

9 INFRASTRUCTURE SERVICES

9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - FEBRUARY 2023

Date Prepared: 15 February 2023

Author: Manager Assets and Projects

Attachments:

1. [Capital Works Highlights - February 2023](#) ↓
2. [Capital Works Summary - February 2023](#) ↓

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 February 2023.

RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of February 2023.

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.

IMPLEMENTATION/COMMUNICATION

Monthly project highlights are to be posted on the website and shared on social media.

KEY COMMUNICATION MESSAGES – INTERNAL USE ONLY

Infrastructure Services Capital Works Report Project Highlights - February 2023



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.

Scope of Works

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.

Progress Update

Construction works were completed for this project 16 December 2022 with the application of the two coat bitumen seal. Line marking was installed mid-February and the project is now completed.



Borzi Road – Project Start



Borzi Road



Borzi Road



Borzi Road - Project End

Infrastructure Services Capital Works Report Project Highlights - February 2023



Project Name: Euluma Creek Road, Julatten - Rehabilitate and Widen

Program: Rural Roads

Background

Euluma Creek Road is classed as a Local Road of Regional Significance (LRRS) under the Roads and Transport Alliance and is eligible for a maximum of 50% funding from the Transport and Infrastructure Development Scheme (TIDS).

Several projects are currently listed in the FNQROC TIDS Program for the widening of sections of Euluma Creek Road between Black Mountain Road and McLeans Bridge Road to cater for increasing heavy traffic and to address ongoing defects, edge wear and edge drop.

Scope of Works

The project includes widening of the narrow sections of existing bitumen sealed road to 8m including the replacement and extension of existing culverts from Chainage 7010 to Chainage 9350.

Progress Update

The pavement rehabilitation and widening activities commenced in December 2021 and were subsequently put on hold due to the continued wet weather certain areas of the shire have experienced in 2022.

Work recommenced in late May 2022 when site conditions improved enough to allow construction at several locations within the project footprint. The final two (2) sections had the first 16mm bitumen seal coat applied on 28 November but due to rain the second 10mm bitumen seal was unable to be completed.

Pioneer NQ returned on 14 February to complete the 10mm second coat seal. Line marking is programmed for March and this will complete the project.

Heavy rain in February has caused substantial scouring of the shoulders and several culvert inlets and outlets of Euluma Creek Road within the existing footprint of the project. These will be repaired using DRFA emergent, immediate and betterment funding.

Infrastructure Services Capital Works Report Project Highlights - February 2023



Second coat 10mm seal - Section B



Binder application second coat 10mm seal - Section B



Culvert outlet damage



Shoulder scouring

Infrastructure Services Capital Works Report Project Highlights – February 2023



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.

A further project to install a heating system is partially funded by the Active Gameday Projects Fund from the Department of Tourism, Innovation and Sport’s (Sport and Recreation). The remaining funds are contributed by Mareeba Shire Council.

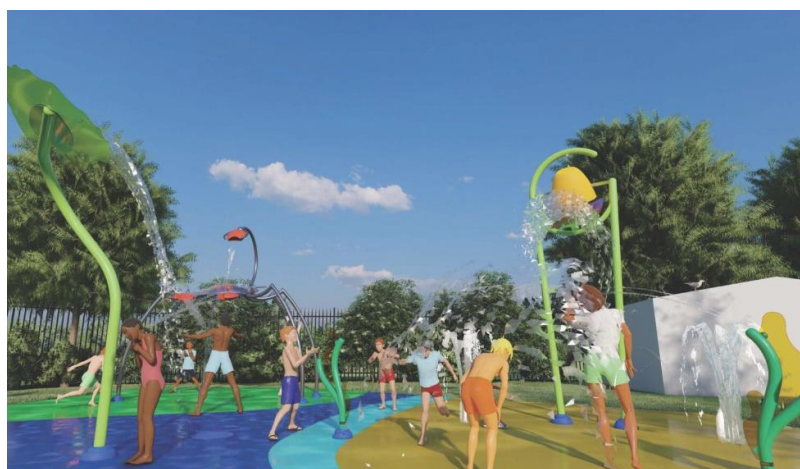
Scope of Work

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.

Progress Update

A new retaining wall and rear security fence has been constructed for the Splash Park. The Children’s Pool and 50m Pool are both operational and open to the public.

Site clearing and preparation for the heat pump including upgrading the Ergon Transformer is underway. Construction of has been impacted by persistent wet weather in the January and February, however some progress has been made on underground pipework installation and preparation of the Splash Park foundation. The pavers between the old club house, 50m pool and new Splash Park have been replaced with concrete. Construction is expected to be completed by June 2023, weather permitting.



Mareeba Aquatic Centre Splash Park Render

**Infrastructure Services Capital Works Report
Project Highlights – February 2023**



Ergon Energy Transformer Upgrade



Site preparation for heat pump installation

Infrastructure Services Capital Works Report Project Highlights – February 2023



Installation of Balance Tank for Splash Park



Existing pavers replaced with new concrete between old clubhouse, 50m pool and new Splash Park

Infrastructure Services Capital Works Report Project Highlights – February 2023



Project Name: Bicentennial Lakes Upgrade

Background

This upgrade of the Bicentennial Lakes precinct to improve water quality and activate the parklands open space areas is a key project in Council’s Parks and Open Spaces 3-year Action Plan.

The Queensland Government, through the 2022-24 Local Government Grants and Subsidies program has provided \$166,2000 in funding for the detailed design for this project with a total design cost of \$277,000.

Scope of Work

The scope of work is being developed and will be informed and confirmed via community and stakeholder engagement.

Progress Update

Planning and preliminary draft design sketches for are being prepared ready for community engagement in the coming months. Construction is planned to commence from mid-2023.



Bicentennial Lakes Southern Precinct

Infrastructure Services Capital Works Report Project Highlights – February 2023



Project Name: Riverside Caravan Park Amenities Upgrade

Background

The Riverside Amenities Block has reached the end of its useful life and functionality and safety issues were identified. A condition assessment determined that refurbishment was unviable, and a full replacement is required.

Scope of Work

This project is to demolish and replace the amenities block at Riverside Caravan Park, Mareeba. The project includes the provision of a temporary amenities block for the duration of the works.

Progress Update

Construction commenced prior to Christmas and is now well underway. The plumbing and foundation slab is in place and the walls and roof have been constructed.



Riverside Caravan Park New Amenities Block – completion of walls and roof



Project Description	Project Stage	Comments
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
22/23 Reseal & Asphalt Program	Construction	Latest advice from RPQ is that they will be returning to complete reseals mid February, weather permitting.
BETTERMENT Co-Contribution	Planning	Tenders released, QRA Market Rate approvals will need to be sought prior to award.
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 Investigation underway, anticipate completion April 2023, Design to be called June 2023.
Program: 04 Rural Roads		
TIDS Euluma Ck Rd Ch7.01-9.325 Rehab	Construction	2nd coat seal completed 15/02/2023. Line marking will be installed in March.
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 has a TIDS funding component that will need to be acquitted by 2023 F/Y end.
Borzi Rd Mba Widen & Seal Ch 0.03-0.67	Close Out	Project completed February 2023.
TIDS Ootann Rd Section 1&2 Widen & Seal	Design	Stage 1 design complete, Stage 2 validation continuing.
TIDS Springmount Rd Widen & Seal	Construction	Work will recommence in March, weather permitting.
R2R Bilwon Rd Rehab & Culverts	Planning	Design currently underway.
R2R Wolfram Rd Stage 3 Priority Sections	Procurement	Works will commence in March weather permitting.
Program: 05 Bridges		
BRP4 Kanervo Rd Davies Cr Br Rplc Bridge	Completed	Tech Services completing transactions with ACOM to clear commitments.
BRP5 Davies Ck Road Bridge Replacement	Close Out	Construction complete July 2022 & funding acquitted. Final certification is ongoing.
Granite Ck Mba Replace Footbridge Deck	Procurement	Project will be commence after current wet season.
Palm Cl Mba Replace Footbridge Boards	Procurement	Project will be programmed for after current wet season.
Bicentennial Lakes F/bridge Safety Upgr	Procurement	Project will be programmed for after the current wet season.
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. Recommendation on way forward to be provided 31 March 2023.
Bolton Rd Inspect/Design/Repl Girders	Planning	Draft Report received, review underway. Recommendation on way forward to be provided 31 March 2023.
Barron Riv. Bridge Oakforest Rd Insp/Des	Planning	Draft Report received, review underway. Recommendation on way forward to be provided 31 March 2023.
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	Culvert repairs on McGrath Road, Donlen Street & Mason Street currently being undertaken.
MBA Amaroo Drainage Upgrades	Not Commenced	Programmed for May 2023, weather permitting.
MBA Hastings Dr Replace Concrete Pipe	Planning	Investigations January to February 2023.
Program: 07 Traffic Facilities		
Mareeba Aerodrome Signage	Completed	Signs and plaque construction complete.
Program: 08 Parking		
Borzi Park Mba Carparking Masterplan	Planning	Design to be completed prior end of financial year - June 23.
MBA Heritage Centre Carpark Extension	Design	Alternative option currently under design, anticipate completion 31 March 2023.
Program: 09 Footpaths		
MBA Rail Trail Stage 1 Mba to Airport	Close Out	Rail trail sustained no damage from recent rain event.
MBA Walking Network Plan	Design	Priority Works Program workshopped with Council in January.
KDA Walking Network Plan	Design	Kuranda Walking Network Plan adopted December 2022. Draft Priority Works Program is ready to be workshopped with Council.



Project Description	Project Stage	Comments
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	Planning	Program to be developed in conjunction with the walking network plans.
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 Parks 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. Defects will be monitored and addressed over the defects liability period. Bin has been installed. New park seating has been ordered. Refurbishment of stonework and pathways is currently being planned.
MBA Bicentennial Lakes (Southern) D&C	Design	Fauna and Flora Survey Complete 30% Design Presented to Council and feedback will be provided to consultants to progress. Site walkthrough planned for Councillors. Hydraulic assessment will be integrated into the draft designs for 80% design.
MBA Byrnes St Medians	Not Commenced	P&OS Coordinator is currently reviewing site with a view to ordering suitable low maintenance plants.
MBA Anzac Memorial Pk L'scaping & Safety	Design	Park renders for public consultation being prepared. Construction will not start until after Anzac Day.
MBA Byrnes St Traffic Islands (BP)	Not Commenced	P&OS Coordinator is currently reviewing landscape architect plans with a view to ordering suitable low maintenance plants.
MBA Connection Rd/Byrnes St Intersection	Not Commenced	P&OS Coordinator is currently reviewing site with a view to ordering suitable low maintenance plants.
MBA Costin St Medians	Not Commenced	Work will be programmed for the second half of the current financial year.
KDA Anzac Park Landscaping	Design	Workshop brief will be presented 15 February.
KDA Coondoo Street Upper Refurb	Design	Aurecon will prepare a scope of works for Upper Coondoo Street Lighting Upgrade Tender and Lower Coondoo Street submission to Ergon to upgrade the lighting.
KDA CBD Planter Boxes & Gardens	Not Commenced	Planning to commence after Coondoo St lighting and hardscaping refurbishments are completed.
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	Preparing information for stakeholder and community engagement.
MBA Eastern Catchment Park Amaroo St1	Construction	Practical completion reached for playground. Monitoring defects and working with contractor to rectify after the wet season.
Roscommon Park -Renew Exercise Equipment	Planning	Project being scoped to ensure park furniture is included if required.
Program: 11 Water		
MWTP Filter 3 install backwash pumps	Planning	Now that grant funding has been received and project has gone to tender this funding needs to be rolled into and with the MWTP Filtration Project.
Mba Optimise clarifer performance upgrad	Design	This is to be done in conjunction with the clarifier detailed design works.
Mareeba - Backwash operation renewal	Planning	Now that grant funding has been received this will be rolled in with the MWTP Filtration Project.
Mba WTP Study for Upgrade of WW System	Construction	Works progressing well and now scheduled for completion this financial year.
BOR6 MWTP Filtration Upgrade	Design	Project is currently out to tender.
MBA Clear Water Booster Pump Station	Design	Project preliminary design drawings are with council officers for review prior to finalizing the design.



Project Description	Project Stage	Comments
22/23 Water Pipe Renewal Program	Construction	Ongoing monsoon rain has delayed the completion of the final stage of the works.
22/23 Water Telemetry/SCADA Upgrades	Planning	Works progressing well with integrator on site during January and some minor offsite works required to complete project.
DIM WTP New Turbidity Meters	Completed	Project completed and can be closed out if no commitments.
KDA WTP Auto Backwash on 3 Filter Cells	Planning	Treatment operations staff to liaise with 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	Majority of work was done in the latter part of 2022 with remainder of works to be completed prior to end of June.
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 and requires either EMT or Council approval to combine with new Mba WTP Booster Pump Station project.
MBA Decommission Basalt St Elevated Tank	Planning	Project cannot commence until the new water booster station project has been commissioned and suggest this project will need to be carried forward to the 2023-2024 capital program.
MBA Decommission Granite Ck Pump Station	Planning	Project cannot commence until the new water booster station project has been commissioned and suggest this project will need to be carried forward to the 2023-2024 capital program.
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	Works commenced with trials on alternate methods of dosing equipment and chemicals underway.
MBA/KDA/DIM WTP Inst. Chloring Analysers	Construction	Works are essentially done and once any commitments are cleared the project can be closed out.
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	Construction	Electrical contractor currently working to complete the electrical installation works. Once completed commissioning will be finalized.
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	Commissioning of the upgraded pump station commenced Tuesday 28 February. Once Council accepts the commissioning a seven day proving period will then commence and once completed successfully the contractor will demobilise from site.
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	Tender closed with a workshop brief to Council on 1 March and then a formal report for consideration is to go to 15 March Council meeting.
22/23 WW Telemetry/SCADA Upgrades	Planning	Works have been progressing well with integrator completing site works during January, some minor works are required to finalize works.
22/23 New Standby Generator Program	Construction	Amaroo SPS electrically connected and the Dural CI SPS Elec works underway, once completed the telemetry works will commence.



Project Description	Project Stage	Comments
22/23 MBA Sewer CCTV & Relining	Construction	Inclement weather has hampered the contractors works schedule however they are working on the relining program.
22/23 Manhole Rehab & Replace Program	Construction	Manhole works almost completed for the 2022-2023 schedule of works.
KDA TP Chlorine Dosing Pumps	Close Out	New pumps are in and project completed.
KDA TP RAS System Submersible Pumps	Procurement	Quotes received for new pumps however the existing pump can be overhauled.
KDA TP Bioreactor Aeration Blower	Procurement	New blower has arrived and the installation works will be scheduled as soon as practical.
Minor WW Pump Station Refurbishments	On Hold	Project to be carried forward to 2023-2024 capital Program.
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 Buy Back Shop Construction	Close Out	Project completed June 2022. Ident Survey still ongoing.
MWF Construct New Landfill Cells	Design	Design documents received with the electrical design still to come and works will be completed by June.
MBA Transfer Station New Baler	Procurement	New baler is in transit to Mareeba.
MBA/KDA Transfer Station Security Improv	Construction	Contractor has advised they are waiting on delivery of goods, once the goods arrive the works will be finalized.
Program: 15 Fleet		
GPS Vehicle Management System	Planning	On hold pending review of Fleet Program.
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. As of 24 Feb 2023 supplier can not give a delivery date as yet, once truck arrives the truck has to go to the body fabricator.
Fleet Replace #675 Crew Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 months. As of 24 Feb 2023 supplier can not give a delivery date as yet, once truck arrives the truck has to go to the body fabricator.
Fleet Replace #623 Crew Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 months. As of 24 Feb 2023 supplier can not give a delivery date as yet, once truck arrives the truck has to go to the body fabricator.
Fleet Replace #5006 Tractor	Procurement	New Tractor Delivered February 2023. Project completed.
Fleet Replace #6253 Road Broom	Planning	Unit ordered pending delivery, possibly June/July.
Fleet Replace #1304 Landcruiser	Procurement	As of 1 February 2023, supplier can not give a definite date for supply as yet.
Fleet Replace #1305 Landcruiser	Procurement	New Vehicle delivered. Project Complete, vehicle in service.
Fleet Replace #1323 Triton	Procurement	New Vehicle delivered. Project Complete, vehicle in service.
Fleet Replace #1337 Triton	Procurement	As of 1 February 2023, supplier can not give a definite date for supply as yet.
Fleet Replace #1229 Hilux	Procurement	As of 1 February 2023, supplier can not give a definite date for supply as yet.
Fleet Replace #2052 Triton	Procurement	New Vehicle delivered Feb 2023. Vehicle in service, project complete.
Fleet Replace #1315 Landcruiser	Procurement	New Vehicle delivered Feb 2023. Vehicle in service, project complete.
Fleet Replace #1328 Triton Trayback	Procurement	New Vehicle delivered Feb 2023. Vehicle in service, project complete.
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	Facilities team to review information compiled by Projects and seek confirmation on way forward from EMT 30 March 2023.
Program: 17 Community Buildings		



Project Description	Project Stage	Comments
Coah Tennis Court Replace Timber Poles	Completed	Installation complete.
Aquatic Facility Upgrades & Splash Park	Construction	Construction expected to be complete by 19/05 due to additional works at the splash park transitions to tie in to existing concrete slabs and paved areas that have reached end of life. Concreting work has commenced.
Dimb/Mba/Kda Pools Chloring Dosing Impr	Planning	Facilities working with current Facility manager to confirm works required.
Mba PCYC Shire Hall Part Roof Replacemnt	Completed	Defects have been rectified and awaiting invoice.
MBA Women's Restroom Refurb	Planning	Council resolved to engage MPO to assist with finding tenants for structure. Held over contacting MPO until Tender for Post Office Carpark resolved. Will seek engagement of MPO by 30 March 2023.
MBA Riverside CPark Amenities Replace	Construction	Masonry block wall construction has commenced.
22/23 Shire Toilet Facility Repl Program	Construction	Carpentry and plumbing works to be done internally to save on cost.
MBA Community Hub Signage & Seating	Design	Concept design under assessment.
DIM CPark Shower Septic Modifications	Construction	Works to commence 13 March and to be completed by 7 April - Easter weekend.
MBA New CBD Toilet Facilities	Procurement	Request for quotes has closed and are now under assessment.
22/23 Facilities Refurbishment Program	Not Commenced	Initial Meetings with Projects Team commenced, Facilities and Project team to work through scope of works and define a potential timeline for delivery.
MBA Aquatic Cnt Entrance Upgrade & Paint	Construction	Pathway complete. Planning for landscaping and signage is underway.
KDA Community Prec. Toilet Refurb	Procurement	Plumbing and Carpentry works commenced internally. Painting works out to RFQ.
KDA Aquatic Cnt 25m Pool Auto Fillers	On Hold	Facilities working with current Facility manager to confirm works required.
KDA Aquatic Cnt 25m Pool Cleaner	On Hold	Facilities working with current Facility manager to confirm works required.
KDA Aquatic Cnt 25m Pool Aquaris Upgrade	On Hold	Facilities working with current Facility manager to confirm works required.
22/23 MBA Roof Replacement Program	Construction	Wilkes and Lyons St roofs completed.
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	Construction	Works to be completed internally by Council tradesman.
22/23 DIM Town Hall A/C/Solar/Lighting	Planning	Scoping commenced.
Program: 18 Non-Infrastructure Items		
Kuranda New Cemetery	Design	Detailed design 99% complete, will seek Tenders mid March 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	Preliminary documentation for Masterplan has been received and reviewed for comment. Next stage of documentation due mid April.
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.

9.6	INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - FEBRUARY 2023
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Date Prepared: 15 February 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 February 2023.

RECOMMENDATION

That Council receives the Infrastructure Services, Technical Services Operations Report for February 2023.

BACKGROUND

Technical Services

Design, quality and investigations:

Investigation activities undertaken in February included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	59	9
Drainage Investigations	28	5
NHVR Permit Applications	0	9
Traffic Count Surveys	0	0
Parks Investigations	3	0
Miscellaneous <i>e.g.</i> Planning; Local Laws	18	10
Before You Dig Requests	40	40

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. Testing undertaken on internal Council projects include Ootann Road and Bilwon Road. External testing undertaken for Geo Design, Cook Shire, Earth Test. Businesses are starting to return to work and as a result workload is starting to increase. Wet weather has hampered projects as a result external parties are not yet at capacity.

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
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:

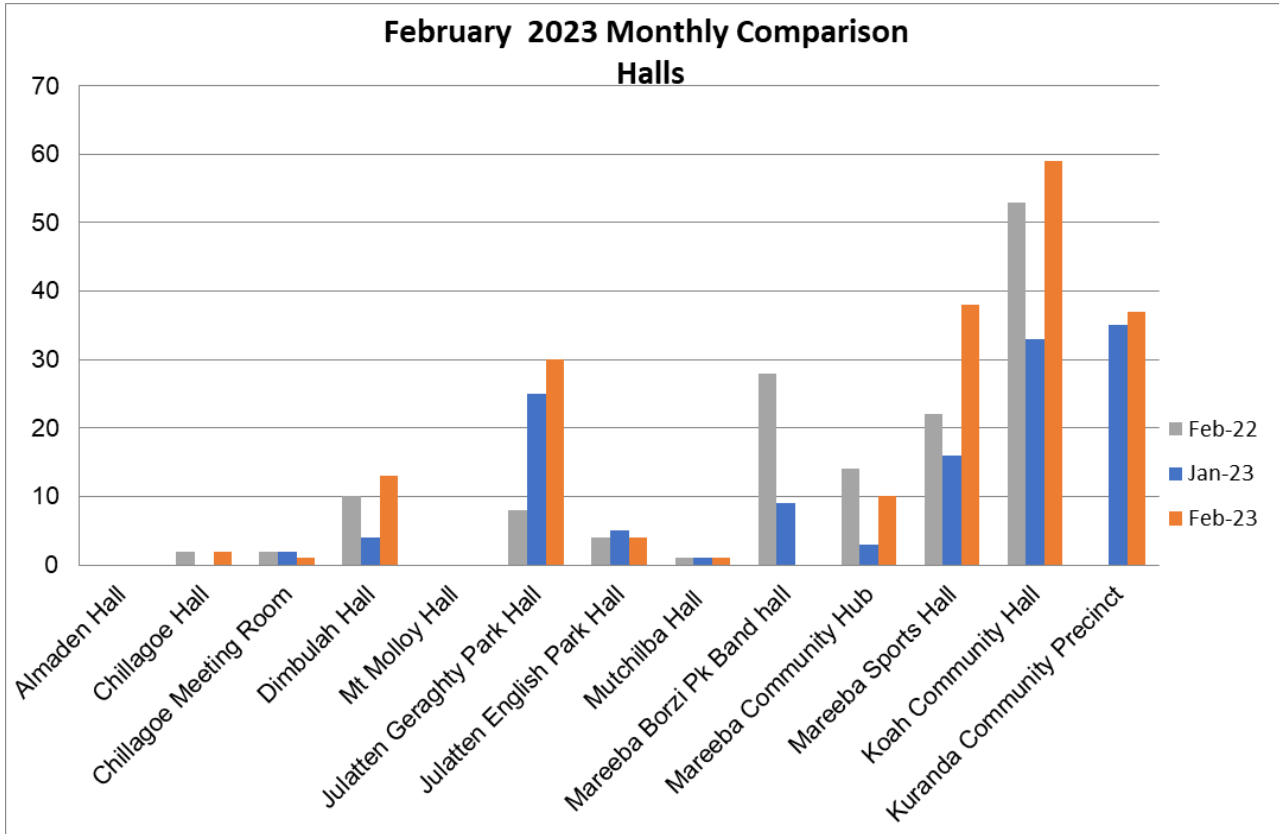
Program	Status
2021 DRFA REPA Program	Works have now been completed on all restoration packages with some minor defect works to be addressed by contractors.
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Council 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. Tenders have been called for the delivery of works in the 2023 dry season.
2022 Betterment	Officers have provided a Betterment proposal to QRA for consideration and discussion. Tenders have been called for the delivery of works in the 2023 dry season.
2023 DRFA	Activation for DRFA assistance has occurred for the Northern and Central Queensland Monsoon and Flooding Event, 20 December 2022 – January 2023, has occurred. Further information on activities completed is provided in the Infrastructure Services – Works Section Activity Report.

Facilities

Community Halls:

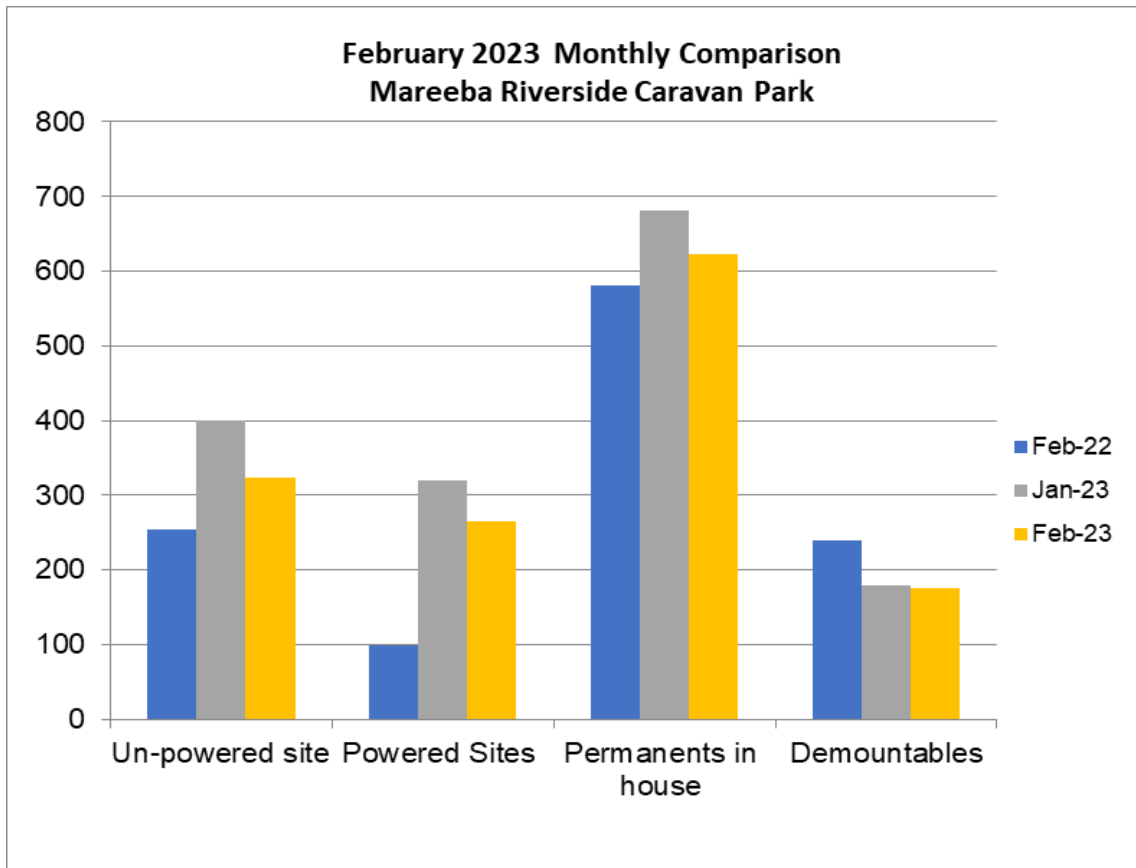
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing.

February hall usage has shown strong improvements against the previous months and year's utilisation.



Caravan Parks:

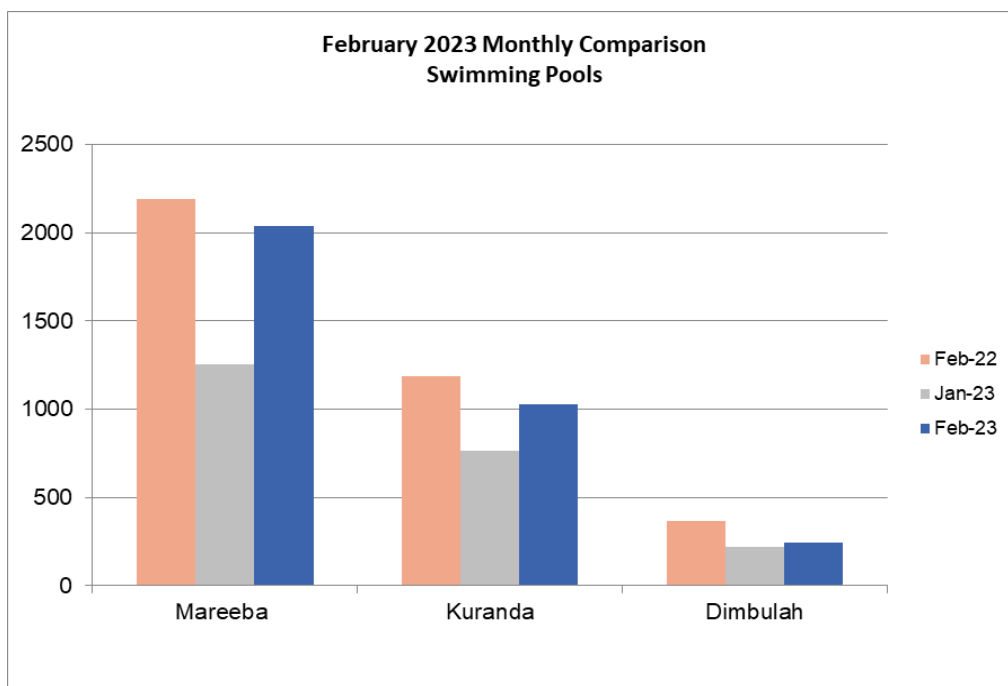
Mareeba Riverside Caravan Park tenant numbers have remained strong across all sectors. Works to replace the Ablution Building are underway.



Aquatic Centres

Council have sought Expressions of Interest from suitably qualified suppliers for the Operation of the Aquatic Facilities, with a long term arrangement to be established 1 July 2023.

Marlin Coast Swimming and Fitness (MCSF) has been engaged under an interim arrangement to operate the facilities until 30 June 2023. Council staff are working with MCSF to provide high level services to the public.



Vandalism & Graffiti:

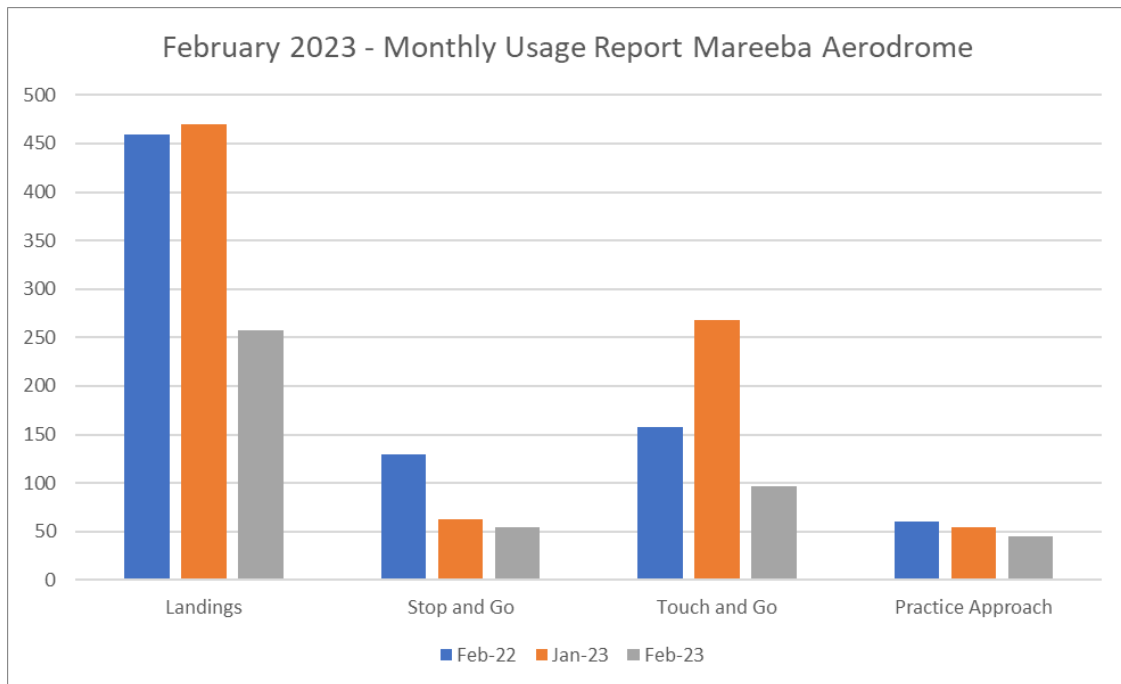
During February, eight (8) reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

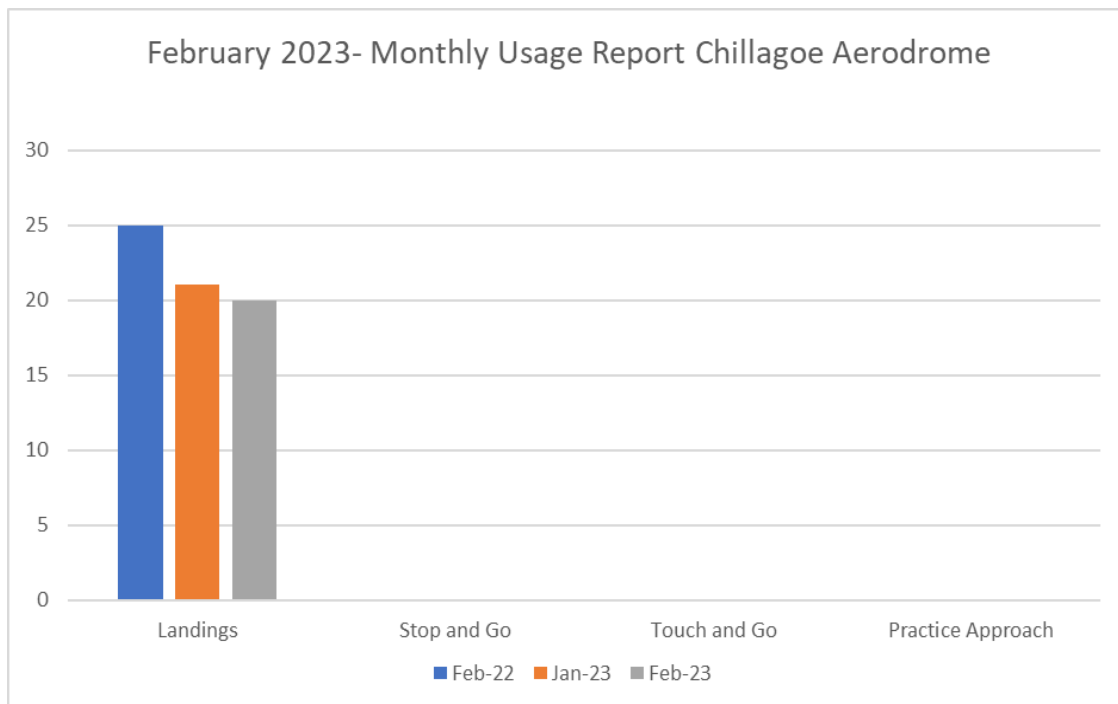
Financial Year	Actuals	Comments – February 2023
2015/16	\$ 2,134.00	<ul style="list-style-type: none"> • Mareeba Sports Hall – Graffiti x 1 • Mareeba Rankin Street Office – Graffiti & Vandalism x 1 • Mareeba Rotary Park toilets - Vandalism x1 • Mareeba CWA Toilets – Vandalism x 1 • Mareeba PCYC Shire Hall - Vandalism x1
2016/17	\$ 16,546.00	
2017/18	\$ 23,948.00	
2018/19	\$ 14,851.00	
2019/20	\$ 14,211.18	
2020/21	\$ 62,199.62	
2021/22	\$ 48,301.12	
2022/23	\$21,280.19	

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 February, 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.

9.7 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - FEBRUARY 2023

Date Prepared: 15 February 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 February 2023.

RECOMMENDATION

That Council:

1. receives the Infrastructure Services, Water and Waste Operations Report for February 2023; and
2. approves the Mareeba Water Treatment Plant Detailed Design of Clarifiers 1 & 2 Project; and
3. acknowledges the funding of \$287,990.97 received from the Queensland State Government under the Building Our Regions Program and Council’s co-contribution of \$71,683.03 to the project.

BACKGROUND

Water and Wastewater Treatment:

All treatment plants are generally performing satisfactorily. Water demand was varied across all schemes. Rainfall in most catchments resulting in decreased consumption per connection.

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)	5,999	766	214	187	90
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,368	780	1,363	688	769

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

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	6,771	243
Number of Connections	3,424	346
Average daily inflow per connection (L)	1,978	702

Mareeba Water Plant Clarifier 1 & 2 process Improvement Project

Council has secured funding through the Queensland Government's Building Our Regions Program in the amount \$287,990.97 with Council's co-contribution being \$71,683.03. As part of the grant agreement conditions, Council is required to formally approve the project and confirm its funding contribution.

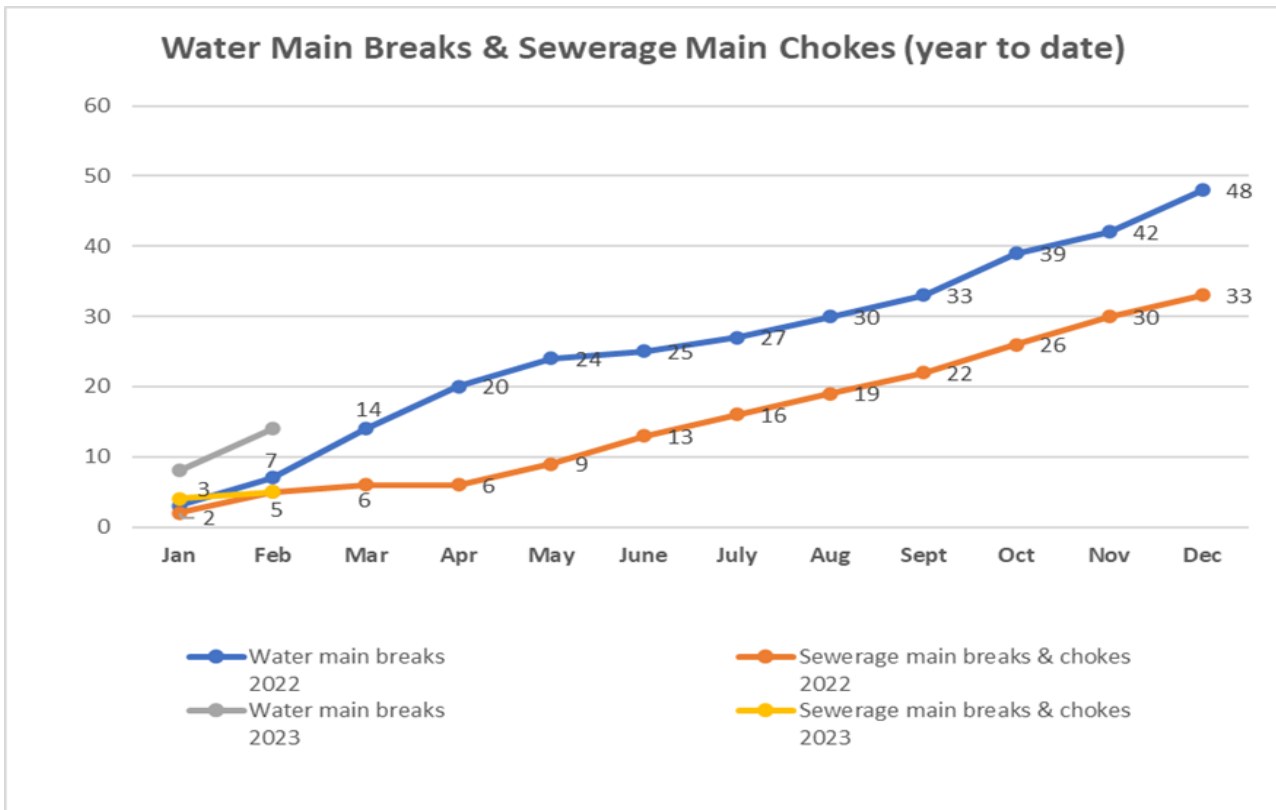
Council has engaged process and civil engineers to identify and design appropriate upgrades to the Mareeba Water Treatment Plant clarifiers. A scope of upgrades has been developed including cost estimates.

Testing to determine the dosing rate and effectiveness of various polymers has been completed and the findings have been implemented. A temporary sludge return system is in the process of being setup to validate the efficacy of an activated sludge process and sludge return. Following validation of the process, the detailed design will be finalised.

Water and Wastewater Reticulation:

Council's water reticulation crew attended to fourteen (14) water main breaks, and five (5) 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:

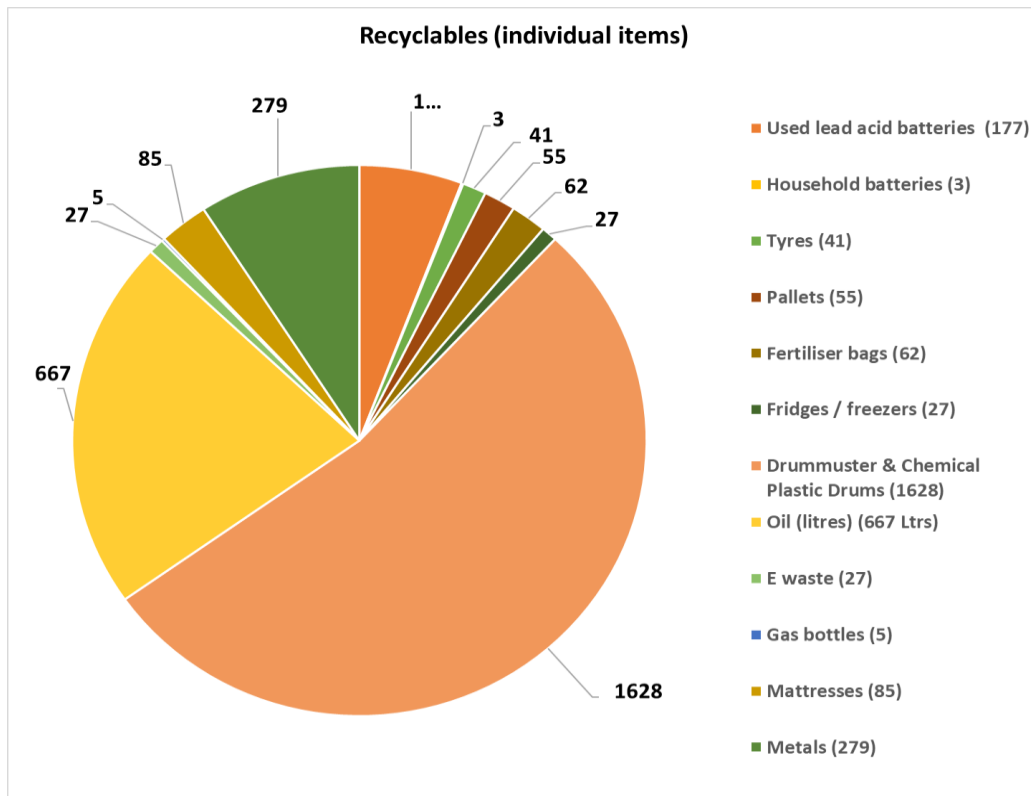
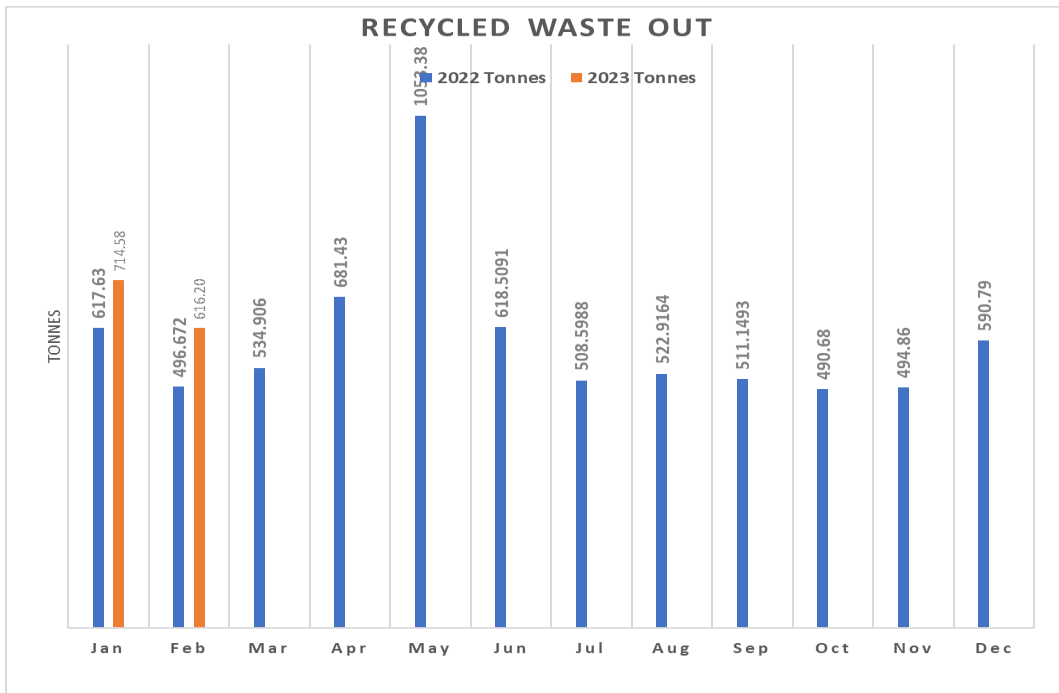


Waste Operations:

ARUP’s work on the Regional Resource Recovery Plan is continuing with the draft to Council provided on 3 March. Council’s feedback on the draft plan to be provided to ARUP by 10 March and discussions with individual Councils is being held on 14, 16 and 17 March.

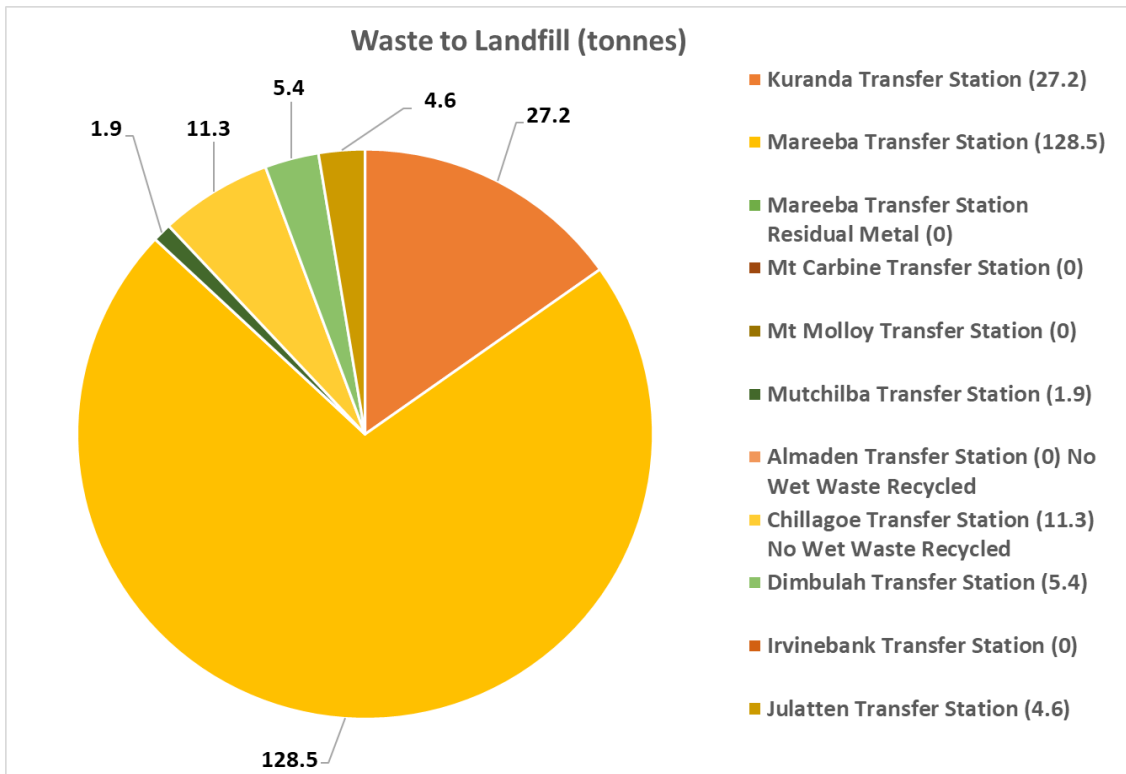
Recycling

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.



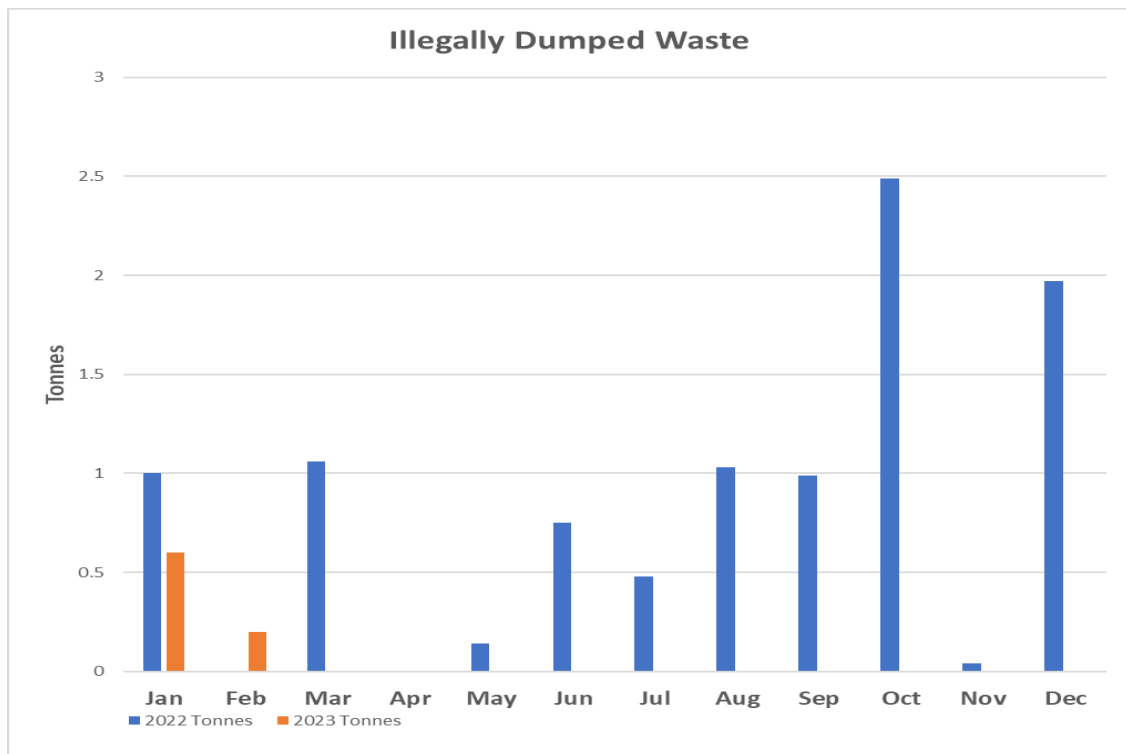
Waste to Transfer Stations

Transfer Station dry waste is transported off site to the Springmount Waste Facility and for the month of February 168 tonnes was landfilled.



Illegally Dumped Waste

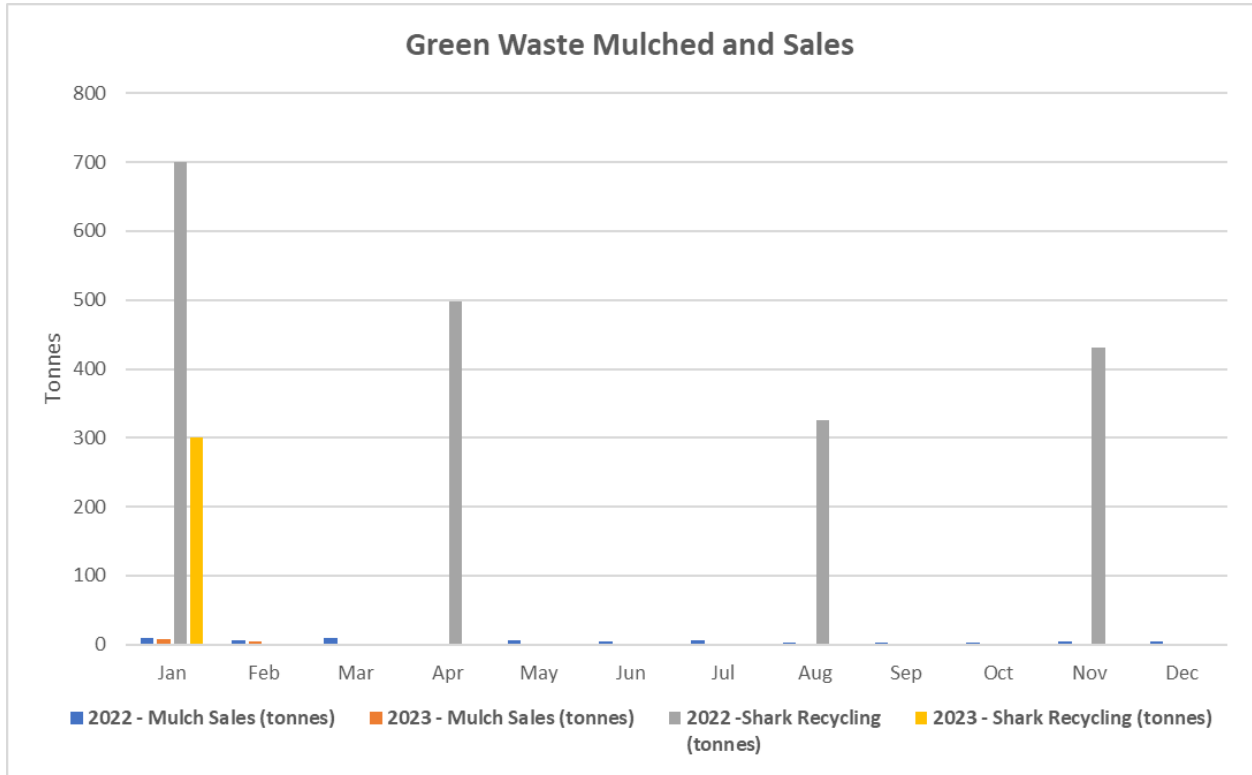
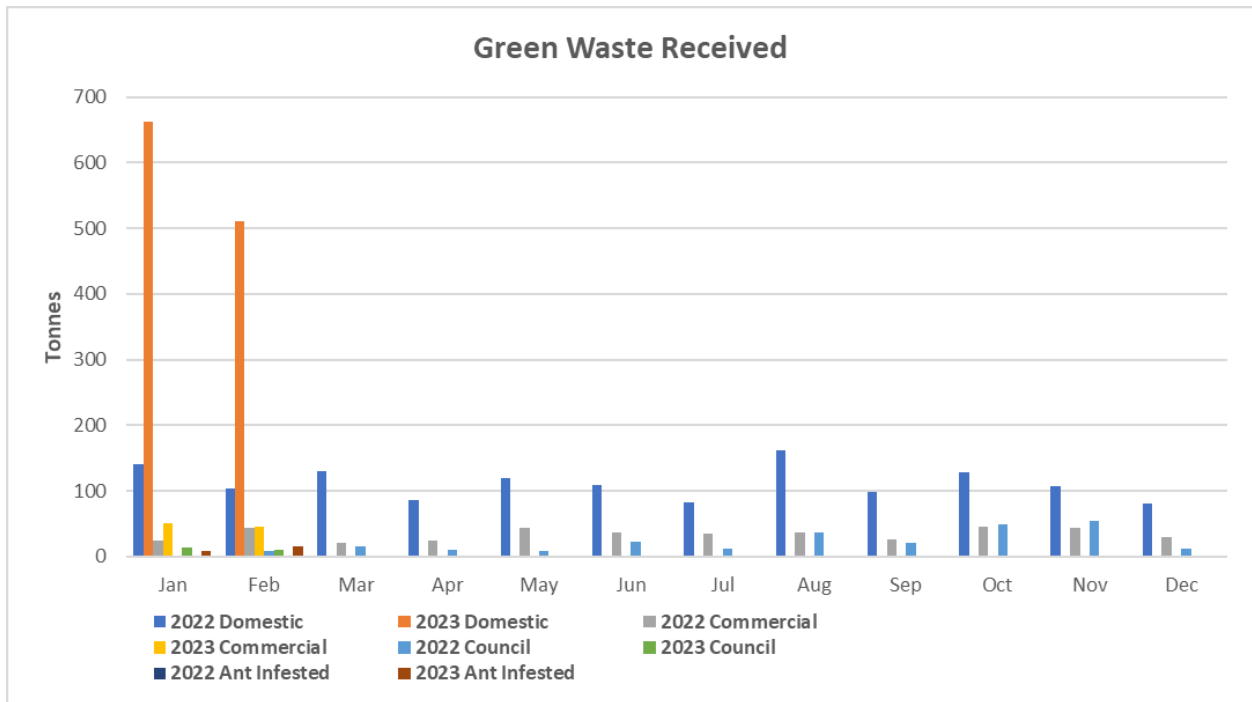
There were 0.2 tonnes of illegally dumped waste recorded through Waste Transfer Stations during the month of February. This does not include the illegal dumping on TMR Roads.



Green Waste

During February, Council received a total of 566 tonnes of green waste with Kuranda recording 15 tonnes of Electric Ant contaminated green waste.

Free Green Domestic Waste days are scheduled for the weekend of 1 and 2 April.



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**Capital**

Nil

Operating

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

9.9 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - FEBRUARY 2023**Date Prepared:** 3 March 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 February 2023.

RECOMMENDATION

That Council receives the Infrastructure Services, Works Progress Report for the month of February 2023.

BACKGROUND**Transport Infrastructure**Emergent Works

Mareeba Shire Council is now eligible for DRFA funding following the activation of the shire under the Northern and Central Queensland Monsoon and Flooding 20 December 2022 to January 2023 event.

Works crews have been undertaking emergent work on the following roads within the shire in February;

Area	Road Name	Area	Road Name
All Areas	Pothole Patching	Irvinebank	Alice Street
Mareeba	Roiko Road	Irvinebank	Ibis Dam Road
Mareeba	Martin Road	Irvinebank	Rubina Terrace
Mareeba	Reynolds Street	Almaden	Ootann Road
Mareeba	Fassio Road	Almaden	Almaden Transfer Station Road
Watsonville	West Bischoff Mill Road	Almaden	Main Street
Watsonville	Eichblatt Road	Almaden	School of Arts Road
Watsonville	Walsh River Road	Dimbulah	Braund Road
Watsonville	Bischoff Mill Road	Dimbulah	Mt Mulligan Road
Irvinebank	Pedersen Road	Kuranda/Julatten	Tree Removal

To date, 155 roads across the Shire have been inspected and photographed and crews are working hard to undertake emergency repairs where required. Ongoing rain is hampering temporary and immediate repair efforts and in numerous cases repair works have had to be redone, particularly in the Almaden, Watsonville and Irvinebank areas.

In the first two (2) months of the calendar year crews have used approximately 77 tonnes of blade mix and 1,800 litres of cationic bituminous emulsion for patching potholes that are occurring due to the persistent wet weather.

General Maintenance

Activity	Location
Drain Cleaning	Mareeba Rail Trail, Reynolds Street, Kennedy Street
Handrail and Step Repair and Installation	Byrnes Street
Herbicide Spraying	Mareeba, Mutchilba and Dimbulah areas
Unsealed Road Maintenance Grading	Pump Road, Mt Carbine Cemetery, Mt Carbine Waste Transfer Station, Mt Spurgeon Road, Weston Road, West Mary Road, East Mary Road, Black Mountain Road (Julatten)
Slashing (MSC Staff)	Myola Road, Crothers Road, Green Forest Road, Boyles Road, Hickory Road, Rosewood Road, Barnwell Road, Kingfisher Drive, McKenzie Road, Jarawee Road, Fairyland Road, Christensen Road, Kuranda Heights Road, Black Mountain Road (Kuranda), Main Street, Wetherby Road, Brown Street, Fraser Road, Carr Road, Button Close, Highland Drive, Bicentennial Lakes, West Mary Road, East Mary Road, Mt Carbine Cemetery, Mt Molloy Cemetery
Slashing (Contract Round 1 – to end of February)	Roiko Road, La Spina Road, Standen Road, Bryde Road, Martin Road, Roos Road, Cane Road, Chewko Road, Paglietta Road, Harrigan Road, Narcotic Creek Road, Healy Road, Plozza Road, Chettle Road, Macadamia Close, Arriga Road, Springmount Road, Cascade Close, Oakey Valley Road, Lemon Tree Drive, Ray Road, Cater Road, Shaban Close, Coolamon Close, McIver Road, Tilse Street, Jennings Road, Slape Road, George Fabris Road, Beaufort Road, Ellery Road, Sid Bek Road, Venture Road, Mines Road, Gallo Drive Drains, Martin Avenue, Wylandra Drive Drains, Seary Road, Seary Road Drains, Torrisi Road, Kenneally Road, Brunelli Road, Emerald End Road, Country Road, Malcolm Close, Emerald End Close, Copine Road, Tinaroo Creek Road, Fichera Road, Henry Hannam Drive, Cobra Road, Emerald Falls Road, Lockwood Road, Leonardi Road, Malone Road, Bellevue Close, Malone Road, Sabin West Road, Wright Road, Coronet Drive, Emerald Heights Road, Rozel Close, Springs Road, Fassio Road, Steggles Hatchery Road, McMillan Road, Brooks Road, Hawkins Road, Beh Road, Cetinich Road, Rains Road, Carmen Road, Byrnes Road, Gentile Road, Randazzo Road, Tyrconnell Road, Bower Road, McBean Road, Stanton Road, North Walsh Road, Kimalo Road, Blacks Road, Adil Road

Customer Requests

During the month of February, the Works Group received 192 Customer Requests (CRs) with 274 resolved (resolved requests include those received prior to February 2023). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
February	151	33	8

At the time of reporting, the Works Group had 78 open requests.

Bridges and Major Culverts

Bridges and major culverts on the following roads were inspected and cleared of debris as a result of the wet season rains.

- Springs Road, Paddy's Green
- Bakers Road, Southedge
- Roiko Road, Mareeba
- Chewko Road, Mareeba
- Oakey Valley Road, Mutchilba
- Henry Hannam Drive, Mareeba
- Springmount Road, Mutchilba

TMR Routine Maintenance Performance Contract (RMPC)

Wet weather callouts continued across the state-controlled network within Mareeba Shire. Emergent works were attempted on the Burke Developmental and Herberton - Petford Roads but stalled in some sections due to rain. Water filled barriers were placed at the site of the embankment slip on the Mareeba - Dimbulah Road at Granite Creek under DRFA Emergent Works.

Pothole patching was undertaken on the Burke Developmental Road, Herberton - Petford Road, Mareeba - Dimbulah Road and the Mossman - Mount Molloy Road. Herbicide spraying continued on the Mossman - Mount Molloy Road and the Mulligan Highway. Landslides and timber were cleared on the Rex Range and the roadside slashing was completed on the Mulligan Highway.

Parks and Open Spaces

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

- Replaced swing seats at Mt Molloy, Mareeba, Dimbulah, and Kuranda
- Replaced three (3) fence panels at Centenary Park, Mareeba
- Mow and maintain Biboohra township
- Contractors – Mow and maintain Irvinebank township and Watsonville Cemetery
- Burials
 - Dimbulah x 1
 - Mareeba x 5
- Projects
 - Commenced removal of the unwanted shrubbery at the Mareeba Aquatic Centre
 - Continue working on the Anzac Park landscaping plan

Land Protection

Parthenium Weed: Inspections carried out on 12 sites. All landholders are complying with their biosecurity obligation. Land protection officers continue to monitor the sites.

Navua Sedge: The second round of roadside spraying on local controlled roads has been completed in the Mt Molloy/Julatten area.

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

Feral Pigs: Landholders given advice on baiting, shooting and trapping. Two (2) pigs have been trapped during February, one (1) in the Mareeba area and one (1) in Mt Molloy

Rabbits: One (1) landholder in Mutchilba has started free feeding rabbits with a possible Calicivirus release in the coming days.

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