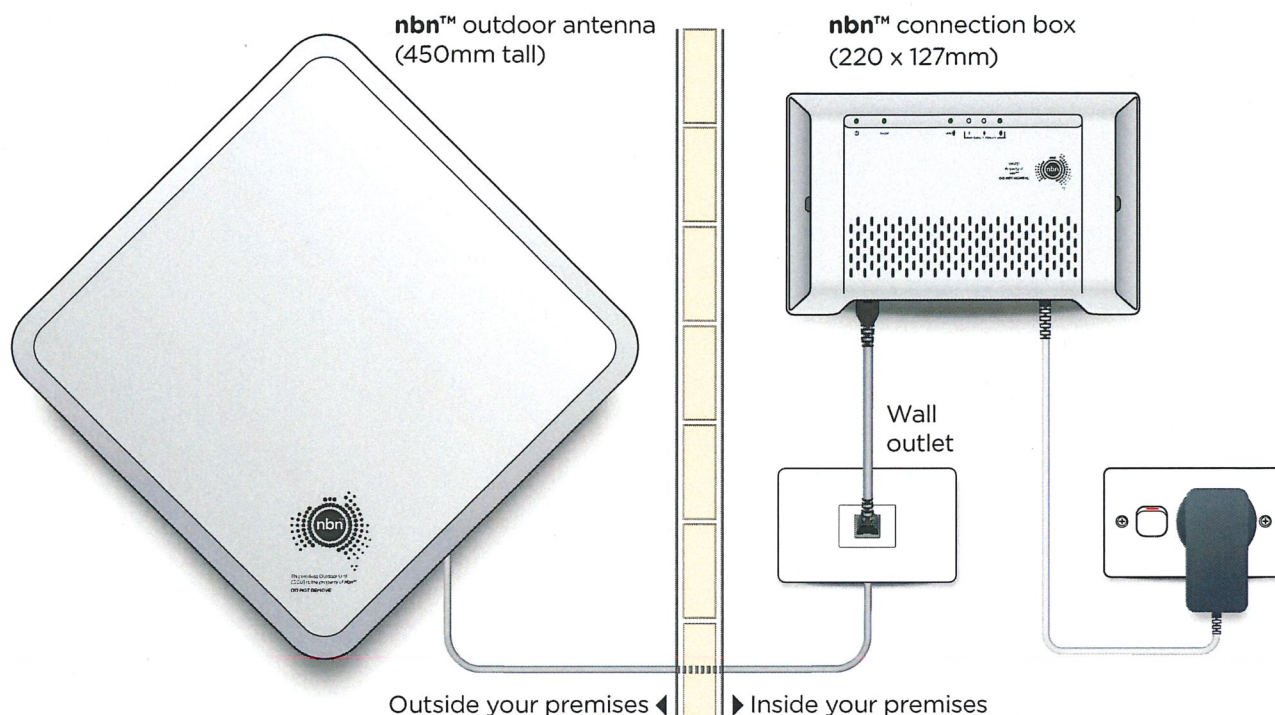
Our Fixed Wireless services are delivered by radio communications from an **nbn**TM Fixed Wireless facility direct to a small outdoor antenna attached to the premises.

The antenna on the outside of a home or business will be connected by a cable running through the wall to the **nbn**TM connection box which will be located within your home or business. Generally, your phone or internet service provider will assist you with the best means of

connecting your computer, TV or Wi-Fi router to the **nbn**TM supplied connection box. That device sits within the building, and is hardwired to the **nbn**TM outdoor antenna pointed at an **nbn**TM Fixed Wireless facility.



What does **nbn**TM Fixed Wireless equipment look like?



Getting connected

nbn is a wholesale provider, which means that once Fixed Wireless becomes available in your area, you will need to contact your preferred service provider to order a service. Although your copper phone line will remain in place, your service provider may offer voice over broadband products as an alternative to landline telephone services.

Before the network equipment is installed, a service validation test will be carried out. If your home or business is unable to be served by **nbn**TM Fixed Wireless or other fixed line technologies, you will likely be able to receive **nbn**'s Long Term Satellite service which is scheduled for launch in 2016. In the meantime there may be a number of other options available including mobile

internet and commercial satellite. We recommend that you speak to your preferred phone or internet provider to discuss your options.

Once the validation test has been confirmed, your service provider will organise the installation of **nbn**TM supplied equipment at your premises. A standard installation of **nbn**TM supplied equipment is currently free of charge. Remember to ask your preferred provider if they have any other fees. For more information about standard and non-standard installations please visit nbn.com.au

To switch to the **nbn**TM network:

- Call your preferred phone or internet provider
- Choose a package that suits your needs

For a full list of service providers visit www.nbn.com.au/serviceproviders

Fact Sheet: How will **nbn** design the Fixed Wireless network?



Australia's
broadband
network
bring it on

Fixed Wireless background

Fixed Wireless systems have a long history of being used for voice and data communications, supporting networks operated by phone companies, cable TV companies, utilities and railways. The name 'Fixed Wireless' explains the way signals are delivered to stationary, or 'fixed' antennas and facilities mounted on buildings, homes and other structures.

Fixed Wireless is different to current mobile wireless networks, which deliver varying speeds and reception depending on how many people are moving in and out of the area and whether they are using the network for low volume email or high volume downloads or video services.

The **nbn**TM Fixed Wireless network uses advanced technology called LTE (commonly referred to as 4G). The **nbn**TM network has been designed to reduce the impact of mobile wireless variables by setting a limit on the number of premises serviced by each **nbn**TM Fixed Wireless facility. People's usage of the network will still vary, but the set number of serviced premises in each area means that the bandwidth available to each household is designed to be consistent, even in peak times of use*.

To be able to achieve this, each **nbn**TM Fixed Wireless facility needs to be situated reasonably close to the homes and business which will receive the **nbn**TM Fixed Wireless network. Each customer will have a small antenna installed on the outside of their home or business, in near line of sight to the **nbn**TM Fixed Wireless facility. This setup is designed to provide greater consistency in the speed and quality of service that can be delivered to each premises*.

How is the **nbn**TM Fixed Wireless facility designed?

To achieve optimal Fixed Wireless coverage to the greatest number of local premises, **nbn** must locate each **nbn**TM Fixed Wireless facility reasonably close to the premises that it is intended to service.

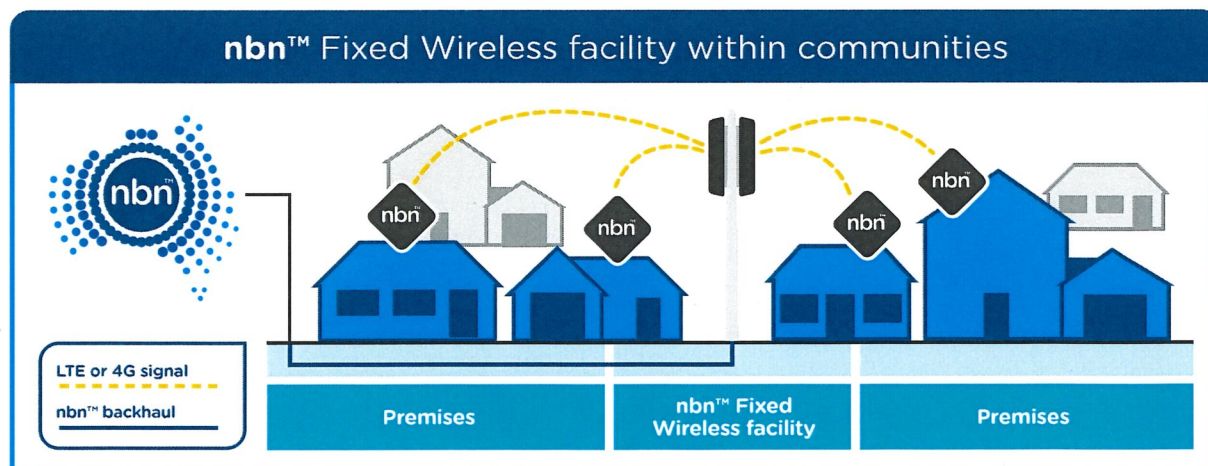
A typical **nbn**TM Fixed Wireless facility will include three antennas mounted above the surrounding area (see diagram below). Each antenna covers a set area to maximise signal strength.

These network antennas communicate to a small antenna installed on the roof of each customer's home or business.

The **nbn**TM Fixed Wireless network

Although **nbn**TM Fixed Wireless facilities are submitted to Council as standalone developments, from a planning perspective, they are highly interdependent. Each **nbn**TM Fixed Wireless facility is connected to another to form a chain of facilities that link back to the **nbn**TM Fibre backhaul network. This is called the 'transmission network'.

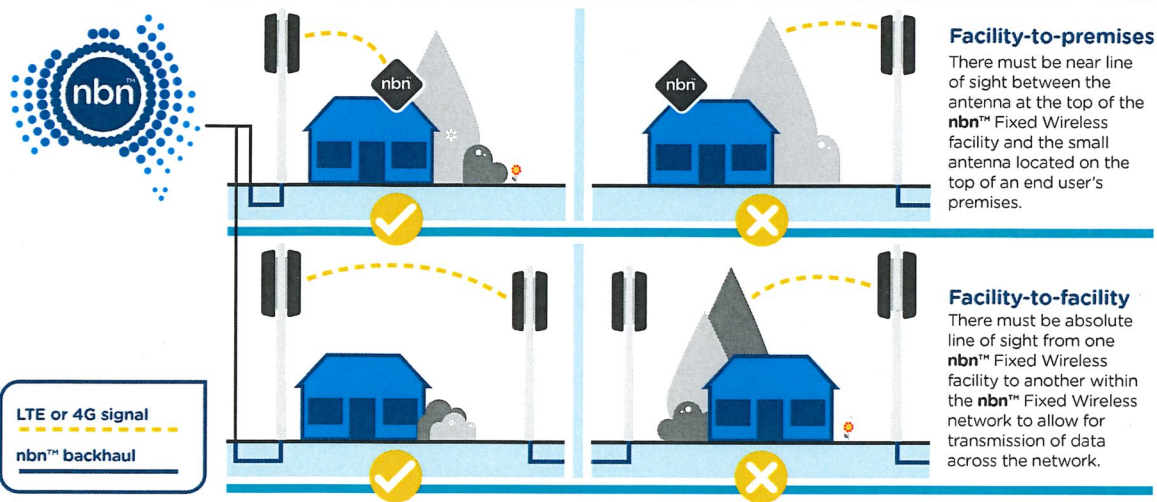
The transmission network requires line of sight from facility to facility until it reaches the **nbn**TM Fibre backhaul network. The **nbn**TM Fixed Wireless network will remain unconnected without the transmission network and a break in this chain can have flow on effects to multiple communities.



*We're designing the **nbn**TM network to provide these speeds to our wholesale customers, telephone and internet service providers. Your experience including the speeds actually achieved over the **nbn**TM network depends on some factors outside our control like your equipment quality, software, broadband plans and how your provider designs its network.

nbn™ Fixed Wireless line of sight

There is a range of other factors that can influence quality of the **nbn™** Fixed Wireless service, which **nbn** has to take into account when choosing a site with the right characteristics. Achieving a clear line of sight free from obstructions like trees, hills or other buildings must be considered in the following ways:



Co-location of facilities

Wherever possible, **nbn** will actively look to use existing infrastructure to provide an **nbn™** Fixed Wireless service. This is often referred to as 'co-location.'

Potential co-location sites include existing mobile facilities and other similar structures such as water towers or silos. For an existing facility to be considered as a viable co-location option, it must be positioned in a way that allows **nbn** to provide the required Fixed Wireless coverage. Adequate space for the **nbn™** antennas at the required height must also be available.

nbn plans to inform Council and place a notice in the local newspaper to let people know that an **nbn™** Fixed Wireless facility is to be established in the area.

New **nbn™** Fixed Wireless facilities

nbn will only propose a new structure to provide local Fixed Wireless services if there is no opportunity to co-locate on an existing structure. When assessing potential locations for new facilities, **nbn** will consider several key factors to determine if a new facility is feasible, including technical, planning and property considerations:

- **Engineering requirements and service coverage.** **nbn™** engineers will research the region to determine what locations could provide good, reliable service provision, maintaining clear line of sight to surrounding customers and to adjoining network facilities. Additionally,

engineers also assess the availability of low voltage power at proposed locations.

- **Planning requirements.** Planning considerations, including zoning of the land and its current use, can be influential in the site selection process. **nbn** carefully considers the visual amenity associated with the new facility, proximity to other structures and land uses, and will endeavour to find a location that satisfies all of the relevant Council and State government planning criteria.
- **Property matters and the ability to secure tenure.** **nbn** must secure tenure of land based on negotiation and agreement with the land owner. A proposal will not proceed without such an agreement.

What happens when a site has been chosen?

Once a site has been selected and plans drawn up for a proposed new **nbn™** Fixed Wireless facility, the proposal will be submitted to the local Council. Residents will then have the opportunity to comment on the proposal in accordance with the relevant planning and development assessment processes.

nbn will always adhere to statutory consultation requirements and typically undertakes broader consultation than is required by the planning legislation for new structures.

Construction of a new **nbn™** Fixed Wireless facility will generally commence following the completion of all relevant planning and consultation processes.

For more information call **1800 687 626** | visit nbn.com.au | info@nbn.com.au

If you want to connect to the **nbn™** network you will need to speak to a phone or internet provider. Maps showing the current rollout plans for the **nbn™** Fibre and **nbn™** Fixed Wireless services areas, as well as further information about the **nbn™** network rollout are available at nbn.com.au

Radio Communications in the Community

Explained Series – Wireless Technology and Health

Issue Date – July 2008

Introduction

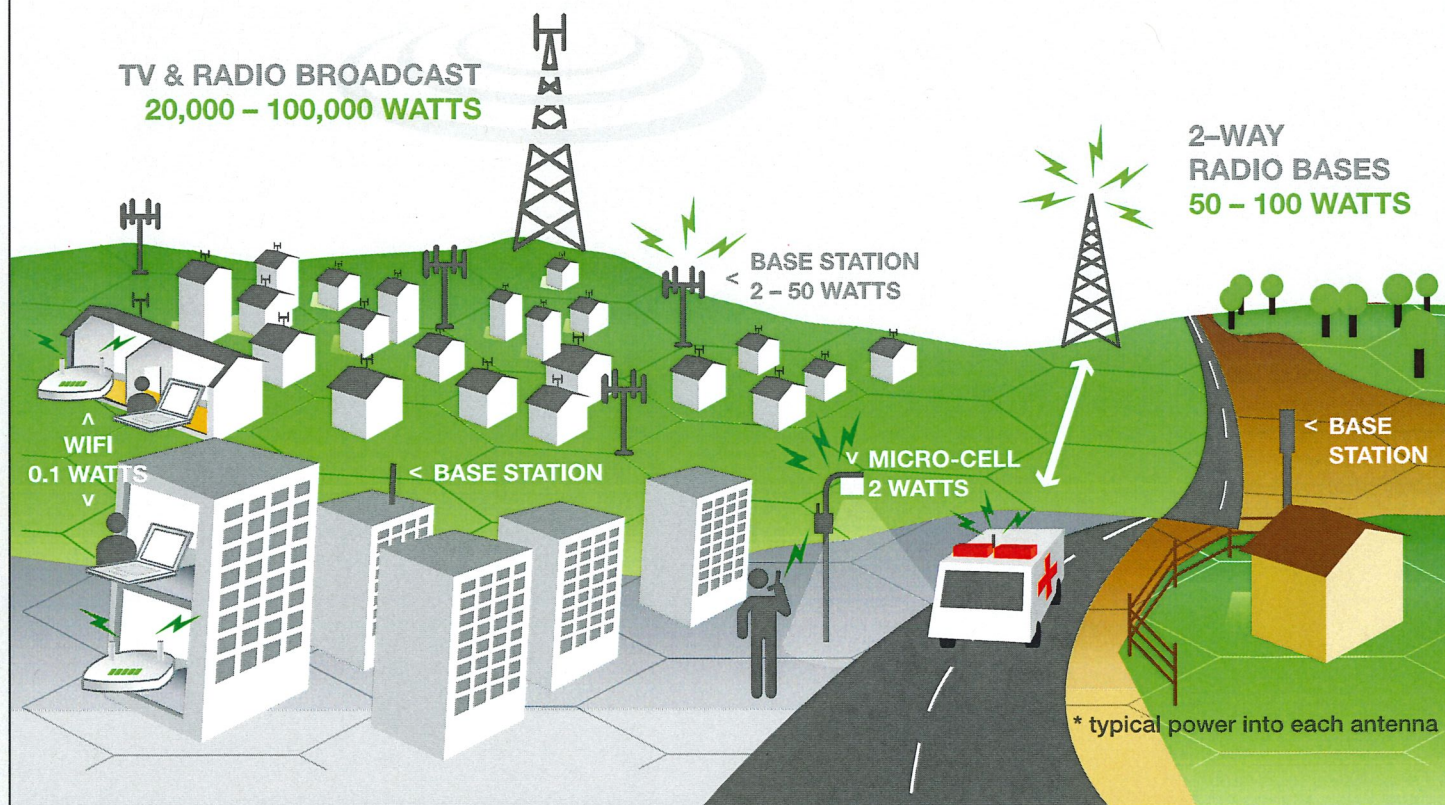
Radio communications are a part of everyday life in today's society. All radio communications systems utilise EMF in the radiofrequency (RF) part of the electromagnetic spectrum. Typical background EMF levels from radio communications systems are very low and well below safety guidelines.

What communications systems use radio frequency technology?

Radio frequency technology is used by

- > TV and AM / FM broadcasts
- > Mobile phones and their base stations
- > Wireless broadband
- > Radio paging services
- > Cordless phones
- > Baby monitors
- > Emergency services communications (police, fire, ambulance)
- > Government communications
- > Air traffic control
- > Rural and country communications.

RADIO COMMUNICATIONS IN THE COMMUNITY



Radio Communications in the Community

Explained Series – Wireless Technology and Health

Issue Date – July 2008

How do the transmitter powers compare?

Radio Systems* Typical Transmitter Power (Watts)

TV & Radio broadcast	5,000 – 100,000
Air traffic control radars	5000 – 20,000
Radio paging services	50 – 100
Emergency communications	50 – 100
Government radio systems	50 – 100
Mobile phone base station	2 – 50
Wireless Broadband base station	2 – 50

Radio Devices Typical Transmitter Power (Watts)

Walkie Talkies	0.1 – 5
Mobile phones	0.002 – 0.2
Wi-Fi Modem	0.1
Cordless phones	0.01 – 0.2
Baby monitors	0.01 – 0.1
Car remote control	0.001 – 0.1

* typical power into antenna

How strong are the environmental or background EMF levels in the community?

In a typical community, broadcast television and radio signals are similar in strength to signals from mobile phone networks and other two-way communications systems. These signals are overall very low and well below the established safety guidelines.

The World Health Organisation has reviewed the background EMF levels from wireless systems and says,

"Recent surveys have shown that the RF exposures from base stations range from 0.002% to 2% of the levels of international exposure guidelines, depending on a variety of factors such as the proximity to the antenna and the surrounding environment. This is lower or comparable to RF exposures from radio or television broadcast transmitters"

Specifically on EMF levels in public areas the WHO says,

"Recent surveys have indicated that RF exposures from base stations and wireless technologies in publicly accessible areas (including schools and hospitals) are normally thousands of times below international standards."

What research has been done on radio communications and EMF safety?

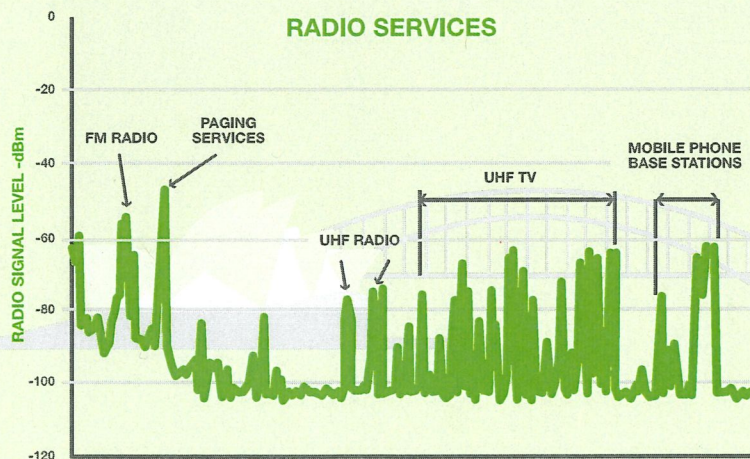
There has been a lot of research conducted worldwide to investigate possible health effects of radio communications and wireless technology.

In relation to radio frequency exposures and wireless technology and health, the general conclusion from the World Health Organisation (WHO) is

"Despite extensive research, to date there is no evidence to conclude that exposure to low level electromagnetic fields is harmful to human health"

The WHO also says,

"radio and television broadcast stations have been in operation for the past 50 or more years without any adverse health consequence being established".



Spectrum plot showing typical radio communications signals in a community

This picture is a plot from a spectrum analyser (specialised radio measurement equipment) showing the various radio communications signals measured in a typical community. The plot is taken at one location to illustrate typical radio communication signals present, and to make a comparison of signal level.

The type of radio service is indicated on the plot along the horizontal axis and signal level in dBm (level relative to 1 milli-watt) on the left hand axis. The units are not really important here except to show relative levels. The picture also shows how many radio services are used in a typical community.

COMPOUND ENCLOSED BY
SECURITY FENCE
(REFER TO NBN-STD-0012)

TIMBER EDGING
(REFER TO NBN-STD-0012)

3000 WIDE DOUBLE
VEHICULAR ACCESS GATES
(REFER TO SITE SPECIFIC
DRAWINGS FOR PLACEMENT)

LOCKING TUBES ENCASEMENT
(REFER TO NBN-STD-0012)

OUTDOOR CABINET SLAB
(REFER TO NBN-STD-0034)

DOOR CAN BE HINGED LEFT OR
RIGHT. REFER SITE SPECIFIC
DRAWINGS

METER BOX
(REFER TO NBN-STD-0022)

NBN LOCAL NETWORK PIT
(REFER TO NBN-STD-0026)

75mm THICK SINGLE SIZED GRAVEL
OVER WEED MAT. ON LEVEL SITES.
USE LOCAL GRAVEL AS APPROVED

PARKING AREA FOR
EMERGENCY GENERATOR

TEMPORARY
GENERATOR LOCATION
(3.5m x 2m APPROX.)

ACCESS HATCH

NBN LADDER AND
LAD-SAF
MONOPOLE WITH
HEADFRAME
(REFER TO
NBN-STD-0008)

OUTLINE OF MONOPOLE FOOTING
(INDICATIVE ONLY, PAD TYPE
SHOWN)

RRU (TYP.)

REFER TO SITE DRAWINGS
GUIDE: COMPOUND WIDTH = 8000

MONOPOLE

NBN
ODC
(FUTURE)

MONOPOLE

FOR GANTRY FIXING
(REFER TO NBN-STD-0031)

CABLE LADDER SUPPORT POST
ADJACENT TO MONOPOLE
(REFER TO NBN-STD-0014)

CABLE LADDER FIXING TO ODC
(REFER NBN-STD-0013 FOR DETAILS)

OPTIONAL PDB LOCATION
(REFER NOTE 9)

UNDERGROUND POWER FROM
POINT OF SUPPLY (REFER
SITE SPECIFIC DRAWINGS)

SITE PLAN

SCALE 1:50

NOTES:

1. THIS DRAWING AND STANDARD DRAWING NBN-STD-0003 SHOW VARIOUS GROUND SITE OPTIONS AVAILABLE FOR NBN MOBILE INSTALLATIONS. LAYOUTS SHOW NOMINAL SETOUT DIMENSIONS AND ARE INDICATIVE ONLY.
2. REFER TO DESIGN AND CONSTRUCTION MANUAL AND SITE DRAWINGS FOR FURTHER DETAILS.
3. MONOPOLE SHALL BE NOT LESS THAN 1500mm FROM THE SITE COMPOUND FENCE.
4. NO PART OF THE INSTALLATION, INCLUDING FOUNDATION AND HEADFRAME (INCLUDING ANTENNAS), SHALL EXTEND BEYOND LEASE AREA BOUNDARY.
5. PROPOSED ODC TO BE INSTALLED CLOSEST TO STRUCTURE.
6. REFER TO NBN-STD-0017 AND 0034 FOR ODC SUPPORT SLAB AND CONDUIT INSTALLATION.
7. REFER TO SITE SPECIFIC DRAWINGS FOR MONOPOLE FOUNDATION DETAILS.
8. FOR SHELTER SOLUTION, REFER TO SITE SPECIFIC LAYOUT DRAWING. SHELTER TO BE LOCATED FOR MOST EFFICIENT USE OF SPACE POSSIBLE.
9. SEPARATE PDB SHALL BE USED IN CONJUNCTION WITH NBN-STD-0017.

Client:



Client:



Client:

Project:

NATIONAL BROADBAND
NETWORK

STANDARD DRAWINGS

FOR CONSTRUCTION

Rev	Date	Revision Details
D	19.06.15	UPDATED DRAWINGS
C	05.08.14	UPDATED DRAWINGS
B	06.06.13	UPDATED DRAWINGS
A	25.01.12	FOR CONSTRUCTION

CAD: MH
CHECKED: MR
APPROVED: JI

Drawing Title:
**TYPICAL
GROUND LAYOUT
MONOPOLE**

Drawing No.
NBN-STD-0002

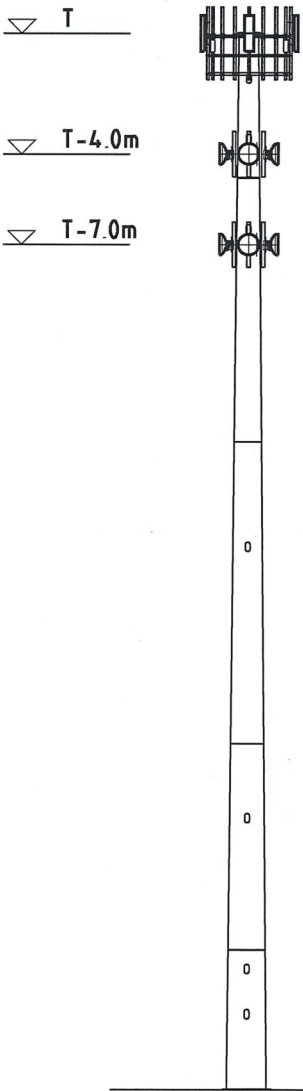
Revision
D

INGAL EPS - MONOPOLE									
STRUCTURE	CABLE WINDOW HEIGHTS (EL)								
20m TYPE 2 & 3	2.4m	7m	12.2m	15m	17m	18m	19.2m		
25m TYPE 2 & 3	2.4m	14m	17.2m	20m	22m	23m	24.2m		
30m TYPE 2 & 3	2.4m	8.9m	19.2m	22.6m	25m	27m	28m	29.2m	
35m TYPE 2	2.4m	13m	23.7m	27.2m	30m	32m	33m	34.2m	
35m TYPE 3	2.4m	8.6m	23.7m	27.2m	30m	32m	33m	34.2m	
40m TYPE 2 & 3	2.4m	8.4m	18.7m	29.3m	32.2m	35m	37m	38m	39.2m

LeBLANC - MONOPOLE								
STRUCTURE	CABLE WINDOW HEIGHTS (EL)							
20m	2.5m	9m	13.5m	16.5m	18.5m			
25m	2.5m	4m	9m	18.5m	21.5m	23.5m		
30m	2.5m	9m	18m	23.5m	26.5m	28.5m		
35m	2.5m	4m	9m	18m	28.5m	31.5m	33.5m	
40m	2.5m	9m	18m	27m	33.5m	36.5m	38.5m	

ROCLA - MONOPOLE						
STRUCTURE	CABLE WINDOW HEIGHTS (EL)					
20m	2.5m	10m	14.5m	18.5m*	19.35m	
25m	2.5m	15m	19.5m	23.5m*	24.35m	
30m	2.5m	20m	24.5m	28.5m*	29.35m	
35m	2.5m	25m	29.5m	33.5m*	34.35m	
40m	2.5m	30m	34.5m	38.5m*	39.35m	

*NEW NBN POLES ONLY



CL. PANELS (9-OFF)

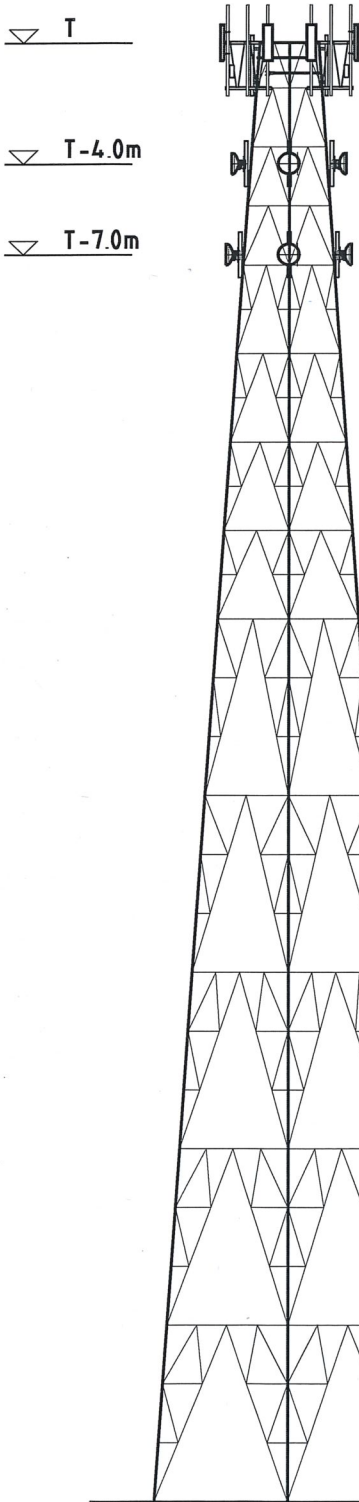
CL. PARABOLICS
5 x Ø0.6m

CL. PARABOLICS
5 x Ø0.6m

STANDARD MONOPOLE

- GENERAL:**
1. GENERIC LOADING CONDITIONS ARE EFFECTIVE FROM DECEMBER 2011.
 2. SITE DESIGNER SHALL SPECIFY ANTENNA & HEADFRAME LOADINGS.
 3. ANTENNA/HEADFRAME LOADINGS SHALL BE APPLIED AT THE HEIGHTS SHOWN ON THE ELEVATIONS.
 4. THE TOWER FOUNDATION SHALL BE DESIGNED FOR THE CAPACITY OF THE TOWER SELECTED FOR THE SITE.
BASED ON GEOTECHNICAL AND WIND PARAMETERS OF THE SPECIFIC SITE.
 5. SITE SPECIFIC LOADING WHERE REQUIRED AS ADVISED BY NBN.

TOWER SERVICEABILITY LIMIT STATE:
FOR THE TOWER STRUCTURE AND FOUNDATION, THE COMBINED VERTICAL ROTATION AT THE TOP OF THE TOWER SHALL NOT EXCEED 1° FOR BASIC SERVICEABILITY WIND SPEED OF 27 m/s. TOWER SUPPLIER TO CATER FOR SITUATIONS WHERE SITE SPECIFIC HALF BEAM WIDTH DEFLECTIONS MORE ONEROUS THAN 1° TIP ROTATION.

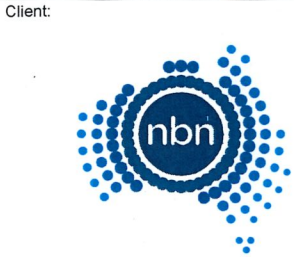


CL. PANELS (9-OFF)

CL. PARABOLICS
5 x Ø0.6m

CL. PARABOLICS
5 x Ø0.6m

STANDARD LATTICE TOWER



Client:

Project:

NATIONAL BROADBAND NETWORK

STANDARD DRAWINGS

FOR CONSTRUCTION

D	19.06.15	UPDATED DRAWINGS
C	05.08.14	UPDATED DRAWINGS
B	06.06.13	UPDATED DRAWINGS
A	25.01.12	FOR CONSTRUCTION
Rev	Date	Revision Details

CAD: MH

CHECKED: MR

APPROVED: JI

Drawing Title:

GENERIC MONOPOLE AND LATTICE TOWER LOADING CONDITIONS

Drawing No. NBN-STD-0004

Revision D

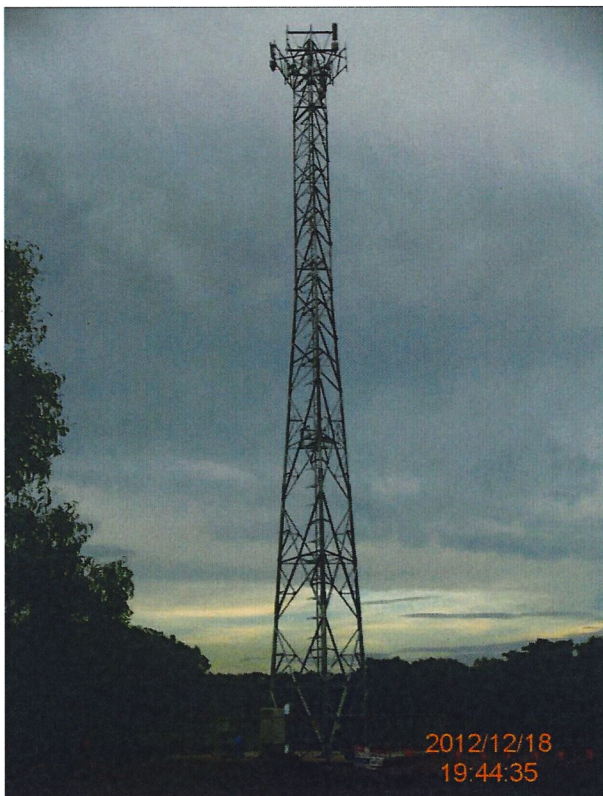
Examples of Fixed Wireless Structure Types



1



2



3

1. Example of painted steel monopole with antennas on a circular headframe.
2. Example of steel monopole with antennas on a circular headframe.
3. Example of steel lattice tower with antennas on attached headframe.





COMMUNICATIONS TOWERS, RADIO TRANSMITTERS AND SAFETY

Information for communities and their parliamentary representatives

Radio transmitters—Are they safe?

Some people may have concerns about possible health effects from exposure to electromagnetic energy (EME) coming from radiocommunications transmitters on towers and elsewhere. This factsheet outlines the steps the Australian Government takes to keep Australians safe.

Exposure to radiofrequency (RF) EME has been the subject of detailed research by experts. Exposure limits are set well below the level at which adverse health effects are known to occur and include a wide safety margin to protect the public.

What is EME?

RF EME is the energy in radio waves, and is used for wireless communication. It has been in use for over 100 years. It is used to send and receive signals between communications equipment such as broadcast towers, radios and televisions, mobile phone towers and phones, radar facilities, and electrical and electronic equipment. It is also part of our natural environment.

How is EME regulated?

Two Australian Government agencies, the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) and the Australian Communications and Media Authority (ACMA), are responsible for regulating RF EME exposure.

ARPANSA is an independent Australian Government agency charged with protecting Australians from exposure to EME. ARPANSA is responsible for advising what safe levels of EME exposure are. ARPANSA has developed a public health standard which sets limits for human exposure to RF EME. The limits are set well below the level at which adverse health effects are known to occur and include a wide safety margin to protect the public. The exposure standards take into account the many sources of RF EME present in the modern environment.

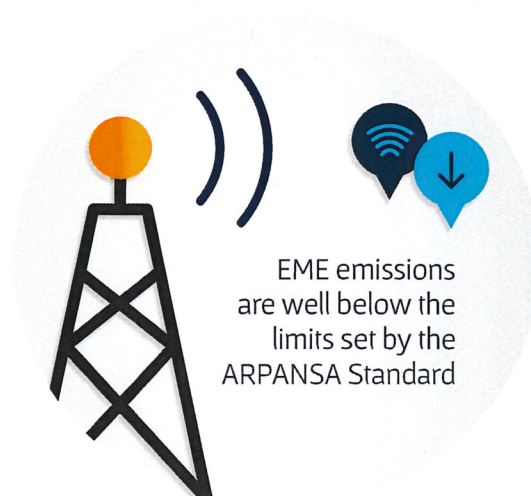
The ACMA licenses the operation of radiocommunications transmitters. Licences require transmitters to comply with the exposure limits set out in the ARPANSA standard.

How much EME comes from radio transmitters?

All transmitters must operate below ARPANSA's public exposure standard. Typically transmitters operate at a tiny percentage of the ARPANSA standard.

Is the scientific information on EME up to date?

ARPANSA maintains continual oversight of emerging research into the potential health effects of EME exposure in order to provide accurate and up-to-date advice to the Government. ARPANSA works with the World Health Organisation in researching the health effects of human exposure to EME. Should scientific evidence indicate that the current ARPANSA standard does not adequately protect the health of Australians, the Government would take immediate action to rectify the situation.



NBN wireless towers

Currently, as part of the rollout of the National Broadband Network (NBN), a number of new fixed wireless towers are being built across Australia. These are subject to the same strict EME safety limits set by ARPANSA. As such, exposure to EME should not be a concern.

People can, however, also be concerned about the appearance of towers and their visual impact in their communities. This can also be the case with other facilities, for example mobile phone base stations. Approvals for the installation of free standing telecommunications towers are subject to state, territory and local government planning laws. NBN Co is required to follow the processes for community and local government consultations set out in these laws. People with concerns about proposed NBN towers should raise their concerns during the consultation process for each tower.

Where can I find out more information?

Further information is available from the following expert bodies:

Australian Radiation Protection and Nuclear Safety Agency

www.arpansa.gov.au/Science/rf

Australian Communications and Media Authority

www.acma.gov.au/Citizen/Consumer-info/Rights-and-safeguards/EME-hub

World Health Organisation

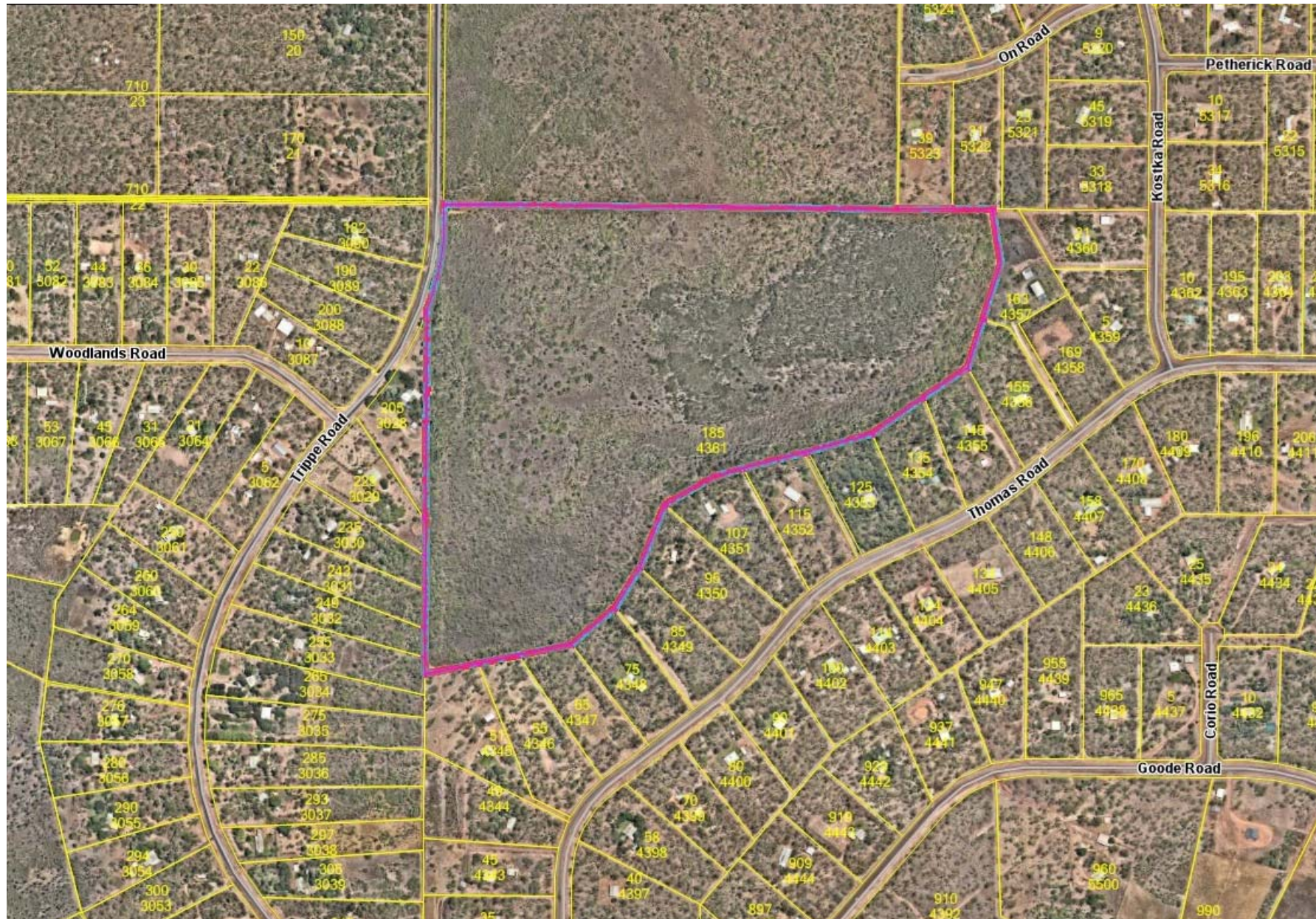
www.who.int/topics/electromagnetic_fields

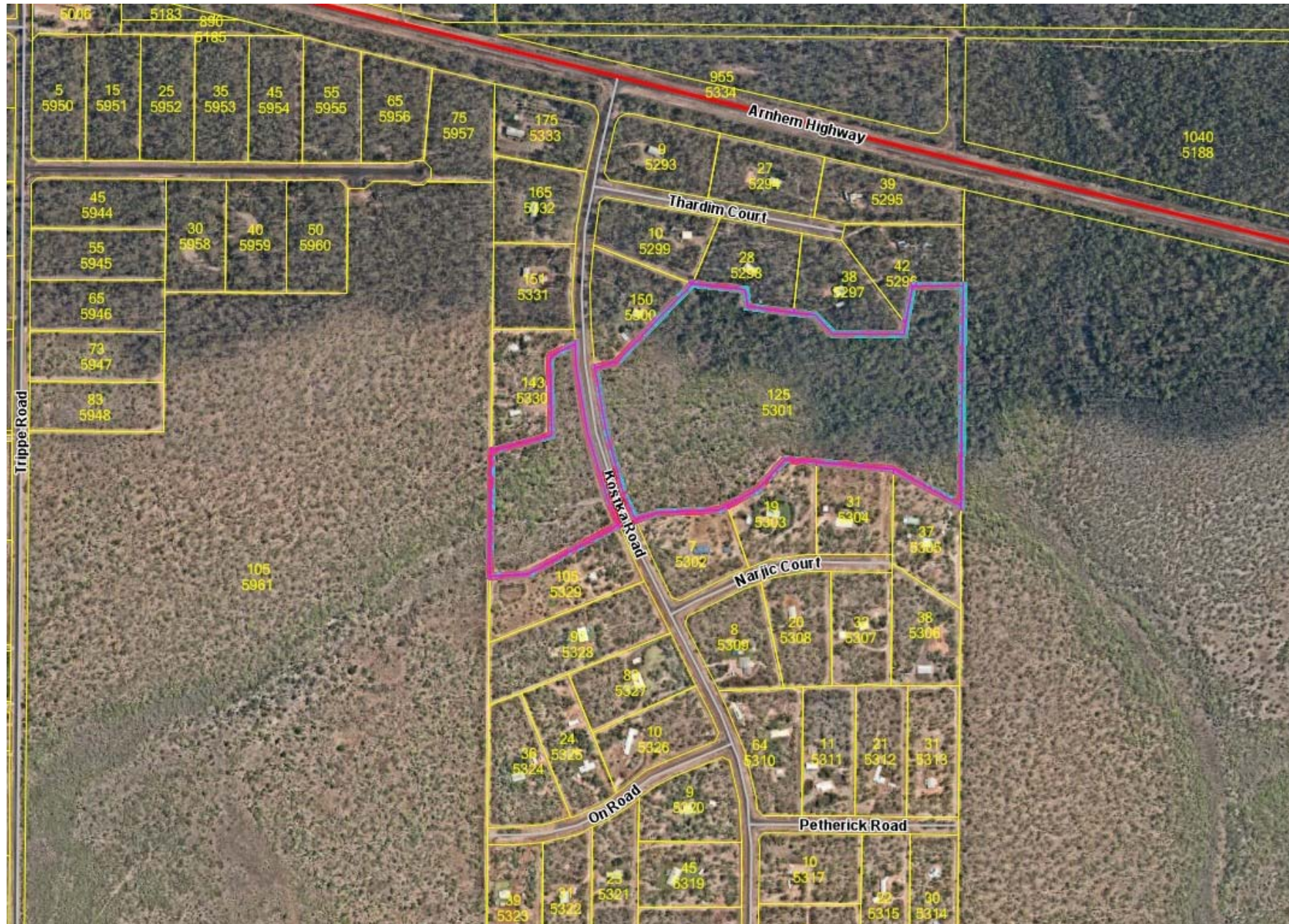
International Commission on Non-Ionising Radiation Protection (ICNIRP)

www.icnirp.org

You can also find out more about transmitters in your community, including EME reports and community consultation information, from the Radio Frequency National Site Archive www.rfnsa.com.au

185 Trippe Road







COUNCIL REPORT

Agenda Item Number:	15.5
Report Title:	December 2018 Summary Report Planning and Mining
Report Number:	18/0184
Meeting Date:	12/12/2018
Attachments:	Attachment A: Letter of Comment on PA2018/0474 Attachment B: Letter of Comment on PA2018/0476

Purpose

The purpose of this report is to provide to Council a summary of development and mining applications received, and comments provided, for the period of 10 November 2018 – 30 November 2018.

Summary

For the noted period, Council provided comments on 2 development applications, one of which was supported subject to normal Council conditions and one of which was supported subject to specific issues being adequately addressed.

For the noted period, Council provided no comments on mining applications.

All letters of comment are provided for information in the attachments to this report.

Recommendation

THAT Council:

1. receive the December 2018 Summary Planning and Mining Report; and
2. notes for information the responses provided to Development Assessment Services or Department of Primary Industries and Resources, as applicable, within Attachments A and B to this report.

Background and Discussion

DEVELOPMENT APPLICATIONS

The following is a summary of all Development Applications received and comments provided for the period of 10 November 2018 – 30 November 2018.

Council Outcome on Development Applications	No. Applications
Development applications supported, subject to normal Council conditions	1
Development applications supported, subject to specific issues being adequately addressed	1

Development applications not supported/objected to for reasons related to Council issues	0
Development applications objected to for reasons not directly related to Council issues	0

For all development applications, should the applications be approved by the consent authority, the applications may be subject to Council's normal Development Permit conditions in regard to areas of Council authority, including, but not necessarily limited to, access and stormwater drainage.

Development Applications supported, subject to normal Council conditions

The table below describes the Development Applications that are supported by Council.

Application Number, Address, and Attachment	Purpose and Summary
PA2018/0474 Section 2702 (260) Wheewall Road, Berry Springs, Hundred of Cavenagh, Section 5677 (5) Numbat Court, Berry Springs, Hundred of Strangways, and Section 5745 (51) Dunnart Court, Berry Springs, Hundred of Strangways Refer to Attachment A	Subdivision and consolidation to create three lots The application proposes boundary realignments to consolidate land in Zone CN (Conservation) into one single title rather than spreading across all three lots.

Development Applications supported, subject to specific issues being adequately addressed

The table below describes the Development Applications that are supported by Council only if the specific issues outlined are adequately addressed.

Application Number, Address, and Attachment	Purpose and Summary	Specific Issues to be Addressed
PA2018/0476 Section 6493 (425) Stuart Highway, Coolalinga, Hundred of Bagot Refer to Attachment B	Plant nursery This development proposal is located within the Coolalinga Central shopping precinct and is in Zone C (Commercial). The proposed use is discretionary within this zone and will be located in a standalone pad, in Stage 2 of the shopping precinct, next to the Hungry Jacks. The total area will be 1,045m ² and will consist of a single storey building with indoor and outdoor nursery	Council requests more information on the waste bin location, storage and disposal process of general waste and green waste. As the waste and loading area is proposed to be at the rear of the building and facing the main street, it is considered important that solid fencing be used in this location to screen the uses from public view and protect the streetscape. Additional information is required to ensure that stormwater is being appropriately managed around the outdoor nursery area.

	space. An application for the same use was previously advertised to Council under PA2018/0835 for a different location on the same lot (adjacent the Coolalinga Tavern). This application is in relation to the same nursery in a new location on the site; the nursery is not proceeding in the previously noted location.	
--	---	--

Development Applications not supported/objected to for reasons related to Council issues

No applications for this category were received during this period.

Development Applications objected to for reasons not directly related to Council issues

No applications for this category were received during this period.

MINING APPLICATIONS

No mining applications were received during this period.

Links with Strategic Plan

Priority # 2 – A great place to live

Legislative and Policy Implications

Not applicable to this report.

Risks

Not applicable to this report.

Financial Implications

Not applicable to this report.

Community Engagement

Not applicable to this report.

**Recommending
Officer:**

Nadine Nilon, Director Infrastructure and Operations

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



30 November 2018

Development Assessment Services
Department of Infrastructure, Planning and Logistics
GPO Box 1680
Darwin NT 0801

RE: Letter of Comment Development Application

PA2018/0474

**Section 2702 (260) Wheewall Road, Berry Springs, Hundred of Cavenagh,
Section 5677 (5) Numbat Court, Berry Springs, Hundred of Strangways, and
Section 5745 (51) Dunnart Court, Berry Springs, Hundred of Strangways
Subdivision and consolidation to create three lots**

Thank you for the Development Application referred to this office on 23/11/2018, concerning the above. This letter may be tabled at Litchfield Council's next Council Meeting. Should this letter be varied or not endorsed by Council, you will be advised accordingly.

The following issues are raised for consideration by the Authority:

Council supports the granting of a Development Permit for the following reasons:

- a) Council supports the minimum lot size requirements of the NT Planning Scheme. However, Council notes that in this instance, it appears that 51 Dunnart Court is already short of the minimum required 2 hectares of land in Zone RL (Rural Living). As this is an existing condition, and as the application as proposed would not change the amount of land in Zone RL (Rural Living) on that parcel, Council can support a variation to the minimum lot size for land in Zone RL (Rural Living).
- b) There are not expected to be any negative effects upon Council's road reserve or stormwater drainage as a result of this proposal.

Should the application be approved, the following condition(s) pursuant to the *Planning Act* and Council's responsibility under the *Local Government Act* are also recommended for inclusion in any Development Permit issued by the consent authority:

- a) Soil erosion control and dust control measures must be employed throughout the construction stage of the development to the satisfaction of the consent authority.
- b) All existing or proposed easements or reserves required for the purposes of stormwater drainage, roads, access or for any other purpose, shall be made available free of cost to, and in favour of, Litchfield Council and/or neighbouring property owners.

Should the application be approved, the following notes are recommended for inclusion in any Development Permit issued by the consent authority:

- a) Inspection fees and charges may apply in accordance with Litchfield Council's current Fees and Charges. Additional information can be found at www.litchfield.nt.gov.au.
- b) A *Works Permit* is required from Litchfield Council before commencement of any work within the road reserve, which would include creation of any driveway crossover connecting to Litchfield Council's road network.
- c) Notwithstanding any approved plans, signs within Litchfield Council's municipal boundaries are subject to approval under Clause 6.7 of the NT Planning Scheme.

If you require any further discussion in relation to this application, please contact **Litchfield Council's Planning and Development division** on 08 8983 0600 and you will be directed to the appropriate officer to address your query.

Yours faithfully

Nadine Nilon
Director Infrastructure and Operations



23 November 2018

Development Assessment Services
Department of Infrastructure, Planning and Logistics
GPO Box 1680
Darwin NT 0801

RE: Letter of Comment Development Application

PA2018/0476
Section 6493 (425) Stuart Highway, Coolalinga, Hundred of Bagot
Plant nursery

Thank you for the Development Application referred to this office on 16/11/2018, concerning the above. This letter may be tabled at Litchfield Council's next Council Meeting. Should this letter be varied or not endorsed by Council, you will be advised accordingly.

The following issues are raised for consideration by the Authority:

Council supports the granting of a Development Permit for the following reasons:

- a) The proposed use is discretionary in the subject zone and appears to meet the requirements of the NT Planning Scheme for that zone. If the use is managed appropriately, particularly in terms stormwater drainage, there are not expected to be negative effects upon the amenity of the surrounding area.

The noted support is only given provided the following issues are adequately addressed:

- a) Subject to stormwater drainage being managed appropriately, there are not expected to be any negative effects upon Council infrastructure. Council requires additional information on the proposed stormwater drainage methods for the site, particularly around the outdoor nursery area where it would be expected that plants would be regularly watered.
- b) Council supports the requirements of the NT Planning Scheme and provides support for this proposal upon the applicant's presentation of surplus car parking existing on the subject site. Should Development Assessment Services determine there is a shortfall of required car parking spaces, Council would not support the application.
- c) The waste bin and loading area is proposed facing the main street with a very narrow verge with only tubular metal fencing. It is considered prudent to include solid fencing in this location to screen the utility uses from public view and the streetscape.
- d) It is unclear if the waste bin area proposed to the rear of the building would be expected to cater for green waste from plants and nursery uses. Clarification of how

green waste will be collected and stored on site, and ultimately disposed of, shall be included in the OEMP for the site.

Should the application be approved, the Council requests the following condition(s) be included as Condition(s) Precedent in any Development Permit issued by the consent authority:

- a) Prior to the endorsement of plans and prior to the commencement of works, a schematic plan demonstrating the on-site collection of stormwater and its discharge into Litchfield Council's stormwater drainage system shall be submitted to and approved by Litchfield Council. The plan shall include details of site levels and Council's stormwater drainage connection point(s).
 - i. The plan shall demonstrate how all stormwater is to be collected on the site and discharged underground to Litchfield Council's stormwater drainage system.
 - ii. It is necessary to ensure that no stormwater will sheet-flow into the road reserve or onto adjoining properties.
 - iii. The plan shall demonstrate that the drainage system is designed to cater for both initial storm events (Q5) and major storm events (Q100).
 - iv. The applicant's plans shall demonstrate that no contaminated water shall enter any waterway or Litchfield Council's drainage system.
- b) Litchfield Council requests an Operational Environmental Management Plan (OEMP) from the management and operation of the use be prepared to the requirements of an independently suitably qualified professional to the satisfaction of the Director Infrastructure and Operations, Litchfield Council. The use must at all times be conducted in accordance with the plan. The OEMP must address:
 - i. Day to day waste management requirements for the use, including designated areas for waste storage on site.

Should the application be approved, the following condition(s) pursuant to the *Planning Act* and Council's responsibility under the *Local Government Act* are also recommended for inclusion in any Development Permit issued by the consent authority:

- a) The kerb crossovers and/or driveways to the site are to meet the technical standards of Litchfield Council. The owner shall remove disused crossovers; provide footpaths/cycleways, as required by Litchfield Council; collect stormwater and discharge it to the drainage network; and undertake reinstatement works; all to the technical requirements and satisfaction of the Director Infrastructure and Operations, Litchfield Council, and at no cost to Litchfield Council.
- b) Soil erosion control and dust control measures must be employed throughout the construction stage of the development to the satisfaction of the consent authority.
- c) Any developments on or adjacent to any easements on site in favour of Council shall be carried out to the requirements and satisfaction of the Director Infrastructure and Operations, Litchfield Council.

Should the application be approved, the following notes are recommended for inclusion in any Development Permit issued by the consent authority:

- a) Inspection fees and charges may apply in accordance with Litchfield Council's current Fees and Charges. Additional information can be found at www.litchfield.gov.nt.au.

- b) *A Works within a Road Reserve Permit – Works Associated with a Development Permit* is required from Litchfield Council before commencement of any work within the road reserve, which would include creation of any driveway crossover connecting to Litchfield Council's road network.
- c) Notwithstanding any approved plans, signs within Litchfield Council's municipal boundaries are subject to approval under Clause 6.7 of the NT Planning Scheme.

If you require any further discussion in relation to this application, please contact **Litchfield Council's Planning and Development division** on 08 8983 0600 and you will be directed to the appropriate officer to address your query.

Yours faithfully



Nadine Nilon
Director Infrastructure and Operations



COUNCIL REPORT

Agenda Item Number:	15.6
Report Title:	NT Australia Day Council 2019 Annual Event
Report Number:	18/0185
Meeting Date:	12/12/2018
Attachments:	Nil

Purpose

To inform Council of the Northern Territory Australia Day Council 2019 Annual Event – *An Evening with Anna Meares* and to seek Council support for the Mayor and Deputy Mayor to attend and gauge further Elected Member interest.

Summary

The Australia Day Council of the NT is a not for profit organisation dedicated to assisting communities across the NT ensure the spirit of Australia Day is enjoyed by all Territorians.

Each year in January, the NT Australia Day Council holds its annual fundraising event. As with every other year, Council is invited to attend at a cost of \$250 per person. Over the years the number of Elected Members attending has ranged from all members (in 2016) and the CEO, to the Mayor, Deputy Mayor attending in 2017 and the Mayor and Deputy Mayor in 2018. The cost of Council members attending is covered by Council.

This report recommends that the Mayor and Deputy Mayor attend at a Council cost of \$500 and seeks broader interest from other Elected Members.

Recommendation

THAT Council

1. approves the purchase of two tickets for the Mayor and Deputy Mayor to attend the Australia Day Council 2019 Annual Event – *An Evening with Anna Meares*;
2. approves the purchase of (number) tickets for Crs (name) to attend; and
3. receives a report on the event at its February 2019 meeting as part of the Mayor's Monthly Report.

Background

The Australia Day Council NT Inc. was established in 1986 as a community based, not for profit organisation. While closely aligned to the Northern Territory Government and National Australia Day Council as well as other Australia Day councils in other states and Territories, it operates as an independent body responsible for our own management, events and activities, finance and governance

The NT Australia Day Council's key fundraising activity is an annual event held each year in January. The 2018 Australia Day *Evening with Samuel Johnson* will be held on Saturday 26 January 2019 at the Darwin Convention Centre. The Mayor, Councillors and CEO have all been invited to attend at a cost \$250. Partners are also invited however partners' attendance would not be funded by Council.

Funds raised from the annual event and other fundraising activities support a range of community programs including Student Citizen Awards, Fun Runs and local government Australia Day events. Council is provided with a grant of \$1,000 each year to assist with our own Australia Day event.

In January 2018 Council approve the purchase of two tickets for the Mayor and Deputy Mayor to attend the 2018 Australia Day Annual Event – An Evening with Samuel Johnson.

Links with Strategic Plan

Priority # 2 – A great place to live

Legislative and Policy Implications

Nil.

Risks

Nil.

Financial Implications

The cost to attend is \$250 per person. The total cost to support the purchase of four tickets would be \$1,000.

The cost to support the Mayor and Deputy Mayor attend would be \$500 (two tickets).

Council's 2018/19 Budget *Civic Function – Other Activities* budget has an allocation which could be used to cover the cost of Elected Members attending the function.

Community Engagement

Nil.

Recommending Officer: Kaylene Conrick, Chief Executive Officer

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



COUNCIL REPORT

Agenda Item Number:	15.7
Report Title:	Appointment of Committee Member to the Howard Park Reserve Committee
Report Number:	18/0188
Meeting Date:	12/12/2018
Attachments:	Nil

Purpose

This report presents a nomination for the Howard Park Reserve Committee for Council's consideration.

Summary

Council established the Howard Park Reserve Committee (under Council's control) in 2015 and appointed community members to the Committee.

Recently Council has advertised for positions again following expressed interest from community members in having a say in activating the Reserve.

One nomination has been received by a local Howard Springs resident, Gerard Rosse, and is presented in this report for Council consideration.

Recommendation

THAT Council:

1. appoints Gerard Rosse to the Howard Park Reserve Committee for a term of three years, commencing 12 December 2018; and
2. writes to Mr Rosse to inform him of Council's decision.

Background

On 14 December 2015 Council resolved to establish the Howard Park Reserve Committee as a Council Committee. Terms of Reference were further updated, and new members appointed in November 2017.

The role of the committee is to:

- To provide advice and make recommendations to Council on the future direction and development of Howard Park.
- To oversee the operational management of the Reserve.
- To inform and involve all key stakeholders to promote partnerships addressing community need.

- To comply with all relevant Council policies relating to the care, protection and management of Howard Park.
- To promote effective co-operation and communication with all user groups.
- To prioritise and submit recommendations for Council's consideration as part of its annual capital works program and grant opportunities.

As per the Terms of Reference for the Committee:

- The Committee has no delegated authority and cannot incur expenditure or bind Council.
- The Committee may make recommendations to the Council. Recommendations of the Committee will be presented to the Council in written form accompanied by a report from the Secretary.
- Committee recommendations determined as 'operational', will be dealt with and actioned by the Director Community and Corporate Services with any action or lack thereof, reported to the Committee on a regular basis.

In accordance with the Terms of Reference, all Committee members are required to be formally appointed by Council for a term of three years. Currently there are five members, plus Council's Community Development Officer, and Cr Salter as the Chair. All members have two years of their appointed term remaining.

According to the Terms of Reference, the committee shall comprise of a minimum of seven members, with at least four and up to six community members. Currently there are four community members on the committee, leaving room for additional appointments.

Mr Rosse contacted Council as an active and interested member of the local Howard Springs Community and enquired about joining the committee. In case there were other interested community members, Council advertised for expressions of interest to the public through noticeboards, on social media, and Council's website, however Council did not receive any further nominations.

Mr Rosse is a nearby resident and user of Howard Park Recreation Reserve, as well as a qualified urban designer and town planner. Mr Rosse also has professional experience in managing recreation reserves, open spaces and community facilities.

Links with Strategic Plan

Priority # 2 – A great place to live

Legislative and Policy Implications

The Committee is guided by the Terms of Reference for the Howard Park Reserve Committee.

Risks

Nil

Financial Implications

Nil

Community Engagement

An EOI for the vacancy on the Howard Park Reserve Committee was advertised through Council's website, Facebook and through displays at the Reserve and within the local area.

Recommending Officer: **Silke Maynard, Director Community and Corporate Services**

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.



COUNCIL REPORT

Agenda Item Number:	15.8
Report Title:	Playground Audits at Council's Recreation Reserves
Report Number:	18/0189
Meeting Date:	12/12/2018
Attachments:	Attachment A - Summary of Playground Audit Results with Actions

Purpose

This report provides Council with the results from the recently conducted playground audits at five Council Recreation Reserves.

Summary

Between September and October 2018, Council engaged NT Shade to conduct operational playground audits at five Council Recreation Reserves which have playground structures; Humpty Doo Village Green, Livingstone Reserve, Freds Pass Sport and Recreation Reserve, Berry Springs Reserve and Howard Park Reserve.

Following the receipt of the playground audits, each Reserve Management Committee has been notified of the works required, along with the timeline to complete works, based on the priority of works. Works required at Howard Park Reserve, managed by Council directly, will be undertaken as part of the playground upgrade funded by a Special Purpose Grant (SPG) received recently from the Department of Housing and Community Development, Local Government Division.

Besides minor works and general maintenance requirements on the other recreational reserves, significant works are required at the Humpty Doo Village Green to bring three free standing pieces of playground equipment in line with the Australian Standard.

Recommendation

THAT Council:

1. receives and notes the playground audit results for Humpty Doo Village Green, Livingstone Reserve, Freds Pass Sport and Recreation Reserve, Berry Springs Reserve and Howard Park Reserve and the required actions to ensure public safety;
2. notes that the Chief Executive Office is undertaking urgent works required at the Humpty Doo Village Green to ensure public safety; and
3. receives a further report at a future meeting on the outcome of the urgent works including total cost.

Background

In line with Council's responsibility to provide safe and suitable playground equipment, Council allocated funds in the 2018/19 budget to undertake playground audits, which had not previously occurred.

Four out of the five audited playgrounds are managed by external associations, however all the assets on these reserves are Council assets and therefore the ultimate responsibility of Council. Council has the responsibility to ensure that play spaces are safe and fit for purpose. Council holds the public liability insurance for all the recreation reserves.

Following onsite inspections carried out by NT Shade, Council was provided with detailed reports outlining required works, along with the priority of the works according to a risk assessment. The below table summarises the number of issues identified, priorities and timelines of actions to be taken.

Reserve	Location	Priority	Number of actions	Timeline
Freds Pass Sport and Recreation Reserve	Freds Pass	Medium	1	February 2019
		Low	3	June 2019
Livingstone Recreation Reserve	Livingstone	High	1	Completed
		Medium	2	February 2019
		Low	8	June 2019
Howard Park Recreation Reserve	Howard Springs	Medium	1	February 2019
		Low	9	June 2019
Berry Springs Recreation Reserve	Berry Springs	Medium	1	February 2019
		Low	6	June 2019
Humpty Doo Village Green	Humpty Doo	High	2	December 2018
		Medium	2	February 2019
		Low	7	June 2019

Council is working closely with the Reserve Management Committees to resolve the issues identified through the playground audits. General maintenance and cleaning actions identified will be covered through the operational and maintenance funding that Council provides to the Reserve Committees.

The playground audit at the Humpty Doo Village Green has identified the need for significant upgrades to three free-standing pieces of playground equipment. These free-standing slides are located on lawn without any soft fall. Soft fall is required to meet Australian standards for playgrounds. The playground auditor has advised Council on the most appropriate Soft fall and Council is currently awaiting quotation.

At the same time the playground auditor has raised the concern that the equipment at Humpty Doo is likely to be over twenty years old and will only be operational for another three to four years. Council will work with the Reserve Committee to plan for replacement of the equipment over the coming years.

Due to the imminent risk for Council with the equipment not being in accordance with Australian Standards, restricted access to the equipment has been introduced at Humpty Doo Village Green, until contractors are available to undertake required works.

Links with Strategic Plan

Priority # 2 – A great place to live

Legislative and Policy Implications

Australian Standards apply to all playground equipment. Council has the responsibility of managing risks associated with play spaces on Council land through design, planning and maintenance.

Risks

If equipment is not in line with Australian Playground Standards, Council will not be covered under Council's insurance with Council holding the full risk for public safety and injuries to third parties.

Financial Implications

General maintenance and cleaning issues identified through the playground audits are funded through Council's operational and maintenance funding paid to the Reserve Committees.

However, the Humpty Doo Village Green Reserve Committee has not got sufficient reserves to fund the installation of additional Soft fall.

Given the risk to public safety with the current situation, it is not appropriate to wait for the opportunity to source external funding. Council will therefore carry the cost for the urgent safety works. There is currently no budget allocation for these works in the 2018/19 Budget however once the works are completed and the total cost understood, a report will be presented to Council on how the expenses will be managed.

Community Engagement

In terms of managing the current risk at Humpty Doo, the Community has been informed about restrictions of access to playgrounds, through signage at the reserve, local community noticeboards and Council's Facebook.

**Recommending
Officer:**

Silke Maynard, Director Community and Corporate Services

Any queries on this report may be directed to the Recommending Officer on telephone (08) 8983 0600.

Any member of Council who may have a conflict of interest, or a possible conflict of interest in regard to any item of business to be discussed at a Council meeting or a Committee meeting should declare that conflict of interest to enable Council to manage the conflict and resolve it in accordance with its obligations under the Local Government Act and its policies regarding the same.

Attachment A: Summary of Playground Audit Results with Actions

Reserve/Location	Fault	Action	Priority	Timeline
Freds Pass Sport and Recreation Reserve	Possible trip points where rubber does not meet edge	re ramp rubber to align with concrete path	Medium	February 2019
	Missing cap and hole in post	Plug hole and replace cap	Low	June 2019
	Depth of sand is 280mm	Top up sand to 300mm	Low	June 2019
	Playground covered in sand and dust	Conduct weekly clean	Low	Immediately
Livingstone Recreation Reserve	Playground edging exposing nails	Remove	High	Completed
	Sand levels at 150mm	Top up to 300mm	Medium	February 2019
	Rotten wooden edging, some borders not enclosed	Replace with concrete	Low	June 2019
	Fall zone too small	Move border 200mm further when replacing borders	Medium	February 2019
	Missing bolt of flying fox	Replace	Low	June 2019
	Cap missing on swing	Replace	Low	June 2019
	Chains and S hooks have finger entrapments	Cover chains with tubing	Low	June 2019
	No bearings on flying fox	Replace bearings and stoppers	Low	June 2019
	Platforms delaminating	remove and re-powder coat	Low	June 2019
	Seat clearance is 300mm	raise seat to be 350mm	Low	June 2019
	Leaf litter and mouldy spots	Conduct weekly clean	Low	Commencing immediately
Howard Park Recreation Reserve	Missing bolt on cross beam	Install new bolt	Low	June 2019
	Exposed and worn fibreglass on slide	Replace Slide	Medium	February 2019
	Loose bolt on fireman's pole	Replace	Low	June 2019
	Wear on hooks and shackles	Replace	Low	June 2019
	Missing bolts on slide	Replace	Low	June 2019

Reserve/Location	Fault	Action	Priority	Timeline
	Chains have finger entrapments	Plug holes	Low	June 2019
	Missing top caps	Replace all 35	Low	June 2019
	Sand 270mm	Top up to 300mm	Low	June 2019
	Worn paint	Repaint	Low	June 2019
	Weeds on sand	Regular inspections and maintenance	Low	Commencing immediately
Berry Springs Recreation Reserve	Corrosion and rust underneath where slide connects to platform	Monitor	Medium	Commencing immediately
	Missing bolts in deck and climbing panel	Replace	Low	June 2019
	Water in bottom of slide	Drill small hole in bottom of slide for draining	Low	June 2019
	Paint peeling	Re-Paint	Low	June 2019
	Corrosion and rust	Monitor	Low	Commencing immediately
	Clear panel filled with sand	Clean out	Low	June 2019
	Weeds in sand	Remove	Low	June 2019
Humpty Doo Village Green	Three playground equipment with no soft fall	Either remove equipment, close playground or install softfall	High	December 2018
	Low levels of sand	Top up to 300mm	High	December 2018
	Trolley handle worn through	Replace	Medium	February 2019
	Rotten wood under slide	Replace	Medium	February 2019
	Water inside red ball	drill small hole for drainage	Low	June 2019
	Holes in fencing on half pipe	Repair	Low	June 2019
	Open S hooks	Close S hooks	Low	June 2019
	Trees close to equipment	Trim to have 2m clearance	Low	June 2019
	Tree roots near equipment	Regular inspections and maintenance	Low	Commence immediately
	Rust on all equipment and chains	Regular inspections and maintenance	Low	Commence immediately
	Leaf litter, rubbish, ants, clean equipment	Regular inspections and maintenance	Low	Commence immediately



LITCHFIELD COUNCIL MEETING

Wednesday, 12 December 2018

16 Common Seal

17 Other Business

18 Public Questions

19 Confidential Items

Pursuant to Section 65 (2) of the Local Government Act and Regulation 8 of the Local Government (Administration) regulations the meeting be closed to the public to consider the following Confidential Items:

19.1 Litchfield Women in Business Network – Appointment of Community members to Committee

Regulation 8(a) – information about the employment of a particular individual as a member of the staff or possible member of the staff of the council that could, if publicly disclosed, cause prejudice to the individual.

19.2 Rating Policy Review – Appointment of Community Members to Community Reference Group

Regulation 8(a) – information about the employment of a particular individual as a member of the staff or possible member of the staff of the council that could, if publicly disclosed, cause prejudice to the individual.

19.3 Business Case Community and Business Hub

Regulation 8(c) – (c) information that would, if publicly disclosed, be likely to:
(i) cause commercial prejudice to, or confer an unfair commercial advantage on, any person.

20 Close of Meeting