



COMMUNITIES COMMITTEE MEETING

AGENDA

21 MARCH 2023

Your attendance is required at a Communities Committee meeting of Council to be held in the Council Chambers, 232 Bolsover Street, Rockhampton on 21 March 2023 commencing at 9:00am for transaction of the enclosed business.

A handwritten signature in black ink, appearing to be "C. P.", is positioned above the printed name of the Chief Executive Officer.

CHIEF EXECUTIVE OFFICER
15 March 2023

Next Meeting Date: 18.04.23

Please note:

In accordance with the *Local Government Regulation 2012*, please be advised that all discussion held during the meeting is recorded for the purpose of verifying the minutes. This will include any discussion involving a Councillor, staff member or a member of the public.

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1 OPENING

1.1 Acknowledgement of Country

2 PRESENT

Members Present:

The Mayor, Councillor A P Williams (Chairperson)
Councillor S Latcham
Councillor C E Smith
Councillor C R Rutherford
Councillor M D Wickerson
Councillor D Kirkland

In Attendance:

Mr E Pardon – Chief Executive Officer
Mr D Scott – Acting General Manager Community Services (Executive Officer)

3 APOLOGIES AND LEAVE OF ABSENCE

Councillor Grant Mathers - Leave of Absence from 17 March 2023 to 27 March 2023
Deputy Mayor Councillor Neil Fisher – Attending Airport Portfolio meetings in
Brisbane - 21 March 2023

4 CONFIRMATION OF MINUTES

Minutes of the Communities Committee held 21 February 2023

5 DECLARATIONS OF INTEREST IN MATTERS ON THE AGENDA

6 BUSINESS OUTSTANDING

Nil

7 PUBLIC FORUMS/DEPUTATIONS

Nil

8 PRESENTATION OF PETITIONS

Nil

9 COUNCILLOR/DELEGATE REPORTS

Nil

10 OFFICERS' REPORTS

10.1 FUTURE BURIAL OPTIONS - CEMETERIES

File No:	5775
Attachments:	Nil
Authorising Officer:	Doug Scott - Acting General Manager Community Services
Author:	Emma-Jane Dwyer - Manager Community Assets and Facilities

SUMMARY

Council's Operational Plan for 2022/23 includes an Action to "Investigate options for burials to continue at Rockhampton Memorials Gardens Cemetery" by developing a feasible forward plan for burials for the Rockhampton Community. This report details a plan for future options for burials within Rockhampton.

OFFICER'S RECOMMENDATION

THAT Council authorises the Chief Executive Officer (Manager Community Assets and Facilities) to proceed with future options for burials within Rockhampton as detailed below:

1. North Rockhampton Cemetery: Update and implement Traffic Management Plan to allow several roads to be closed which will allow space for approximately 200 additional grave sites;
2. South Rockhampton Cemetery: Undertake a heritage study to develop a new burial plan for consideration;
3. Rockhampton Memorial Gardens: Undertake a detailed drainage design which will allow additional area for direct burials over the northern and eastern areas of the site.

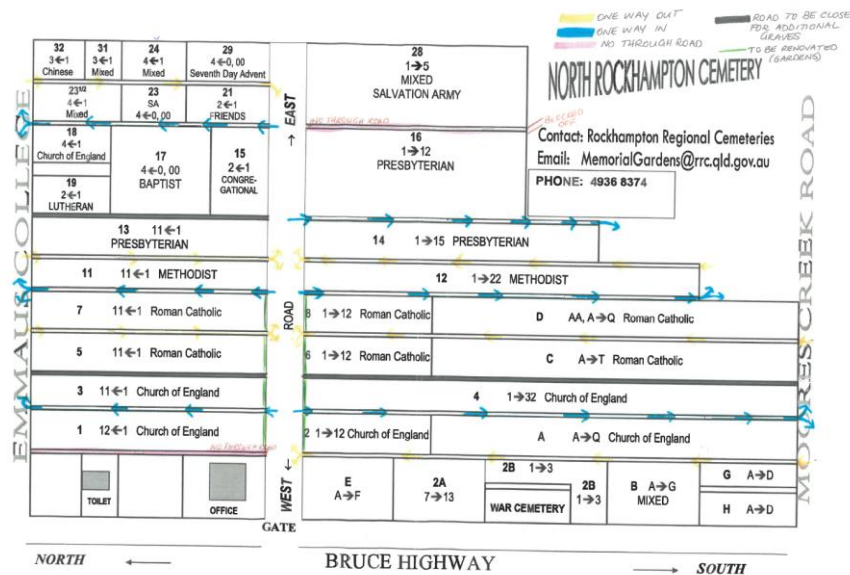
BACKGROUND

An action in Council's Operational Plan for 2022/23 is to investigate options for burials to continue at Rockhampton Memorial Gardens. As part of this investigation, all existing cemeteries within Rockhampton have been investigated to produce a plan for future burials within Rockhampton. The preferred option for each Cemetery is detailed below.

North Rockhampton Cemetery

The North Rockhampton Cemetery, established in 1879, has a forecast 12–18 months of new burials before it reaches full capacity.

Several roads have been identified that can be closed with an updated Traffic Management Plan (TMP) restricting traffic to one direction. This option will allow space for approximately 200 additional grave sites as detailed in the figure below.



The estimated budget required for updated and implementing the TMP is \$20,000.

South Rockhampton Cemetery

The South Rockhampton Cemetery, established in 1860, is a State heritage listed place (QHR: 601131). An item identified by the Conservation Management Plan (CMP) is the opportunity to re-open the cemetery as there are several areas which are suspected to hold potential for new burials, in particular the southern portion of Lot 1, RP604898 as shown in the figure below.



The option to consider new burials provides substantial benefits for the conservation of the cemetery.

A heritage study will be completed which utilises qualified heritage professionals and will include historical research of cemetery records, a physical inspection by archaeologists and the utilisation of Ground Penetrating Radar (GPR) and GIS mapping to develop a new burial plan for consideration.

The estimated budget required for this study is \$60,000 and if reopened is forecast to provide 4-5 years of new burial sites.

Memorial Gardens, North Rockhampton

Rockhampton Memorial Gardens is currently at full capacity for new burials. Several constraints for future burials have been identified at the site including ground water levels, flood impacts and fill material. To mitigate the flood constraint to allow for future burials, a water flow study has been performed at the site with the following preferred outcomes:

Southern Area Filling →

There are ground water constraints in this southern area restricting any future burials however, this option allows the area to be filled with Crypts. This option will provide approximately 20 years of Crypt burials

This option has minimal effects on the flood impacts.



Northern and Eastern Open Drain Channels

This outcome will remove external catchment flooding and allow additional area for direct burials over the northern and eastern areas of the site. This option will provide approximately 60 years of direct burials.



The estimated budget required to complete the necessary detailed design works for this proposal is \$550,000.

It is recommended that the detailed design works be completed to a stage where they are execution ready for Memorial Gardens in the event that additional space is required sooner than forecast. The detailed design will ensure the drain avoids any existing ashes plots.

PREVIOUS DECISIONS

Nil

BUDGET IMPLICATIONS

An additional budget allocation of \$630,000 is required in the 2023-24 Capital program to implement the changes required at the North Rockhampton Cemetery and plan the works at the South Rockhampton Cemetery and Memorial Gardens Cemetery respectively.

LEGISLATIVE CONTEXT

Nil

LEGAL IMPLICATIONS

Nil foreseen.

STAFFING IMPLICATIONS

There are adequate resources within Community Assets and Facilities.

RISK ASSESSMENT

Council manages all works in accordance with the relevant Service Agreement. Delivery partners develop a detailed risk assessment for each works project and must comply with all relevant workplace health and safety laws, standards, codes of practice, Council policies and procedures

CORPORATE/OPERATIONAL PLAN

3.1.2.1 Investigate options for burials to continue at Rockhampton Memorial Gardens Cemetery

CONCLUSION

It is recommended that Council proceed with the option detailed in this report.

10.2 CASCADE GARDENS PARK PLANNING

File No:	15228
Attachments:	1. Current Play Space Network ↓ 2. Site Map ↓ 3. Community Engagement Plan ↓
Authorising Officer:	Steven Ellis - Coordinator Community Master Planning Doug Scott - Manager Planning and Regulatory Services
Author:	Jacinta Daniels - Community Master Planner

SUMMARY

This report details the planning of a new local park in the vicinity of Cascade Gardens in Norman Gardens.

OFFICER'S RECOMMENDATION

THAT Council:

1. Endorse the park planning for a new local park in the vicinity of Cascade Gardens in Norman Gardens;
2. Endorse commencement of community engagement to enable the delivery of the new play space; and
3. Give consideration to an additional \$100,000 in 23/24 capital budget formulation for this new play space.

COMMENTARY

Analysis of play spaces within the region demonstrates that the northern area of Norman Gardens is currently underserved in play space provision and has been recognised as a priority for development.

The planning of this park has been progressed in the context of Council's open space network, aligning with park classification and embellishment standards. It also takes into consideration a petition requesting a play space for the area (specifically a swing, slide and a basketball court).

The proposed location of the play space is identified in the site map attached. Comparable to local parks within the current network, it is proposed that the play space will encompass the following embellishments and components (subject to community engagement outcomes):

- Sandpit with various activity components
- Shade sail
- Active sports play space
- Shaded picnic tables/bench seating
- Water bubbler
- Trees and landscaping

As mentioned above, the final park design will be guided by outcomes of the community engagement. It is proposed that community engagement will be targeted at residents within the local area, seeking confirmation of the proposed location and providing an opportunity to suggest potential play space embellishments and components.

It is anticipated that this project could be delivered in the 2023/24 financial year, pending capital budget allocation.

BUDGET IMPLICATIONSCapital

A forward estimate of \$150,000 is captured in the 2023/24 financial year capital budget. The total project cost is estimated at \$250,000, meaning the additional \$100,000 would have to be sought during the 2023/24 capital budget formation.

Operational

The annual operational cost of the play space is estimated at \$26,000, which includes a 4–6 week inspection cycle and the subsequent servicing, maintenance, employee and machinery costs. This figure does not include any costs relating to vandalism or unforeseen equipment replacement.

CONCLUSION

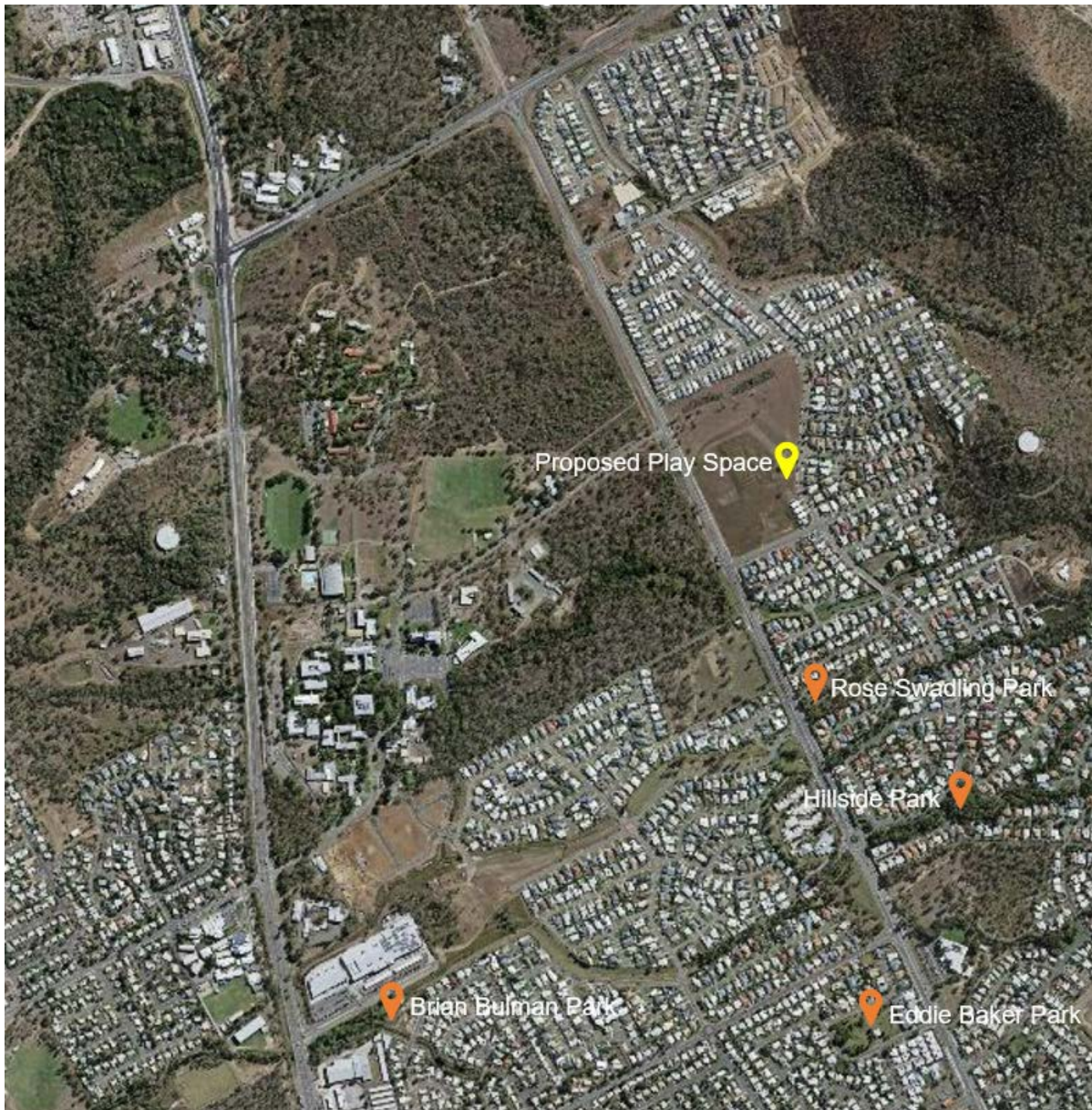
It is recommended that Council endorse the park planning and community engagement plan to enable the delivery of a new play space for this area of Norman Gardens.

CASCADE GARDENS PARK PLANNING

Current Play Space Network

Meeting Date: 21 March 2023

Attachment No: 1



CASCADE GARDENS PARK PLANNING

Site Map

Meeting Date: 21 March 2023

Attachment No: 2



CASCADE GARDENS PARK PLANNING

Community Engagement Plan

Meeting Date: 21 March 2023

Attachment No: 3

Community Engagement Plan

CASCADE GARDENS PARK PLANNING



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1. Trigger for Community Engagement

Rockhampton Regional Council is investigating opportunities for a new park with a structured play space to be delivered in Norman Gardens.

2. Reason for Engagement

Our public parks, play spaces, recreation facilities and active transport networks are the essential fabric of our cities and towns. This infrastructure is critical to the liveability of our region and enables our communities to engage in activity that supports leisure and improves physical, social and mental health.

Engaging with residents is essential to ensuring the play space is developed in a way that meets the needs and expectations of the local community and the consideration of specific community concerns.

3. Background

Cascade Gardens is a three stage, 30 lot residential development site bordered by Norman Road, Springfield Drive and Nagle Drive in Norman Gardens.

The proposed lot sizes of the Cascade Gardens development are an average of 417m² with limited backyard space, much like the properties in the adjoining estate, thus increasing the importance and need of a play space within the area.

Accessibility to open space and play opportunities is crucial in the learning, development, social and physical growth of children. It is reported that children achieve 40% of their activity in free time (away from school, day care and sport), therefore it is vital that Council provides open space which allows structured and unstructured play – particularly in areas with limited space to do this within the home environment.

Preliminary analysis of existing play spaces within the Region has demonstrated that this area of Norman Gardens is underserved in play space provision and has been recognised as a priority for development. This has also been voiced by nearby residents in Norman Gardens who submitted a petition requesting a play space for young children.

4. Objectives / Goals

- To undertake targeted consultation with residents in the local area.
- Assist in identifying and managing project risks.
- To communicate the reasons for and benefits of a new play space in the area.
- To continue engagement and provide updates where possible to the community.

5. Target Audiences

Community

- Adjoining landholders/occupants.

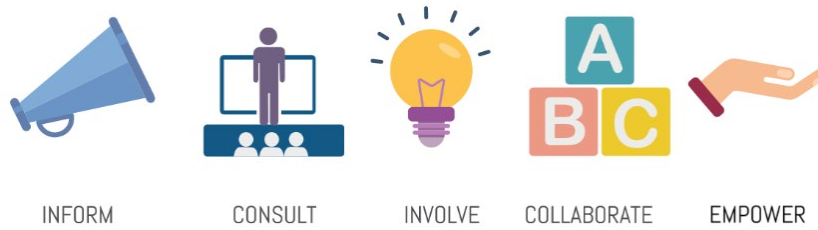
- Local residents and general community.

6. Key Messages

Community	
Adjoining landholders/occupants.	<ul style="list-style-type: none"> • Notify about the planning that has been undertaken for the park and the proposed play space location. • Provide an opportunity to respond to the proposed play space location and ideas for play space embellishments/equipment.
Local residents and general community.	<ul style="list-style-type: none"> • Notify about the planning that has been undertaken for the park and the proposed play space location. • Provide an opportunity to respond to the proposed play space location and ideas for play space embellishments/equipment.

7. Level of Engagement

There are different public participation levels ranging from inform, consult, involve, collaborate and empower.



_____ _____ _____ _____ _____

The community engagement for the Cascade Gardens Park Planning is to be conducted at a level of inform and consult. The method of engagement is outlined below.

8. Methods of Engagement

Consult (Project Planning):

- **Site Signage**
Core flute signage in various locations across the site with a brief description of the planning, reason for engagement and QR code linking to Council’s Engagement HQ website.
- **Direct Mail (Letter to adjacent property owners)**
Letters will have a brief description of the planning, reason for engagement and QR code linking recipients to Council’s Engagement HQ website.
- **Council’s Engagement HQ Website**
Overview of planning and site map.

Inform (Project Delivery):

- **Site Signage**
Core flute signage in various locations across the site notifying residents of the final design and delivery timeframe.
- **Direct Mail (Letter to adjacent property owners)**
Letters notifying residents of the final design and delivery timeframe.
- **Media Release**
Media release announcing the completion of the project.

9. Implementation Schedule – Public Notification and Response

Indicative timeline only. Dates are subject to change.

	What	When	Who
Planning and preparation	Seek Council endorsement of the proposed park planning and community engagement plan.	March 2023	Strategic Planning
	Draft consultation collateral.	March 2023	Strategic Planning
Consultation phase (21 days)	Post letters to adjoining residents.	14 April 2023	Strategic Planning
	Install core flute signage on site.	17 April 2023	CAF
	Release Engagement HQ survey.	17 April 2023	Media & Communication
	Close Engagement HQ survey.	7 May 2023	Media & Communication
	Remove core flute signage from site.	8 May 2023	CAF
	Prepare consultation summary.	12 May 2023	Media & Communication
Design	Update and finalise detailed design.	May-June 2023	Strategic Planning
	Internal review and approval of detailed design.	June 2023	Parks / CAF
Delivery	Order play space components.	July 2023	CAF
	Install core flute signage on site.	August 2023	CAF
	Post letters to adjoining residents.	August 2023	Strategic Planning
	Install and construct play space.	Sep/Oct 2023 (12–16-week lead time)	CAF
	Media release.	Upon project completion	Media & Communication
	Remove core flutes from site.	Upon project completion	CAF

10.3 COLTS RUGBY CLUB INC - TRUSTEE LEASE AREA EXTENSION

File No:	734
Attachments:	1. Proposed Trustee Lease Area 2. Facility Sketch Plans 3. Existing Trustee Lease Area
Authorising Officer:	Doug Scott - Acting General Manager Community Services
Author:	Justin Bulwinkel - Supervisor Business Support

SUMMARY

In accordance with Section 236(1)(b)(ii) of the Local Government Regulation 2012 (Qld) a Council resolution is sought to extend the existing Trustee Lease area for Colts Rugby Union Inc over part of Tom Nutley Park.

OFFICER'S RECOMMENDATION

THAT:

1. Pursuant to Section 236(1)(b)(ii) of the *Local Government Regulation 2012 (Qld)* Council approve the request to extend the Trustee Lease area as identified in Attachment 1 of the report; and
2. Council authorises the Chief Executive Officer (Supervisor Business Support) to negotiate the terms and conditions of the agreements in preparation for execution by the delegated officer.

BACKGROUND

Colts Rugby Union Inc currently hold a Trustee Lease and Trustee Permit over part of Tom Nutley Park (Lot 133 on SP326317) for the purposes of sport and recreation and is the owner of the dwelling and adjacent assets on site.

For over 50 years, Colts have been signified as a respected and valued community organisation within the region. Only a short few years after their inception, the club demonstrated their commitment in 1981 by taking a lead role in the development of Tom Nutley Field, taking it from open space to the highly utilised facility it is today.

Officers continue to acknowledge the committee's efforts within the community working directly with a number of sporting bodies to support a multiuse facility structure. These working relationships and shared use arrangements extend beyond Rugby Union, directly supporting other codes such as Rugby League.

COMMENTARY

Over the past (2) years, Colt's commitment has continued to not only plan, but secure funding in efforts to deliver a range of initiatives to improve the facilities at Tom Nutley Park.

A recent example was the execution of a bollard installation project to safeguard the playing surface and improve overall safety of the facility. This project was successful through countless hours invested by the Club volunteers to project manage, provide labour and finance a range of logistics to deliver the work.

An ensuing Club initiative also recently gained traction when a grant to the value of \$100,000 from the Gambling Community Benefit Fund Super Round (GCB) was secured to support a clubhouse expansion.

With funding secured, Colts now present to Council a project scope to construct a 12m x 6.8m building comprising two (2) female compliant changerooms valued at \$182,000 with Colts directly demonstrating their financial capacity to finance the remaining \$82,000 of the build. **Attachment 2** will depict location and design.

Officers note that two (2) established Terminalia's situated against the club house on the Western end will be removed to support construction. Colts have committed to working with the Arboriculture Coordinator to deliver a planting program to reconcile their removal.

Attachment 3 depicts their current Leased area, signifying an existing shortfall in area to the East of dwelling to support the current storage infrastructure on site. The proposed lease extension will also alleviate this constraint.

Supporting proposed improvements, officers seek Council's endorsement to increase the existing Trustee Lease area beyond the Western and Eastern boundaries as described in **Attachment 2** to support both current and future development initiatives under the following conditions:

- a. Appropriate Development Permit for Building Work are secured.
- b. Special conditions are revised to ensure the following club information is provided to Council on an annual basis:
 - Audited Financial Statements
 - Constitution
 - AGM Minutes
 - Member numbers
- c. Club accepts all financial obligations of the project, including land survey cost.
- d. All site improvements will be owned and maintained by Colts Rugby Union Inc consistent with the terms of their lease.

PREVIOUS DECISIONS

No previous decision relating to this matter.

BUDGET IMPLICATIONS

No financial implications imposed on Council. The Trustee Lease is subject to an annual fee set by Council's adopted Fees and Charges schedule.

Cost associated with the extension of Lease area will be funded by Colts Rugby Union Club.

Colts Rugby Union Inc will be responsible for all project costs.

LEGISLATIVE CONTEXT

Section 236(1)(b)(ii) of the *Local Government Regulation 2012 (Qld)* allows a Local Government to dispose of a valuable non-current asset to a community organisation, provided that Council has decided, by resolution. Exception applies to the leasing of valuable non-current assets (ie land) other than by tender or auction.

LEGAL IMPLICATIONS

It is proposed that Council will enter into a Trustee Lease with the Tenant which satisfies the requirements of the Land Act 1994(Qld).

STAFFING IMPLICATIONS

Existing resources within Parks and Property and Insurance can adequately manage the required legal documentation.

RISK ASSESSMENT

No risk assessment was completed nor necessary in relation to this matter.

CORPORATE/OPERATIONAL PLAN

The proposal aligns with the following Corporate Plan objectives:

- 2.1 – Our places and spaces enhance the livability and diversity of our communities
- 2.2 – We support our communities through our activities and programs.
- 5.1 – Our Region has Infrastructure that meets current and future needs

CONCLUSION

It's recommended that Council approve the extension of lease area identified in the report and that the Chief Executive Officer (Supervisor Business Support) negotiate the terms and conditions of the agreements in preparation for execution by the delegated officer.

COLTS RUGBY CLUB INC – TRUSTEE LEASE AREA EXTENSION

Proposed Trustee Lease Area

Meeting Date: 21 March 2023

Attachment No: 1

PROPOSED LAYOUT ON NEW LEASE AREA



2mm = 1m

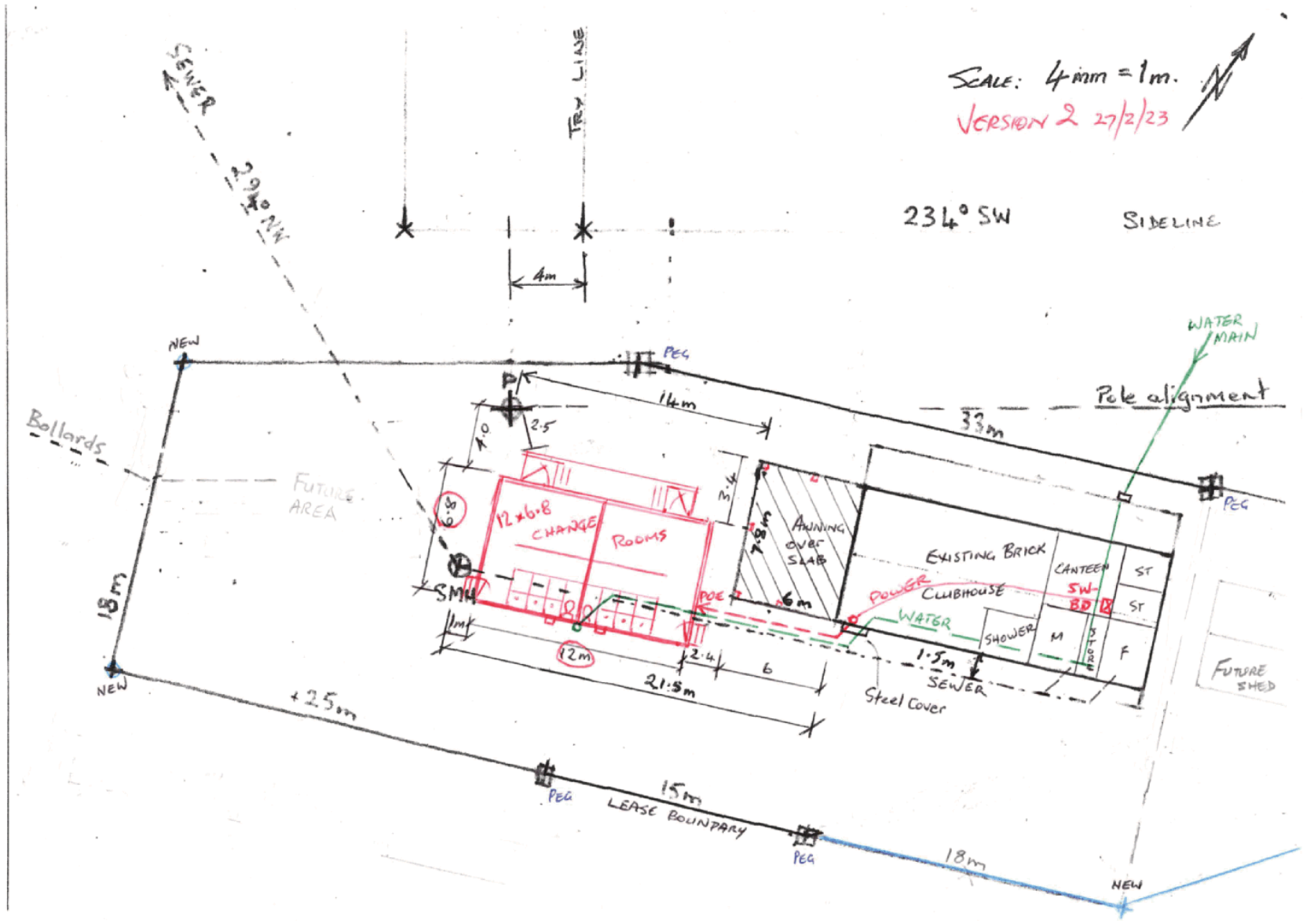
27-2-2023
Charge rooms
2.5m off building
4m off Pole

COLTS RUGBY CLUB INC – TRUSTEE LEASE AREA EXTENSION

Facility Sketch Plans

Meeting Date: 21 March 2023

Attachment No: 2



COLTS RUGBY CLUB INC – TRUSTEE LEASE AREA EXTENSION

Existing Trustee Lease Area

Meeting Date: 21 March 2023

Attachment No: 3

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10.4 BERSERKER MASONIC LODGE NO. 407 - FREEHOLD LEASE RENEWAL

File No: 734
Attachments: Nil
Authorising Officer: Doug Scott - Acting General Manager Community Services
Author: Justin Bulwinkel - Supervisor Business Support

SUMMARY

In accordance with Section 236(1)(c)(iii) of the Local Government Regulation 2012 (Qld) a Council resolution is sought to renew the existing Freehold Lease agreement by Berserker Masonic Lodge No 407 over 19 Larnach Street.

OFFICER'S RECOMMENDATION

THAT:

1. Pursuant to Section 236(1)(c)(iii) of the *Local Government Regulation 2012 (Qld)* Council approve the request to renew the Freehold Lease agreement as identified in the report.
2. Council authorises the Chief Executive Officer (Supervisor Business Support) to negotiate the terms and conditions of the agreements in the report in preparation for execution by the delegated officer.

COMMENTARY

Berserker Lodge's occupancy of, and connection with, the Larnach Street Hall during the years since the lease was granted have been positive and progressive. This has resulted in an established venue for Masonic activities, both ceremonial and social. Therefore, it is important for Freemasonry that this occupancy continue into the future, for the following reasons:

- To preserve the membership's efforts and input into the premises to establish a venue for Masonic meetings.
- To offer the membership security for ongoing connection and commitment through their association with the Freemasonry.
- With the changing demographics and action by UGLQ, the Hall provides a place for others of the Fraternity within Rockhampton to continue their Masonic connection; a connection most of their brethren have enjoyed for decades.
- Freemasonry has maintained a presence in Rockhampton for 159 years; it is quite possible the Larnach Street Hall could be the venue for the preservation of this connection with Rockhampton society long into the future.

This said, Officers acknowledge the presence and level of activity their organisation create in the community through ongoing Masonic meets and community run programs such as the Driver Reviver initiative. Therefore, with their current Freehold Lease now holding a status of expired, Officers seek council support to offer Berserker Lodge No.407 the opportunity to renew tenure under the following conditions:

- Term: Six (6) years, effective from date of approval.
 - Applicable fees will be set in accordance with Parks Sports & Rec adopted fees and charges schedule.
 - Special Conditions:
 - Tenant must provide copies of the following documents on an annual basis:
 - Audited Financial Statements
-

- Constitution
- AGM Minutes
- Player and Member numbers
- As required/negotiated

BACKGROUND

For the purpose of Masonic and community activities, the Berserker Lodge No 407 have held a Freehold Lease over Lot 2, RP6 10854, 19 Larnach Street, Allentown since 2007. While their presence at Larnach Street dates back only 15 years, their conception within the region takes us back to 1949, holding an unbroken presence in the community to this day.

Their time at Larnach Street has proven suitable and functional for their activities and to the satisfaction of those who have attended the various meetings held there.

As mentioned, their Freehold Lease agreement currently holds a status of 'expired', however during this period of uncertainty the committee continued to comply with the conditions of the lease by paying all associated fees, including a recent increase applied to their annual charge after a clerical error had been identified.

The Lodge has also attested their interest into improving the facility over the years to come to improve functionality and support future growth, however declined Officers proposal to consider taking ownership of the building.

PREVIOUS DECISIONS

No previous decision relating to this matter.

BUDGET IMPLICATIONS

Revenue: The Freehold Lease is subject to an annual fee set by Council's adopted Fees and Charges schedule

Expense: Lease will obligate Council as owner/lessor of the dwelling to facilitate priority maintenance work via allocated Capital budget over two (2) year period:

23/24 FY: Roofing repairs (\$35,000)

24/25 FY: Structural works, restumping (\$80,000)

Note: Recent condition reports validate the financial investment to support priority maintenance.

LEGISLATIVE CONTEXT

In accordance with Section 236(1)(c)(iii) of the Local Government Regulation 2012 (Qld) a Council resolution is required to renew a Freehold Lease.

LEGAL IMPLICATIONS

No legal implications.

STAFFING IMPLICATIONS

Existing resources within Parks and Property and Insurance can adequately manage the required legal documentation.

RISK ASSESSMENT

No risk assessment was completed nor necessary in relation to this matter.

Officers note, if priority maintenance is not completed within the scheduled two (2) year period, an annual risk assessment to monitor building safety and integrity will be considered subject to an inspection.

CORPORATE/OPERATIONAL PLAN

The proposal aligns with the following Corporate Plan objectives:

- 2.1 – Our places and spaces enhance the livability and diversity of our communities
- 2.2 – We support our communities through our activities and programs.
- 5.1 – Our Region has Infrastructure that meets current and future needs

CONCLUSION

Officers recommend Council approve the renewal of Freehold Lease identified in the report and that the Chief Executive Officer (Supervisor Business Support) negotiate the terms and conditions in preparation for the consideration and execution by the delegated officer.

10.5 BROTHERS AUSTRALIAN FOOTBALL CLUB INC - FREEHOLD LEASE RENEWAL

File No: 734
Attachments: Nil
Authorising Officer: Doug Scott - Acting General Manager Community Services
Author: Justin Bulwinkel - Supervisor Business Support
Jack Barnett - Sports and Recreation Advisor

SUMMARY

In accordance with Section 236(1)(c)(iii) of the Local Government Regulation 2012 (Qld) a Council resolution is sought to renew the existing Freehold Lease agreement by Brothers Australian Football Club Inc over part of Kele Park.

OFFICER'S RECOMMENDATION

THAT:

1. Pursuant to Section 236(1)(c)(iii) of the *Local Government Regulation 2012 (Qld)* Council approve the request to renew the Freehold Lease agreement as identified in the report; and
2. Council authorises the Chief Executive Officer (Sports and Recreation Advisor) to negotiate the terms and conditions of the agreements in preparation for execution by the delegated officer.

COMMENTARY

Brothers Australian Football Club Inc. currently hold a Freehold Lease and a Freehold License over part of Kele Park (Lot 101 on SP 123574) for the purposes of sport, recreation and/or community activities.

The club has been active within the community since the early 1980's, with the first official committee meeting occurring in 1981, and Rockhampton City Council offering the club Victoria Park in 1984. Present day, 42 years later, the club currently resides at Kele Park after moving in 2006 to support the expansion of Rockhampton Show.

Over recent years Brothers have continued to demonstrate positive community values by financially investing into the facility with numerous additions such as an elevated referee's box, several grandstand, electronic score board, seating and shade shelters.

With their current Freehold Lease scheduled to expire 30 June 2023 and subject to Council's approval, officers will offer Brothers AFC Inc the opportunity to renew tenure under the following conditions:

- Term: Six (6) years, effective 1 July 2023
- Applicable fees will be set in accordance with Parks Sports & Rec adopted fees and charges schedule.
- Special Conditions:
 - Tenants must provide copies of the following documents on an annual basis:
 - Audited Financial Statements
 - Constitution
 - AGM Minutes
 - Player and Member numbers
 - As required/negotiated

BACKGROUND

Brothers Australian Football Club Inc. have been tremendously active over the past 18 months in the community development and improvement space, securing several grants from governing bodies. With this recent success, they've moved into final stages of delivering a 200lux lighting project across Kele Park (AFL Field), valued up to \$1 million. The project boasts four new 30-metre lighting towers comprising LED's to effectively activate the facility for evening use and competitive programs. This project increases the facilities usage capacity and creates opportunity to support other community organisations in the region.

In parallel to the lighting project, the clubs recently collaborated with Council Officers after being successful with the Queens Jubilee Grant, securing a significant amount of money to go towards tree planting program at Kele Park. This projects recently entered into the final stages of planning and scoped to deliver 30 to 40 trees across the facility to enhance shade coverage and strive towards improved sustainability. The initial planting of the tree ceremony saw Mayor, Councilors and Michelle Landry attend to commemorate the momentous occasion.

In efforts to support other community groups, and build better relationships, the club continues to seek out opportunities to increase facility utilisation in efforts to support the region. Recently partnering with Rockhampton Softball who utilised the site to extend their footprint and qualify to host a state level event.

PREVIOUS DECISIONS

No previous decision relating to this matter.

BUDGET IMPLICATIONS

No financial implications imposed on Council. The Freehold Lease is subject to an annual fee set by Council's adopted Fees and Charges schedule.

LEGISLATIVE CONTEXT

In accordance with Section 236(1)(c)(iii) of the Local Government Regulation 2012 (Qld) a Council resolution is required to renew a Freehold Lease.

LEGAL IMPLICATIONS

No legal implications.

STAFFING IMPLICATIONS

Existing resources within Parks and Property and Insurance can adequately manage the required legal documentation.

RISK ASSESSMENT

No risk assessment was completed nor necessary in relation to this matter.

CORPORATE/OPERATIONAL PLAN

The proposal aligns with the following Corporate Plan objectives:

- 2.1 – Our places and spaces enhance the livability and diversity of our communities
- 2.2 – We support our communities through our activities and programs.
- 5.1 – Our Region has Infrastructure that meets current and future needs

CONCLUSION

Its recommended Council approve the renewal of the Freehold Lease identified in the report and that the Chief Executive Officer (Sports and Recreation Advisor) negotiate the terms and conditions in preparation for the consideration and execution by the delegated officer.

10.6 AMENDMENTS TO LOCAL LAWS

File No:	11698
Attachments:	Nil
Authorising Officer:	Doug Scott - Acting General Manager Community Services
Author:	Jon Buckenham - Coordinator Local Laws

SUMMARY

In 2020 Council endorsed to commence the Local Law making process in relation to Local Law 2 (Animal Management) and Local Law 5 (Parking) and their subordinates. Feedback from the community in regard to the current animal nuisance provisions under Subordinate Local Law 2 (Animal Management) has identified a difference in the community's expectation to the current provisions. Officers are seeking Council's endorsement in relation to the amended definition in relation to animal nuisance provisions.

The Minister for Transport and Main Roads has written to shopping centres within Queensland to highlight the possibility of entering into arrangements with Local Councils to enforce Disability Parking Misuse. Council officers have contacted shopping centres in the region and a number have expressed interest in formally working with Council. To enable these agreements, Local Law 5 (Parking) and subordinates have to be amended.

OFFICER'S RECOMMENDATION

THAT:

1. Council support the proposed additional amendments to Section (1)(e) and Section (3)(a) and (b) of Schedule 4 of Subordinate Local Law 2 (Animal Management) being changes to the minimum standards for keeping of animals regarding animal noise nuisances; and
2. Council support the proposed additional amendment to Schedule 2 of Subordinate Local Law 5 (Parking) being the inclusion of maps and locations for Shopping Centres that formalise arrangements to identify their parking lots as Off-Street Parking Areas.

COMMENTARY

Council formally endorsed to commence the Local Law-making process on 13 October 2020. Council Officers have reviewed requests from stakeholders and drafted a number of changes to align the Local Laws with the community's expectations and on 20 April 2021 presented possible amendments.

During this process it has been identified that animal nuisance provisions was a section that required review. Officers have reviewed a number of other Council's provisions across the state with each Council having a differing definition and standard for animal nuisances particularly around barking dogs.

Council Officers also reviewed the current investigation process and as a result identified a limitation within the definition of properties effected by an animal nuisance.

From this review, Council Officers have drafted changes to Schedule 4 of *Subordinate Local Law 2 (Animal Management)* to broaden the effected properties whilst enhancing Council Officers ability to enforce compliance if required.

The change will simplify the minimum standard by removing the definition of the effected properties from within the list of required minimum standards and adding a specific section to provide considerations for what constitutes a nuisance.

This further section provides consideration that must be taken into account, which includes a widened affected premises definition as well as a section that allows the authorised officer to consider the frequency and intensity of the animal noise should evidence be received outside of the affected area or without 3 effected persons.

Below are the proposed amended definitions.

Schedule 4 Section (1)(e)

take all reasonable steps to prevent the keeping of the animal on the premises from making a noise or disturbance that, in the opinion of an authorised person, causes a nuisance.'

Schedule 4, section (3)—

In considering whether an animal has caused a noise nuisance under (1)(e), an authorised person may have regard to any 1 or more of the following—

- (a) whether complaints have been received from 3 different persons all of whom occupy separate premises but only if the separate premises are situated as follows;*
 - (i) the 7 premises directly opposite the premise on which the animal is ordinarily kept; or*
 - (ii) the 4 premises on the same road frontage as the premise on which the animal is ordinarily kept; or*
 - (iii) the 7 premises in a row which are directly or indirectly to the rear of, or behind the premise on which the animal is ordinarily kept; or*
- (b) the frequency and intensity of the animal noise;*

The Minister for Transport and Main Roads has made contact with shopping center management to highlight the possibility of entering into arrangements with Local Councils to enforce Disability Parking misuse under Section 104 of the *Transport Operation (Road Use Management) Act 1995*.

Council Officers have contacted shopping center management across the region to identify if there is a desire to enter arrangements with Council to enforce the disability parking bays within their carparks. To date 4 responses have been received indicating there is a desire for Council's assistance in managing disability parking misuse.

To enable Council to enforce the disability bays within the shopping center grounds, Council must enter an arrangement with the shopping center management and then declare the area's an Off-Street Parking Area and define the area under *Subordinate Local Law 5 (Parking)*.

The proposed amendments to *Subordinate Local Law 5 (Parking)* will be the inclusion of maps and locations for Shopping Centers that formalise arrangements to identify their parking lots as Off-Street Parking Areas.

BACKGROUND

On 13 October 2020 Council endorsed the Local Law-making process. Identified changes were reviewed by Council on the 20 April 2021. Further investigations identified a gap in the community expectations and the current Local Laws. Draft changes have been put together for Councils consideration.

PREVIOUS DECISIONS

13 October 2020 – Council endorsed to commence the Local Law-Making Process.
20 April 2021 – Council reviewed possible amendments with no major changes.

BUDGET IMPLICATIONS

The Local Laws are reviewed by solicitors to ensure compliance with the Law-making process which will be a cost to Council.

LEGISLATIVE CONTEXT

Under the Local Government Act 2009, Council has the authority to make and enforce any local law that is necessary or convenient for the good rule and local government of its local government area.

Council is empowered under the Transport Operation (Road Use Management) Act 1995 to undertake enforcement of minor offences including parking offences and enter into arrangements to define Off-Street Parking Areas.

LEGAL IMPLICATIONS

Requirements for creating a Local Law are defined under the Local Government Act and compliance with this act will be required.

Council will engage a legal firm or internal solicitors to review the amendments for legislative compliance.

STAFFING IMPLICATIONS

Local Laws staff will undertake the initial review and amendments of the Local Laws as well as management of the process for Legal review and community consultation.

RISK ASSESSMENT

There is minimal risk associated with the changes defined in this report.

CORPORATE/OPERATIONAL PLAN

There are no corporate or operational plan links to making these amendments.

CONCLUSION

Council officers are seeking Council's support for the identified amendments under *Local Law 2 (Animal Management)* and *Local Law 5 (Parking)* as well as subordinates of these laws, to align with the community's expectation.

10.7 LOCAL LAWS UPDATE - SYSTEMATIC INSPECTION PROGRAM, ANIMAL MANAGEMENT STRATEGY AND GENERAL STATISTICS

File No: 11741
Attachments: Nil
Authorising Officer: Doug Scott - Acting General Manager Community Services
Alicia Cutler - General Manager Community Services
Author: Jon Buckenham - Coordinator Local Laws

SUMMARY

On 23 August 2022, Council approved a selective inspection program between 3 October 2022 and 9 December 2022. The selective inspection program is now complete and outcome statistics are detailed in this report. The Animal Management Strategy details key issues within the community and this report provides an overview of the actions Local Laws is currently taking to respond to these issues.

OFFICER'S RECOMMENDATION

THAT the Local Laws Update report be received.

BACKGROUND**Selective Inspection Program**

On 23 August 2022 Council approved a selective inspection program between 3 October 2022 and 9 December 2022 for all properties within the Rockhampton Regional Council area where a dog/s had been registered up to 31 August 2022 and where registration had not been renewed.

The selective inspection program was undertaken between these dates using a variety of contact methods to engage with the dog owner.

3411 dogs were identified as not having their registration renewed. Officers made contact with 1818 dog owners during the period with 225 dogs being identified as deceased, 306 identified as relocated, 141 registrations being paid on the spot and 1146 dog owners being advised that registration was due or being provided a verbal direction to pay the registration.

During the period of the program, 860 dog registration renewals were paid as a result of being contacted by Officers.

Owners of dogs previously registered that weren't contacted during the program will be contacted at a later date.

Overall, whilst not every property or owner was able to be contacted due to limited resources, the outcome of the program was a success with a significant information being updated.

Animal Management Strategy

Councils Animal Management Strategy 2020 – 2023 provides direction for Council Officers on the key issues within the community.

Council provided ten key issues within the Animal Management Strategy with Council Officers undertaking both daily operational tasks to meet these objectives as well as larger projects. Below are the actions taken to meet the key issues identified in the Animal Management Strategy.

Key Issue 1 – Animals no being under effective control.	
1.1 Dog Attacks and aggressive dogs to be given priority attention	Dog attacks and wandering dog complaints are Priority 1 request with attendance in line with the service standards.
1.2 Dog off-leash areas will be effectively managed	Local Laws has worked closely with Strategic Planning on the signage and locations of the new off leash area's. Local Laws have promoted current off leash areas as well as educated users as part of the Pets in the Park program.
1.3 Wandering Animals will be returned on first offence	This section has been embedded in Council procedures.
1.4 Wandering stock and other animals will be addressed by effective processes	Animal policies have been reviewed. Increased capability with purchase of stock trailer and further cat traps.
Key Issue 2 – Unregistered Dogs	
2.1 Community Education	Council has commenced Pets in the Park program where information is disseminated to the public.
2.2 Ensure efficient data management	Council undertook a selective inspection program which allowed data in Council's system to be effectively updated.
2.3 Use incentives to promote registration	Council has introduced as part of the fees and charges, a discount in renewal fee if paid on time.
2.4 Systematic inspection and intervention programs will be conducted	Council has undertaken a Selective Inspection Program for animals that were non-renewed
2.5 Impound dogs not released unless registered	Council has in place a policy that requires dogs be registered prior to release and the AMC manual re-enforces the requirement in procedure.
Key Issue 3 – Unidentified Cats and Dogs	
3.1 Community Education	Officers have developed a Local Laws Community Education Plan which provides the education methods intended to use to ensure the community is provided the key messages and details. Pets in the Park program provides a platform to obtain and update owners' details.
3.2 Use of incentives to encourage microchipping	Policies and AMC manual have been updated to ensure microchipping is completed before release of animals. Reviewed training providers for appropriate courses to provide microchipping service.
3.3 Enforcement of microchipping legislation	Undertake as part of normal operations.
Key Issue 4 – Unwanted cats and dogs	
4.1 Community Education	Councils current Pets in the Park program is used to promote responsible pet ownership. Council supports RSPCA through Operation Wanted
4.2 Use Incentives to encourage desexing	Current fees and charges provide discount for desexing. Desexing policy currently under review to provide incentives for desexing into the future.

4.3 Community Engagement	Engagement has formed part of the Local Laws Community Education Plan
4.4 Work with State Government	Local Laws works along side RSPCA, providing operational support and housing animals. Council is engaged with Department of Agriculture and Fisheries as part of the Animal Management Act Review Technical Working Group.
4.5 Unwanted animal re-homing policy	Policies are continually reviewed and updated. Local Laws Community Education Plan developed to include promotion of positives stories.
Key Issue 5 – Animal Management Centre	
5.1 Educate the community on Council's Animal Management Centre	Local Laws Community Education Plan has been developed to encompasses tasks to promote the AMC within the community.
5.2 Improve intervention for disease transmission management	AMC operation align with the AMC manual which provides up to date disease management.
5.3 Adequately resource the Animal Management Centre	AMC resources have been reviewed and currently staffing levels meet the needs of the number of animals in the centre.
5.4 Stage 2 and 3 Animal Management Centre development plan	Stock yards currently being procured. Total number of animals held at the AMC is regularly reviewed to ensure should further development be required; adequate funding can be obtained through the budget process.
Key Issue 6 – Animal Noise Nuisance	
6.1 Community education	Councils webpage has been updated to provide up to date information. Pets in the Park program used to promote ways to negate animal noise nuisances.
6.2 Progressive intervention	Current review of the Local Laws to determine if the current requirements set under the Local Law meet the community expectations. Review of current technologies has been undertaken with cost and effectiveness to be reviewed in line with possible changes in the Local Law.
Key Issue 7 – Animal Management Local Laws	
7.1 Local Law process review	Policies and processes have been reviewed as required. Engagement with the community has been undertaken at Pets in the Park events. Local Laws are currently being reviewed to align with community expectations.
Key Issue 8 – Animal Management Policies and Procedures	
8.1 Review animal management policies and procedures	Policies and Procedures due for review during the year have been completed.
Key Issue 9 – Community Education and Awareness	
9.1 Community Education	Local Law Community Education Plan developed. New residence / dog owners information has been updated and on the website.

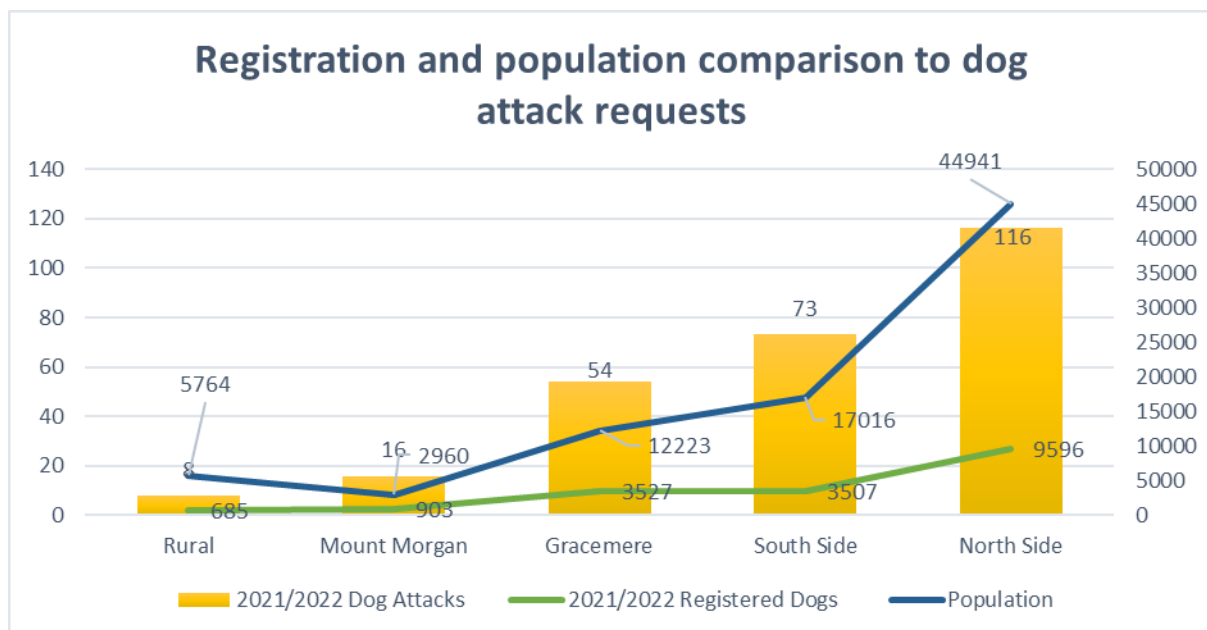
	Yearly reviewed of the fact sheets completed. Pets in the Park program commenced to provide engagement with community members and promote responsible pet ownership.
9.2 Provision of prep, pre-school and secondary school-based programs	Reviewed current school programs and modified delivery method to enable schools to engage with officers on a whole of school monthly basis over single class visit.
Key Issue 10 – Capability of staff	
10.1 Review staffing resources	Continued development of training products for staff on commencement with Council. New stock trailer purchased. Professional Development Plans completed with identified training developed.
10.2 Staff training	Continued development of training products for staff. Training matrix reviewed. Review of current training gaps undertaken. Formal training investigated and currently awaiting QUT to commence program.

Animal Registration and Dog Attack Statistics

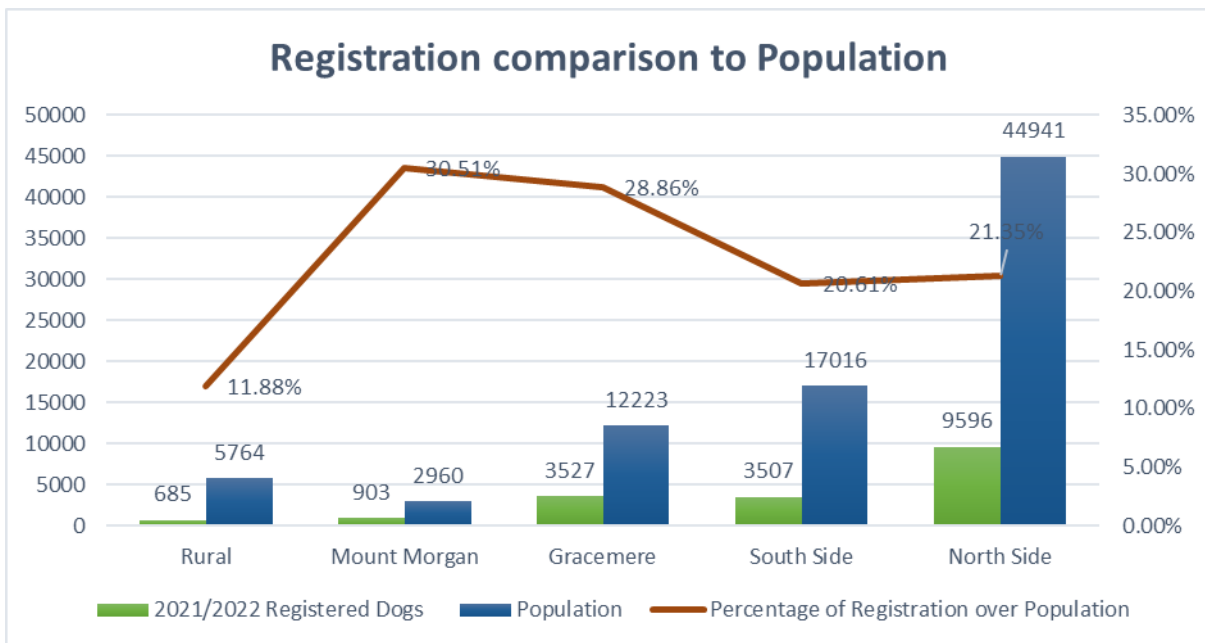
Information was previously requested by Councilors in relation to how registered animals, population, general animal complaints and dog attacks compared in the Rockhampton Region. The data compiled is from the 2021/2022 financial years and registration periods as well as current population data from the most recent census.

When analyzing the data, the data was graphed to provide the results in a useable manner.

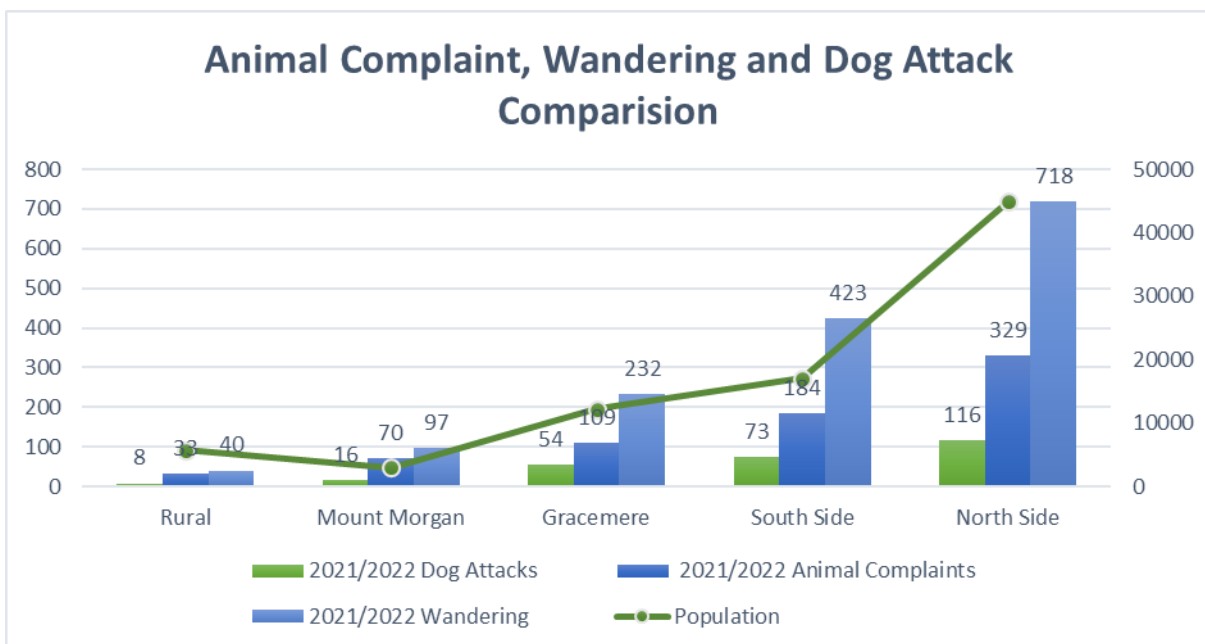
The below graph compares dog registration and population to dog attack and as expected, it shows areas with greater dog registration and population have greater number of dog attack.



Comparison was also completed for registration against population, it shows that within Rockhampton itself there is a steady rate of registrations against population with Gracemere and Mount Morgan showing a high percentage of animals per person. This indicates that people in Gracemere and Mount Morgan are more likely to own a dog.



Finally, reviewing the two main animal investigation that could contribute to dog attacks, being animal complaints (encompassing enclosures issues, registration, general animal keeping and number of animals) and wandering animals, it shows a similar trend to dog attacks. Being higher rate of registration and population indicates more requests of these types across all the areas in the region. This is graphed below.



It can hypothesized that wandering requests, animal complaints, population and animal ownership are all contributing factors to dog attacks although from the analysis there is no information to suggest any one of these factors is a key indicator to forecast dog attacks.

As a result, Local Laws utilise all of these factors when considering how to resource each area as well as which programs to use and undertake in different areas to obtain the best results.

10.8 DEPARTMENT OF ENVIRONMENT AND SCIENCE - FREEHOLD LAND LEASE TO SUPPORT AIR QUALITY MONITORING SITE

File No:	734
Attachments:	<ol style="list-style-type: none">1. Letter from DES to RRC incl. image↓2. Stakeholder Discussion Paper and Other AQM Sites↓3. AQM Site Plan View↓4. Preferred Air Quality Monitoring Sites↓
Authorising Officer:	Doug Scott - Acting General Manager Community Services
Author:	Jack Barnett - Sports and Recreation Advisor Justin Bulwinkel - Supervisor Business Support

SUMMARY

Council Officers reporting on the Department of Environment and Science (DES) proposed Air Quality Monitoring Facility within Rockhampton to support and expand the Queensland Governments PM 2.5 Monitoring Network.

OFFICER'S RECOMMENDATION

THAT pursuant to section 236(b)(i) of the *Local Government Regulation 2012*:

1. Council endorses the construction and operation of an Air Quality Monitoring Facility in the Rockhampton Region consistent with the design and specification defined within the report;
2. Pursuant to section 236(b)(i) of the *Local Government Regulation 2012* (Qld) Council approve the request for a Freehold Lease over part of Lot 321 on LN1251 (4 Bellevue Terrace, The Range);
3. Council endorse Preferred Air Quality Monitoring Site One (1) as detailed in Attachment 4 of the report; and
4. Council authorises the Chief Executive Officer (Sport and Recreation Advisor) to negotiate the terms and conditions of the agreements in preparation for execution by the delegated officer.

COMMENTARY

In response to smoke impacts from the 2019-20 bushfires, the Department of Environment and Sciences (DES), Air Quality Monitoring team (AQM) has been funded to expand the network of air monitoring stations in Queensland to provide more local measurements of pollutant levels during poor air quality events such as bushfire smoke. Data from the expanded network will be displayed on the DES near real-time air quality website, which is publicly available.

There are numerous existing sites throughout Queensland that provide up-to-date modelling on air quality for their respective regions. These sites include (some with multiple sites) Townsville, Mackay, Moranbah, Emerald, Gladstone, Sunshine Coast, Brisbane, and Gold Coast. Please see Attachment No. 2 for further information.

BACKGROUND

Council officers were contacted by DES in May 2022 requesting assistance in determining a suitable location in Rockhampton for an air quality monitoring site. There were some application criteria that would limit the sites to include the following:

1. The site was required to be located on Rockhampton's southside due to idealistic wind patterns and flow.

2. In an elevated area away from a highway, or heavily used roads, to ensure road dust/grime would not affect the data collected as well as avoiding flood-prone areas to mitigate adverse flood damage risk.
3. Access to an adjoining and appropriate power source, without the requirement for major trenching or electrical capacity upgrades.

The established site infrastructure will consist of a 6x6m concrete slab, fully fenced at 1.8m high with barbed wire for safety and equipment security, while the structure itself will be 3m (L), 2.4m (W), and 3.95m (H). A 10-metre-tall aluminum mast will be attached to the top of the structure which contains the sensor. Please refer to **Attachment 1 & 3** for further information.

Officers recommended site location one (1) is notable close in proximity to the Athelstane Range reservoir, therefore Fitzroy River Water was engaged to ensure if construction and subsequent operation of the facility was to occur there would be no implications on future development of the reservoir or impact on daily operations. FRW raised no concerns or objection supporting the proposed site one (1). Council's Strategic Planning Department were also consulted with no objections to the preferred site.

Acknowledging the potential value this infrastructure can provide the region, Officers seek Council endorsement to provide DES a Freehold Lease over Preferred Air Quality Monitoring Site One (1) (**Attachment 4**) under the following conditions:

- a. DES secure all applicable Development Permits for Building Works.
- b. DES accepts all financial obligations of the project, including land survey cost.
- c. All site improvements will be owned and maintained by DES consistent with the terms of their lease.
- d. In the event the Air Quality Monitoring Site be no longer active or required, DES will dismantle, remove, and return the leased area to its status prior to the project.
- e. Lease Conditions:
 - i. Term: Six (6) years
 - ii. Applicable fees will be set in accordance with Parks Sports & Recreation adopted fees and charges schedule.
 - iii. Special Conditions:
 1. Department of Environment and Science will negotiate with Rockhampton Regional Council on providing recurring detailed reports, highlighting relevant data that can support projects and drive initiatives in other sections and departments within Council i.e., Sustainability.

Should the Preferred Air Quality Monitoring Site One (1) be unfavoured, a secondary site location showcased in **Attachment 4**, page 2 is presented for Council to consider. This site has also been given conditional approval from FRW and the Strategic Planning Department.

PREVIOUS DECISIONS

No previous decisions relating to this matter.

BUDGET IMPLICATIONS

No financial implications imposed on Council. All Leases will be subject to Council's adopted Fees and Charges Schedule.

All associated project and operational cost will be responsible to Department of Environment and Science

LEGISLATIVE CONTEXT

In accordance with section 236(b)(i) of the Local Government Regulation 2012 (Qld) a Council resolution is required to issue a Freehold Lease.

LEGAL IMPLICATIONS

No Legal Implications.

STAFFING IMPLICATIONS

Existing resources within Parks and Property and Insurance can confidently manage the required legal documentation and actions.

RISK ASSESSMENT

No risk assessment was completed or required regarding this matter.

CORPORATE/OPERATIONAL PLAN

Aligned with our Corporate Plan Goal 4.2 pursuing innovative and sustainable practices, we are continually improving our environment and sustainability performance and complying with State and Federal requirements, while seeking out opportunities that contribute to the long-term environmental sustainability of the Region. In addition to Goal 4.3 through efforts of utilizing public spaces for environmental sustainability.

CONCLUSION

It is recommended that Council approve the Freehold Lease area defined in **Attachment 4 page 1**, to support DES with the development of an Air Quality Monitoring Facility within the Rockhampton Region to better understand the community's health levels and support the Chief Executive Officer (Sports and Recreation Advisor) to negotiate the terms and conditions in preparation for execution by the delegated officer.

**DEPARTMENT OF ENVIRONMENT AND
SCIENCE - FREEHOLD LAND LEASE
TO SUPPORT AIR QUALITY
MONITORING SITE**

Letter from DES to RRC incl. Image

Meeting Date: 21 March 2023

Attachment No: 1

20 July 2022

Mr Evan Pardon
Chief Executive Officer
Rockhampton Regional Council
PO Box 1860
Rockhampton QLD 4700



Department of
Environment and Science

Dear Mr Pardon

Request for the installation of an air quality monitoring site on the Rockhampton Regional Council land at Kerr Park, 210A Denham Street, The Range.

In response to smoke impacts from the 2019-20 bushfires, the Department of Environment and Science (DES), Air Quality Monitoring team (AQM) has been funded to expand the network of air monitoring stations in Queensland to provide more local measurements of pollutant levels during poor air quality events such as bushfire smoke. Data from the expanded network will be displayed on the DES near real-time air quality website <https://apps.des.qld.gov.au/air-quality/>, together with advice on appropriate health protection actions in response to particle levels. More details about this state-wide expansion project can be found in the attached stakeholder paper.

Discussions with Queensland Health and Queensland Fire and Emergency Services have identified Rockhampton as a priority location where additional air monitoring is required, so DES is seeking a suitable location in a suburban area of Rockhampton where the air monitoring equipment can be sited. During an inspection of potential locations in June 2022, conducted in conjunction with staff from Council's Parks Business Support, Kerr Park in The Range was identified as a location meeting the requirements for the air monitoring station.

DES is now seeking Council approval to establish and operate an ambient air quality monitoring station within Kerr Park; specifically on the level ground on the corner of Denham Street and Quarry Street on either side of the existing power pole (outlined in red in Figures 1 and 2 below).

The proposed air quality monitoring station will consist of a white demountable sandwich panel-type building housing the monitoring equipment, mounted on a concrete slab surrounded by security fencing. Attached to the building will be a guyed 10-metre-high telescopic aluminium mast for a meteorological sensor. Figure 3 below shows an example of a similar air quality monitoring station installed and operated by AQM.

The monitoring equipment to be housed in the monitoring station building will include:

- nitrogen oxides analyser
- ozone (photochemical smog) analyser
- sulfur dioxide analyser
- particle monitoring instrument
- nephelometer (visibility loss due to airborne particles)
- datalogging and wireless communication equipment

GPO Box 2454 Brisbane
Queensland 4001 Australia
Telephone 07 3170 5800
Website www.des.qld.gov.au
ABN 46 640 294 485

External to the building will be several sampling inlets mounted on the roof and connected to the instrumentation inside the building, and a meteorological sensor measuring wind speed and direction, temperature, humidity, barometric pressure and rainfall mounted on the 10-metre-high telescoping mast fitted to the side of the building.

Establishment of the proposed air monitoring station will require the following site infrastructure works:

- A 6m x 6m x 0.1m concrete slab as a foundation for the building and to provide a firm working surface around the building.
- Fencing around all sides of the concrete slab for public safety and equipment security. The fencing will be 1.8m high and topped with three-strand barbed wire (similar to the fencing displayed in Figure 3). The fence will include an access gate facing either Quarry Street or Denham Street (to be confirmed with Council) providing direct access to the monitoring station from the street.
- A 15amp 240V AC power supply. It is anticipated that this will be supplied from the existing power pole on the corner of Quarry Street and Denham Street. AQM will arrange for the necessary metering equipment to be installed at the monitoring station to establish a separate DES electricity account for recording and billing of power usage by the station.
- A white air-conditioned sandwich panel-type building of approximate dimensions 3m (L) x 2.4m (W) x 3.95m (H) (including safety railing) housing the monitoring and data handling equipment. More detailed building specifications are provided in the attached documents. Mounted to the building will be a guyed 10-metre-high, 50mm diameter telescopic aluminium mast for the meteorological sensor. All guy wires will be located within the station compound footprint. AQM will be responsible for transport, on-site deployment and fit-out of the station building.

Where requested, DES will use Council's preferred subcontractors to undertake the site infrastructure works. Alternatively, appropriately qualified contractors will be engaged to undertake these works.

The monitoring instrumentation will operate on a continuous unattended basis. Monitoring data will be automatically transferred via wireless communication to DES's Air Quality Data Management System in Brisbane at hourly intervals for transfer and display on the department's website. Physical access to the monitoring station for routine equipment maintenance will typically occur at monthly intervals. Ad-hoc access may be required at other times in the event of equipment problems. Access will normally take place during weekday business hours.

DES will be responsible for providing or managing all activities and equipment associated with the establishment and ongoing operation of the ambient air quality monitoring station at Kerr Park. All costs associated with establishing and operating the monitoring station will be met by DES. DES also undertakes to ensure compliance with all safety requirements relevant to the site and equipment.

DES is keen to establish the Rockhampton air quality monitoring station as soon as is feasible in order to provide monitoring coverage for as much of the 2022 fire season as possible. It is DES's intention for the Rockhampton monitoring station to be incorporated into the long-term state-wide monitoring network to provide information on air quality trends for the region. To achieve this, site tenure of a minimum of five years is sought, with the possibility of extension.

If future circumstances require the removal of the monitoring station from Kerr Park, DES undertakes to decommission the station and rehabilitate the site to its original condition, with all associated costs to be met by DES.

Should you require any further information, I can be contacted on (07) 3170 5800 or email margie.brown@des.qld.gov.au.

We appreciate the Rockhampton Regional Council's consideration of DES's request and look forward to hearing back from you soon.

Yours sincerely

Margie Brown
Senior Technical Officer

Encl. (4 attachments)

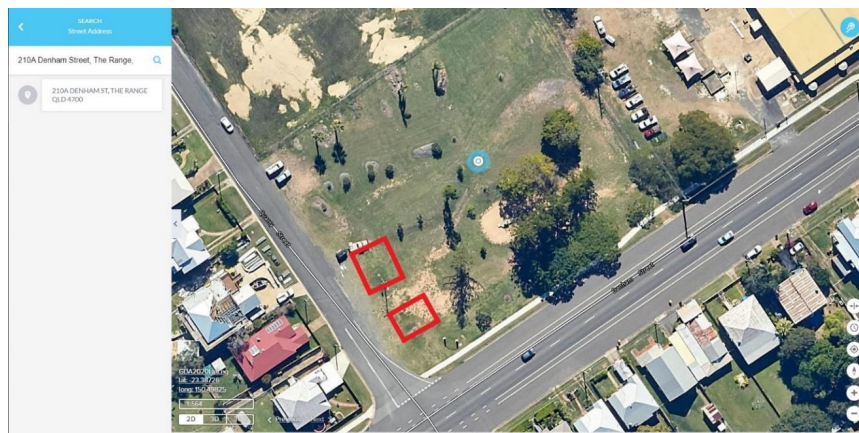


Figure 1. Marked in red and not to scale, potential air quality monitoring hut locations, either side of the existing power pole. The most level ground is required.



Figure 2. Marked in red and not to scale, Quarry Street view of potential hut locations.



Figure 3. Example of an air quality monitoring station similar to that proposed for Rockhampton.

**DEPARTMENT OF ENVIRONMENT AND
SCIENCE - FREEHOLD LAND LEASE
TO SUPPORT AIR QUALITY
MONITORING SITE**

**Stakeholder Discussion Paper
and Other AQM Sites**

Meeting Date: 21 March 2023

Attachment No: 2

Enhancing Air Quality Information Delivery

Stakeholder Discussion Paper - Expanded Bushfire Smoke Monitoring Network

Updated: July 2022

Summary

Following the extensive 2019-2020 summer bushfires in Queensland, the Department of Environment and Science (DES) has been funded to significantly expand air quality monitoring with additional PM_{2.5} (particles less than 2.5 micrometres in diameter) monitoring throughout the State over the next two years. The aim is to better inform the public with health advice and provide more locally relevant, real-time information for communities exposed to bushfire smoke. This will protect Queenslanders and industries creating jobs by providing detailed information to make informed decisions.

We are now seeking input from stakeholders to inform and guide the best possible locations for the expanded bushfire smoke monitoring network.

An initial analysis of gaps in the current network coverage adjacent to population or growth zones have been used to identify potential locations for the expanded network.

Stakeholder input on the proposed expanded network is sought to ensure:

- optimal provision of additional measurement data to inform public health advice
- new locations cover those communities subject to a higher frequency of smoke exposure events (including other sources of smoke such as hazard-reduction burning and agriculture, as well as bushfires)
- maximum benefit for other air quality programs or information needs of stakeholders.

Information on the level of assistance that stakeholder organisations could provide towards the establishment and ongoing maintenance of new monitoring sites, particularly locations outside of South East Queensland, will also be considered in this design phase.

Background

Exposure to bushfire smoke has the potential to cause health impacts, particularly for people with pre-existing respiratory systems^{1,2}.

Early detection of particle levels and real-time access to the data will help Queenslanders to manage these risks. The data from the increased air quality monitoring and allied information delivery will also allow Queensland Health to provide more targeted public health advice.

The recent Royal Commission into National Natural Disaster Arrangements (RCNDA) report³ concluded that expanding air quality networks would enhance community awareness and assist individuals and communities to take preventative steps to limit the negative health impacts of poor air quality.

In order to enhance the delivery of air quality information underpinning health protection advice provided to government agencies, industries, organisations and the general public during poor air quality episodes, the Air Quality Monitoring Unit within DES has received funding to significantly expand the existing Queensland ambient air quality monitoring network over the period 2021 to 2023, with a particular focus on bushfire smoke impacts.

Objectives

The primary objective of the ambient air quality network expansion is to provide additional information on public exposure to fine particles during bushfire smoke events. This will be achieved through a significant increase in the number and geographical coverage of PM_{2.5} monitoring instruments in residential community locations.

Where complementary to the above primary objective, other stakeholder objectives and information needs will be considered in the design



Queensland
Government

phase on the location of new monitoring equipment. For example, subsidiary objectives could include National Environment Protection Measure reporting, industrial facility / agricultural activity impact monitoring, or baseline information for policy development.

Planned PM_{2.5} network expansion

Expansion of the Queensland PM_{2.5} monitoring network will comprise the following elements:

- Maintenance of the 18 existing [DES PM_{2.5} monitoring sites](#)⁴.
- Installation of PM_{2.5} monitors at six existing DES air monitoring stations where PM_{2.5} is not currently monitored (five stations in South East Queensland and one station in Mount Isa).
- Establishment of seven new PM_{2.5} monitoring stations (two stations will also monitor gaseous pollutants as well as particles) in population centres currently without any monitoring presence.
- Establishment of a network of low cost PM_{2.5} monitors ('smoke sensors') to provide an indicative measure of smoke exposure in at least a further 50 community locations throughout the State.

Network expansion timeframe

The current timeframe for the rollout of the expanded PM_{2.5} monitoring network is shown below. The priority locations for new monitoring for the 2021-22 fire season were determined in consultation with key stakeholders Queensland Fire and Emergency Services and Queensland Health in May 2021. These priority locations are outlined below.

2021-22 fire season:

- Six existing DES monitoring stations upgraded (*five SEQ sites and Mount Isa site upgraded*)
- Four new PM_{2.5} monitoring stations established (*priority locations: Ayr, Deagon (northern Brisbane suburbs), Toowoomba, Maryborough (still to be installed)*)
- Ten smoke sensor sites installed and operational (*priority locations: Rockhampton, Bundaberg, Beerwah, Caboolture, Upper Kedron, Moggill, Forest Lake, Cleveland, Jacobs Well, Burleigh Heads*).

2022-23 fire season:

- Further three new PM_{2.5} monitoring stations established (*locations: Cairns, Rockhampton, Nambour*)
- Further 30 smoke sensor sites operational

2023-24 fire season:

- Remaining smoke sensor sites operational

Siting considerations

When choosing locations for the new monitoring stations and smoke sensors, the following minimum requirements will be taken into consideration:

- within a residential area, or indicative of typical residential community exposure
- to the extent practical, compliance with the siting requirements of Australian Standard AS 3580.1.1 (e.g. minimum distances from buildings / trees, clear sky angle of 120°)
- access to mains power at an affordable cost (smoke sensors typically do not require mains power)
- site security (public safety, low likelihood of vandalism / interference)
- 4G mobile data coverage
- locations with the potential for site tenure of 10 years or more (such as publicly-owned properties), especially for the new stations.

Evaluation criteria

Following completion of this consultation process, all input will be reviewed and a final decision made on the expanded network locations against the following evaluation criteria (listed in priority order):

- population coverage
- likelihood / history of smoke impacts
- representative of typical community exposure
- distance from other existing / planned monitoring
- siting considerations
- ongoing maintenance considerations
- benefits for other information needs

Expanded network locations – population-based

As a starting point for discussion, an initial determination of possible monitoring locations has been conducted based on population (2016 census data). Table 1 provides a summary of an expanded Queensland monitoring network based on towns with a population in excess of 3,000⁵.

Additional details on air quality monitoring sites, both existing and proposed, are provided in the Appendix of this discussion paper, including rationale and location maps.

Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Table 1: Existing (in bold) and proposed PM_{2.5} monitoring station / smoke sensor locations

Location	DES-operated	Industry-operated	Existing	Upgrade	New	Smoke sensor
Brisbane region						
Brisbane CBD	✓		✓			
Cannon Hill	✓		✓			
Cleveland (E suburbs)	✓					✓
Deagon (N suburbs)	✓				✓	
Upper Kedron (NW suburbs)	✓					✓
Moggill (W suburbs)	✓					✓
Lytton		✓	✓			
Rocklea	✓	✓	✓			
South Brisbane	✓	✓	✓			
Woolloongabba	✓	✓	✓			
Wynnum		✓	✓			
Wynnum West		✓	✓			
Ipswich region						
Boonah						✓
Flinders View	✓			✓		
Forest Lake	✓					✓
Lowood						✓
Mutdapilly	✓			✓		
Plainland						✓
Redbank Plains						✓
Logan – Beaudesert region						
Beaudesert						✓
Beenleigh						✓
North Maclean	✓			✓		
Springwood	✓		✓			
Gold Coast region						
Jacobs Well	✓					✓
Burleigh Heads	✓					✓
Southport	✓		✓			
Tamborine Mountain						✓
Moreton Bay region						
Caboolture	✓					✓
Deception Bay	✓			✓		
Kilcoy						✓
Sunshine Coast region						
Beerwah	✓					✓
Caloundra						✓
Cooroy						✓
Maleny						✓
Mountain Creek	✓			✓		
Nambour					✓	
Noosa						✓
Toowoomba region						
Gatton						✓
Highfields						✓
Rangeville	✓					✓
Toowoomba	✓				✓	

Location	DES-operated	Industry-operated	Existing	Upgrade	New	Smoke sensor
Darling Downs – Maranoa region						
Dalby						✓
Goondiwindi						✓
Hopeland (Chinchilla)		✓	✓			
Miles Airport (Miles)		✓	✓			
Oakey						✓
Pittsworth						✓
Roma						✓
Stanthorpe						✓
Warwick						✓
Wide Bay region						
Bundaberg						✓
Cooloola Village						✓
Gayndah						✓
Gympie						✓
Hervey Bay						✓
Kingaroy						✓
Maryborough					✓	
Central Queensland region						
Biloela						✓
Blackwater	✓		✓			
Boat Creek	✓		✓			
Boyne Island	✓		✓			
Clinton	✓		✓			
Emerald	✓		✓			
Gracemere						✓
Parkhurst	✓					✓
Rockhampton					✓	
South Gladstone	✓		✓			
Targinie	✓		✓			
Yeppoon						✓
Mackay – Isaac – Whitsunday region						
Bowen						✓
Mackay	✓		✓			
Marian						✓
Moranbah (2 stations)	✓		✓			
Proserpine						✓
Sarina						✓
Townsville region						
Ayr					✓	
Charters Towers						✓
Ingham						✓
Kirwan						✓
North Ward	✓		✓			
Stuart						✓
Cairns region						
Atherton						✓
Cairns					✓	
Gordonvale						✓
Innisfail						✓
Mareeba						✓
Mossman						✓

Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Location	DES-operated	Industry-operated	Existing	Upgrade	New	Smoke sensor
Queensland Outback region						
Charleville						✓
Longreach						✓
Mount Isa	✓			✓		
Weipa						✓
Total locations			22	6	7	56

It is recognised that some changes to expanded network locations as initially agreed may be needed in response to emerging situations encountered during the network rollout. This is designed to maximise the benefit of the enhanced air monitoring network for Queensland.

Stakeholder input

Stakeholder input being sought includes, but is not limited to:

- Input regarding the suitability of the proposed additional monitoring locations to inform public health advice (geographical coverage, conventional monitoring instrument versus smoke sensor, etc).
- Identification of other locations known to be subject to frequent smoke impacts where monitoring is considered to be required.
- Advice on specific areas within priority locations where the placement of smoke sensors would complement other information needs.
- Priority order for new monitoring equipment deployment.
- In locations where new monitoring is proposed, assistance with identification of properties where monitoring equipment could be located and site contacts, particularly any suitable publicly-owned sites.
- Availability of local agency staff to assist with site establishment (e.g. liaison with site owners and local contractors) and/or ongoing routine maintenance of monitoring equipment (expected to be minimal in the case of the smoke sensors), particularly for locations outside of South East Queensland.

¹ Office of Health Protection, Australian Government Department of Health, *Bushfire smoke and health: Summary of the current evidence*. Accessed from [https://www1.health.gov.au/internet/main/publishing.nsf/Content/A12B57E41EC9F326CA257BF0001F9E7D/\\$File/Bushfire-smoke-health-Summary-current-evidence.pdf](https://www1.health.gov.au/internet/main/publishing.nsf/Content/A12B57E41EC9F326CA257BF0001F9E7D/$File/Bushfire-smoke-health-Summary-current-evidence.pdf)

² Clare M. Walter, Elena K. Schneider-Futschik, Luke D. Knibbs, and Louis B. Irving, "Health impacts of bushfire smoke exposure in Australia", *Respirology* (2020) **25**, 495–501. Accessed from <https://doi.org/10.1111/resp.13798>.

³ Final report available from <https://naturaldisaster.royalcommission.gov.au/>.

⁴ In addition, six industry-operated PM_{2.5} monitoring sites also currently report PM_{2.5} measurements via the DES near-real time air quality webpage (<https://apps.des.qld.gov.au/air-quality/>).

⁵ The regional breakdown used is based on the Statistical Areas Level 4 regions from the Australian Statistical Geography Standard (Australian Bureau of Statistics publication 1270.0.55.001).

Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Appendix: Proposed PM_{2.5} monitoring stations**Table 2:** Proposed PM_{2.5} monitoring station / smoke sensor locations

City / town	2016 population ('000s)	Existing PM _{2.5} monitoring station	Existing station PM _{2.5} upgrade	New monitoring station	Smoke sensor	Comments
Brisbane statistical areas						
Brisbane	1,200	Brisbane CBD Cannon Hill <i>Lytton</i> Rocklea South Brisbane Woolloongabba <i>Wynnum</i> <i>Wynnum West</i>		<i>Deagon</i> <i>(installed July 2021)</i>	<i>Upper Kedron</i> <i>(installed October 2021)</i> <i>Moggill</i> <i>(installed October 2021)</i> <i>Cleveland</i> <i>(installed January 2022)</i>	<i>Deagon</i> – located halfway between Brisbane CBD and Deception Bay stations <i>Upper Kedron</i> – NW suburbs <i>Moggill</i> – W suburbs <i>Cleveland</i> – E suburbs <i>S suburbs</i> – covered by Springwood monitoring station
Ipswich statistical area						
Ipswich	95		<i>Flinders View</i> <i>(upgraded February 2021)</i>			AAQ NEPM reporting station Need for a smoke sensor in Ipswich northern suburbs as well?
Redbank Plains / Springfield / Goodna	87				Redbank Plains	Local AQ issues associated with Swanbank Industrial Estate facility emissions.
Inala / Richlands / Forest Lake / Doolandella	48				<i>Forest Lake</i> <i>(installed March 2022)</i>	Indicative of Brisbane SW suburbs
Kensington Grove / Regency Downs / Laidley	8				Plainland	Plainland in centre of populated areas.
Lowood / Fernvale	6				Lowood	
Boonah	3				Boonah	
Rosewood	2		<i>Mutdapilly</i> <i>(upgraded February 2021)</i>			Mutdapilly station located 14km SSE of Rosewood
Logan-Beaudesert statistical area						
Logan Central / Kingston / Springwood / Daisy Hill	75	Springwood				AAQ NEPM reporting station
Beenleigh / Eagleby / Loganholme / Mount Warren Park	40				Beenleigh	
Browns Plains / Marsden / Crestmead	35					Springwood monitoring station measurements would provide indicative particle levels
Jimboomba / Cedar Vale / Logan Village / Yarrabilba	19		<i>North Maclean</i> <i>(upgraded February 2021)</i>			North Maclean monitoring station measurements would provide indicative particle levels
Beaudesert	6				Beaudesert	
Gold Coast statistical area						
Gold Coast	541	Southport			<i>Burleigh Heads</i> <i>(installed October 2021)</i>	<i>Southport</i> – representative of central Gold Coast <i>Robina</i> – representative of southern Gold Coast
Coomera / Pimpama	55				<i>Jacobs Well</i> <i>(installed October 2021)</i>	Also representative of northern Gold Coast
Ormeau / Yatala	22					Beenleigh measurements would provide indicative particle levels
Tamborine Mountain	7				Tamborine Mountain	

Monitoring stations shown in italics are industry-operated stations reporting via the Queensland Government air quality webpage. Rows shaded in gold are towns with a 2016 population between 2,000 and 3,000.

Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

City / town	2016 population ('000s)	Existing PM _{2.5} monitoring station	Existing station PM _{2.5} upgrade	New monitoring station	Smoke sensor	Comments
Moreton Bay statistical area						
Redcliffe / North Lakes / Deception Bay	92		Deception Bay <i>(upgraded February 2021)</i>			
Caboolture / Morayfield	65				Caboolture <i>(installed October 2021)</i>	
Kallangur / Lawnton / Strathpine	53					Deagon and Deception Bay measurements would provide indicative particle levels
Beachmere / Sandstone Point – Ningi / Bribie Island	31					Caboolture and Deception Bay measurements would provide indicative particle levels
Kilcoy	5				Kilcoy	
Woodford	3					Kilcoy and Caboolture measurements would provide indicative particle levels
Samford Valley / Highvale	2					Upper Kedron measurements would provide indicative particle levels
Sunshine Coast statistical area						
Sunshine Coast	251		Mountain Creek <i>(upgraded February 2021)</i>		Caloundra Noosa	<i>Caloundra</i> – southern Sunshine Coast <i>Mountain Creek</i> – central Sunshine Coast <i>Noosa</i> – northern Sunshine Coast
Nambour	18			Nambour		
Glasshouse Mountains / Beerwah / Landsborough	16				Beerwah <i>(installed January 2022)</i>	
Mooloolah / Palmwoods	9					Nambour and Mountain Creek measurements would provide indicative particle levels
Cooroy	4				Cooroy	
Maleny	4				Maleny	
Mooloolah Valley	3					Beerwah measurements would provide indicative particle levels
Toowoomba statistical area						
Toowoomba	100			Toowoomba <i>(installed December 2021)</i>	Rangeville <i>(installed October 2021)</i>	Toowoomba - AAQ NEPM reporting station
Highfields / Gowrie Junction / Meringandan West	14				Highfields	
Gatton	6				Gatton	
Westbrook	3					Toowoomba monitoring station may provide indicative particle levels
Darling Downs – Maranoa statistical area						
Warwick	14				Warwick	
Dalby	12				Dalby	
Roma	7				Roma	
Chinchilla	6	<i>Hopeland</i>				Hopeland station located 14km SE of Chinchilla
Goondiwindi	6				Goondiwindi	
Stanthorpe	5				Stanthorpe	
Oakey	4				Oakey	
Pittsworth	3				Pittsworth	
Tara	2	<i>Upper Humbug</i> <i>(station closed December 2021)</i>				Upper Humbug station was located 17km N of Tara
Miles	2	<i>Miles Airport</i>				Miles Airport station located 17km S of Miles
St George	2					

Monitoring stations shown in italics are industry-operated stations reporting via the Queensland Government air quality webpage. Rows shaded in gold are towns with a 2016 population between 2,000 and 3,000.

Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

City / town	2016 population ('000s)	Existing PM _{2.5} monitoring station	Existing station PM _{2.5} upgrade	New monitoring station	Smoke sensor	Comments
Wide Bay statistical area						
Bundaberg / Bagara / Burnett Heads / Moore Park	66				Bundaberg (installed June 2022)	Possible impacts from agricultural activities (sugar cane, small crops)
Hervey Bay / Toogoom	54				Hervey Bay	
Maryborough / Oakhurst	24			Maryborough		AAQ NEPM reporting station Possible impacts from agricultural activities (sugar cane) and forestry
Gympie	18				Gympie	
Kingaroy	10				Kingaroy	
Gayndah / Mundubbera	7				Gayndah	
Cooloola Village / Tin Can Bay	5				Cooloola Village	
Nanango	3					Kingaroy measurements may provide indicative particle levels
Murgon	2					
Central Queensland statistical area						
Rockhampton	61			Rockhampton	Parkhurst (installed September 2021)	Rockhampton - AAQ NEPM reporting station
Gladstone / Boyne Island / Tannum Sands / Calliope	46	Boyne Island South Gladstone Clinton Boat Creek Targinie				
Yeppoon / Emu Park	21				Yeppoon	
Emerald	14	Emerald				
Gracemere	11				Gracemere	Rockhampton monitoring station may provide indicative particle levels
Biloela	6				Biloela	
Blackwater	5	Blackwater				
Mount Morgan	2					
Mackay – Isaac – Whitsunday statistical area						
Mackay	76	West Mackay				
Airlie Beach	9					Priority to locate at Proserpine due to likely additional impacts from agricultural sources. Airlie Beach measurements expected to be similar to or lower than Proserpine.
Bowen	9				Bowen	
Moranbah	8	Moranbah (Utah Drive) Moranbah (Cunningham Way)				
Marian / Walkerston	6				Marian	Possible impacts from agricultural activities (sugar cane)
Proserpine	3				Proserpine	Possible impacts from agricultural activities (sugar cane)
Sarina	3				Sarina	Possible impacts from agricultural activities (sugar cane)
Dysart	2					
Clermont	2					

Rows shaded in gold are towns with a 2016 population between 2,000 and 3,000.

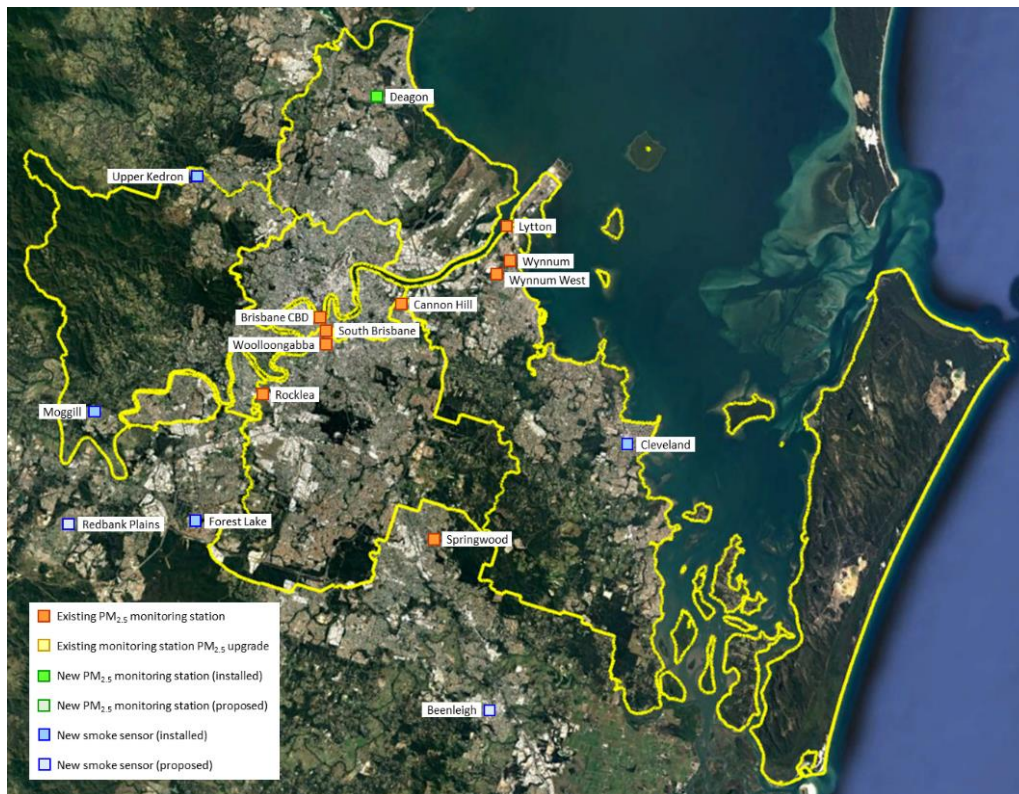
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

City / town	2016 population ('000s)	Existing PM _{2.5} monitoring station	Existing station PM _{2.5} upgrade	New monitoring station	Smoke sensor	Comments
Townsville statistical area						
Townsville / Thuringowa	171	North Ward			Kirwin Stuart	<i>North Ward</i> – eastern suburbs <i>Stuart</i> – southern suburbs <i>Kirwin</i> – western suburbs
Ayr / Home Hill	11			Ayr <i>(installed June 2021)</i>		Ayr – known impacts from agricultural activities (sugar cane burning), record of community complaints about smoke
Charters Towers	8				Charters Towers	
Ingham	4				Ingham	Possible impacts from agricultural activities (sugar cane)
Palm Island	2					
Cairns statistical area						
Cairns	145			Cairns		AAQ NEPM reporting station
Mareeba	8				Mareeba	
Innisfail	7				Innisfail	
Atherton	7				Atherton	
Gordonvale	6				Gordonvale	Possible impacts from agricultural activities (sugar cane)
Port Douglas	5				Mossman	<i>Mossman</i> – locate here rather than Port Douglas due to record of community complaints from sugar mill emissions. Mossman levels should be indicative of upper range of Port Douglas levels.
Yarrabah	3					Cairns measurements would provide indicative particle levels
Kuranda	2					
Tully	2					
Queensland Outback statistical area						
Mount Isa	18		The Gap <i>(upgraded May 2021)</i>			AAQ NEPM reporting station
Weipa	4				Weipa	
Thursday Island	3					To confirm smoke impacts to justify monitoring on Thursday Island
Longreach	3				Longreach	
Charleville	3				Charleville	
Cloncurry	2					

Rows shaded in gold are towns with a 2016 population between 2,000 and 3,000.

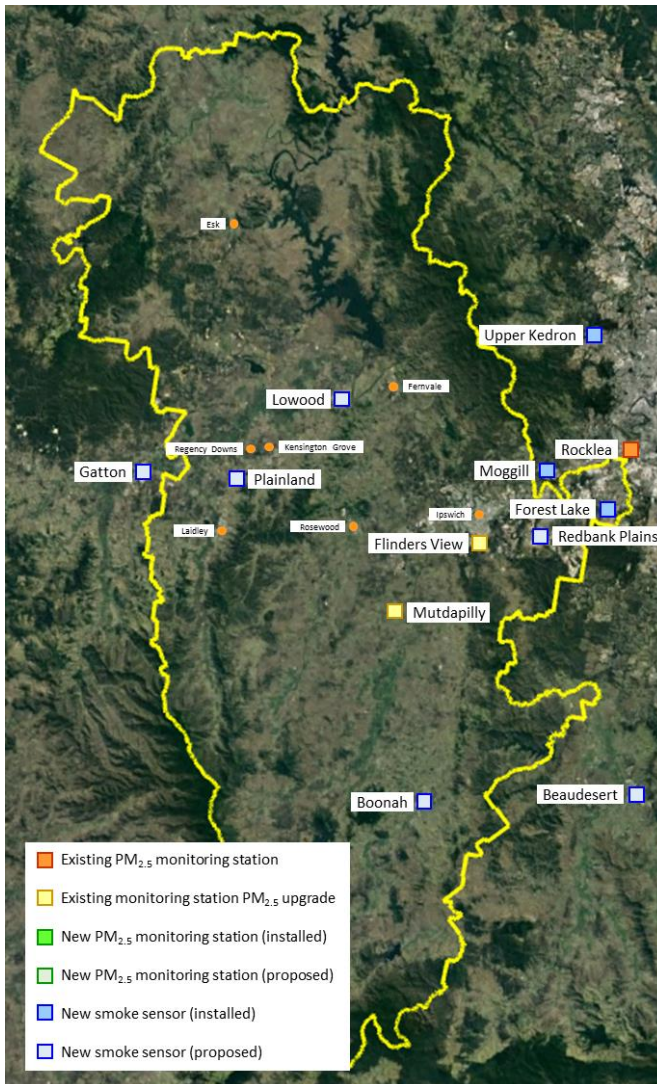
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 1: Existing and proposed PM_{2.5} monitoring locations in Brisbane Statistical Districts



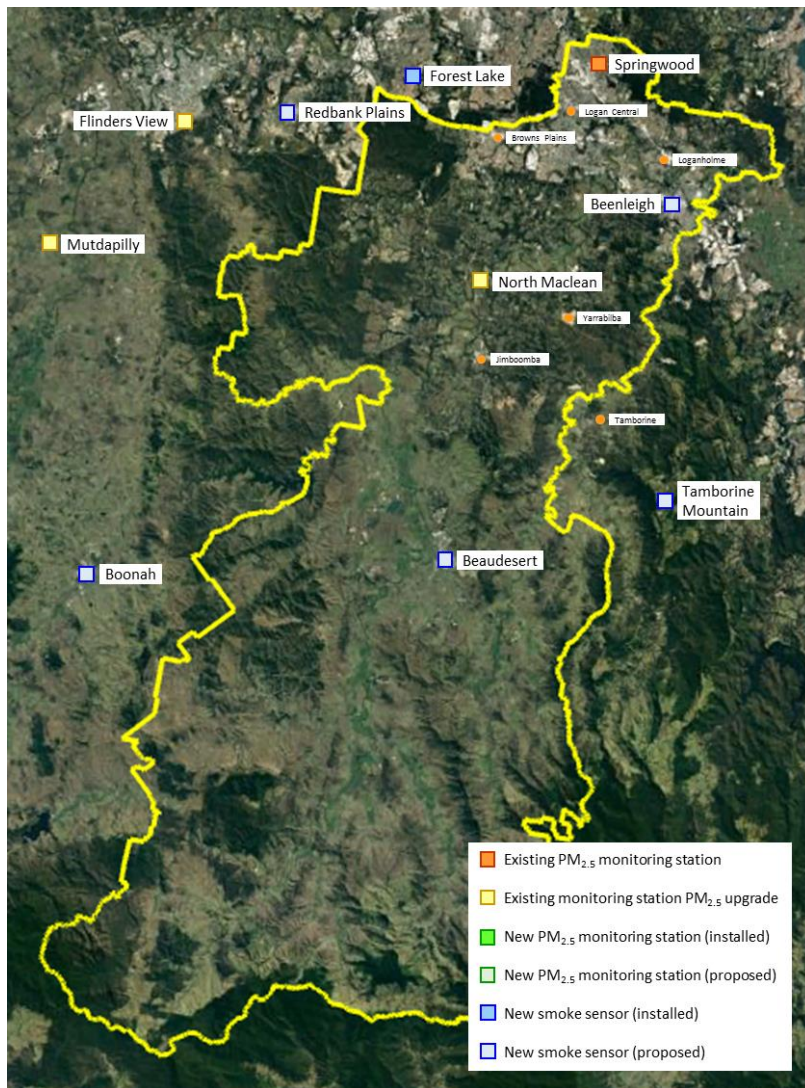
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 2: Existing and proposed PM_{2.5} monitoring locations in Ipswich Statistical District



Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 3: Existing and proposed PM_{2.5} monitoring locations in Logan - Beaudesert Statistical District



Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 4: Existing and proposed PM_{2.5} monitoring locations in Gold Coast Statistical District



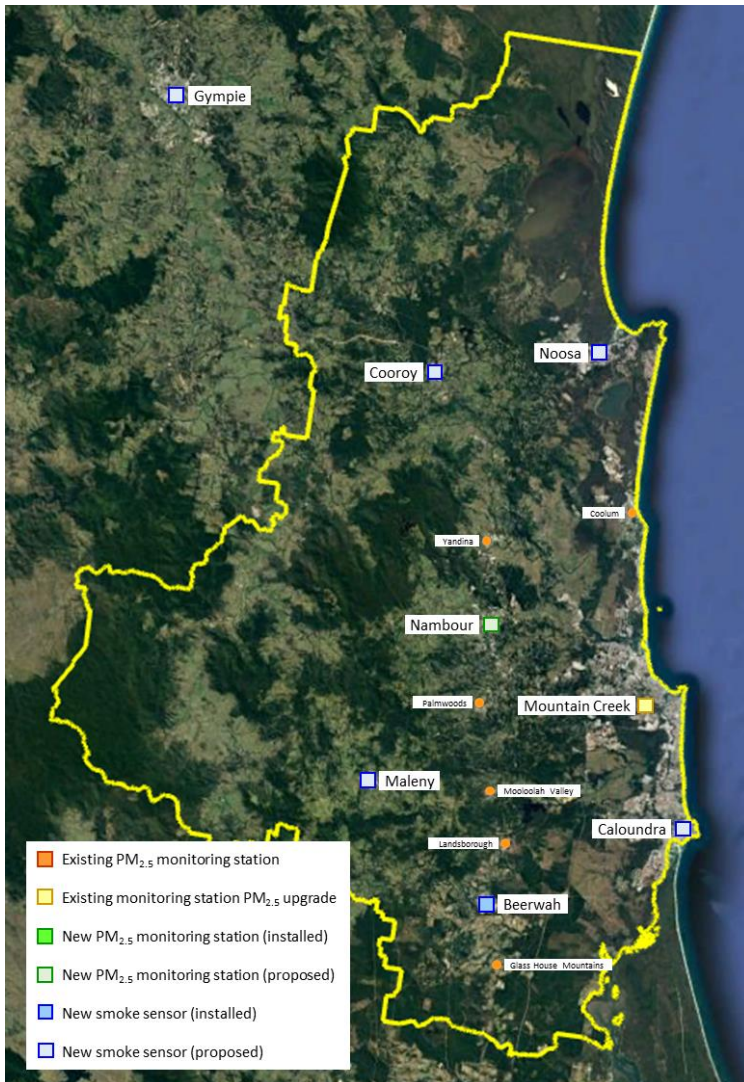
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Figure 5: Existing and proposed PM_{2.5} monitoring locations in Moreton Statistical Districts



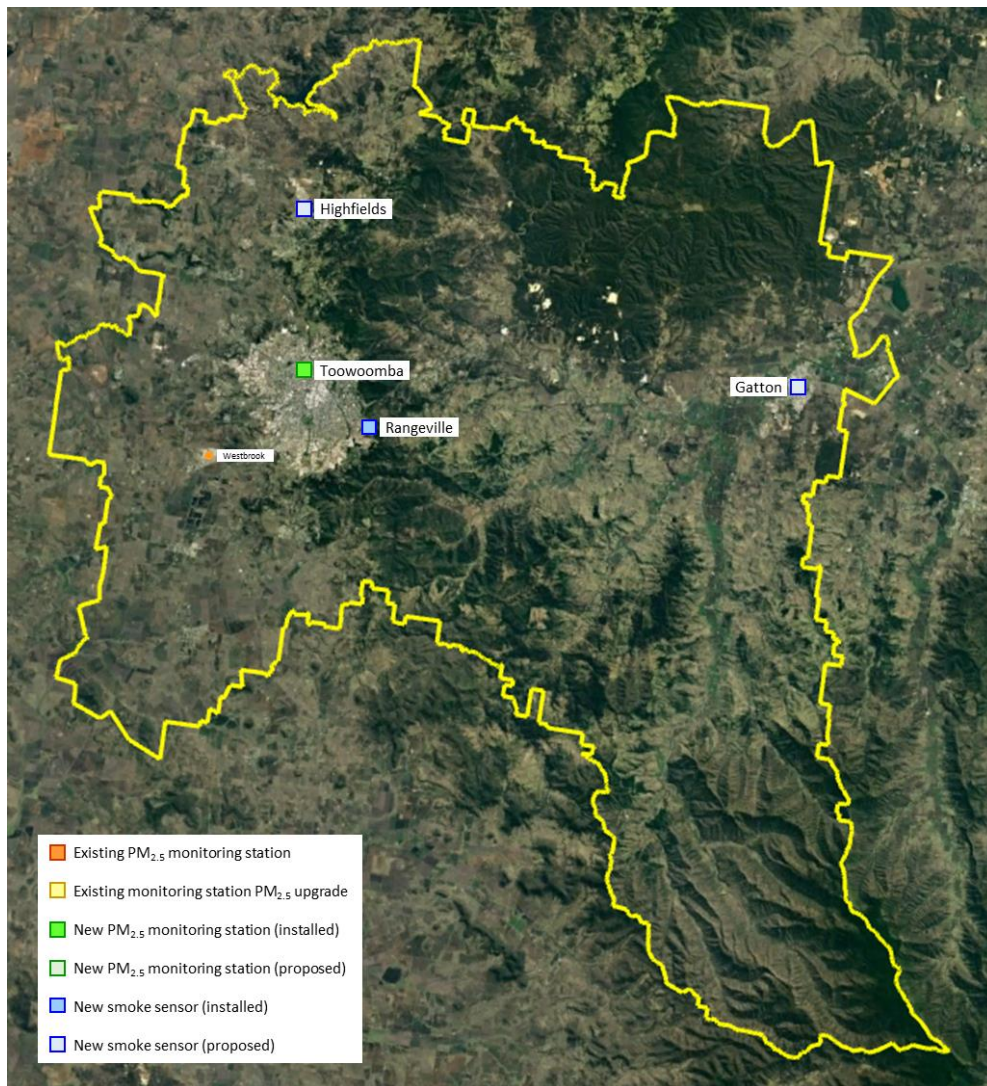
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 6: Existing and proposed PM_{2.5} monitoring locations in Sunshine Coast Statistical District



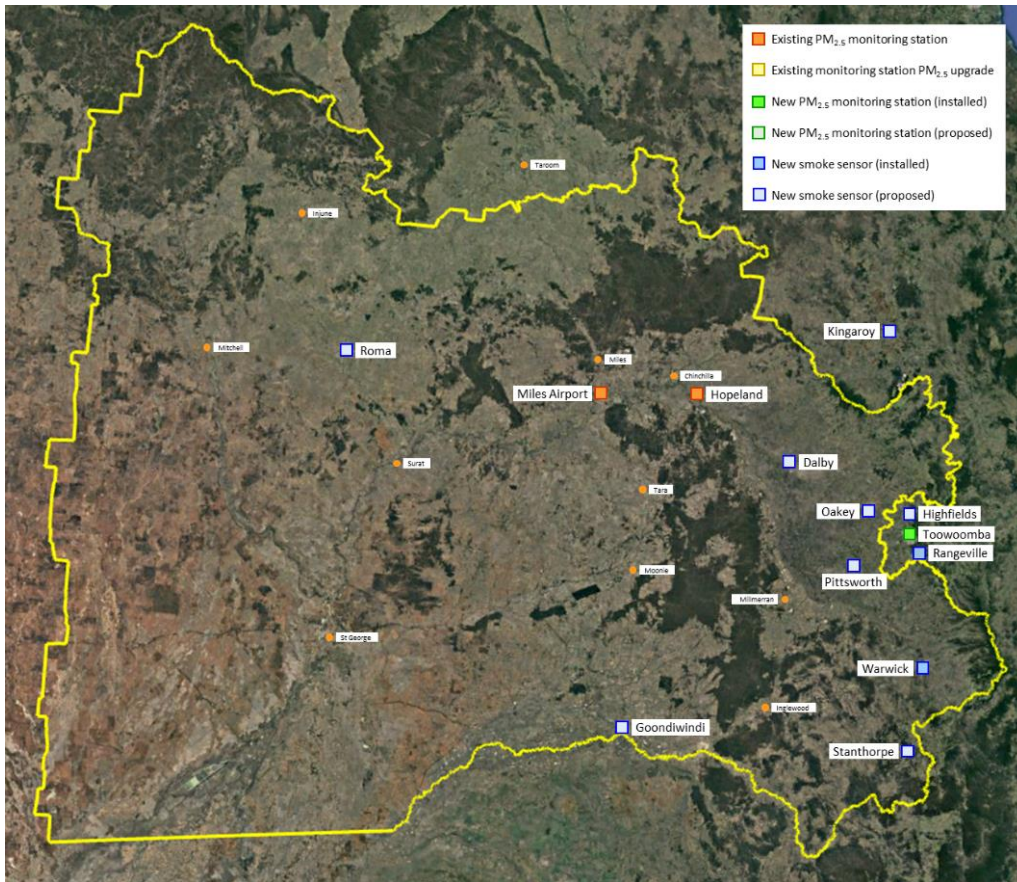
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Figure 7: Proposed PM_{2.5} monitoring locations in Toowoomba Statistical District



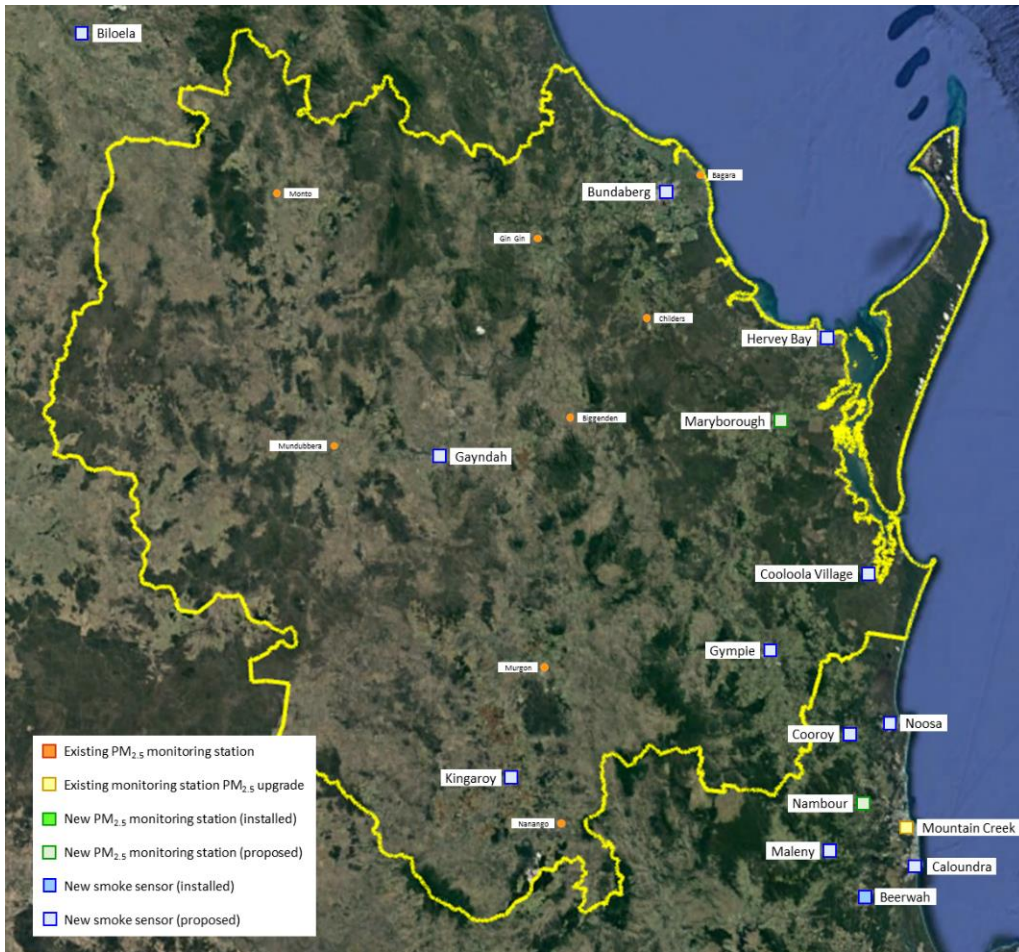
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Figure 8: Existing and proposed PM_{2.5} monitoring locations in Darling Downs - Maranoa Statistical District



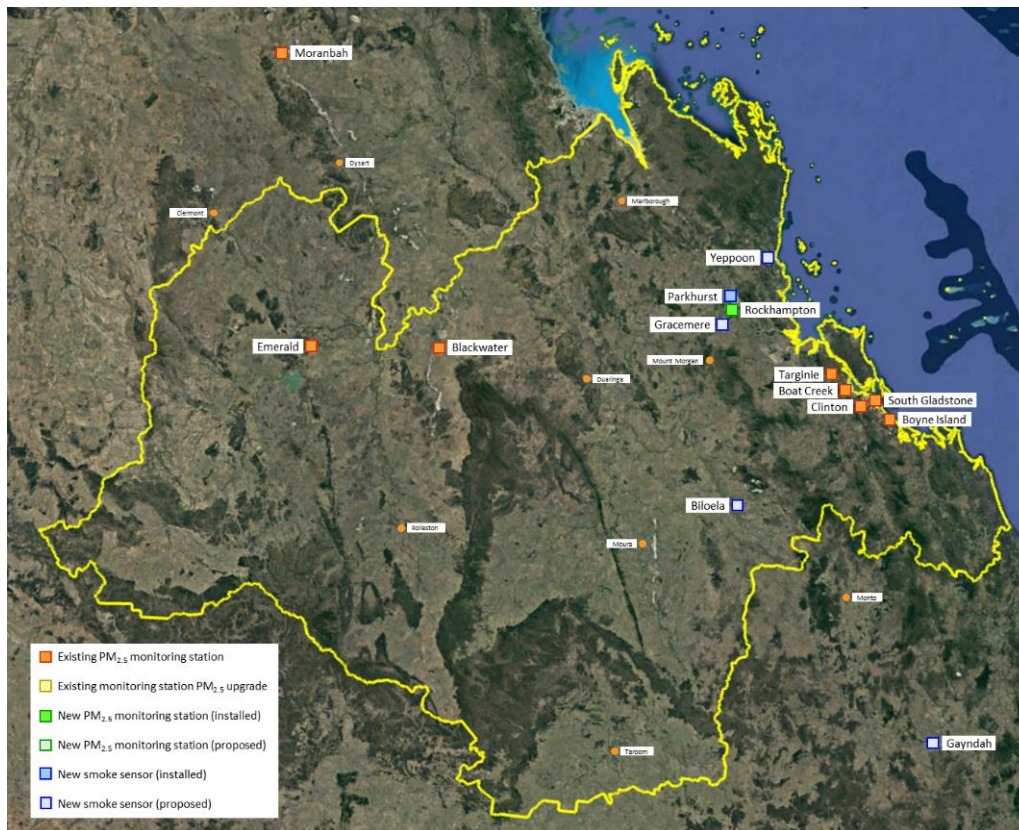
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 9: Proposed PM_{2.5} monitoring locations in Wide Bay Statistical District



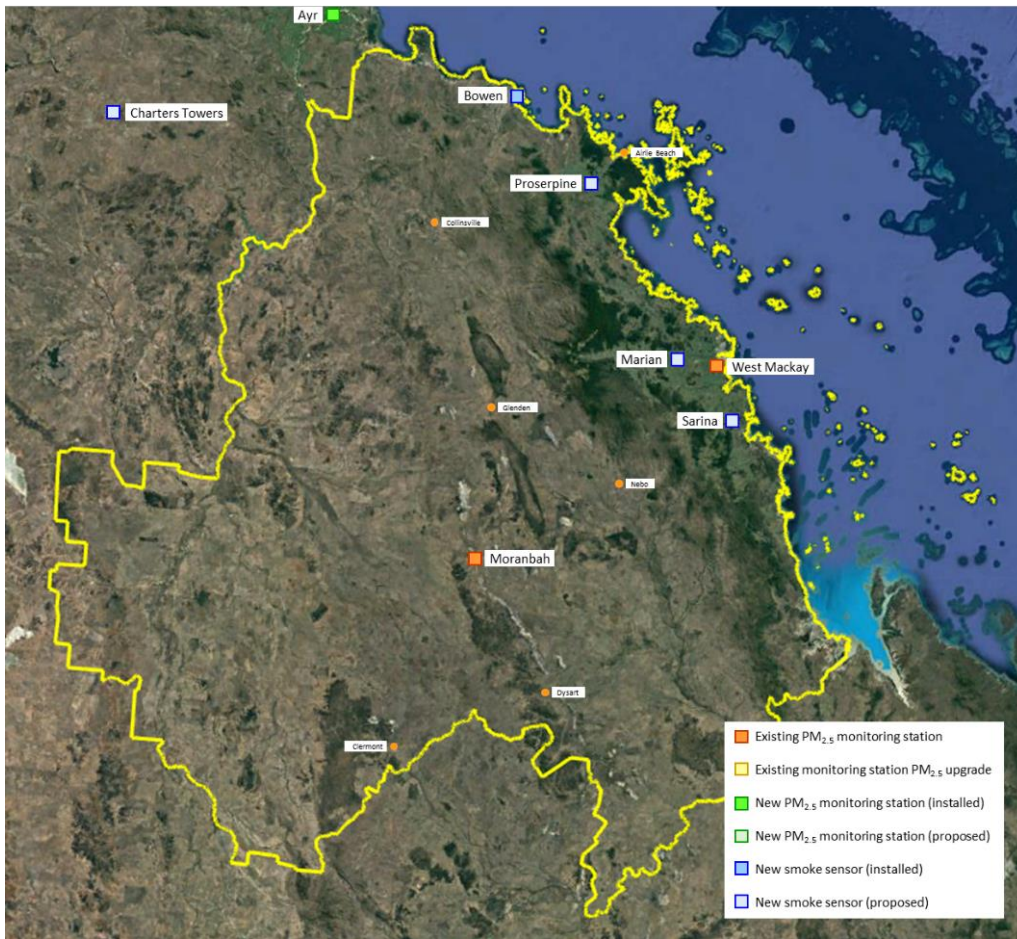
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 10: Existing and proposed PM_{2.5} monitoring locations in Central Queensland Statistical District



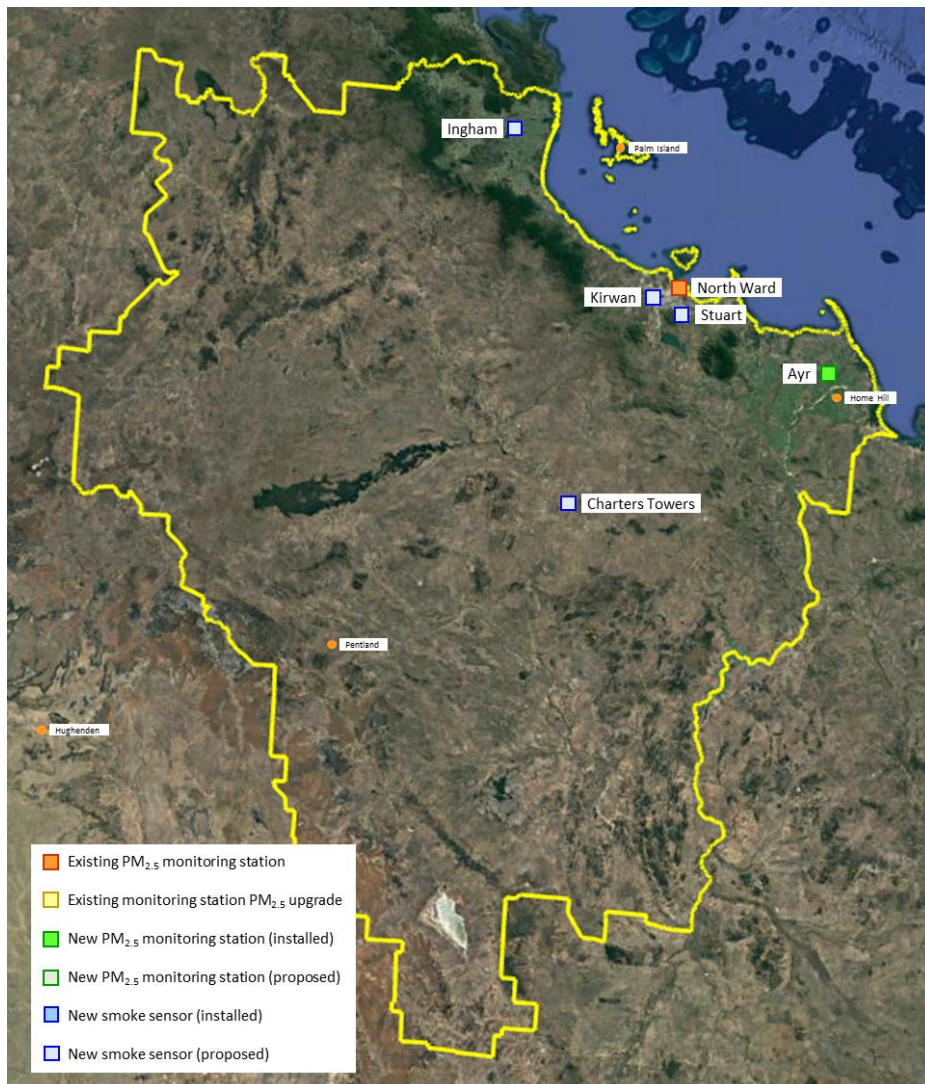
Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 11: Existing and proposed PM_{2.5} monitoring locations in Mackay – Isaac - Whitsunday Statistical District



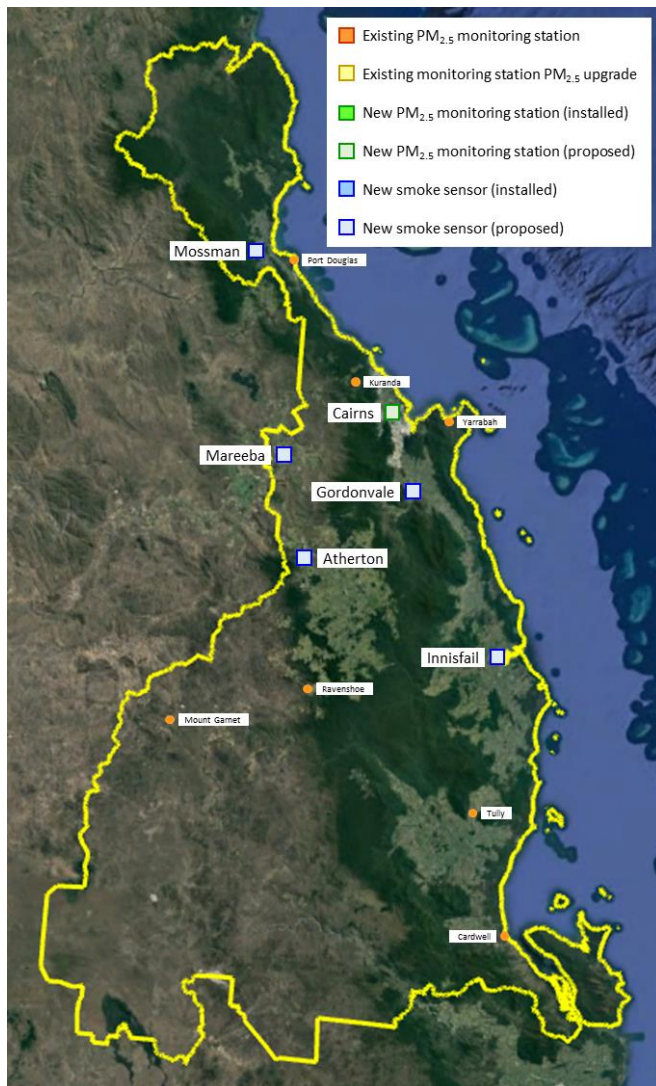
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Figure 12: Existing and proposed PM_{2.5} monitoring locations in Townsville Statistical District



Enhancing Air Quality Information Delivery: Stakeholder Discussion Paper – Expanded Bushfire Smoke Monitoring Network

Figure 13: Proposed PM_{2.5} monitoring locations in Cairns Statistical District



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Figure 14: Existing and proposed PM_{2.5} monitoring locations in Queensland Outback Statistical District

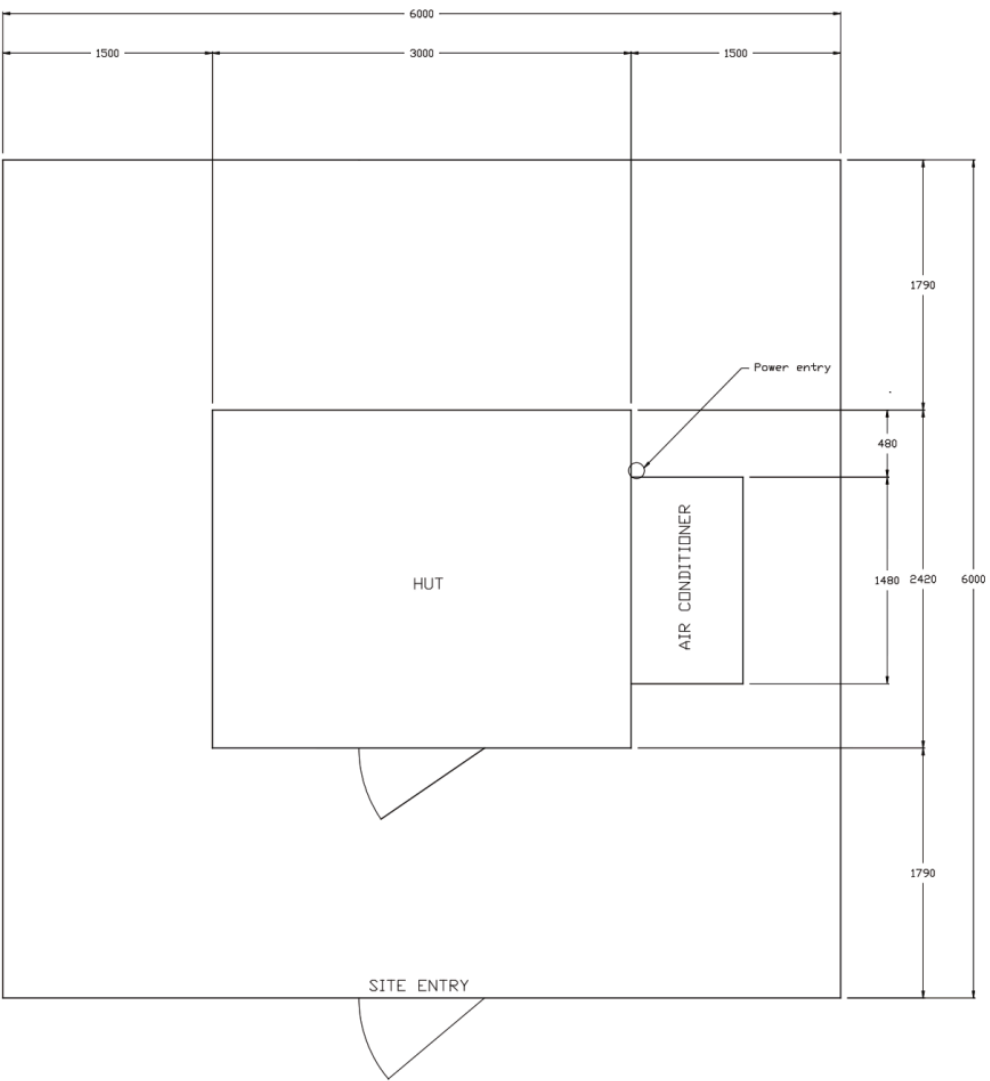


**DEPARTMENT OF ENVIRONMENT AND
SCIENCE - FREEHOLD LAND LEASE
TO SUPPORT AIR QUALITY
MONITORING SITE**

AQM Site Plan View

Meeting Date: 21 March 2023

Attachment No: 3



AQM MONITORING STATION
REV1

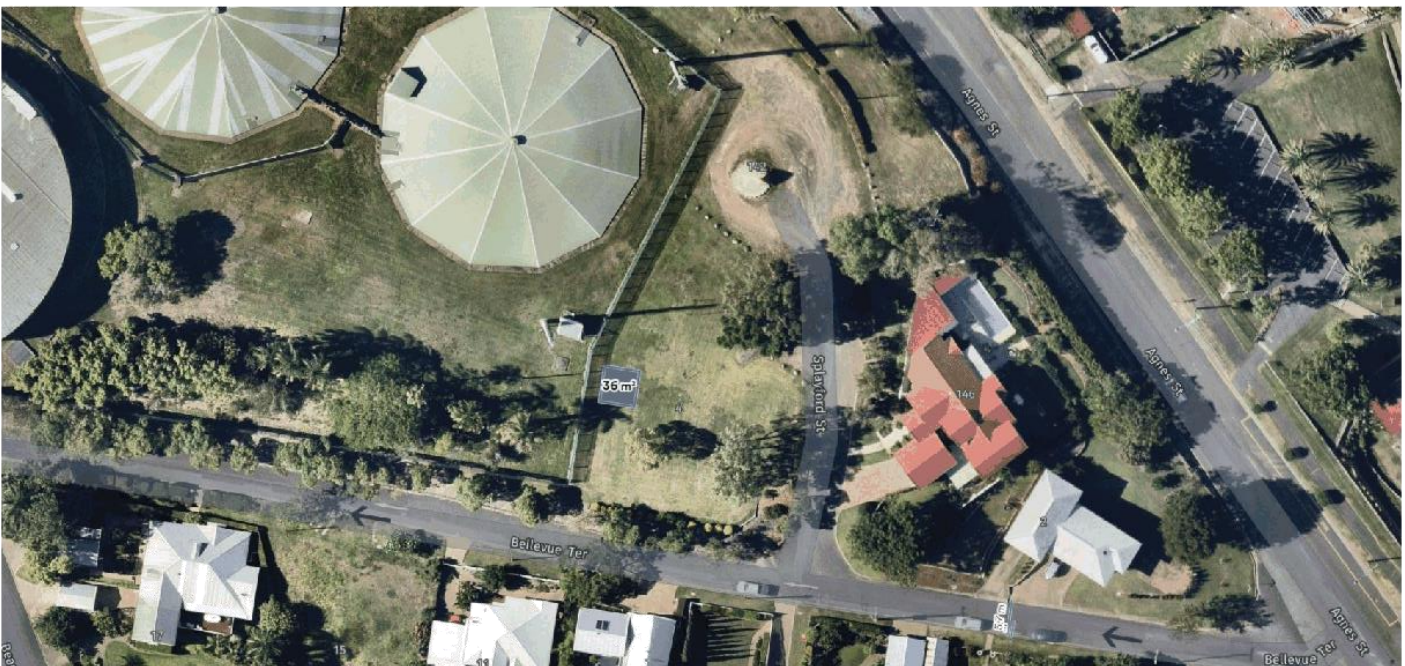
**DEPARTMENT OF ENVIRONMENT AND
SCIENCE - FREEHOLD LAND LEASE
TO SUPPORT AIR QUALITY
MONITORING SITE**

Preferred Air Quality Monitoring Sites

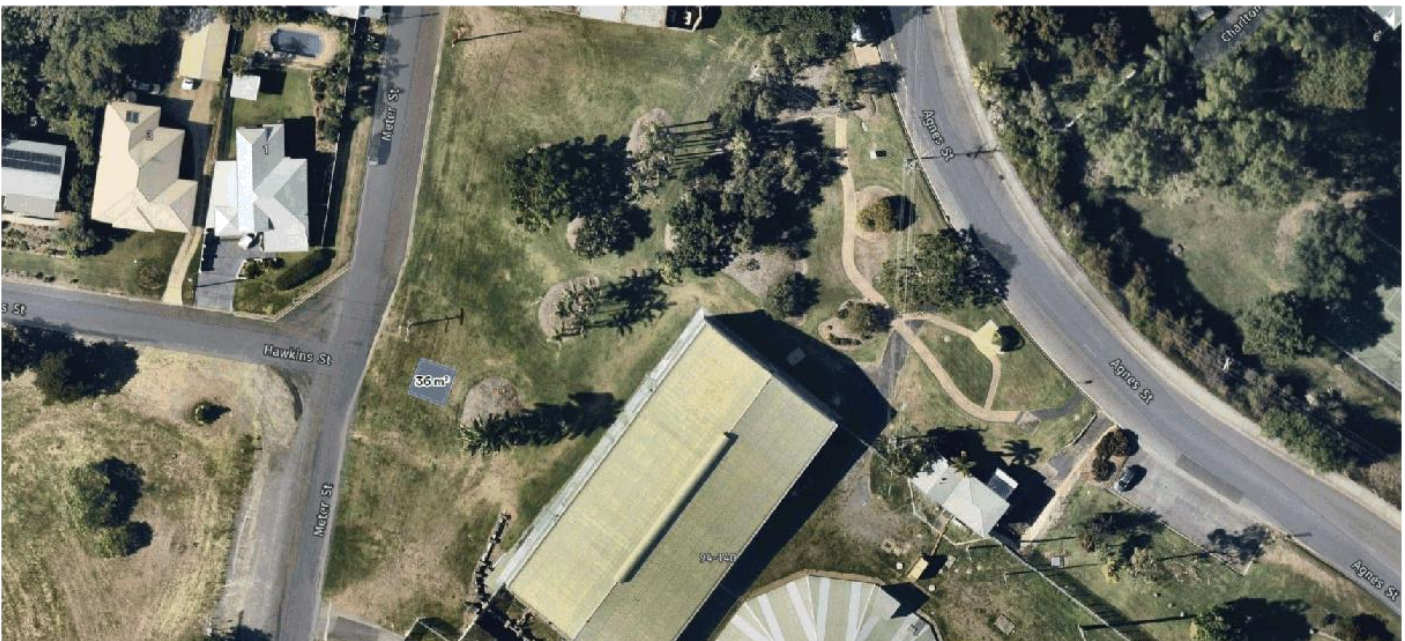
Meeting Date: 21 March 2023

Attachment No: 4

Preferred Air Quality Monitoring Site #1



Preferred Air Quality Monitoring Site #2



11 NOTICES OF MOTION

Nil

12 QUESTIONS ON NOTICE

Nil

13 URGENT BUSINESS/QUESTIONS

Urgent Business is a provision in the Agenda for members to raise questions or matters of a genuinely urgent or emergent nature, that are not a change to Council Policy and can not be delayed until the next scheduled Council or Committee Meeting.

14 CLOSURE OF MEETING