

9 INFRASTRUCTURE SERVICES

9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - DECEMBER 2022

Date Prepared: 10 January 2023

Author: Manager Assets and Projects

Attachments:

1. Capital Works Highlights - December 2022 [↓](#)
2. Capital Works Summary - December 2022 [↓](#)

EXECUTIVE SUMMARY

The purpose of this report is to provide an update on capital works projects undertaken by the Infrastructure Services Department during the month of December 2022.

RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of December 2022.

BACKGROUND

Council's Capital Works program is focussed on renewal and upgrade of Council infrastructure to achieve Council's corporate vision of "A growing, confident and sustainable Shire". The program is funded through a combination of Council's own funding and external grants and subsidies.

RISK IMPLICATIONS

Financial

The capital works program is tracking within budget.

Infrastructure and Assets

Projects included in the current capital works program were identified through Council's Project Prioritisation Tool (PPT) which uses a risk-based, multi-criteria approach to rank projects in order of priority. The PPT is aligned with Council's Long-Term Financial Plan and Asset Management sub-plans, which focus of renewal of existing assets.

FINANCIAL AND RESOURCE IMPLICATIONS

Capital

All capital works are listed in and funded by the 2022/23 Capital Works Program.

LINK TO CORPORATE PLAN

Transport and Council Infrastructure: The provision of quality services and infrastructure for our growing community that is planned and managed using sound asset management principles.

Infrastructure Services Capital Works Report Project Highlights - December 2022



Project Name: Borzi Road - Widen and Seal Ch 40 - 800

Program: Rural Roads

Background

As part of the 2021/22 Capital Works Program a project was adopted to widen and seal a narrow section of Borzi Road, Mutchilba. This road provides access to agricultural properties and a quarry, and the project will cater for increasing heavy traffic and provide safety improvements.

Progress Update

Construction works were completed for this project 16 December 2022 with the application of the two coat bitumen seal. Line marking will occur later in the year in conjunction with other line marking projects.

The existing 6m wide bitumen section has been widened to a sealed width of 8m with drainage infrastructure extended accordingly. In addition to the planned works, a 35m section of failing pavement in the eastern section of Borzi Road was also reinstated.



Borzi Road - Before



Borzi Road - After



Borzi Road - Before



Borzi Road - After

Infrastructure Services Capital Works Report

Project Highlights - December 2022



Project Name: Kauri Creek Bridge Speewah Road - Timber Girder Replacement

Program: Bridges

Background

Routine bridge inspections identified that several timber girders on the Kauri Creek Bridge on Speewah Road were failing and required replacement.

Progress Update

Originally it was planned to replace four (4) timber girders at Kauri Creek Bridge but on further investigation it was determined that all eight (8) girders would need to be replaced.

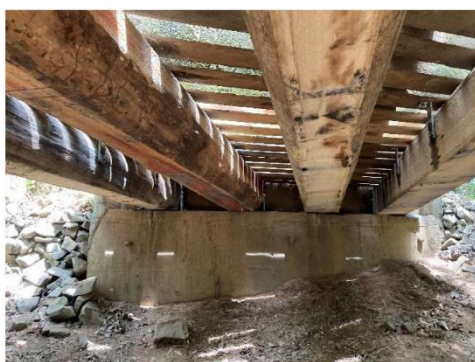
Work commenced 24 November 2022 and was completed on 13 December 2022. Council will now engage a suitably qualified third-party certifier to undertake a load assessment on the completed structure.



Kauri Creek Bridge - Before



Kauri Creek Bridge - After



Newly installed girders



Centre pier

Infrastructure Services Capital Works Report Project Highlights – December 2022



Project Name: Centenary Park Kuranda Playground Upgrade

Program: Parks and Open Spaces

Background

Centenary Park Kuranda serves a dual function for visiting tourists and the local community. The Kuranda Infrastructure Agreement Review 2021 and the Parks and Open Spaces Strategy 2022-2031 identified the playground at Centenary Park Kuranda as a high priority for renewal and improvement to the play features within the playground.

Scope of Works

This project includes the complete demolition and removal of the old playground and replacement with an entire new playground including modernised play equipment and features. The project includes:

- interactive play equipment
- rubberised soft fall surface
- shade sail structure
- lighting for night-time use and security
- shelter, seating, and tables for parents
- removal of the existing playground and shade structure



Centenary Park Kuranda Playground Render

Infrastructure Services Capital Works Report Project Highlights – December 2022



Progress Update

The playground opened to the public in mid-December. Some minor issues are still being finalised with supplier and a new bin has been ordered for installation in January.



Kuranda Centenary Park Playground Climbing Frame



Kuranda Centenary Park Playground Swing

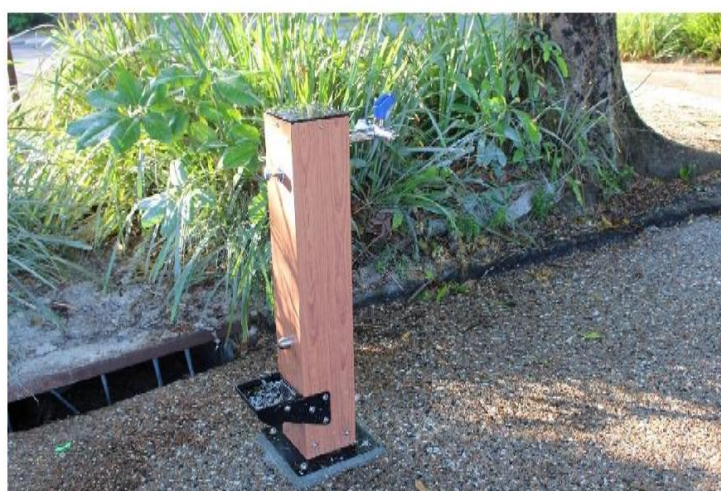
Infrastructure Services Capital Works Report Project Highlights – December 2022



Centenary Park Kuranda Playground Climbing Frame



Centenary Park Kuranda Picnic Shelter



Centenary Park Kuranda Drinking Water Station

Infrastructure Services Capital Works Report Project Highlights – December 2022



Project Name: Mareeba East Park – New Playground and Carpark

Program: Parks and Open Spaces

Background

The Mareeba East Park is identified in the Parks and Open Spaces Strategy as a Catchment Park for the eastern side of Mareeba. The identified site is on the corner of Hastie Road and Karobean Drive, providing a new parkland to over 900 properties in the catchment. A new playground and carpark were identified as the highest immediate priorities for construction. A Master Plan for future works prioritisation and feature placement is scheduled for development in consultation with the community, commencing in early to mid-2023.

Scope of Works

This project includes

- interactive play equipment
- rubberised soft fall surface
- shade sail structure
- lighting for night-time use and security
- shelter, seating, and tables for parents
- off-road car park for safe and easy access to playground
- footpath loop around playground and connections to Karobean Drive and carpark
- irrigation and turf around the playground
- two shade trees within the playground footprint



Mareeba East Catchment Park Playground and Carpark Layout

Infrastructure Services Capital Works Report Project Highlights – December 2022



Progress Update

The playground is now open to the public. Construction of the playground and gravel carpark were completed before Christmas. Some issues with the soft-fall and other minor elements are still being finalised with supplier.

A new bin has been ordered for installation in January and educational play-sized traffic signs (such as Give-Way) have been ordered for the footpath circuit to add further interest for the children. The car park will be sealed and other minor drainage works completed when weather permits.



Mareeba East Park Playground, Footpath and Carpark



Mareeba East Park Climbing Frame

Infrastructure Services Capital Works Report Project Highlights – December 2022



Mareeba East Park Playground Swing



Mareeba East Park Playground Picnic Shelter and Footpath



Mareeba East Park Playground Turf

Infrastructure Services Capital Works Report Project Highlights – December 2022



Project Name: Splash Park

Program: Parks and Open Spaces

Background

Council received \$1.5M funding from the Queensland Government to construct a Splash Park in Mareeba. Council identified that the optimised location for the Splash Park is within the Mareeba Sports and Aquatic Centre. This location allows for the lowest ongoing operational expense to the community and gives visitors a more interactive experience by leveraging the existing Children's Pool and 50m Pool as part of the Splash Park experience.

\$1.5M is funded by the Department of State Development, Infrastructure, Local Government and Planning to provide the Splash Park and upgrades to existing infrastructure at the Mareeba Aquatic Centre. A further \$150,000 of the \$195,075 project cost to install a heating system, is funded by the Active Gameday Projects Fund from the Department of Tourism, Innovation and Sport's (Sport and Recreation). The remaining funds will be contributed by Mareeba Shire Council."

Scope of Work

The facility will be a new zero-depth, zero-height splash play area that will include various unique water spray areas with interactive play elements and shade structures. As part of the upgrade, a heating system will also be installed for the pool and the front entry gardens and pathways will be refreshed.



Mareeba Aquatic Centre Splash Park Render

Infrastructure Services Capital Works Report Project Highlights – December 2022



Progress Update

Construction of the new retaining wall and security fence commenced. The Children's Pool and 50m Pool are both operational and open to the public.



Toddler Pool Decommissioning



Site Clearing for Splash Park

Infrastructure Services Capital Works Report Project Highlights – December 2022



Project Name: Dimbulah Water Treatment Plant – New Chemical Dosing Shed and Equipment

Program: Water

Background

The 2022/23 Capital Works Program included a project for construction of a new chemical dosing shed and equipment at the Dimbulah Water Treatment Plant.

The project is part of Council's commitment to ensure that safe and reliable drinking water is supplied to residents in its reticulated water network. The project also ensures that Council meets its obligations by providing a safe working environment for treatment plant operators as the new shed and dosing equipment meets current engineering standards.

Scope of Works

This scope of work includes:

- Supply of new chemical dosing pumps and associated equipment
- Supply and installation of a new shed to house the equipment

Progress Update

Construction of the shed and connection of the pumps was completed in December with pumps commissioned in early January.



New chemical dosing shed and equipment



Project Description	Project Stage	Comments
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
22/23 Reseal & Asphalt Program	Construction	RPQ returning mid to late January (weather permitting) to complete reseals. Line marking to follow.
BETTERMENT Co-Contribution	Planning	QRA submission provided Dec 23, await negotiations with QRA.
Program: 02 Gravel Resheet		
22/23 Gravel Resheet Program	Construction	Boonmoo Road 60% completed. Mt Mulligan, Sandy Creek & McLeans Bridge Roads completed. Further works to be programmed to commence after wet season.
Program: 03 Urban Streets		
TIDS Rankin/Walsh St Roundabout	Design	Consultant engaged and currently completing Options Study. Stage 2 of the report underway, anticipate receipt prior to end of Jan. Completion of Report anticipated by End of February 23.
Program: 04 Rural Roads		
TIDS Euluma Ck Rd Ch7.01-9.325 Rehab	Construction	2nd coat 10mm seal yet to be completed. Waiting on contractor. TIDS component funding increased to \$715k at November RRTG meeting.
TIDS Euluma Ck Rd Ch 9.350-10.130 Rehab	Procurement	The start date for the project has been pushed back to mid-April 2023 to allow for the construction of curve widening on Springmount Road, which is also a TIDS project that needs to be completed by 2023 FY end.
Borzi Rd Mba Widen & Seal Ch 0.03-0.67	Construction	Project sealed 16/12/2022. Line marking to be installed February 2023 weather permitting.
TIDS Ootann Rd Section 1&2 Widen & Seal	Design	Stage 1 & 2 design underway, anticipate delivery of design end of Feb 23.
TIDS Springmount Rd Widen & Seal	Construction	Project commenced December 2022.
R2R Bilwon Rd Rehab & Culverts	Planning	Survey underway, design to commence.
R2R Wolfram Rd Stage 3 Priority Sections	Procurement	Programmed for February to April 2023.
Program: 05 Bridges		
BRP4 Kanervo Rd Davies Cr Br Rplc Bridge	Completed	Project completed November 2022.
BRP5 Davies Ck Road Bridge Replacement	Completed	Construction complete July 2022 & funding acquitted. Final certification is ongoing.
Granite Ck Mba Replace Footbridge Deck	Procurement	Designs received, works will be programmed for after the completion of Kanervo Road Bridge Upgrade.
Palm Cl Mba Replace Footbridge Boards	Procurement	Designs received, works will be programmed for after the completion of Kanervo Road Bridge.
Bicentennial Lakes F/bridge Safety Upgr	Procurement	Designs received, works will be programmed for after the completion of Kanervo Road Bridge Upgrade.
Kauri Ck Bridge Speewah Rd Repl. Girders	Completed	Project completed December 2022.
Bullaburrah Ck Rd C'way Relieving Slab	Not Commenced	Programmed for March 2023, weather permitting.
Clohesy River Barron St Inspect & Design	On Hold	Draft Report received, review underway.
Bolton Rd Inspect/Design/Repl Girders	Planning	Draft Report received, review underway.
Barron Riv. Bridge Oakforest Rd Insp/Des	Planning	Draft Report received, review underway.
Barron River Cwy Henry H Dr Repl Slabs	Not Commenced	Programmed for April 2023, weather permitting.
Program: 06 Drainage		
22/23 Minor Culvert & C/ways Renewal	Construction	Driveway access pipe removed. Works complete at Mclver Road. Further works to be programmed to commence after wet season.
MBA Amaroo Drainage Upgrades	Not Commenced	Programmed for May 2023, weather permitting.
MBA Hastings Dr Replace Concrete Pipe	Planning	Investigations January 2023.
Program: 07 Traffic Facilities		
Mareeba Aerodrome Signage	Construction	Compliance certificates received from Emergent Building Approvals.
Program: 08 Parking		
Borzi Park Mba Carparking Masterplan	Planning	Design to be completed prior end of financial year - June 23.



Project Description	Project Stage	Comments
MBA Heritage Centre Carpark Extension	Design	Design underway, overland drainage remains the single largest constraint to project. Design to be finalised Jan 23.
Program: 09 Footpaths		
MBA Rail Trail Stage 1 Mba to Airport	Completed	Mclver Road to Airport completed November 2022.
MBA Walking Network Plan	Design	Draft Priority Works Program to be presented at the January 2023 Council workshop.
KDA Walking Network Plan	Planning	Kuranda Walking Network Plan adopted December 2022. Draft Priority Works Program being developed.
22/23 Shire Wide Footpath Renewal Prog	Planning	Program to be developed in conjunction with the walking network plans.
22/23 Walking Network Upgrade Program	Not Commenced	Pending adoption of Priority Works Program for Kuranda and Mareeba.
Program: 10 Parks and Gardens		
LRCIP2 Mba Byrnes Street Medians	Construction	Street bin installation on hold. Corporate Communications Officer sourcing pictorial wraps to cover new street bins.
DIM Town Hall Park Refresh	Planning	Scope development underway. Additional community engagement will be undertaken in consultation with Community and Customer Service.
KDA Centenary Park Playground Upgrade	Construction	Construction of playground complete. Contractor visiting site mid January to finalise minor defects.
MBA Bicentennial Lakes (Southern) D&C	Design	Design contract awarded. Site walkthrough mid January to help finalise options. Flora and Fauna survey underway. Stakeholder engagement proposed late January 2023.
MBA Byrnes St Medians	Not Commenced	Work will be programmed for the second half of the current financial year.
MBA Anzac Memorial Pk L'scaping & Safety	Design	Park renders for public consultation being prepared.
MBA Byrnes St Traffic Islands (BP)	Not Commenced	Work will be programmed for the second half of the current financial year.
MBA Connection Rd/Byrnes St Intersection	Not Commenced	Work will be programmed for the second half of the current financial year.
MBA Costin St Medians	Not Commenced	Work will be programmed for the second half of the current financial year.
KDA Anzac Park Landscaping	Design	High level construction estimates being developed prior to Council workshop to select design.
KDA Coondoo Street Upper Refurb	Not Commenced	Workshop brief being prepared to present to Council.
KDA CBD Planter Boxes & Gardens	Not Commenced	Planning to commence in second half of financial year.
DIM Avenue of Trees Irrigation	Not Commenced	Work will be programmed for the second half of the current financial year.
IRV Bill Newburn Park Refresh	Planning	Scoping commenced.
MBA Eastern Catchment Park Amaroo St1	Construction	Construction of playground complete. Contractor visiting site mid January to finalise minor defects. Other minor works, including drainage and car park to be completed when weather and resources permit.
Roscommon Park -Renew Exercise Equipment	Planning	Static exercise equipment to be procured.
Program: 11 Water		
MWTP Filter 3 install backwash pumps	Planning	Now that grant funding has been received this will be rolled out in conjunction with the MWTP Filtration Project.
Mba Optimise clarifer performance upgrad	Design	Some initial works commenced.
Mareeba - Backwash operation renewal	Planning	Now that grant funding has been received this will be rolled out in conjunction with the MWTP Filtration Project.
Mba WTP Study for Upgrade of WW System	Construction	Works progressing well and now scheduled for completion early February.
BOR6 MWTP Filtration Upgrade	Design	Project design works continuing and actual project grant funding confirmed through BOR program and set to go to tender early February.
MBA Clear Water Booster Pump Station	Design	Design on project set for completion late January and expecting to go to tender mid February.



Project Description	Project Stage	Comments
22/23 Water Pipe Renewal Program	Construction	Contractor made good progress during 2022, wet weather has halted works in January and works will recommence as soon as practical.
22/23 Water Telemetry/SCADA Upgrades	Planning	Works progressing well with integrator on site week commencing 16 January.
DIM WTP New Turbidity Meters	Completed	Project complete, finalising invoices.
KDA WTP Auto Backwash on 3 Filter Cells	Planning	Treatment operations staff to liaise with City Water Technology and or suitably qualified person for the implementation works.
22/23 Smart Meters Replacement	Construction	New meters now in Stores and they will be installed when staff have the available time.
22/23 Hydrant Renewal Program	Construction	Works progressing and will be completed as soon as practical.
MBA WTP Raw Water Pumps & Electrics	Design	Design well under way and final design drawings to be with Council by end of March.
22/23 Valve Replacement Program (Retic)	Construction	Works to be undertaken in conjunction with the booster station project, can only be done as the new booster station is being commissioned.
BOR6 22/23 Water Forward Design Program	Design	Works commenced with trials on alternate methods of dosing equipment and chemicals underway.
MBA Additional Pressure Reduction Valves	Planning	Locations of RPV's have been modelled and calculated during booster pump station design works and will have to be cells at the treatment plant and centenary park booster station.
MBA Decommission Basalt St Elevated Tank	Planning	Project completed.
MBA Decommission Granite Ck Pump Station	Planning	Works to be undertaken in conjunction with the booster station project, can only be done as the new booster station is being commissioned.
DIM Caustic Soda Dosing Pumps & Shed	Construction	Shed installation completed and connection of dosing equipment underway and will be commissioned during January.
WTP Minor Infrastructure Replacements	Construction	Inclement weather holding up works at present and the works will recommence as soon as possible.
MBA WTP Clarifier Infra Process Improv.	Design	Design underway, once their assessment has been completed they'll submit to Council officers for further review and options assessments.
MBA/KDA/DIM WTP Inst. Chloring Analysers	Procurement	Quotes were sourced and equipment ordered, when the equipment arrives it'll be installed and commissioned.
MBA Trial Chloring Dosing	Planning	Now that the filtration project has been funded this project needs to be rolled into that project.
Program: 12 Wastewater		
New Sewer Pump Stn Standby Generators x2	Completed	New generators have been installed and housing being made to protect them from vandalism and the elements, just finalizing the telemetry connection to the generators and project is then completed.
21/22 Mba Sewer CCTV & Relining Program	Completed	Practical completion in December.
21/22 Mba WWTP Component Renewals	Close Out	Works essentially completed and once commitments are cleared project can be closed out.
Granite Ck Mba Sewerage Pump Stn Refurb	Construction	Project works in the finalization stage with site clean up and then commissioning of new equipment planned for January.
Mba Minor Pump Stn H2S Protect/Refurb	Completed	Project now completed and once final commitments are finalised the project can be closed out.
MBA Bi-Lakes Sewer Main Capacity	Design	Project going to tender Saturday 14 January
22/23 WW Telemetry/SCADA Upgrades	Planning	Project works progressing well with integrator on site the week commencing 16 January.
22/23 New Standby Generator Program	Construction	Generators and site shelters installed, awaiting electrical and telemetry connections when suitably qualified trades people are available.
22/23 MBA Sewer CCTV & Relining	Construction	Project works commenced late 2022 and wet weather hampering works in January.



Project Description	Project Stage	Comments
22/23 Manhole Rehab & Replace Program	Construction	50% of 2022-23 works completed with remainder of this years works to commence around May.
KDA TP Chlorine Dosing Pumps	Procurement	Goods are on order and potentially long lead time of delivery.
KDA TP RAS System Submersible Pumps	Procurement	Quotes received for new pumps under assessment.
KDA TP Bioreactor Aeration Blower	Procurement	New blower on order with potentially a six month lead time for delivery.
Minor WW Pump Station Refurbishments	On Hold	Project on hold as funds from this project diverted to Granite Creek SPS project.
22/23 WW Forward Works Design Program	Planning	Review of Atherton St SPS finalised to determine if a new pump station is required or the existing pump station can be refurbished. Review indicated the existing pump station can be refurbished and final upgrade design being worked on.
Program: 13 Waste		
MWF Construct New Landfill Cells	Design	New Cell Design now completed with Council Officers to review with designer.
MBA Transfer Station New Baler	Procurement	Baler grant funding agreement still not signed by the funding body (State Development Infrastructure and Planning).
MBA/KDA Transfer Station Security Improv	Construction	Mareeba WTS CCTV Upgrade works completed. Swivel pole installed for the Kuranda WTS and awaiting contractor to complete CCTV connection.
Program: 15 Fleet		
GPS Vehicle Management System	Planning	GPS tracking equipment to be procured as part of fleet replacement program rather than one large capital expenditure.
Fleet Refurb Truck Mounted Water Tank	Planning	Business Case being developed.
Fleet Replace #621 Single Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 months.
Fleet Replace #675 Crew Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 months.
Fleet Replace #623 Crew Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 months.
Fleet Replace #5006 Tractor	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 months.
Fleet Replace #6253 Road Broom	Planning	February 2023 Project.
Fleet Replace #1304 Landcruiser	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #1305 Landcruiser	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #1323 Triton	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #1337 Triton	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #1229 Hilux	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #2052 Triton	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #1315 Landcruiser	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Fleet Replace #1328 Triton Trayback	Procurement	Purchase order raised and sent to supplier July 2022. Expected delivery 8-10 months.
Program: 16 Depots and Council Offices		
Rankin St MSC Admin Office Refurb	Construction	Works completed with minor items to be finalised.
Kowa St MSC Depot Emergency Generator	Design	EMT to be consulted on way forward prior to Capital Program development.
Program: 17 Community Buildings		
Koah Tennis Court Replace Timber Poles	Completed	Installation complete.
Aquatic Facility Upgrades & Splash Park	Construction	Construction commenced. Retaining wall and Perimeter Fence installed. Equipment footings/swaps have arrived in Cairns ready for installation.



Project Description	Project Stage	Comments
Dimb/Mba/Kda Pools Chloring Dosing Impr	Planning	Tender process now finalised, new Management Contractor undertaking review to identify issues with pools. This funding will be used to address concerns.
Mba PCYC Shire Hall Part Roof Replacemt	Construction	Some ingress of water detected. Waiting for contractor to return from holidays to rectify.
MBA Women's Restroom Refurb	Planning	No tenders received, Report to Workshop to advise intent to engage real estate agent to market property.
MBA Riverside CPark Amenities Replace	Construction	Amenities block base has been constructed and concrete slab has been poured.
22/23 Shire Toilet Facility Repl Program	Planning	Projects are: Mareeba Aerodrome, Mareeba Cemetery, Mt Molloy Vains Park. To be commenced in New Calendar Year.
MBA Community Hub Signage & Seating	Design	Concept design under assessment.
DIM CPark Shower Septic Modifications	Construction	Contract awarded to BSP. Awaiting program of works from contractor for construction.
MBA New CBD Toilet Facilities	Design	RFQ for Supply and Delivery of new toilet to be released January 2023. Concept plans for location developed.
22/23 Facilities Refurbishment Program	Not Commenced	Restricted Use - Only to progress under direction of EMT to address Management Agreement constraints.
MBA Aquatic Cnt Entrance Upgrade & Paint	Construction	Pathway complete. Landscaping and signage to be developed in early 2023.
KDA Community Prec. Toilet Refurb	Planning	Scope development commenced.
KDA Aquatic Cnt 25m Pool Auto Fillers	On Hold	On hold pending completion of Tender Process.
KDA Aquatic Cnt 25m Pool Cleaner	On Hold	On hold pending completion of Tender Process.
KDA Aquatic Cnt 25m Pool Aquaris Upgrade	On Hold	On hold pending completion of Tender Process.
22/23 MBA Roof Replacement Program	Construction	Works delayed by inclement weather conditions.
MBA Timber Fascia Replacement	On Hold	Project on hold. Timber fascia's not required at this time. Possible minor maintenance works to be delivered by Mareeba Community Housing Company.
22/23 DIM Bathroom Renewal Progam	Planning	Scoping commenced.
Program: 18 Non-Infrastructure Items		
Kuranda New Cemetery	Design	Draft Civil Plans received for commentary. Tender for construction to be undertaken February 2023, with construction in dry season of 2023.
DIM Cemetery Lawn Plaque on Beam	Not Commenced	New beam will be installed in Dimbulah prior to the end of the 22/23 financial year.
MBA MIP Expansion	Planning	Fee proposal negotiations have resulted in savings in project, delivery prior to end of Financial Year, June 23.
Program: 20 KIAC		
KIAC - New Wayfinding Signage	Construction	Installation Complete. Sign audit complete. Some additional works are needed including removal of redundant signs and amendments to some of the installed sign details.

9.5 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - DECEMBER 2022

Date Prepared: 10 January 2023
Author: Manager Technical Services
Attachments: Nil

EXECUTIVE SUMMARY

The purpose of this report is to outline Council's Fleet, Design, Soils Lab, Survey, Quality, GIS, Project Management, Facilities and Investigation Services activities undertaken by Infrastructure Services during the month of December 2022.

RECOMMENDATION

That Council receives the Infrastructure Services, Technical Services Operations Report for December 2022.

BACKGROUND**Technical Services**Design, quality and investigations:

Investigation activities undertaken in December included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	52	18
Drainage Investigations	8	1
NHVR Permit Applications	0	18
Traffic Count Surveys	0	12
Parks Investigations	5	0
Miscellaneous e.g. Planning; Local Laws	17	11
Before You Dig Requests	0	21

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services.

Supplier	No. of Tests
Internal	91
External	176

Asset Inspections:

Facility asset inspections and defect backlog verification process has commenced in full. The updated defect backlogs will assist to inform the 2023-24 Operational and Capital programs.

Ongoing improvements to data associated with water, sewerage, roads, underground stormwater and kerbs asset data sets continues.

Operational Works and Subdivisions

To ensure ongoing compliance with development conditions, both during construction and on-maintenance, Council undertakes routine inspection and monitoring of sites. The following developments remain current:

Locality	Subdivisions Name	Status
Mareeba	Prestige Gardens Stage 1-6	Under construction
Mareeba	Emerald End Road & Country Road	Under construction
Mareeba	Amaroo Stage 12	On-maintenance
Mareeba	7 Haren Street	On-maintenance
Koah	123 Fantin Road (Two Chain Road)	On-maintenance
Mareeba	Kenneally Estate Stage 4	Off-maintenance, but holding \$5k bond (monitoring K&C)
Mareeba	The Edge Stage 3	Off-maintenance
Mareeba	Amaroo Stage 11	Off-maintenance
Mareeba	Mareeba Roadhouse and Accommodation Park, Williams Close	On-maintenance - Monitoring
Kuranda	112 Barnwell Road widening	Monitoring

Disaster Recovery Funding Arrangements (DRFA)

The DRFA is jointly funded by the Commonwealth and Queensland governments to help alleviate the costs of relief and recovery activities undertaken in disaster-affected communities by delivering recovery activities to return affected eligible assets back to pre-event condition. The status of declared disaster events currently being managed are provided below:

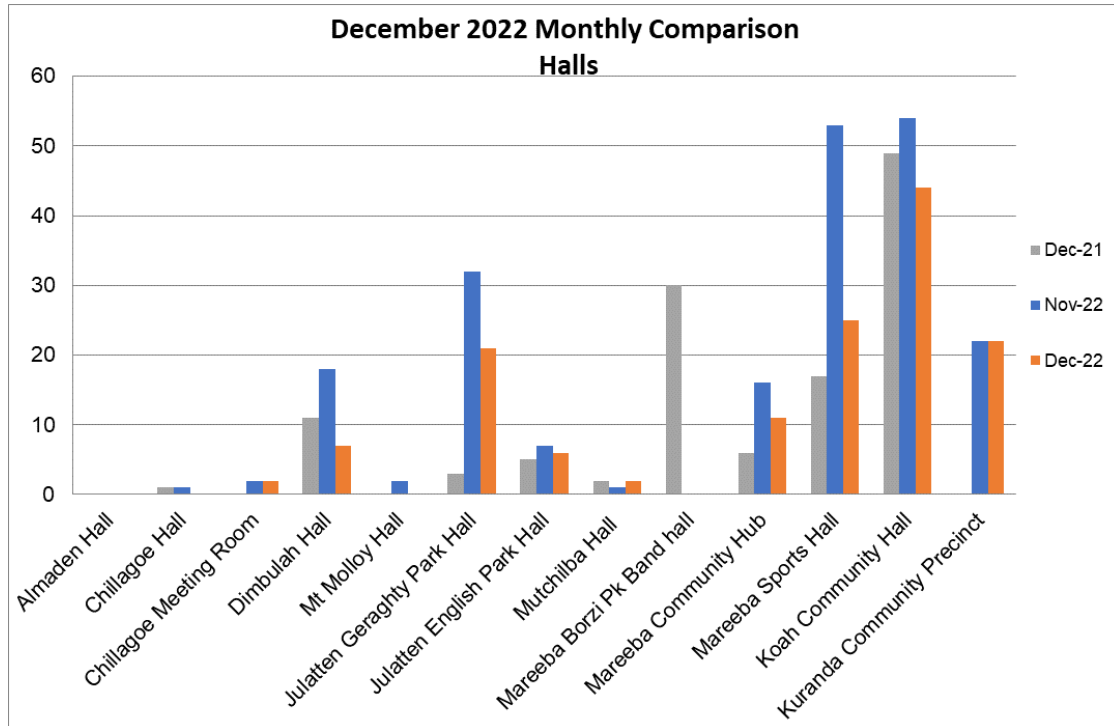
Program	Status
2021 DRFA REPA Program	Works have now been completed on all restoration packages with some minor defect works to be addressed by contractors.
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Council have finalised all assessments of damage, emergency repairs and immediate restoration of impacted roads throughout the Shire. A consultant has been engaged to assist with delivery of the 2022 DRFA Program.
2022 Betterment	Officers have provided a Betterment proposal to QRA for consideration and discussion.

Facilities

Community Halls:

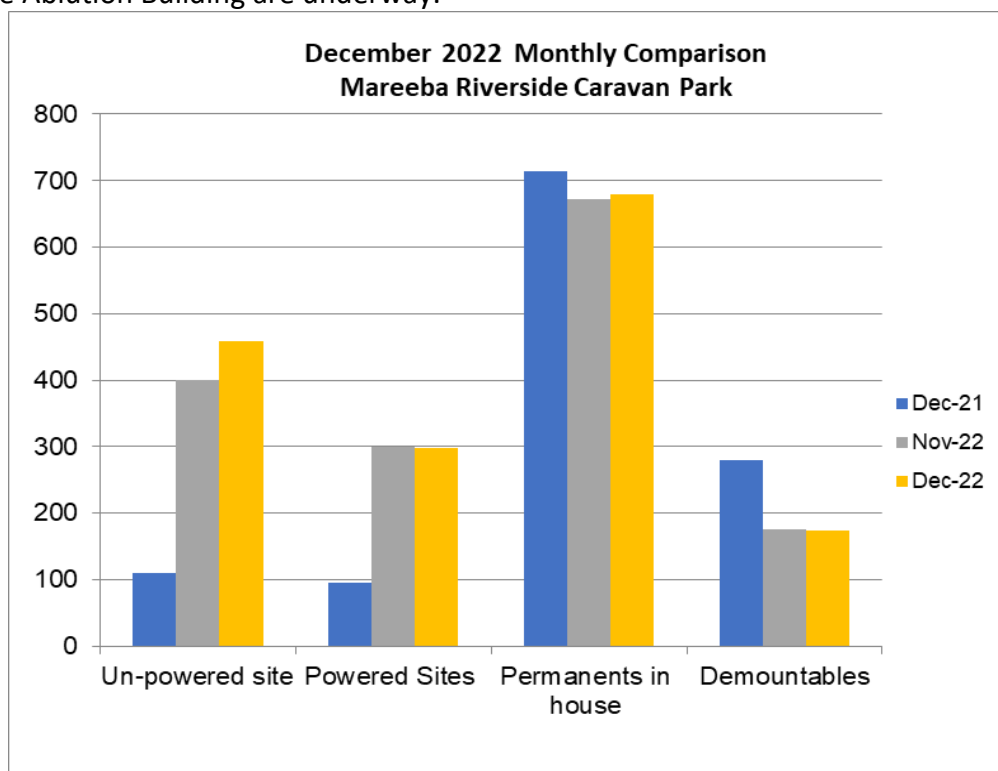
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing.

December hall hires are generally showing improvements against the previous year's utilisation.



Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers have remained strong across all sectors. Works to replace the Ablution Building are underway.



Aquatic Centres

Monthly statistics were not available at time of reporting.

The contractual arrangement with H2O Sport and Leisure for managing Council's three swimming pools and the Dimbulah caravan park ceased on Thursday, 22 December 2022.

Marlin Coast Swimming and Fitness has been engaged under an interim arrangement to operate the facilities until 30 June 2023. A separate report is being tabled at this meeting to proposing that Council invites Expressions of Interest to manage and operate the Shire's Aquatic Facilities and Dimbulah Caravan Park.

Vandalism & Graffiti:

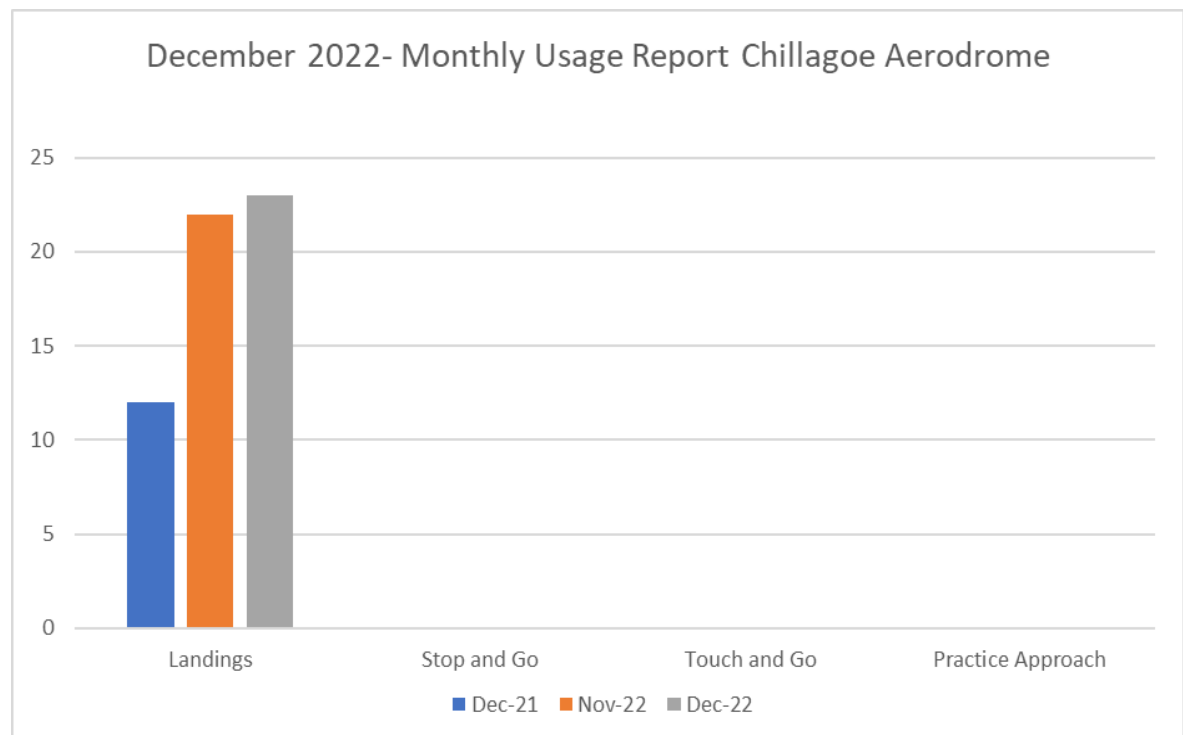
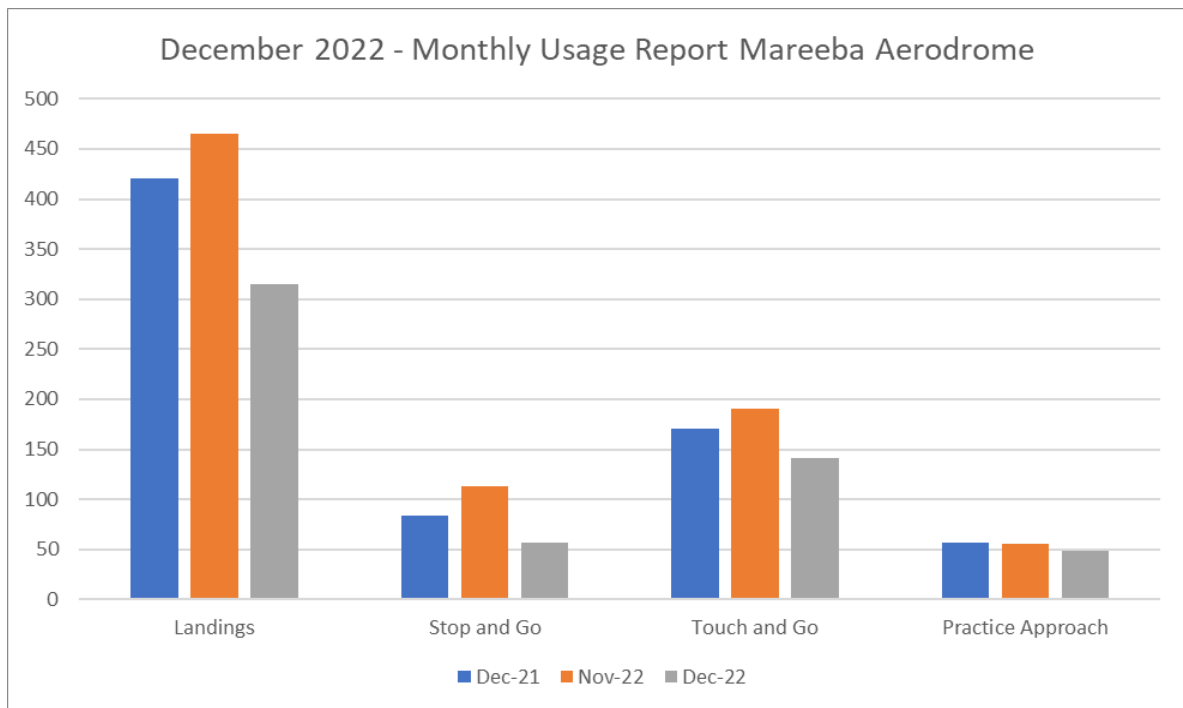
During December, eight (8) reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

Financial Year	Actuals	Comments – November 2022
2015/16	\$ 2,134.00	• Mareeba Arnold Park Toilets - Vandalism x1
2016/17	\$ 16,546.00	• Mareeba CWA Toilets -Vandalism x 1
2017/18	\$ 23,948.00	• Mareeba Rotary Park toilets - Vandalism x1
2018/19	\$ 14,851.00	• Mareeba Judo Hall toilets - Vandalism x1
2019/20	\$ 14,211.18	• Mareeba Centenary Park toilets - Vandalism x1
2020/21	\$ 62,199.62	• Mt Molloy Rifle Ck Toilets - Vandalism x1
2021/22	\$ 48,301.12	• Mareeba Theatre Hall - Vandalism x1
2022/23	\$17,927.25	• Kuranda Centenary Park toilets - Vandalism x1

Note - actuals for vandalism/graffiti do not reflect costs to repairs during that period. Incoming expenses for repairs carry over until works are completed.

Aerodromes

The data recorded below is current for the month of December, however there is usually a lag of some data for each current month from the service provider, which continues to be updated into the next month.



FINANCIAL AND RESOURCE IMPLICATIONS

Capital

Programs are being delivered in line with expectations, a small surplus across the portfolio is anticipated.

Operating

Additional cost associated with graffiti and vandalism is expected and will be accommodated within existing budget allocations.

LINK TO CORPORATE PLAN

Financial Sustainability: A council that continuously operates in a cost-effective manner while managing council's assets and reserves to ensure a sustainable future.

Transport and Council Infrastructure: The provision of quality services and infrastructure for our growing community that is planned and managed using sound asset management principles.

Community: An informed and engaged community which supports and encourages effective partnerships to enhance the liveability of the Shire.

Economy and Environment: A resilient economy that promotes and supports the shire's natural assets and local industry and encourages investment while preserving and future proofing for generations to come.

9.6 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - DECEMBER 2022

Date Prepared: 4 January 2023

Author: Manager Water and Waste

Attachments: Nil

EXECUTIVE SUMMARY

The purpose of this report is to summarise Council's Water and Waste activities undertaken by the Infrastructure Services Department during the month of December 2022.

RECOMMENDATION

That Council receives the Infrastructure Services, Water and Waste Operations Report for December 2022.

BACKGROUND

Water and Wastewater Treatment:

All treatment plants are generally performing satisfactorily. Water demand was varied across all schemes. Rainfall in some catchments resulting in decreased consumption per connection whereas some were higher due to less rainfall.

Routine environmental monitoring did not detect any exceedances of environmental discharge limits. No anomalies or reportable notifications were reported in relation to routine water quality testing conducted during the month.

Water Treatment	Mareeba	Kuranda	Chillagoe	Dimbulah	Mt Molloy*
Water Plant average daily production (kL)	7,295	922	298	315	81
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,664	939	1,898	1,158	591

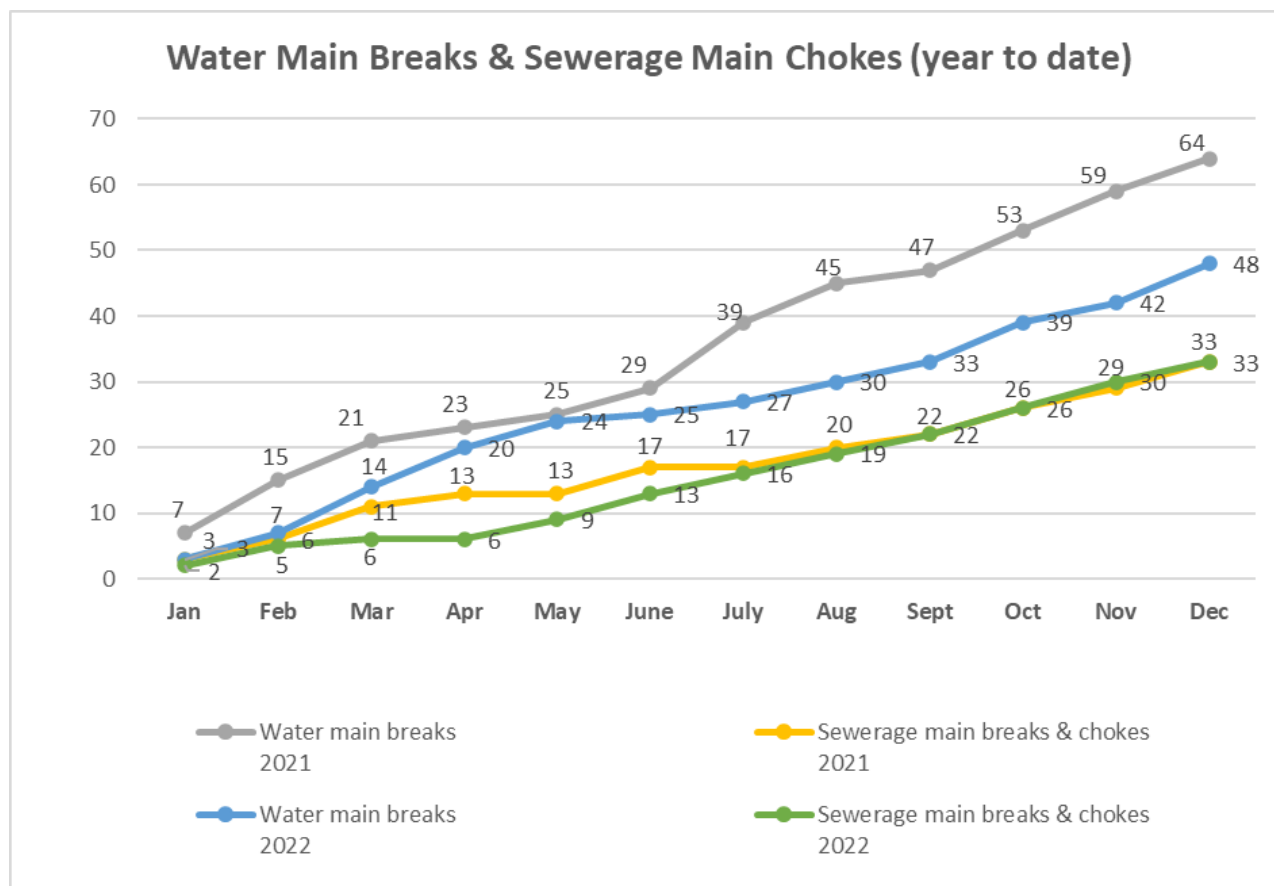
* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	1,734	158
Number of Connections	3,424	346
Average daily inflow per connection (L)	506	457

Water and Wastewater Reticulation:

Council's water reticulation crew attended to six (6) water main breaks, and three (3) sewer main breaks/chokes this month, and average response times were within targets set out in Council's customer service standard for water services.

Monthly statistics are shown on the water reticulation main breaks and sewerage main breaks and chokes:

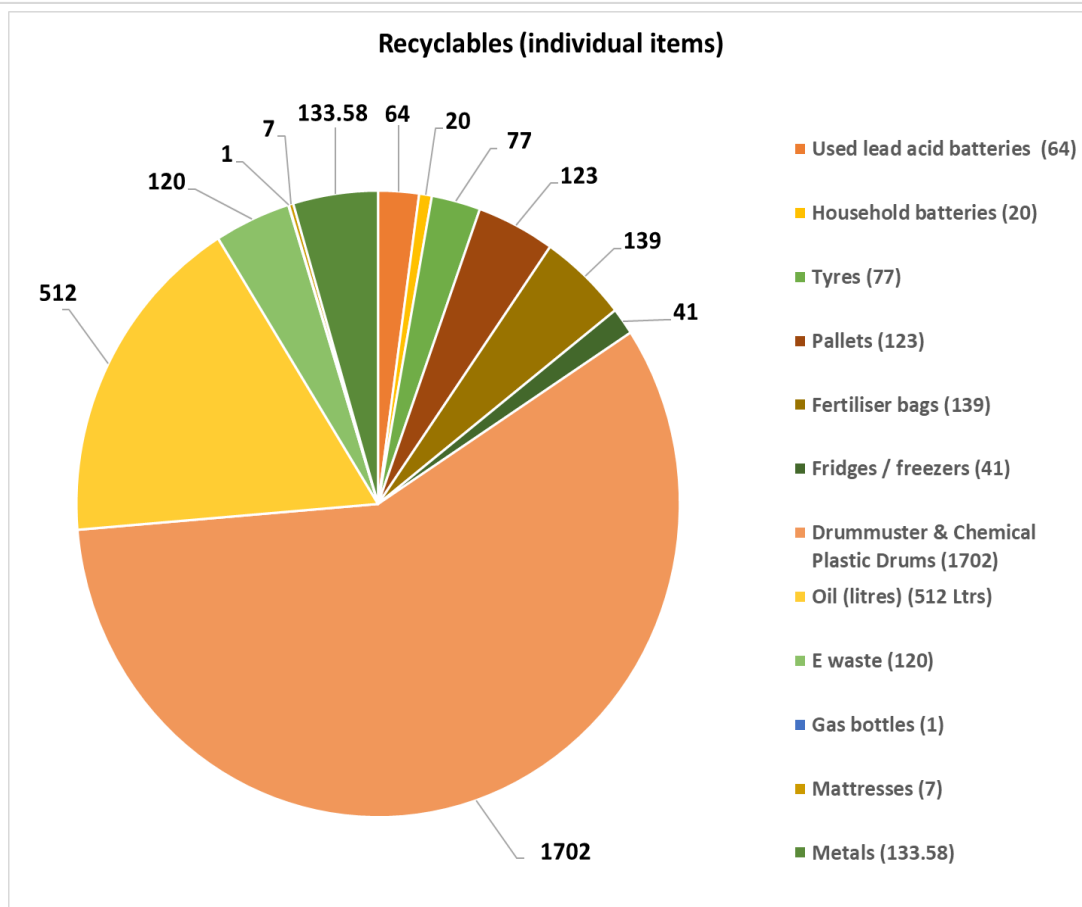
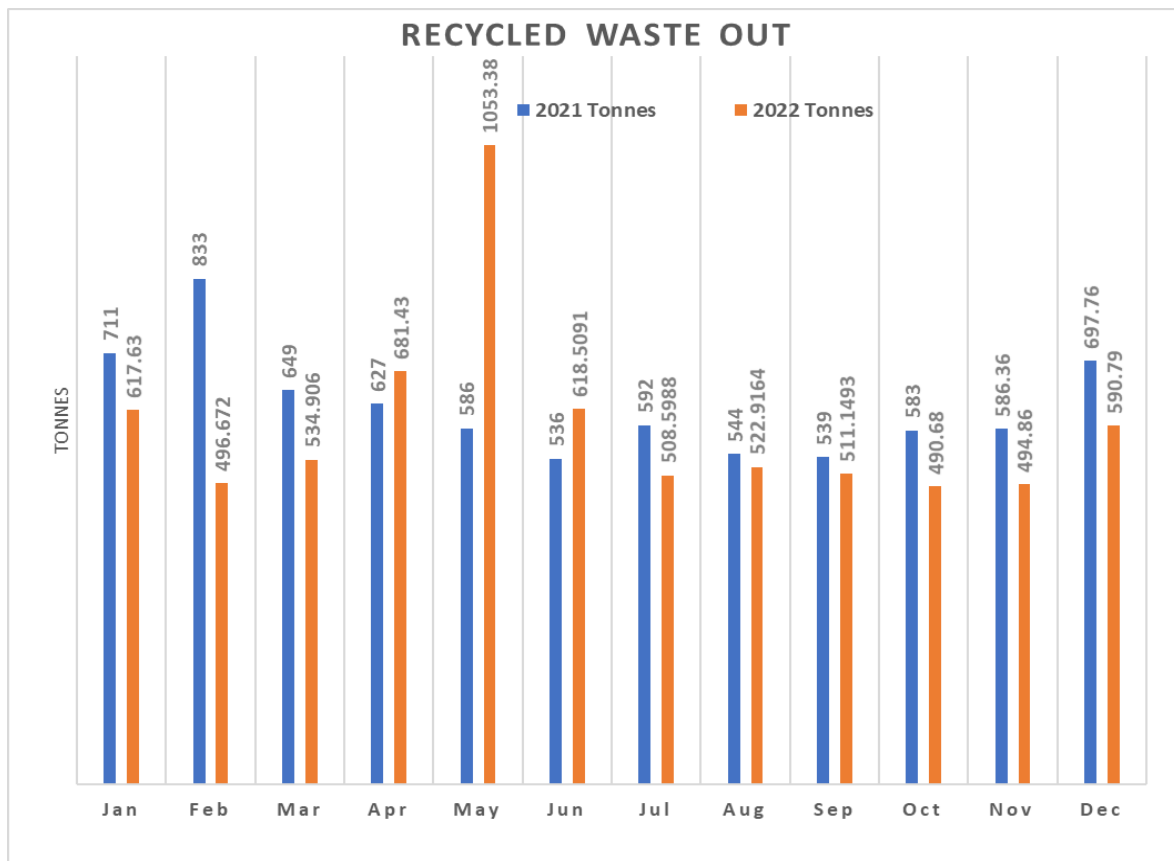


Waste Operations:

ARUP's work on the Regional Resource Recovery Plan is continuing with an agreed extension of timeline to the presentation of the draft report to FNQROC due by 10 March 2023.

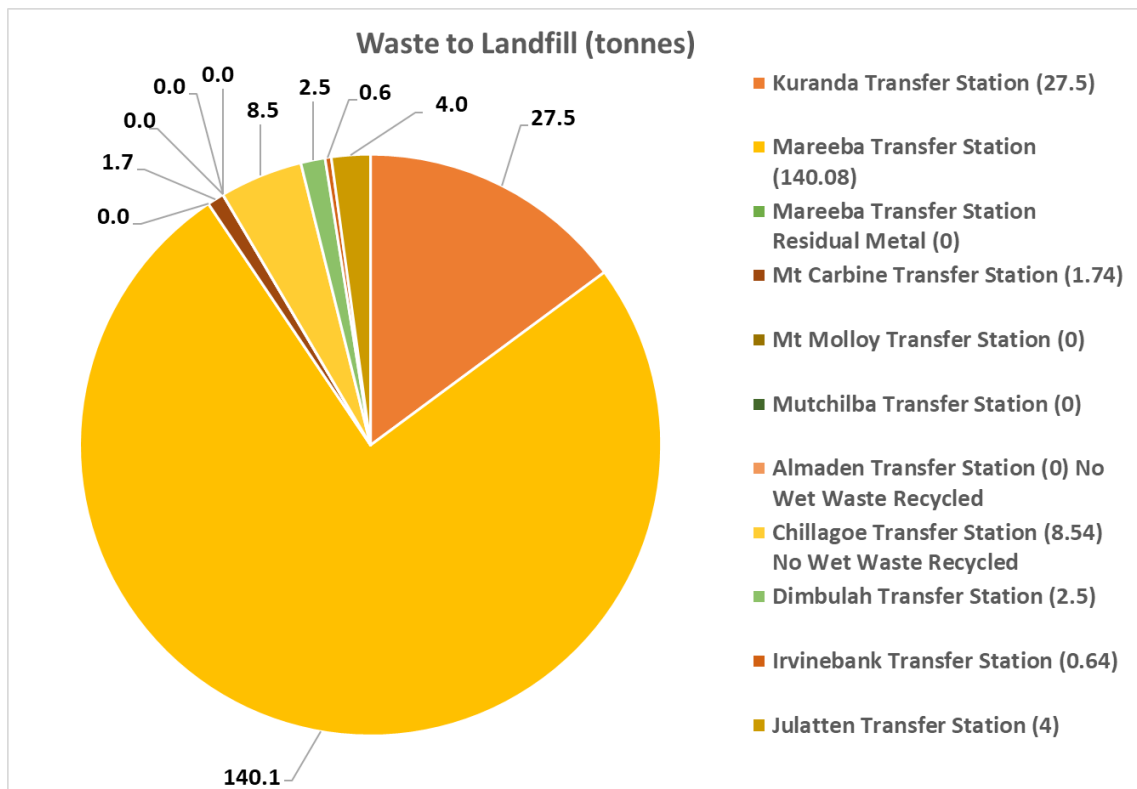
Recycling

Waste material collected at each of the waste transfer stations are either deposited directly to the Springmount Waste Facility, recycled, or transported to the Veolia Advanced Resource Recovery Facility (ARRF) in Cairns for processing.



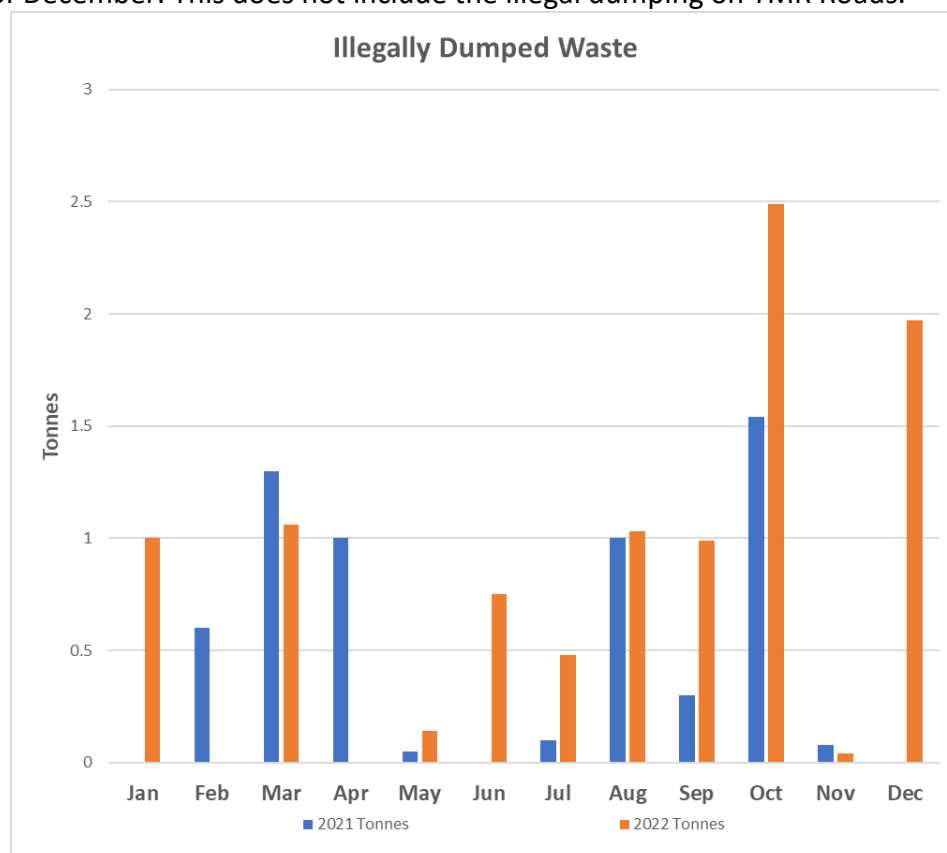
Waste to Transfer Stations

Transfer Station dry waste is transported off site to the Springmount Waste Facility and for the month of December 185 tonnes was landfilled.



Illegally Dumped Waste

There were 1.97 tonnes of illegally dumped waste recorded through Waste Transfer Stations during the month of December. This does not include the illegal dumping on TMR Roads.



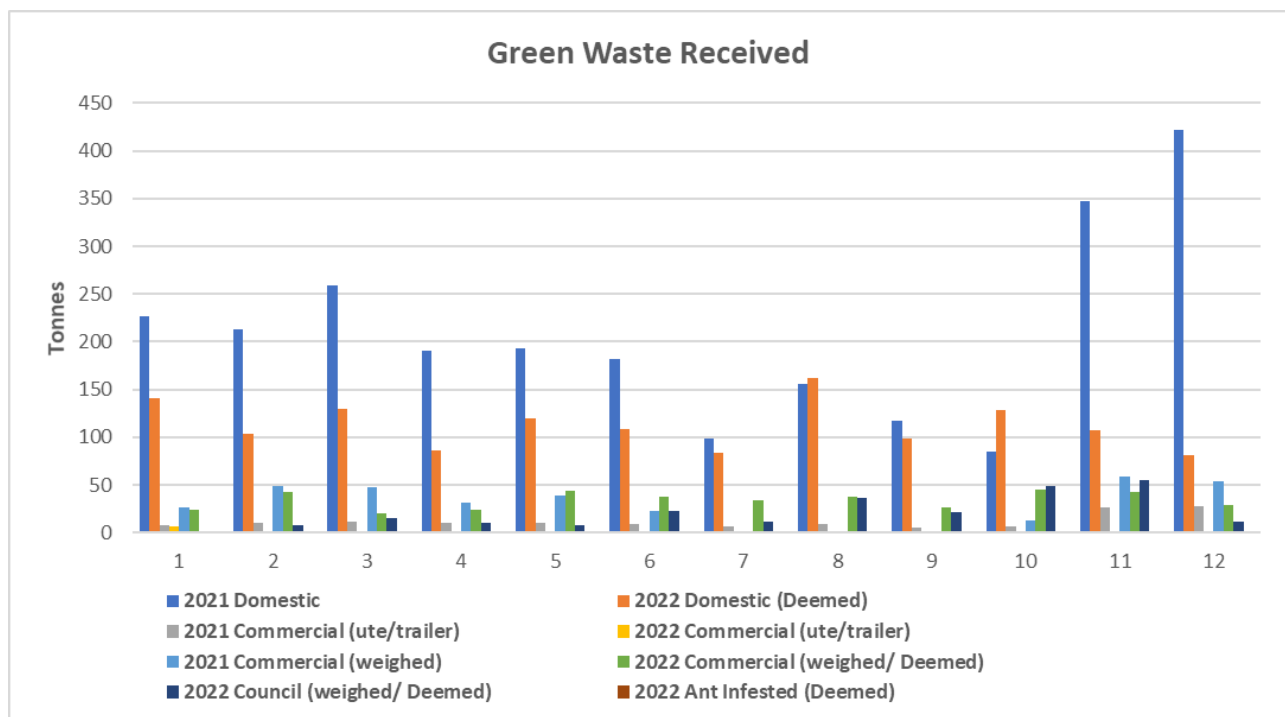
Green Waste

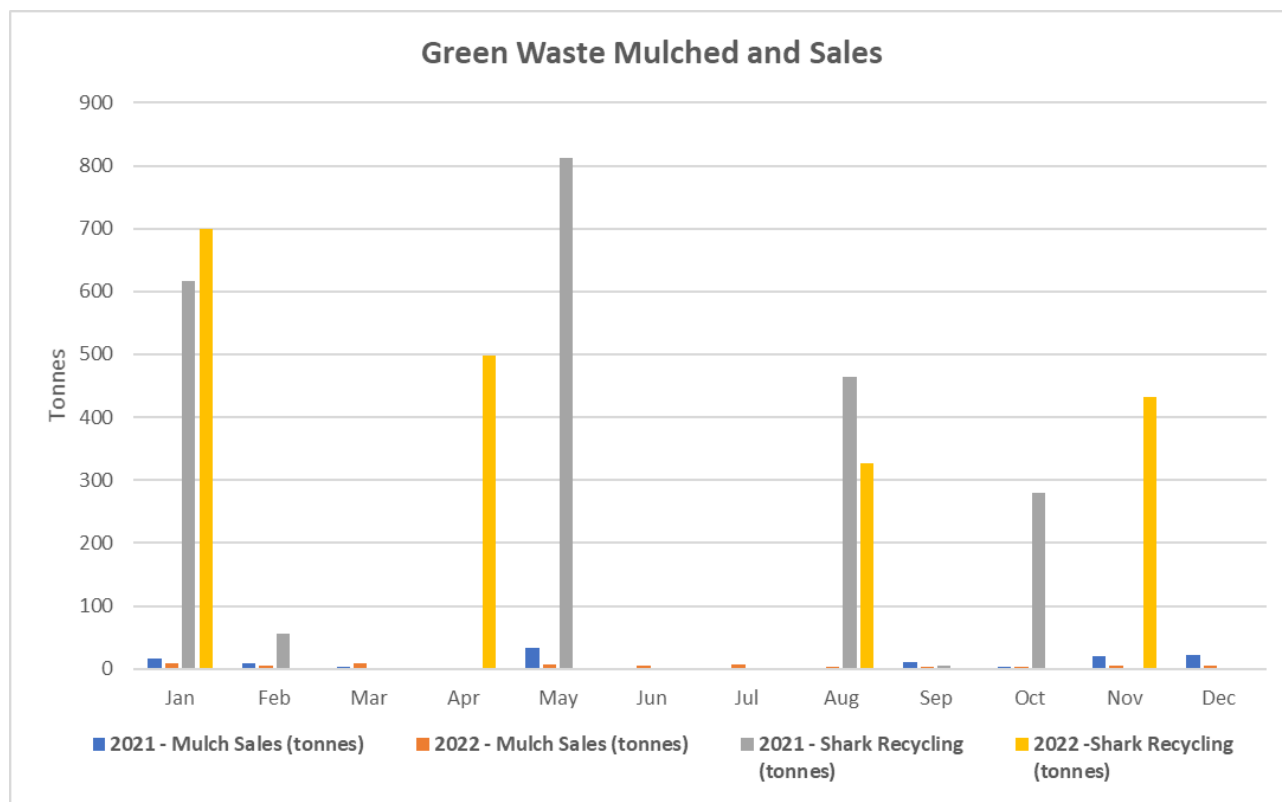
Council received a total of 121.69 tonnes of green waste in the month of December.

Kuranda recorded 1.1 tonnes of Electric Ant contaminated green waste in December. An updated letter and factsheet were sent to 51 residents who are in the electric ant identified areas.

Free Green Domestic Waste days are now four (4) times a year instead of three (3). Scheduled Free Green Waste Disposal Days occurred in November/December between the 30th through to the 6th resulting in 433 loads delivered across the Shire being:

Mareeba	340 loads
Kuranda	70 loads
Chillagoe	9 loads
Dimbulah	8 loads
Julatten	5 loads
Mutchilba	1 loads





RISK IMPLICATIONS

Environmental

Council holds an Environmental Authority issued under the *Environmental Protection Act 1994* to operate landfill facilities.

LEGAL/COMPLIANCE/POLICY IMPLICATIONS

Nil

FINANCIAL AND RESOURCE IMPLICATIONS

Nil

LINK TO CORPORATE PLAN

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Transport and Council Infrastructure: The provision of quality services and infrastructure for our growing community that is planned and managed using sound asset management principles.

Economy and Environment: A resilient economy that promotes and supports the shire's natural assets and local industry and encourages investment while preserving and future proofing for generations to come.

Governance: Sound decision making based on effective frameworks and clear strategic direction to achieve regulatory compliance while delivering affordable levels of identified services within the Shire.

IMPLEMENTATION/COMMUNICATION

Nil

9.7 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - DECEMBER 2022**Date Prepared:** 12 January 2023**Author:** Manager Works**Attachments:** Nil**EXECUTIVE SUMMARY**

The purpose of this report is to summarise Council's Transport Infrastructure, Parks and Gardens and Land Protection operational activities undertaken by Infrastructure Services during the month of December 2022.

RECOMMENDATION

That Council receives the Infrastructure Services, Works Progress Report for the month of December 2022.

BACKGROUND**Transport Infrastructure**Road Maintenance Activities

Unsealed roads graded in December were as follows;

Road Name	Location
Black Mountain Road	Kuranda
Wetherby Road	Mt Molloy
McLeans Bridge Road	Julatten
Mt Mulligan Road	Mt Mulligan

Other maintenance activities during the month of December were undertaken in the following areas:

Tree Clearing & Vegetation Management	Bitumen Patching	Water Damage Repairs	Unsealed Road Maintenance	Slashing	Herbicide Spraying
Kuranda	Biboohra	Ootann	Julatten	Kuranda	Kuranda
Julatten	Mareeba	Lappa	Irvinebank	Koah	Mona Mona
Koah	Arriga	Kuranda	Petford	Speewah	Mareeba
Mareeba	Kuranda		Mt Molloy		Dimbulah
Dimbulah	Mt Carbine		Mareeba		Koah
	Julatten				Chillagoe
	Mt Molloy				Julatten

Customer Requests

During the month of December, the Works Group received 74 Customer Requests (CRs) with 124 resolved (resolved requests include those received prior to December 2022). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
December	56	14	4

At the time of reporting, the Works Group had 89 open requests.

Bridges and Major Culverts

Bridges and major culverts on the following roads were inspected and/or received standard maintenance in the month of December.

- Horse Creek Road, Mutchilba
- Springmount Road, Mutchilba
- Black Mountain Road, Kuranda
- Barron Falls Road, Kuranda
- Mt Kooyong Road, Julatten
- McLeans Bridge Road, Julatten
- Leadingham Creek Road, Dimbulah
- Sides Road, Julatten

TMR Routine Maintenance Performance Contract (RMPC)

- Burke Developmental Road (89B)
 - Rest area servicing - Eureka Creek
 - Herbicide spraying between Dimbulah and Petford
- Mossman - Mt Molloy Road (653)
 - Roadside litter collection
 - Rest area servicing – Hunters Creek
 - Vegetation removal
 - Drain clearing
 - Repairs to concrete causeway at Ch 27.000
- Mulligan Highway (34B)
 - Rest area servicing - Rifle Creek
 - Roadside litter collection - Rifle Creek, Mt Carbine Truck Stop and Bob's Lookout
 - Yearly pipe inspections
 - Herbicide spraying
 - Pothole patching at various locations
- Mareeba – Dimbulah Road (664)
 - Yearly pipe inspections
 - Herbicide spraying
- Kennedy Highway (34B)
 - Herbicide spraying

Parks and Open Spaces

The sporting fields in Mareeba are mowed at different heights and frequencies depending on the activity and grass type. During the wet season, Firth Park is mowed once per week at a height of 25mm whilst Borzi Park requires twice weekly mowing at 25mm. Davies Park is mowed twice weekly at a height of 50mm. It is imperative that these regimes are maintained to minimise trash build up on the fields.

Parks, reserves and street mowing is generally on a 12-18 day cycle but again, this is dependent on the grass type.

During December, as well as routine maintenance activities, Parks and Open Spaces staff undertook the following;

- Installed Christmas Trees in Mareeba, Dimbulah, Mt Molloy and Chillagoe
- Removed event banners from Byrnes Street
- Contractors mowed and maintained Irvinebank and Bibbohra townships and the Watsonville Cemetery
- Burials
 - Kuranda x 1
 - Dimbulah x 1
 - Mareeba x 10

Land Protection

Parthenium Weed: Monthly inspections carried out on 12 sites. All landholders are complying with their biosecurity obligation. Officers continue to monitor all sites every three (3) weeks

Amazon Frogbit: Council's Senior Land Protection Officer and two (2) representatives from Queensland Biosecurity identified several sites for the upcoming Frogbit field day. The recent rain has cleared the sites of Frogbit so the field day has been postponed to a later date.

Multi Species Weeds-Emu Creek/Walsh River Catchment: Work has continued along Emu Creek in the Walsh River catchment targeting two (2) *Jatropha* species, Rubber vine and Siam weed.

Wild Dogs: Baiting has been carried out on two (2) rural properties in the Mareeba and Mutchilba districts and one (1) rural property in Irvinebank totalling 9,160 hectares.

Navua Sedge: Roadside herbicide spraying on Council controlled roads for Navua Sedge in the Mt Molloy/Julatten area was undertaken. The Julatten area has a high rainfall in comparison to the rest of the shire and is also a cattle-producing area. Local landholders treat Navua Sedge on their properties and Land Protection Officers treat the roadsides in an effort to prevent the spread of this grass-like perennial plant.

FINANCIAL AND RESOURCE IMPLICATIONS

Operating

All operational works are funded by the section specific 2022/23 maintenance budgets.

LINK TO CORPORATE PLAN

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IMPLEMENTATION/COMMUNICATION

Nil