

9 INFRASTRUCTURE SERVICES

9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - JANUARY 2023

Date Prepared: 2 February 2023

Author: Manager Assets and Projects

Attachments:

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

RECOMMENDATION

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

Infrastructure Services Capital Works Report Project Highlights – January 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.

\$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.

Progress Update

A new retaining wall and security fence has been constructed. The Children's Pool and 50m Pool are both operational and open to the public. Preliminary site clearing work is continuing and progress on construction of the splash park foundation is constrained by the current wet weather event causing the site to be waterlogged. Site clearing and preparation for the heat pump including upgrading the Ergon Transformer is underway.



Mareeba Aquatic Centre Splash Park Render

Infrastructure Services Capital Works Report Project Highlights – January 2023



Mareeba Aquatic Centre Ergon Energy Transformer Upgrade



Site preparation for heat pump installation

Infrastructure Services Capital Works Report Project Highlights – January 2023



Project Name: Bicentennial Lakes Upgrade

Background

As part of Council's Parks and Open Spaces 3 year Action Plan, Bicentennial Lakes will be upgraded to contribute to building a safe, connected and liveable community. The Queensland Government has committed up to \$166,200 in funding on a 60:40 basis with Council towards the design of the upgrade, with a vision to creating an attractive, safe and accessible public recreation space for the community.

Scope of Work

Council has engaged a consultant to undertake detailed which includes survey, investigation and design to produce costed, construction-ready plans for upgrade of the northern and southern sections of Bicentennial Lakes. This will be used to develop a scope of work for construction and will be informed and confirmed via community and stakeholder engagement.

Progress Update

Planning and preliminary draft design sketches for Bicentennial Lakes Upgrades 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 – January 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 masonry block wall construction has commenced.



Riverside Caravan Park New Amenities Block Under-slab

Infrastructure Services Capital Works Report Project Highlights – January 2023



Riverside Caravan Park New Amenities Block Concrete Slab and Plumbing



Riverside Caravan Park New Amenities Block Masonry Block Wall Construction

Infrastructure Services Capital Works Report Project Highlights – January 2023



Project Name: Granite Creek Sewerage Pump Station Upgrade Project

Program: Wastewater

Background

An allocation has been provided in the 2021/22 Capital Works Program to renew and upgrade the Granite Creek Sewage Pump Station, located on Byrnes Street, adjacent to Granite Creek. The ageing infrastructure is rapidly deteriorating and reaching capacity, is inadequate to achieve current safety standards for servicing and maintaining the asset, and there have been numerous odour complaints about the pump station in its present form.

The upgraded pump station will meet current design standards and cater for future growth in the catchment area, which includes all sewered areas of the Mareeba township south of Granite Creek.

Scope of Works

The scope of works includes removal of the existing pump station building, pumps, pipework and associated services, and construction of a new dry well, supply and installation of new pumps, pipework, valves and switchboard. Wastewater will need to be bypassed during construction and the scope of works includes provision of a temporary aboveground bypass system and standby pump for the duration of the project.

Progress Update

Works to install the external pipe work and flow meter completed, the internal protective coating which has been applied to the walls and ceiling is all but complete with the floor yet to be coated once the concrete curing period has been achieved.



New pump station with external pipe work installation

Infrastructure Services Capital Works Summary Report January 2023



Project Description	Project Stage	Comments
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
2021/22 Reseal & Asphalt Program	Close Out	Project completed August 2022.
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	QRA submission provided Dec 23, await negotiations with QRA.
Program: 02 Gravel Resheet		
2021/22 Gravel Resheet Program	Close Out	Works Group have changed to 22/23 project number & this project will be closed out when commitments clear. Project complete August 2022.
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		
R2R Reynolds St Mba Replace K&C	Close Out	Project completed August 2022. As constructed ongoing by GIS Officer.
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 Ch 7.01-9.325 Rehab	Construction	2nd coat seal to be applied February 2023, weather permitting.
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	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	No further progress on this project due to wet weather.
R2R Bilwon Rd Rehab & Culverts	Planning	Survey underway, design to commence.
R2R Wolfram Rd Stage 3 Priority Sections	Procurement	Project may be delayed due to emergent works across the shire. Procurement has been completed.
Program: 05 Bridges		
BRP4 Kanervo Rd Davies Cr Br Rplc Bridge	Completed	Project completed November 2022. Bridge asphalt deck surface was damaged in the recent rain event & will be repaired under DRFA arrangements. The final claim has been prepared & will be sent once the existing commitments are extinguished.
BRP5 Davies Ck Road Bridge Replacement	Completed	Construction complete July 2022 & funding acquitted. Final certification is ongoing.
Granite Ck Mba Replace Footbridge Deck	Procurement	Project will 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.
Kauri Ck Bridge Speewah Rd Repl. Girders	Close Out	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		
21/22 Minor Culvert & C/ways Renewal	Close Out	During August culvert repairs were completed at Pin Road, Wright Road & Leafgold Weir Road. Project complete August 2022.
Amaroo Mba Drainage Upgrade Stage 2	Close Out	Project completed August 2022.

Infrastructure Services Capital Works Summary Report - January 2023



Project Description	Project Stage	Comments
22/23 Minor Culvert & C/ways Renewal	Construction	Driveway access pipe removed. Works complete at McIver 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 to February 2023.
Tilse Street Upgrade Drainage	Not Commenced	Council's contribution to trunk infrastructure, drainage for Prestige Gardens.
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	Preliminary design completed. Reviewing alternative options.
Program: 09 Footpaths		
21/22 Footpath Renewal Program	Close Out	Completed.
MBA Rail Trail Stage 1 Mba to Airport	Completed	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.
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		
Parks & Open Spaces Strategy	Close Out	Parks and Open Spaces Strategy and 3 year action plan adopted by Council in February 2022. Refer attached report for progress updates on individual projects.
Mba Off road Trails Masterplan	Cancelled	Project Cancelled.
LRCIP2 21/22 Park Entrance Sign Renewal	Close Out	10 Acre Park sign has been installed. Project complete August 2022.
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.
MBA Byrnes St Traffic Islands (BP)	Not Commenced	Construction will not start until after Anzac Day. 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.

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Project Description	Project Stage	Comments
MBA Sunset Park Exercise Equip Renew	Cancelled	Project Cancelled.
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 Amaro 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		
WTP Staged start up water pump upgrade	Cancelled	Design process has commenced with on site inspection in early September, survey and locations works completed and RFI feedback sent to designer so design can be progressed.
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 clarifier 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.
W4Q4 Mba AC & Defunct Pipe Rplcmnt 2.5km	Close Out	Completed September 2022.
Mba WTP Study for Upgrade of WW System	Construction	Works progressing well and now scheduled for completion this financial year.
MWTP 5ML Reservoir Roof Replacement	Close Out	Works now finished.
BOR6 MWTP Filtration Upgrade	Design	Project has been issued for tender, once tender closes it will be assessed and taken to Council for consideration.
MBA Clear Water Booster Pump Station	Design	Design on project originally set for completion late January and expecting to go to tender mid February, however some design delays may see it out to tender late February.
22/23 Water Pipe Renewal Program	Construction	Works have been delayed due to recent monsoon rainfall and will recommence as soon as practically possible.
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 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	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.

Infrastructure Services Capital Works Summary Report - January 2023



Project Description	Project Stage	Comments
MBA Deommission 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.
MBA WTP Chemical Bund	Close Out	Works now complete.
DIM Caustic Soda Dosing Pumps & Shed	Close Out	Project works are done, once commitments are cleared the project can be closed out.
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.
DIM WTP Standby Generator Replacement	Close Out	Works completed.
Program: 12 Wastewater		
Mareeba Aeration diffusers every 5 years	Close Out	Works now complete.
21/22 W/water Telemetry/SCADA Upgrades	Close Out	Works completed.
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	Works should be completed by end of February or early March, inclement weather has hampered the internal coating works.
21/22 Mba Pump Stn Magflow Install Prog	Close Out	Project complete.
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 is currently out to tender, once tenders are received they will be assessed and taken to Council for consideration.
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	Generators and site shelters installed, awaiting electrical and telemetry connections when suitably qualified trades people are available.
22/23 MBA Sewer CCTV & Relining	Construction	Works commenced in January but the contractor has had to stop due to monsoon rainfall, they will recommence works as soon as possible.
22/23 Manhole Rehab & Replace Program	Construction	Works recommenced in January with project due for completion by June.
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 on order with potentially a six month lead time for delivery.
Minor WW Pump Station Refurbishments	On Hold	Project to be carried forward to 2023-2024 capital Program.

Infrastructure Services Capital Works Summary Report - January 2023



Project Description	Project Stage	Comments
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		
KWTS Weighbridge & Gatehouse	Close Out	In negotiations with weighbridge about final invoicing, at this stage not in agreeance with supplier and trying to resolve as soon as possible. Supplier taking time to respond.
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	Funding deed not back from provider for final sign off, baler on order with long lead time on delivery.
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	GPS tracking equipment to be procured as part of fleet replacement program rather than one large capital expenditure.
Hydro Vac to Replace Jet Rodder	Close Out	Secondhand Truck Mounted Hydrovac unit purchased, Unit available for service 1 October 2022.
Fleet Replace #676 Civil Works Truck	Close Out	Project Completed May 2022.
Fleet Renewal #509 Backhoe	Close Out	New machine delivered 2nd August 22.
Fleet Replace #4053 Husqvarna Zero Turn	Close Out	Project completed, August 2022.
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	Unit received and being prepared for commission.
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	Unit received and being prepared for commission.
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	Unit received and being prepared for commission.
Fleet Replace #1315 Landcruiser	Procurement	Unit received and being prepared for commission.
Fleet Replace #1328 Triton Trayback	Procurement	Unit received and being prepared for commission.
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.
Kowa St MSC Depot New Fuel Bowser	Not Commenced	Planning to commence in second half of financial year.
Program: 17 Community Buildings		
Koah Tennis Court Replace Timber Poles	Completed	Installation complete.
Kitchen replacement program	Construction	New kitchen installed at 12/27 Lawson Street.
Internal painting for five properties	Not Commenced	
Aquatic Facility Upgrades & Splash Park	Construction	Construction and concrete slab preparation continuing slowly as wet weather constraints continuing.

Infrastructure Services Capital Works Summary Report - January 2023



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 Leagues Club Grandstand Refurb	Close Out	Sustained inclement weather April-May impacted Contractors work commitments. Works scheduled for completion mid- July 2022. Work complete week 11-15 July.
Mba PCYC Shire Hall Part Roof Replacemnt	Completed	Defects have been rectified and awaiting invoice.
LRCIP2 21/22 Shire-wide Ablution Ref Pg	Close Out	Close out.
Mba Library - Laurie Tracona Youth Space	Procurement	
MBA Women's Restroom Refurb	Planning	No tenders received. Real estate agent to be engaged to lease facility.
MBA Riverside CPark Amenities Replace	Construction	Masonry block wall construction has commenced.
22/23 Shire Toilet Facility Repl Program	Planning	Request for Quote being prepared
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. Wet weather has delayed commencement.
MBA New CBD Toilet Facilities	Procurement	Request for quotes has closed and are now under assessment.
MBA Purchase Leagues Club Land	Not Commenced	
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. Planning for landscaping and signage is underway.
KDA Community Prec. Toilet Refurb	Planning	Scope has been developed, ready for procurement.
KDA Aquatic Cnt 25m Pool Auto Fillers	On Hold	On hold pending completion of Tender Process.
CHI Hub Sign Replacement	Cancelled	Following Community meeting in Chillagoe, project put on hold until further notice.
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.
22/23 MBA Bitument Driveway Renewals	Close Out	Works completed November 2022.
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 Program	Planning	Scoping commenced.
22/23 DIM Town Hall A/C/Solar/Lighting	Planning	Scoping commenced.
Program: 18 Non-Infrastructure Items		
Kuranda New Cemetery	Design	Draft Civil Plans received for commentary. Tender for construction to be undertaken March 2023, with construction in dry season of 2023.
ICT - Annual Cloud Implementation	Not Commenced	No projects currently committed.
DRFA Flood Warning Infra Network (Rn)	Close Out	Project Complete.
Telephone Handsets PABX Replcmnt Prog	Not Commenced	Project has yet to commence.
Kuranda Columbarium Wall	Close Out	Project complete June 2022.
MBA Rankin St Building UPS	Not Commenced	Project has yet to commence.
MBA Rankin/Kowa St Network Switches	Not Commenced	Project has yet to commence.
New Total Station Tilting Auto Pole	Close Out	Preparing financial close out.
MBA Cemetery Lawn Plaque on Beam	Close Out	Second beam completed December 2022.
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		

Infrastructure Services Capital Works Summary Report - January 2023



Project Description	Project Stage	Comments
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.

9.3 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - JANUARY 2023

Date Prepared: 2 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 January 2023.

RECOMMENDATION

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

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

Investigation activities undertaken in January included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	50	7
Drainage Investigations	18	5
NHVR Permit Applications	0	13
Traffic Count Surveys	0	0
Parks Investigations	5	0
Miscellaneous e.g. Planning; Local Laws	4	1
Before You Dig Requests	44	44

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. The laboratory was closed during January, reopening February.

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:

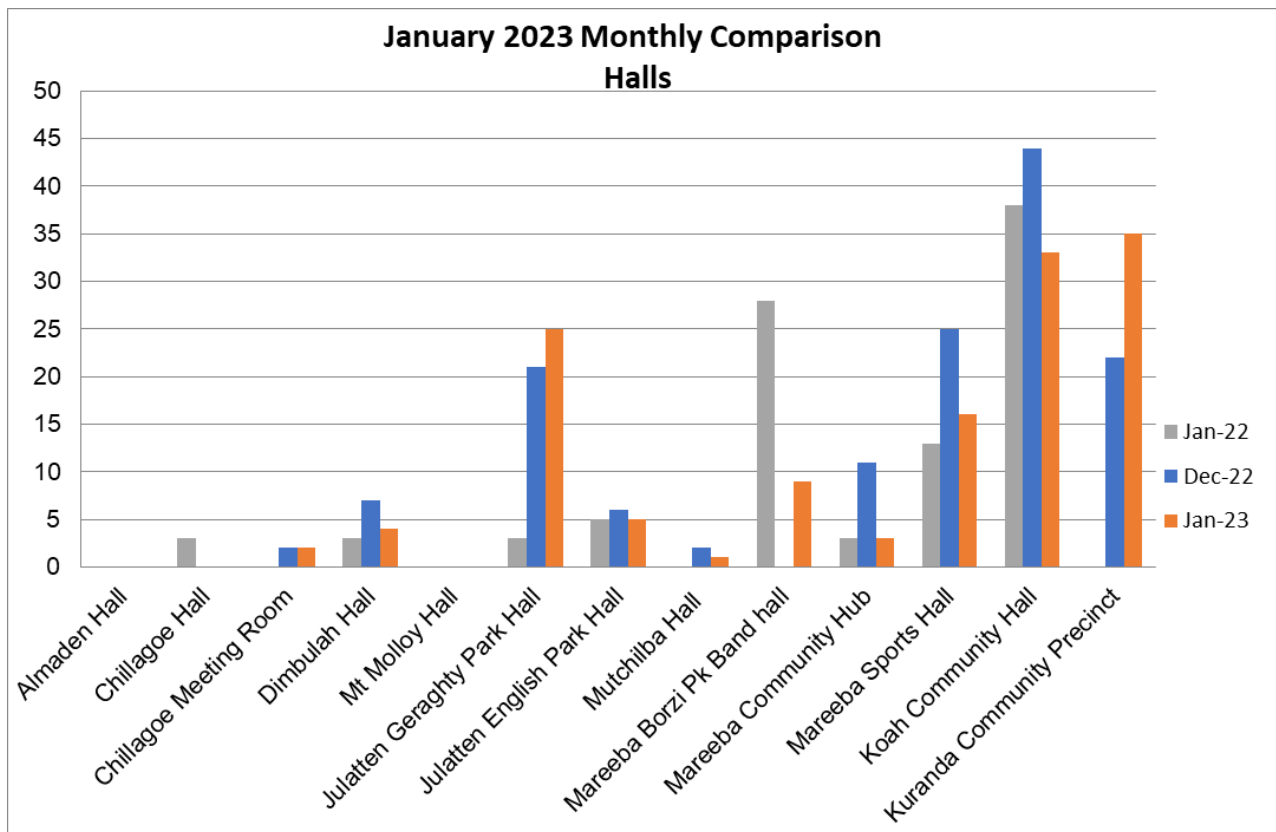
Program	Status
2021 DRFA REPA Program	Works have now been completed on all restoration packages with some minor defect works to be addressed by contractors.
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Council 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.
2022 Betterment	Officers have provided a Betterment proposal to QRA for consideration and discussion.
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:

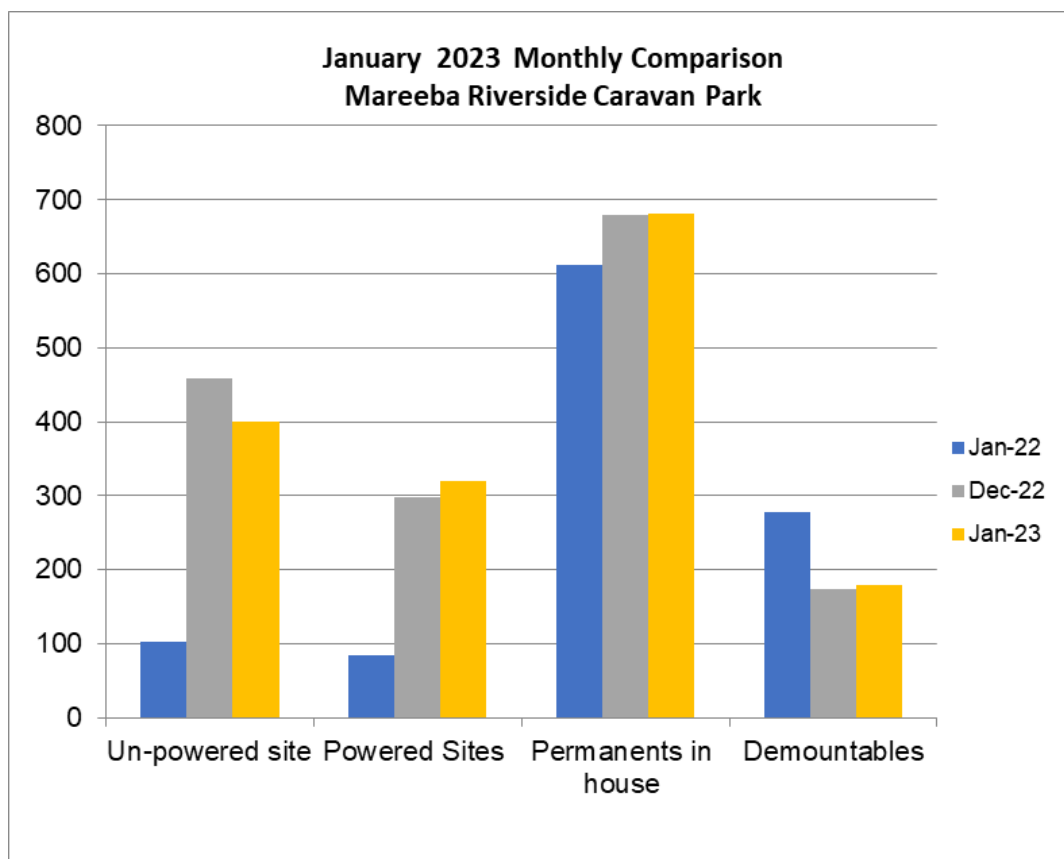
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing.

January 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 (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:

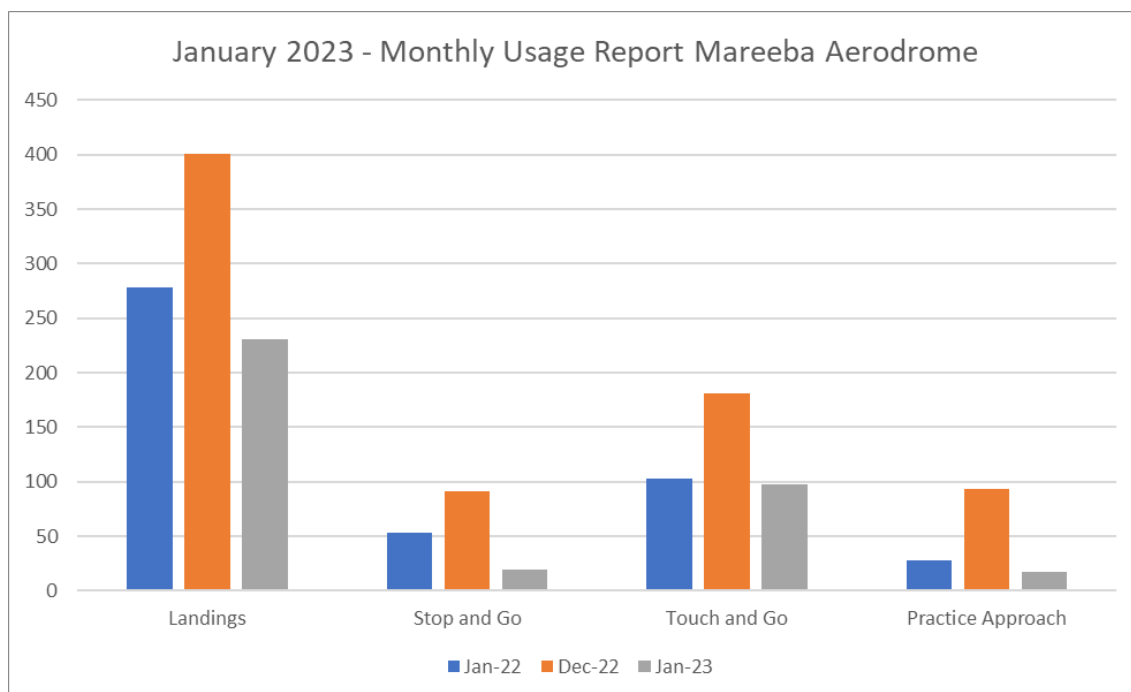
During December, eight (8) reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

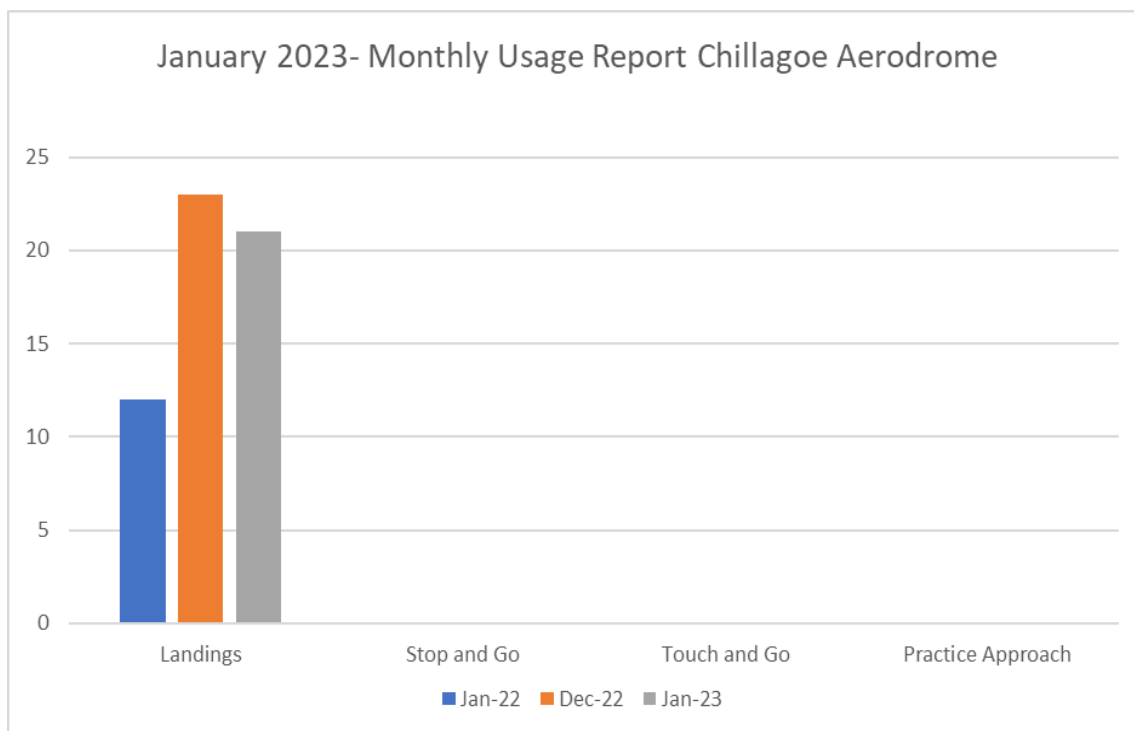
Financial Year	Actuals	Comments – January 2023
2015/16	\$ 2,134.00	<ul style="list-style-type: none"> • Mareeba CWA Toilets -Vandalism x2 • Mareeba CWA Toilets – Graffiti x1 • Mareeba CWA Restrooms - Vandalism x1 • Mareeba Rotary Park toilets - Vandalism x1 • Dimbulah Memorial Hall - Vandalism x1 • Kuranda Centenary Park toilets - 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	\$18,868.60	

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.

9.4 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - JANUARY 2023

Date Prepared: 2 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 January 2023.

RECOMMENDATION

That Council receives the Infrastructure Services, Water and Waste Operations Report for January 2023.

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)	5,815	778	178	196	81
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,326	792	1,134	721	717

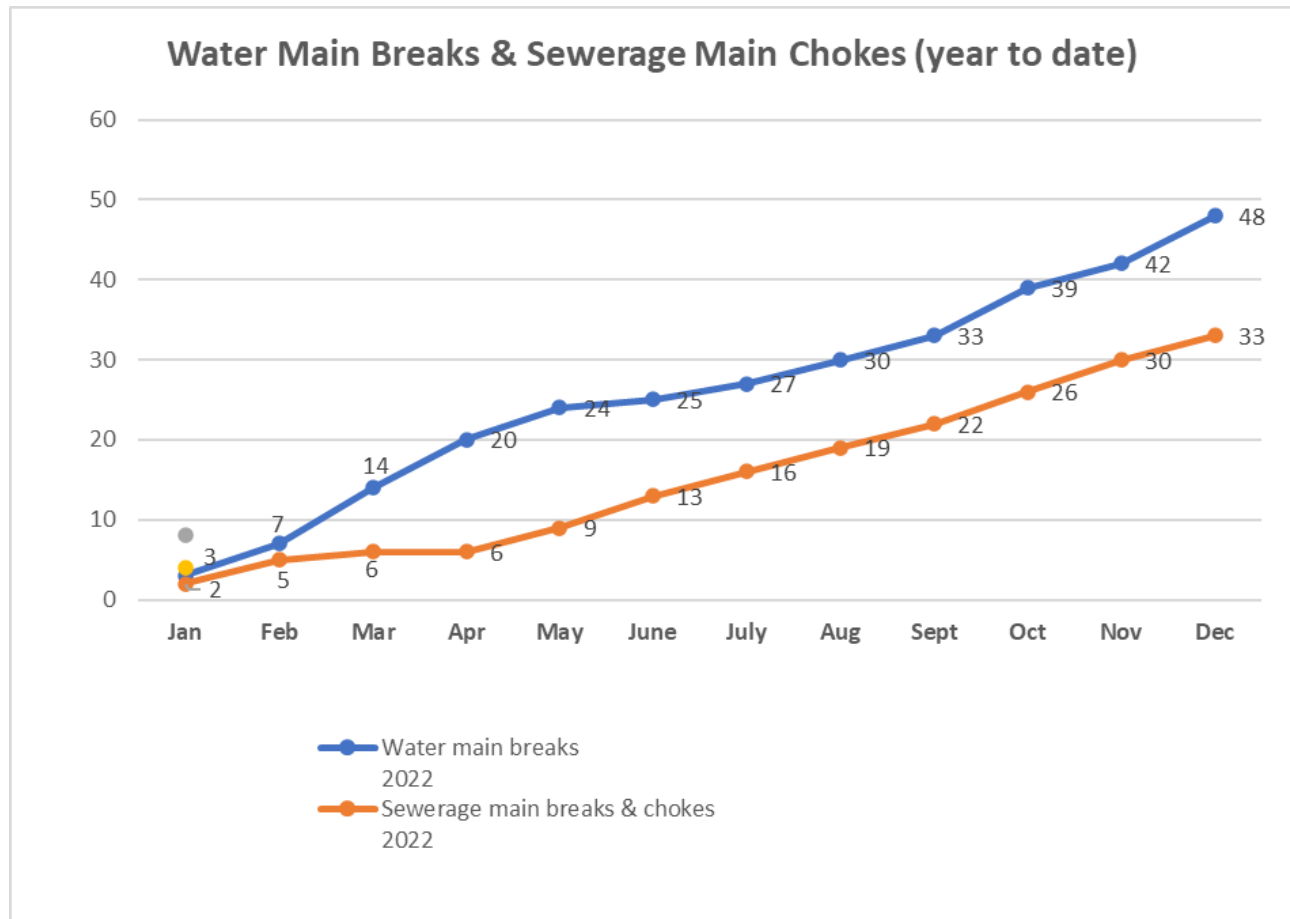
* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	6,386	244
Number of Connections	3,424	346
Average daily inflow per connection (L)	1,856	705

Water and Wastewater Reticulation:

Council's water reticulation crew attended to eight (8) water main breaks, and four (4) 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:

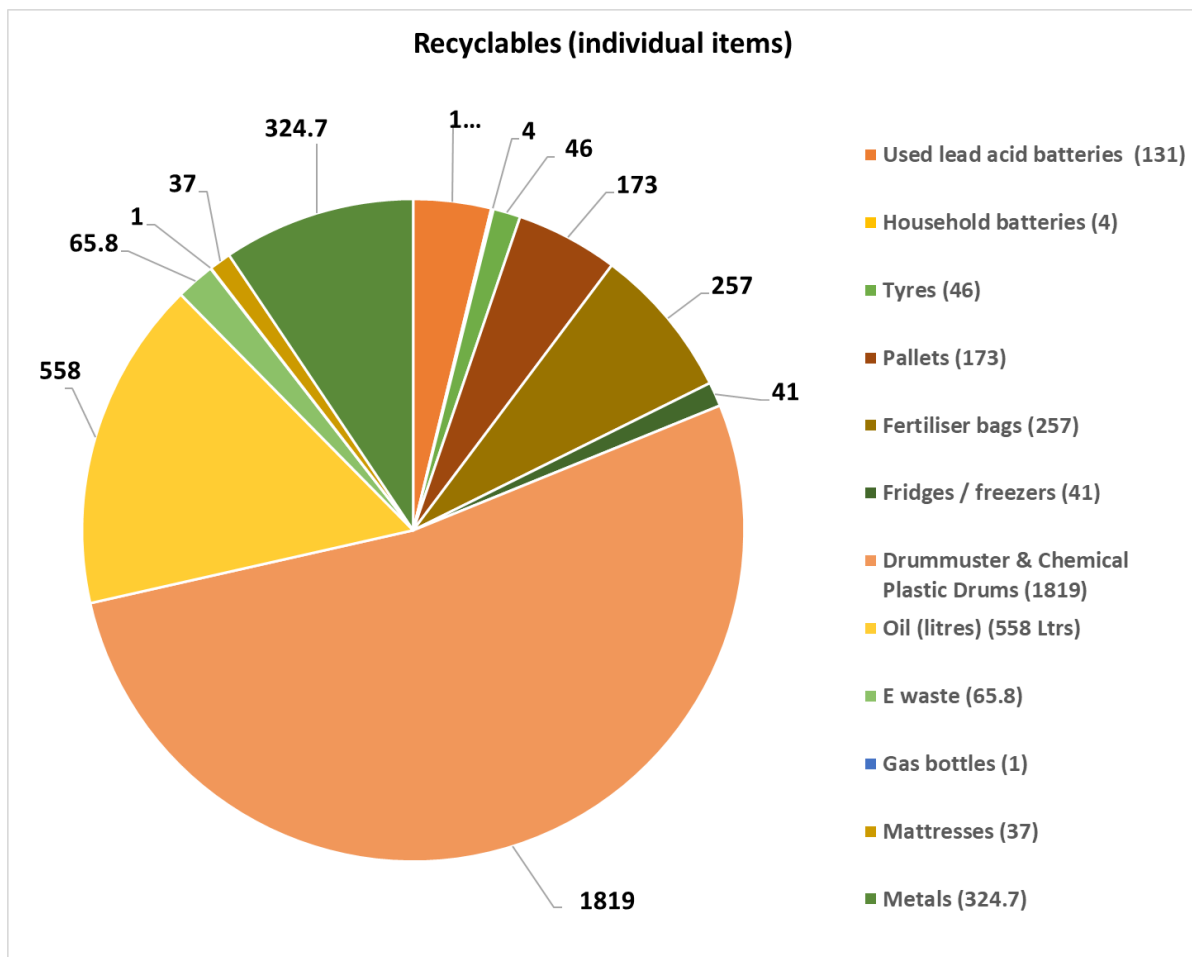
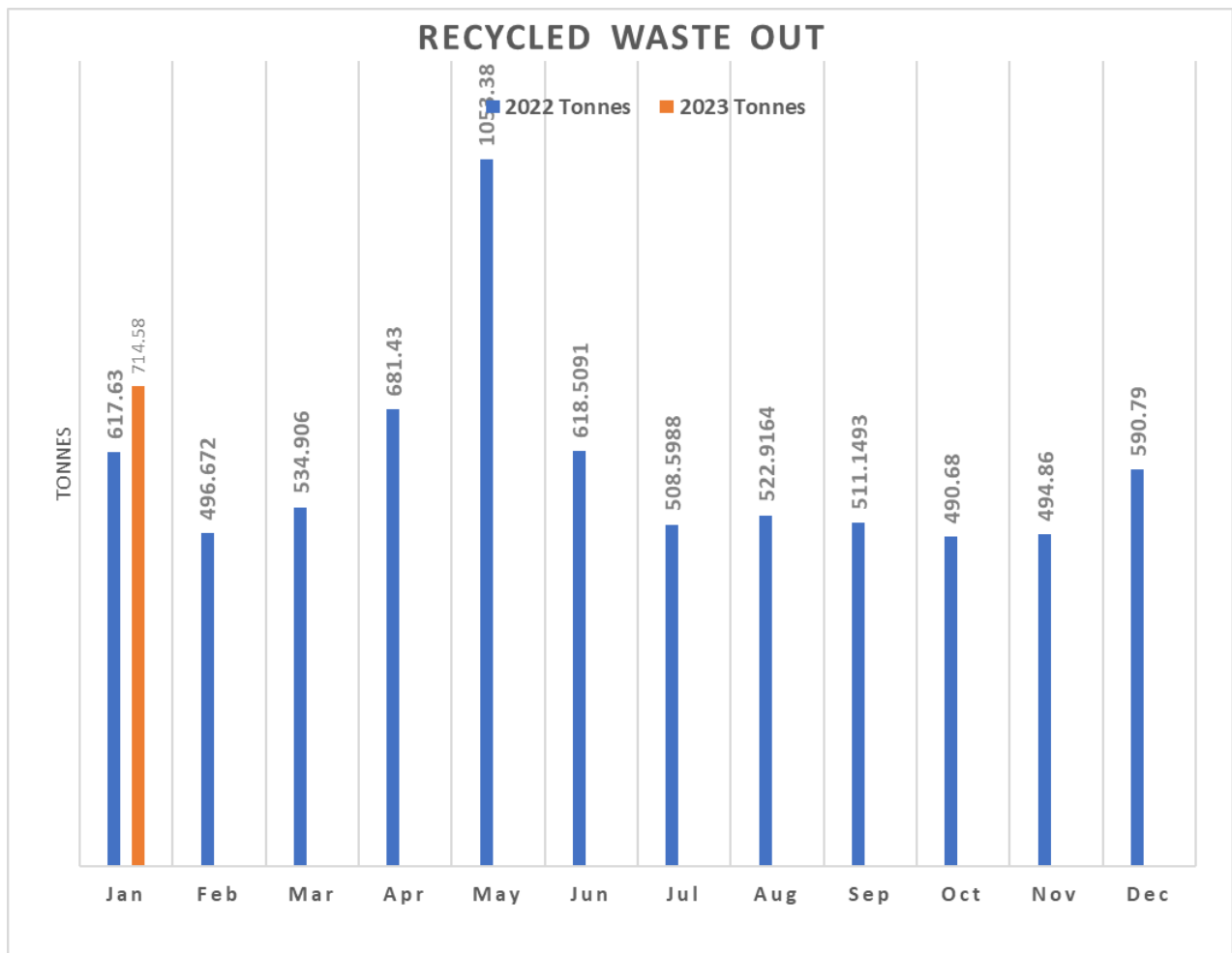


Waste Operations:

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 30 March 2023.

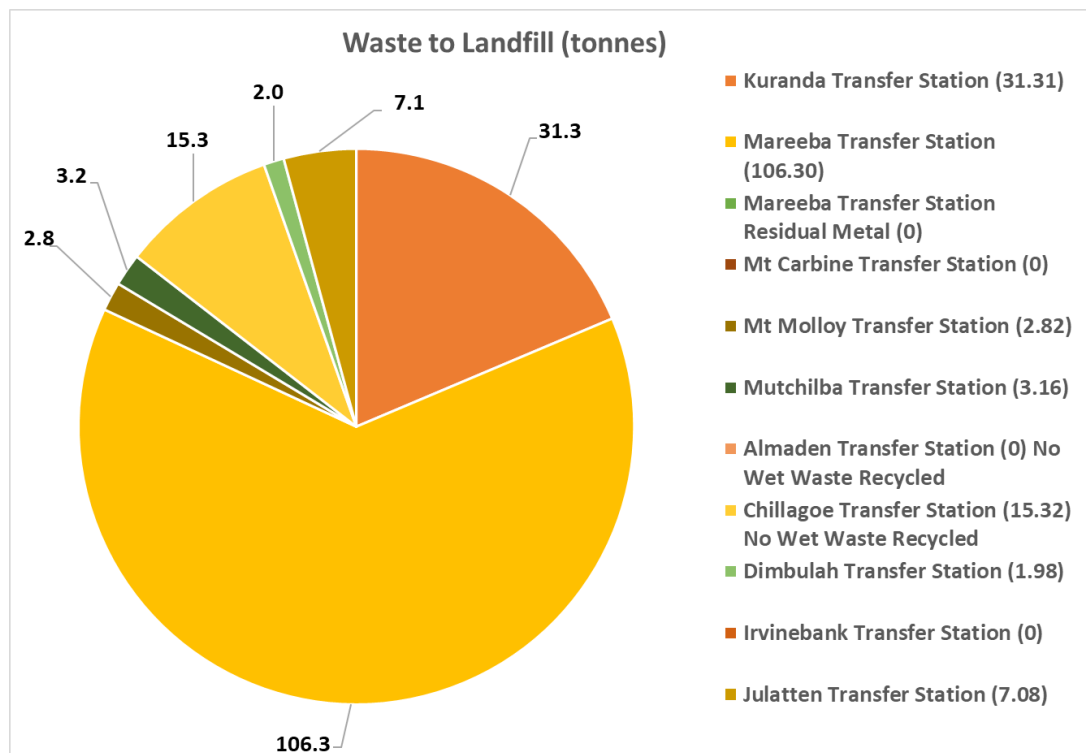
Recycling

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.



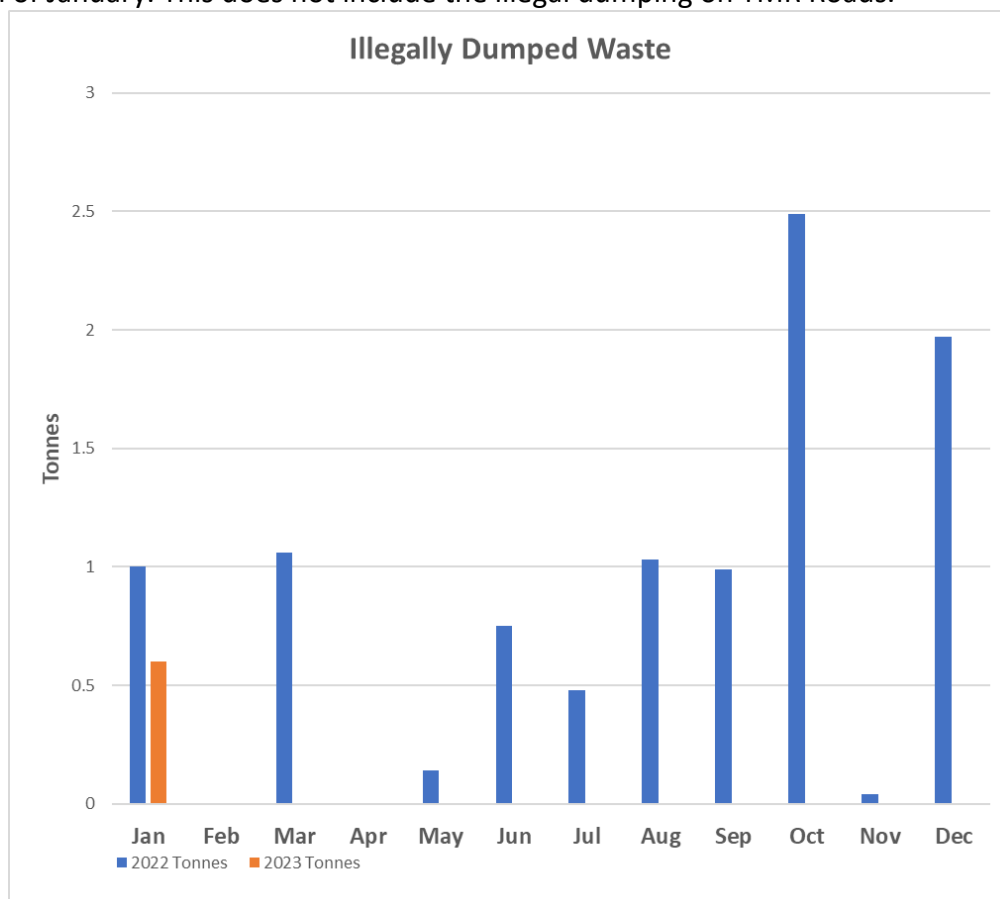
Waste to Transfer Stations

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



Illegally Dumped Waste

There were 0.6 tonnes of illegally dumped waste recorded through Waste Transfer Stations during the month of January. This does not include the illegal dumping on TMR Roads.

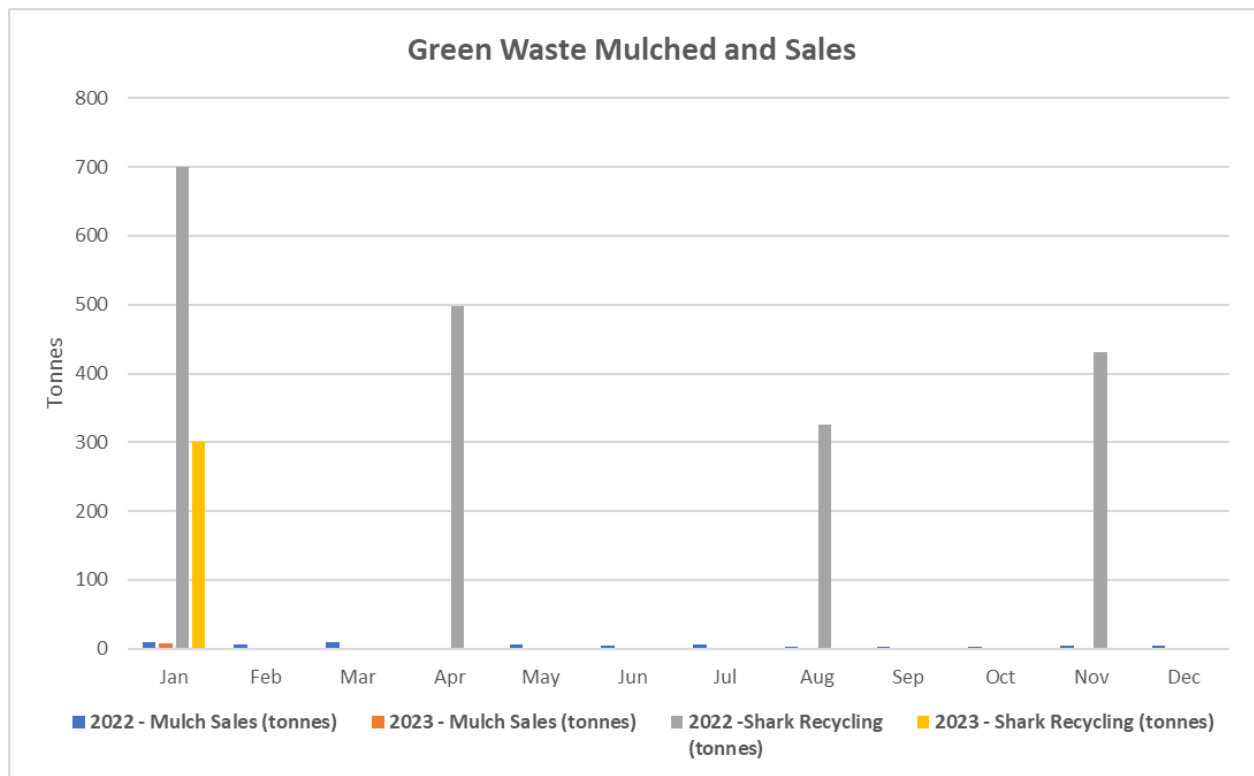
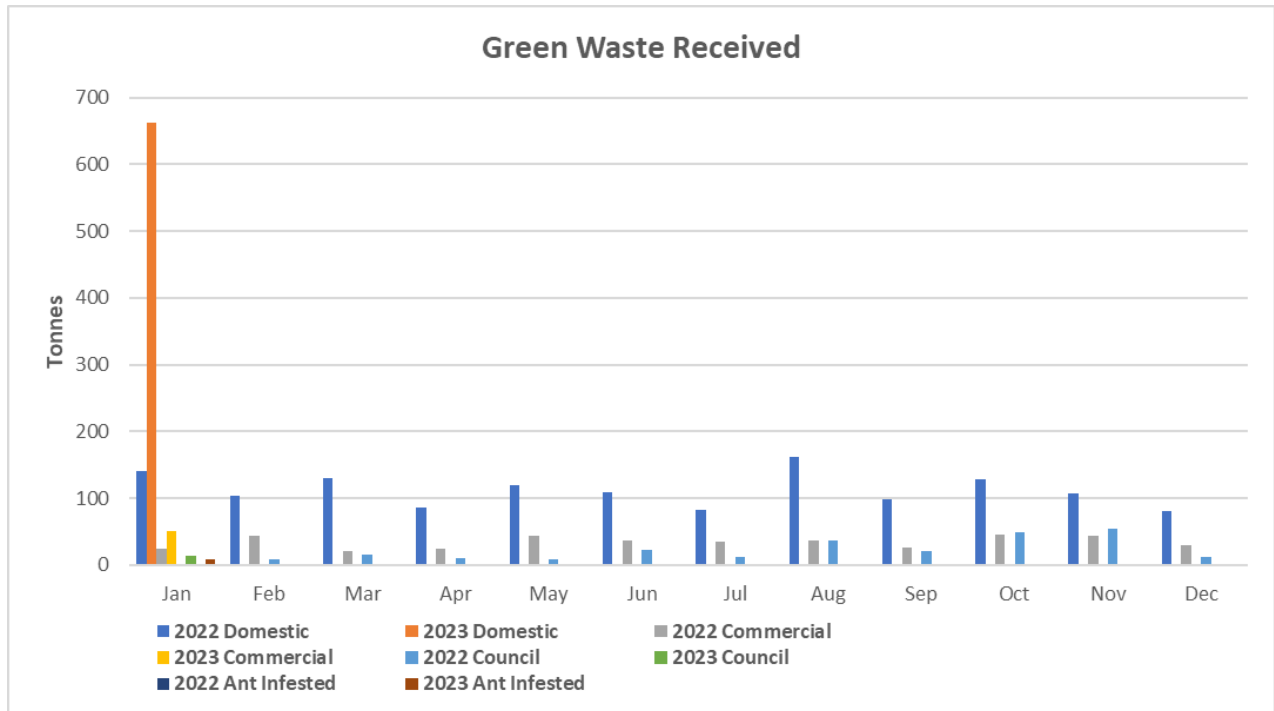


Green Waste

Council received a total of 725.7 tonnes of green waste in the month of January.

Kuranda recorded 9 tonnes of Electric Ant contaminated green waste in January.

Free Green Domestic Waste days are scheduled for the weekend 4th and 5th February.



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

9.5 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - JANUARY 2023**Date Prepared:** 3 February 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 January 2023.

RECOMMENDATION

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

Works crews have been undertaking emergence work on the following roads within the shire in January;

Area	Road Name	Area	Road Name
Dimbulah	Braund Road	Mareeba	Henry Hannam Drive
Dimbulah	Metzger Road	Mareeba	Cobra Road (Ongoing)
Dimbulah	Leadingham Creek Road	Watsonville	Eichblatt Road
Dimbulah	Mt Mulligan Road (Ongoing)	Watsonville	Walsh River Road
Almaden	Ootann Road (Ongoing)	Watsonville	Bischoff Mill Road
Paddy's Green	Beh Road	Watsonville	Arbouin Mine Road
Mareeba	McIver Road	Watsonville	Zaicz Road
Mareeba	Cowan Road (Ongoing)	Biboohra	Vallely Road
Mareeba	Peters Road (Ongoing)	Biboohra	Bilwon Road
Mareeba	George Fabris Road	Biboohra	McGrath Road

A further 86 roads have been inspected, photographed and signed if required. Work Orders have been prepared in readiness for when crews are able to attend the sites to commence temporary repairs. During the emergent period the catch phrase is "open and safe", and the repairs undertaken reflect this in most cases. The number of roads requiring maintenance due to the rain event is likely to increase as access into the more remote areas of the shire becomes available.



Braund Road



Ootann Road



Eichblatt Road



George Fabris Road



Bolwarra Road



Kanervo Road



Customer Requests

During the month of January, the Works Group received 127 Customer Requests (CRs) with 141 resolved (resolved requests include those received prior to January 2023). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management
January	96	23	8

At the time of reporting, the Works Group had 80 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.

- Bullaburra Creek Road, Dimbulah
- Leadingham Creek Road, Dimbulah
- Barron Street, Koah
- Kanervo Road, Koah
- Bolton Road, Koah
- Black Mountain Road, Kuranda
- Speewah Road, Speewah
- Mt Kooyong Road, Julatten
- Pinnacle Road, Julatten

TMR Routine Maintenance Performance Contract (RMPC)

- Burke Developmental Road (89B)
 - Emergent response to sections of the road between Almaden and Chillagoe
 - Regular debris removal at Chillagoe Creek Causeway
 - Emergent response to the approaches to Eureka Creek, west of Dimbulah
- Mossman - Mt Molloy Road (653)
 - Emergent response to fallen trees on the Rex Range
 - Regular opening and closing of Bushy Creek, Julatten
- Mulligan Highway (34B)
 - Emergent response to rock falls at the Desailly Range
- Mareeba – Dimbulah Road (664)
 - Emergent response to cutting slump at the southern approach to Granite Creek, Mareeba
 - Investigate and respond to DTMR regarding drainage erosion at newly constructed works at the intersection of the Mareeba-Dimbulah Road and Leadingham Creek Road

*Granite Creek Bridge Approach**Rock slide Desailly Range**Chillagoe Creek Causeway**Erosion on Mareeba – Dimbulah Road*

Parks and Open Spaces

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

- Removed Christmas Trees in Mareeba, Dimbulah, Mt Molloy and Chillagoe
- Drainage repair and general ground maintenance at the Judo Hall, Mareeba
- Contractors – Slashing of the Rail Trail from McIver Road to Vicary Road. Slashing of Eales, Mooraridgi and Shaban Parks
- Burials
 - Kuranda x3
 - Dimbulah x1
 - Mareeba x7

Land Protection

Parthenium Weed: Inspections carried out on 12 sites. All landholders are complying with their biosecurity obligation. Land protection officers continue to monitor one site every 2 weeks with the other 11 every 3 weeks.

While carrying out roadside spraying of Gamba Grass, officers detected a new Parthenium site at Roiko Road, Mareeba. The property in question is a certified organic farm so herbicide spraying is not supported, however the property owner has agreed to hand remove the Parthenium themselves and land protection officers will inspect the property once a month in future to ensure biosecurity obligation is met.

Gamba Grass: The annual roadside spray program has commenced this month and officers are treating roadsides and table drains throughout the shire for Gamba Grass using glyphosate.

Frogbit on the Mitchell River Catchment: Mareeba Shire Council maintain a sentinel site program on the Two Mile and Douglas Creeks. All sites remain free of Frogbit.

Wild dogs: Property owners in the Mareeba area were given advice on baiting and managing wild dogs.



Untreated Gamba Grass, Bower Road



Treated Gamba Grass, Bower Road

FINANCIAL AND RESOURCE IMPLICATIONS

Operating

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

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IMPLEMENTATION/COMMUNICATION

Nil