

9 INFRASTRUCTURE SERVICES

9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - JULY 2023

Date Prepared: 19 July 2023

Author: Manager Assets and Projects

Attachments:

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

RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of July 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 2023/24 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

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



Project Name: Bicentennial Lakes Gravity Sewer Main Upgrade

Program: Wastewater

Background

All works associated with the construction of a sewer gravity main upgrade, inclusive of a water main relocation to enable the works, to service Mareeba. The gravity sewer main installation is located within Bicentennial Lakes, Mareeba. The alignment connects at Rankin Street and discharges upstream of the pump station at Byrnes Street. Works for the gravity sewers will generally be limited to the road reserve between the edge of road and property boundary. The water main relocation is located at Keeble Street and Jacobsen Street, Mareeba. Works for the water main relocation will generally be limited to the road reserve between the edge of road and property boundary.

Scope of Works

Installation of new 450mm gravity trunk sewer main, sewer manholes and connections and relocation and upgrading of water mains located at Keeble Street and Jacobsen Street and connections and valving.

Progress Update

Works commenced mid-May and have progressed well with the contractor achieving the following project milestones during July:

- Installation of DN375 sewer main pipework from manhole 1/19 to Ch.1376 (Rankine Street manhole at end of line 1).
- Completion of manholes 1/13, 1/14, 1/16, 1/17, 1/18, 1/19 and 1/20.
- Installation of DN150 water main along Jacobsen Street from Byrnes Street to QR corridor.
- Installation of DN150 sewer from 1/8 to MEC001MH011 (Line 3).
- Pressure testing of Line 1 from 1/12 to 1/20 (excluding section between 1/14 and 1/15).
- Reinstatement of water main temporarily removed on Rankin Street.



Existing DN150 sewer installation through new manhole, existing sewer to be cut inside manhole once new sewer line is commissioned

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



DN300 valve assembly prepped for thrust block concrete pour, and water main marker tape above reinstated DN100 DICL pipe

Infrastructure Services Capital Works Report Project Highlights – July 2023



Project Name: Euluma Creek Road – Widen and Seal CH 9.35-10.13

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

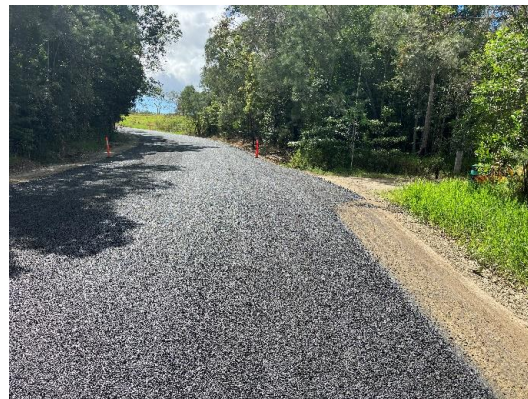
The existing 5m wide bitumen section is to be realigned and widened to a sealed width of 8m with drainage infrastructure extended accordingly.

Progress Update

Construction works were completed early June and the project was scheduled for bitumen sealing on 20 June. Unfortunately, rain interrupted the sealing works and just under half of the proposed sealing area remained unsealed. An additional sealing date was secured, and the sealing works were completed 19 July. Line marking is scheduled for the third week of August.



Second coat 10mm seal



Completed seal

Infrastructure Services Capital Works Report Project Highlights – July 2023



**Project Name: Bilwon Road Biboohra – Road Rehabilitation and Culvert Upgrade
(Querin Road to Rosing Road)**

Program: Rural Roads

Background

In 2021, Mareeba Shire Council had a request from the Queensland Police Service to undertake a safety audit on a section of Bilwon Road between Querin Road and Rosing Road in response to a number of non-fatal traffic accidents. As a result of the safety audit a project was created in Mareeba Shire Council’s Project Prioritisation Tool and Roads to Recovery funding was allocated to the project in the 2022/2023 Capital Works Program.

Scope of Works

The scope of works includes the rehabilitation of the existing section of road, replace the 1800Ø RCPs, generally improve the vertical alignment and provide new driveway crossovers to several residences.

Progress Update

The culvert installation has been completed along with all drainage works and excavation to subgrade level on the right hand side. Several unsuitable subgrade sections have been replaced and the importing of the subbase layer has commenced.



1800Ø RCP headwall after pouring



1800Ø RCP headwall complete



RHS subbase layer



LHS driveway crossover

Infrastructure Services Capital Works Report Project Highlights – July 2023



Project Name: Springmount Road – Curve and Culvert Widening Ch 13.18 - Ch 18.10

Program: Rural Roads

Background

Council received Federal Government funding from the Heavy Vehicle Safety and Productivity Program (HVSP) to undertake curve and culvert widenings on Springmount Road. The grant will cover 80% of the design and construction costs with the Transport Infrastructure Development Scheme (TIDS) contributing 10% and Mareeba Shire Council the other 10%.

Scope of Works

The scope of works includes the widening and bitumen sealing of curves and associated culverts between chainage 13.18 and chainage 18.10 on Springmount Road. Extensive culvert inlet and outlet works will be required to de-water some of the existing culverts that have silted up after many years of agricultural runoff.

Progress Update

Clear and grub and dewatering activities are complete and culvert extensions and headwall installations are ongoing.



Culvert extensions



Drainage work – RHS



Culvert de-watering

Infrastructure Services Capital Works Report Project Highlights – July 2023



Project Name: Anzac Park Mareeba

Program: Parks and Open Spaces

Background

Mareeba Shire has multiple war memorial sites, displays and historical places of interest which honour those in our community who served Australia and Council recognised the need to revitalise Anzac Park as the focal point for veterans, serving members of the Australian Defence Force and community. Businesses in Mareeba's CBD have been asking for changes to improve safety and reduce anti-social behaviour in the main street, and the revitalisation of Anzac Park should contribute to these aims.

Scope of Work

The parkland will incorporate up-lighting to highlight some of the features including the cannons and the trees, removal of the fountain, footpath renewal and planting of additional trees. The project will also see the addition of a named archway at the rear of the park.

Progress Update

Concrete footpath is complete and tiling work has commenced. The rear wall has been constructed and rendering of the wall has commenced.



Anzac Park Mareeba Construction Works – Byrnes Street Entrance

Infrastructure Services Capital Works Report Project Highlights – July 2023



Anzac Park Footpath Replacement – tiling continues



Anzac Park Mareeba Construction Works – Railway Avenue Entrance

Infrastructure Services Capital Works Report Project Highlights – July 2023



Project Name: Bicentennial Lakes Revitalisation Project

Program: Parks and Open Spaces

Background

This project will activate the Lakes, breathing life back into the area and surrounds for the enjoyment of our community and visitors.

Scope of Work

The Bicentennial Lakes Project will completely revitalise the Lakes, starting in the southern section between Rankin Street and Keeble Street. In the southern section, the weirs will be removed, and the lakes will be filled to allow for more parkland. A watercourse will remain, although it will be narrower to encourage seasonal rains to flow through into the northern section. Water will no longer stagnate in a series of weirs. The increased parkland will allow for the addition of a playground and outdoor facilities.

Key Features:

- Bulk earthworks to improve the movement of water
- Earthworks to increase parkland in the southern section
- Construction of a playground and pump track
- New toilet facility
- Footpath improvements
- Construction of outdoor facilities

Progress Update

Waterway improvements

The weirs have been removed in the Southern Lakes precinct to allow the ground to dry so that it can be reshaped to a gully. Preparations offsite are underway to bring in material to commence the reshaping works.

Mason Street Playground

Quotes have been called for construction of the pump track and key features that were identified from the survey results.

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



BICENTENNIAL LAKES REVITALISATION PROJECT

THE SURVEY RESULTS ARE IN!

Council has prioritised the following play and outdoor elements for the new active recreational space.



Bicycle Pump Track



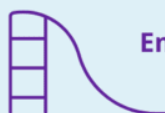
Boulder Climb



BBQs



Double Flying Fox



Embankment Slide



Swings



Covered Tables & Seating

Plus

Additional lighting, improved accessibility and new amenities block.

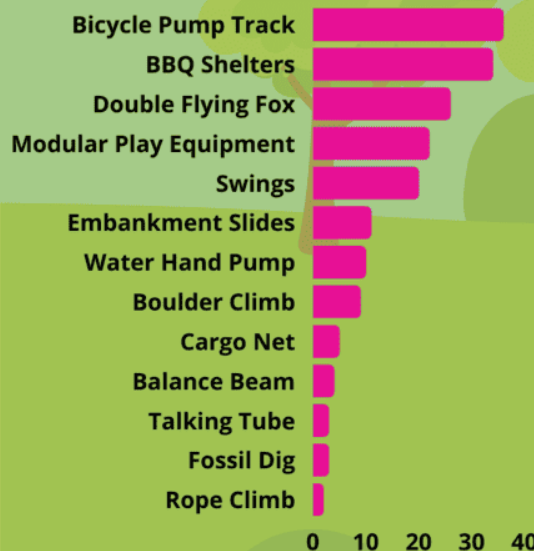
The play elements for the new active recreational space were chosen based on the results of the community survey, budget and overall precinct design.

Despite being a relatively popular option, the modular play equipment will not be included at this stage due to high purchase and installation costs.

This means other options can now be included as part of the final design.

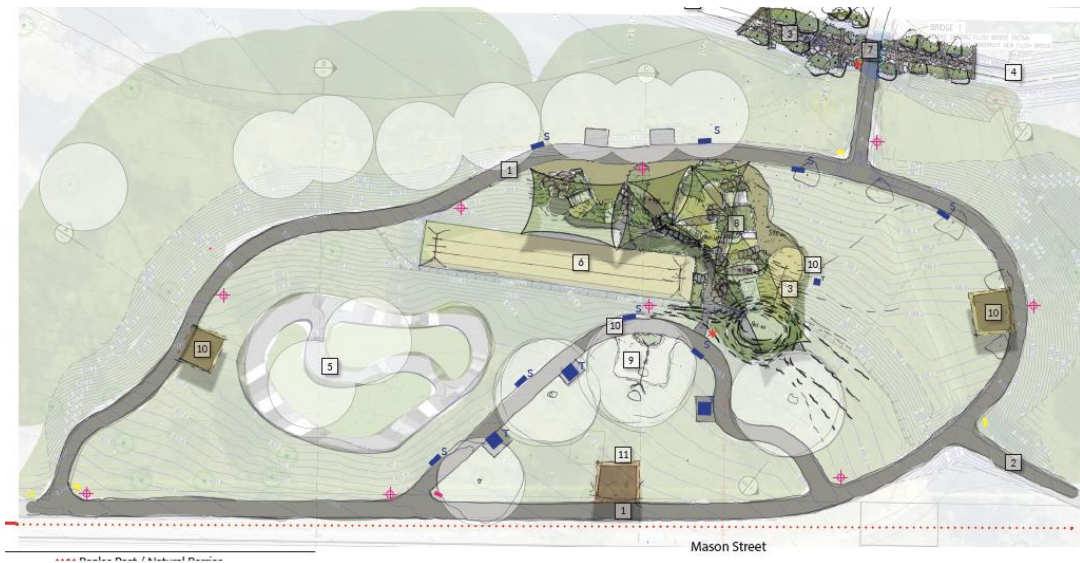
However, as a direct result of community feedback via the survey, Council has allocated additional funds towards covered tables and seating, additional lighting, improved accessibility and a new amenities block.

These new elements will now form part of the exciting new active recreational space!



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Infrastructure Services Capital Works Report Project Highlights – July 2023



Bicentennial Lakes Southern Precinct Concept Plan



Bicentennial Lakes Southern Section Weir Removal



Project Description	Project Stage	Comments
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
22/23 Reseal & Asphalt Program	Construction	Asphalt overlay completed on section of Ceola Drive in July. Project can rollover for 23/24
BETTERMENT Co-Contribution	Procurement	Tenders called, submissions significantly exceeded budget, scope required for review.
23/24 Reseal & Asphalt Program	Not Commenced	FNQROC to submit tender recommendation to MSC for inclusion in August Ordinary Meeting agenda
Program: 02 Gravel Resheet		
23/24 Gravel Resheet Program	Not Commenced	Re-sheet of section of Pickford Road between end of existing bitumen & south western corner of Lot 1NR7742. To be completed after Bilwon Road.
Program: 03 Urban Streets		
Hastie/Constance LATM Upgrade (School)	Design	Draft Report received, review underway.
TIDS 23-27 Herberton/Constance Inter	Design	Draft Report received, review underway.
TIDS Rankin/Walsh St Roundabout	Design	Draft Report received, review underway.
Design Only Mclver Rd Ch. 0.00-7.20	Design	Survey underway.
Recovery Way (WTS) Rehab Ch 0.176-0.272	Not Commenced	To be programmed
Myola Rd Ch 0.2-3.06	Not Commenced	To be programmed
Program: 04 Rural Roads		
TIDS Euluma Ck Rd Ch 9.350-10.130 Rehab	Construction	Project seal completed July 2023. Line marking early August. Further negotiations with FNQRRG to claim funds expended in current financial year
TIDS Ootann Rd Section 1&2 Widen & Seal	Design	Designs approved. Culverts received. Project on hold due to Australian Government Funding Review.
TIDS Springmount Rd Widen & Seal	Construction	Culvert extensions on-going. Additional RCPs installed over & above planning. Length of widening may be reduced to suit budget. All drainage components will be completed.
R2R Bilwon Rd Rehab & Culverts	Construction	Culvert widening & full RCP replacement will be completed first week of August. Excavation to new subgrade level 75% complete
TIDS 23/24 Springmount Rd Ch 11.35-12.7	Not Commenced	Design phase - Road widening and culvert extensions - North of Oakey Valley Rd
TIDS 23-25 Springmount Rd Ch 6.7-7.55	Not Commenced	Design phase - Collins Weir Rd and Sunwater culvert.
Program: 05 Bridges		
Granite Ck Mba Replace Footbridge Deck	Procurement	Carryover 23/24 FY
Palm Cl Mba Replace Footbridge Boards	Procurement	Timber decking ordered. Work will carry over into 2023/24 financial year
Bicentennial Lakes F/bridge Safety Upgr	Procurement	Work will be done in conjunction with Bi Lakes southern upgrade
Bullaburrah Ck Rd C'way Relieving Slab	Not Commenced	Carry over to 23/24
Clohesy River Barron St Inspect & Design	On Hold	Design options under review.
Bolton Rd Inspect/Design/Repl Girders	On Hold	Structural Report received, assessment underway.
Barron Riv. Bridge Oakforest Rd Insp/Des	Design	RFQ for design currently under negotiation.
Barron River Cwy Henry H Dr Repl Slabs	Not Commenced	Carry over to 23/24
Program: 06 Drainage		
MBA Amaroo Drainage Upgrades	Design	Design phase
MBA Hastings Dr Replace Concrete Pipe	Construction	Design handover meeting to be undertaken with Civil Works.
Tilse Street Upgrade Drainage	Construction	Contribution to Prestige Gardens Subdivision - Trunk Drainage Component. Works significantly progressed by Developer.
23/24 Minor Culvert & C/ways Program	Not Commenced	Program to be developed



Project Description	Project Stage	Comments
Program: 07 Traffic Facilities		
Mareeba Aerodrome Safety & Repairs	Construction	Lighting expenses to be transferred from operational ledger. Fire safety works still on going.
Anzac Ave LATM Upgrades	Design	Designs to be programmed.
Design Only Byrnes St Accessibility	Not Commenced	Scope of works under review for engagement of consultant to assess drainage.
Program: 08 Parking		
Borzi Park Mba Carparking Masterplan	Design	Concepts prepared and under review.
MBA Heritage Centre Carpark Extension	Design	Concepts prepared and under review.
Program: 09 Footpaths		
MBA Rail Trail Stage 1 Mba to Airport	Construction	WWII bollard to be installed upon receipt at Mareeba Airport
22/23 Walking Network Upgrade Program	Planning	Carry over to 23/24. Funding committed for grant application.
23/24 Footpath Renewal Program	Not Commenced	First sites have been identified by Projects in the Dunlop Street/Byrnes Street area. Subject to water main installation
23/24 Footpath Upgrade Program	Not Commenced	Some funding committed. Further locations to be identified
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.
Chillagoe Hall Playground Improvement	Not Commenced	
DIM Parks Refresh	Construction	Contractor engaged. Design works for Pump track commenced, with construction to commence September 2023.
KDA Centenary Park Playground Upgrade	Construction	Construction of playground complete. Defects will be monitored and addressed over the defects liability period. Refurbishment of stonework and pathways is on hold awaiting the outcome of the grant.
MBA Bicentennial Lakes (Southern) D&C	Design	Construction drawings received. Weirs removed for dewatering. In procurement for Mason St Node play elements.
Bicentennial Lakes Upgrade	Not Commenced	To be merged with CP00809 Bicentennial Lakes Southern
MBA Byrnes St Medians	Not Commenced	Project to be programmed for after March 2024
MBA Anzac Memorial PK L'scaping & Safety	Construction	Tiling works underway and due for completion by 7 August 2023. Minor works for lighting and rear fence scheduled for completion during August.
MBA Byrnes St Traffic Islands (BP)	Not Commenced	Commence project after March 2024
MBA Connection Rd/Byrnes St Intersection	Not Commenced	Commence project after March 2024
KDA Anzac Park Landscaping	Design	Design options under review following community engagement.
KDA Coondoo Street Refurb	Design	On hold awaiting outcome of Growing Regions grant application.
KDA CBD Planter Boxes & Gardens	Not Commenced	Project included as part of Coondoo Street. On hold awaiting outcome of Growing Regions grant application.
DIM Avenue of Trees Irrigation	Construction	Project completed July 2023
IRV Bill Newburn Park Refresh	Planning	In procurement for installation of new picnic shelter, relocation of existing table setting. Quotes to be sourced for new play equipment.
MBA Eastern Catchment Park Amaroo St1	Construction	Playground completed, public consultation has commenced for masterplan.
Roscommon Park -Renew Exercise Equipment	Planning	Exercise equipment preliminary quotes received and being assessed.
Mary Andrews Park Repaint Play Equip	Not Commenced	To be programmed
Kda Com Precinct Parks Upgrade	Not Commenced	Not commenced. Planning to commence in late 2023.
Mba-Dim Rd/Mulligan Hwy Intersection	Not Commenced	To be undertaken after March 2024



Project Description	Project Stage	Comments
Byrnes St Median Hedges (Lloyd-Granite)	Not Commenced	To be programmed for after March 2024
Program: 11 Water		
Mba WTP Study for Upgrade of WW System	Construction	This one won't be completed for some months yet and needs to be carried over.
BOR6 MWTP Filtration Upgrade	Construction	Project design drawings being finalised ahead of physical construction. Currently everything is on schedule.
MBA Clear Water Booster Pump Station	Construction	project pre-start meeting held 29 June and key equipment items such as booster pumps are on order.
22/23 Water Pipe Renewal Program	Construction	Project works completed and this project can be closed out once final payment has been made which should be week ending 11 August
KDA WTP Auto Backwash on 3 Filter Cells	Planning	This project didn't get done due to lack of availability of required contractors
MBA WTP Raw Water Pumps & Electrics	Construction	Project pre-start meeting held 29 June, key equipment items have been ordered with long delivery time frames. Actual physical site works won't commence until October when equipment arrives.
BOR6 22/23 Water Forward Design Program	Design	This project experienced delays due to prolonged wet season and we have an extension of time until 21 July with the grant funding and at the moment we're on track to have it all completed.
MBA Additional Pressure Reduction Valves	Construction	This work is being done in conjunction with the booster pump station project.
MBA Decommission Basalt St Elevated Tank	Construction	This work will be done in conjunction with the commissioning of the booster pump station
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	Works on this won't be completed until end of October
MBA WTP Clarifier Infra Process Improv.	Design	This project is contingent on the outcomes of the Clarifier improvement process assessment currently underway.
MBA Centenary Park Booster Station Pump	Not Commenced	Completed
Chillagoe WTP Construct Storage Shed	Procurement	RFQ on Vendorpanel. Submissions due 11 August 2023.
Chillagoe WTP Construct Roof over Plant	Procurement	RFQ on VendorPanel. Submissions due 11 August.
Ibis Dam Replace Inlet Feed Pipeline	Planning	new pipe materials to be ordered and once they arrive it will be installed.
23/24 WTP Minor Infra Replace Program	Procurement	Equipment for Dimbulah and Chillagoe WTP's has been ordered and supplier has advised that delivery will be approximately early September.
23/24 AC Water Main Replace Program	Design	Project went to tender 5 August
23/24 Water Telemetry/SCADA Upgrades	Planning	Actively working with IT on this project, W&W and IT to participate in an online presentation for software update during August
23/24 Retic Valve/Hyd Replace Program	Procurement	Materials have been ordered, once they arrive works will commence.
23/24 Retic Smart Meter Replace Program	Construction	Works on installation of new meters underway and this work will progress for some time.
Program: 12 Wastewater		
Granite Ck Mba Sewerage Pump Stn Refurb	Completed	Once the final claim has been paid this project can be closed out which should be week ending 11 August
MBA Bi-Lakes Sewer Main Capacity	Construction	Quail have denied Wayleave Application, a revised sewer alignment has been designed and works will commence once public notification has been posted on works
22/23 MBA Sewer CCTV & Relining	Construction	Materials have arrived to enable completion of the project, some vac investigations works have been done prior to the installation of the relining and some manhole rectification works will also be required.



Project Description	Project Stage	Comments
Minor WW Pump Station Refurbishments	On Hold	Project to be carried forward to 2023-2024 capital Program.
DFW Sewer Main Modelling	Design	Model has been provided by Tonkin Consulting with feedback provided so model can be completed.
Mba WWTP Install Gantry (Blower Room)	Planning	WW staff need to get OSE in Cairns to design a gantry so it can be then priced and installed
Mba WWTP Inlet Works Replacements	Procurement	New screens on order and once manufactured they'll be shipped to site and installed.
Kda WWTP Intet Works Replacements	Procurement	New screenon order and once manufactured they'll be shipped to site and installed.
Atherton St Pump Station Refurb	Not Commenced	Project subject to grant funding
Robins St SPS Rising Main Upgrade	Not Commenced	Project subject to grant funding
23/24 WW Retic Pump Renewal Program	Planning	An assessment will be made during the routine pump servicing in November on which pump/pumps require replacing.
23/24 WW Telemetry/SCADA Upgrades	Planning	Actively working with IT on this project, W&W and IT to participate in an online presentation for software update during August
23/24 WW CCTV & Relining Program	Procurement	project to go to Council for tender award 16 August
SPS New Standby Generators	Procurement	new generators procured and in Stores, construction of concrete plinths to be arranged then the generators can be installed along with electrical and telemetry connections
23/24 WW Manhole Rehab/Replace Prog	Procurement	Project going to tender 12 August
Kennedy Hwy PS Control Board Upgrade	Procurement	Quotes received and orders being generated and works will commence in due course. Potential delivery lead times on some components.
Mba WWTP Sewer Pump Replacement	Planning	Pipe for replacement has been identified and a new pump will be ordered once quotes have been received.
23/24 WWTP Minor Infa Renewal Program	Planning	Working with treatment operations supervisor to identify critical equipment that requires replacement.
23/24 WWPS Refurbishment Program	Planning	Working with suitable consultants and suppliers to understand the works required at some key SPS's before commencing works.
Program: 13 Waste		
MWF Construct New Landfill Cells	Design	This project can be closed out
MBA/KDA Transfer Station Security Improv	Construction	CCTV business advised they were to close, seeking assistance form local electrical contractors to complete works
23/24 Mba L/Fill Leachate Pump Replace	Planning	An assessment will be done in the November service round on which pumps to replace.
23/24 Mba L/Fill PS Pump Replace	Planning	An assessment will be done in the November service round on which pumps to replace.
Program: 15 Fleet		
GPS Vehicle Management System	Procurement	Trial to commence with sample of fleet.
Fleet Refurb Truck Mounted Water Tank	Cancelled	Project cancelled, look to replace water tank with a purpose built water truck in the 24/25 plant replacement budget
Fleet Replace #621 Single Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-16 months. No fixed date of supply yet confirmed, 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 8-16 months. No fixed date of supply yet confirmed, 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 8-16 months. No fixed date of supply yet confirmed, once truck arrives the truck has to go to the body fabricator
Fleet Replace #6253 Road Broom	Completed	Project completed July 2023
Fleet Replace #14 Grader Caterpillar	Not Commenced	Planning for procurement commenced
Fleet Replace #401 Mini Excavator	Not Commenced	Planning for procurement commenced
Fleet Replace #619 Job Truck Tipper	Not Commenced	Planning for procurement commenced
Fleet Replace #1206 Mitsu Pool Vehicle	Not Commenced	Planning for procurement commenced



Project Description	Project Stage	Comments
Fleet Replace #1210 Mitsu Pool Vehicle	Not Commenced	Planning for procurement commenced
Fleet Replace #1231 Toyota WW	Not Commenced	Planning for procurement commenced
Fleet Replace #1313 Nissan Dual Cab	Not Commenced	Planning for procurement commenced
Fleet Replace #1402 Mazda Oncall Veh	Not Commenced	Planning for procurement commenced
Fleet Replace #2055 Mitsu P&G	Not Commenced	Planning for procurement commenced
Fleet Replace #4050 Kubota Zero Turn	Not Commenced	Planning for procurement commenced
Fleet Replace #4051 Kubota Out Front	Not Commenced	Planning for procurement commenced
Fleet Replace Jet Rodder Trailer	Not Commenced	Planning for procurement commenced
Fleet New Caterpillar Mini Excavator	Not Commenced	Planning for procurement commenced
Program: 16 Depots and Council Offices		
Kowa St MSC Depot Emergency Generator	Design	Options under review.
Mba Depot Admin Building Refurb	Planning	Procurement late 2023.
Mba Depot Stores Mez Floor Safety Upgr	Planning	Investigations underway.
Program: 17 Community Buildings		
Aquatic Facility Upgrades & Splash Park	Construction	Splashpark and heating are in use by public and generally operational, aside from some minor issues. Electrical upgrades are also being finalised.
Dimb/Mba/Kda Pools Chloring Dosing Impr	Procurement	Works to be undertaken following completion of Splash park.
MBA Women's Restroom Refurb	On Hold	Further direction required following changes to CBD Toilet project. MPO have undertaken site review.
MBA Riverside CPark Amenities Replace	Completed	Completed July 2023
22/23 Shire Toilet Facility Repl Program	Construction	Remedial works to Vains Park Toilets and Mareeba Aerodrome Toilet block set for Councils Carpenter. painting works awarded. Works set to be completed by 3 September 2023.
MBA Community Hub Signage & Seating	Construction	Shelter structure procured and in manufacture. Installation works awarded and programmed to commence 21-28 August 2023.
MBA New CBD Toilet Facilities	On Hold	Project cancelled.
22/23 Facilities Refurbishment Program	Planning	Only to be used with CEO approval.
KDA Community Prec. Toilet Refurb	Completed	Completed July 2023
KDA Aquatic Cnt 25m Pool Auto Fillers	Procurement	Continued discussion with Facility Operator and contractors on delivery of works.
KDA Aquatic Cnt 25m Pool Cleaner	Procurement	Refurbishment of Cleaner a possibility rather than full replacement, works/quotations being finalised.
KDA Aquatic Cnt 25m Pool Aquaris Upgrade	Procurement	Equipment assessment completed, quotations underway.
22/23 MBA Roof Replacement Program	Completed	Completed July 2023
MBA Timber Fascia Replacement	Cancelled	Project on hold. Timber fascia's not required at this time. Possible minor maintenance works to be delivered by Mareeba Community Housing Company.
23/24 Park/Sporting LED Lights Arnold Pk	Design	Facilities will seek estimates, aim to provide by end of May 2023. Budget item included in 2023/24 Fin year.
22/23 DIM Town Hall A/C/Solar/Lighting	Procurement	Roof upgrade works awarded to Langley Plumbing. Works to commence 18-25 August 2023.
Cedric Davies Hub Disaster Resilience Up	Procurement	Request for Tender for roof upgrade works released. Submissions due 21 August 2023.
Chillagoe Hall Septic Modifications	Planning	Investigations underway.
Mba Aquatic Fac Pump Shed Upgrades	Planning	Investigations underway.



Project Description	Project Stage	Comments
23/24 Park/Sporting LED Light Up Program	Not Commenced	
Mba/Dim Aquatic Condition Assessment	Not Commenced	To be programmed
Dimbulah Hall Replace Roller Doors/Gates	Not Commenced	Investigations underway.
Dimbulah Hall Replace Roof	Construction	Contract awarded to Langley Plumbing. Works to commence late August 2023.
23/24 Amenities Refurbishment Program	Not Commenced	To be programmed
Daveis Park Lighting Upgrade	Not Commenced	To be designed. Potential grant project.
Aquatic Facilities Equipment	Procurement	Pool Blankets ordered and awaiting delivery.
Program: 18 Non-Infrastructure Items		
Kuranda New Cemetery	Construction	Contract for Stage 1 awarded to Ikin Civil, project remains in budget. Reconfi/MCU process continues.
DIM Cemetery Lawn Plaque on Beam	Close Out	Project complete June 2023
MBA MIP Expansion	Planning	Masterplan design progressing.
Mba Cemetery New Mausoleum Wall	Design	Design drawings out for review and certification.
Tech Replace Total Station/Controller	Not Commenced	Investigations underway
Tech New Drone & Software	Not Commenced	Procurement underway
Mba Cemetery New Lawn Beam (x2)	Not Commenced	Will be completed this calendar year
Mba Cemetery Expansion Planning	Not Commenced	Investigations underway.
Program: 20 KIAC		

9.4 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - JULY 2023

Date Prepared: 19 July 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, Facilities and Investigation Services activities undertaken by Infrastructure Services during the month of July 2023.

RECOMMENDATION

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

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

Investigation activities undertaken in July included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	72	6
Drainage Investigations	25	1
NHVR Permit Applications	0	30
Traffic Count Surveys	0	5
Parks Investigations	3	0
Miscellaneous <i>e.g.</i> Planning; Local Laws	21	11
Before You Dig Requests	48	48

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. Testing undertaken on internal Council projects including Euluma Creek Road, Bilwon Road, and Springmount Road.

Asset Inspections:

Facility asset condition and defect inspections continue, and a review of internal facility processes/practices is underway to seek efficiency improvements. Inspections are currently targeted towards assisting in the development of Asset Management sub plans.

Ongoing improvements to GIS data associated with water, sewerage, roads, underground stormwater, and kerbs asset data sets continues, as information is received from other areas of Council. An internal data improvement project for stormwater assets has resulted in improved asset and condition data within the Mareeba Township, with Kuranda Township soon to be completed.

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
Kuranda	Jum Rum Rainforest Estate Stage 1, Fallon Road	Under construction
Mareeba	Amaroo Stage 13	Under construction
Mareeba	Prestige Gardens Stage 1-6	Under construction
Mareeba	Emerald End Road and 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)

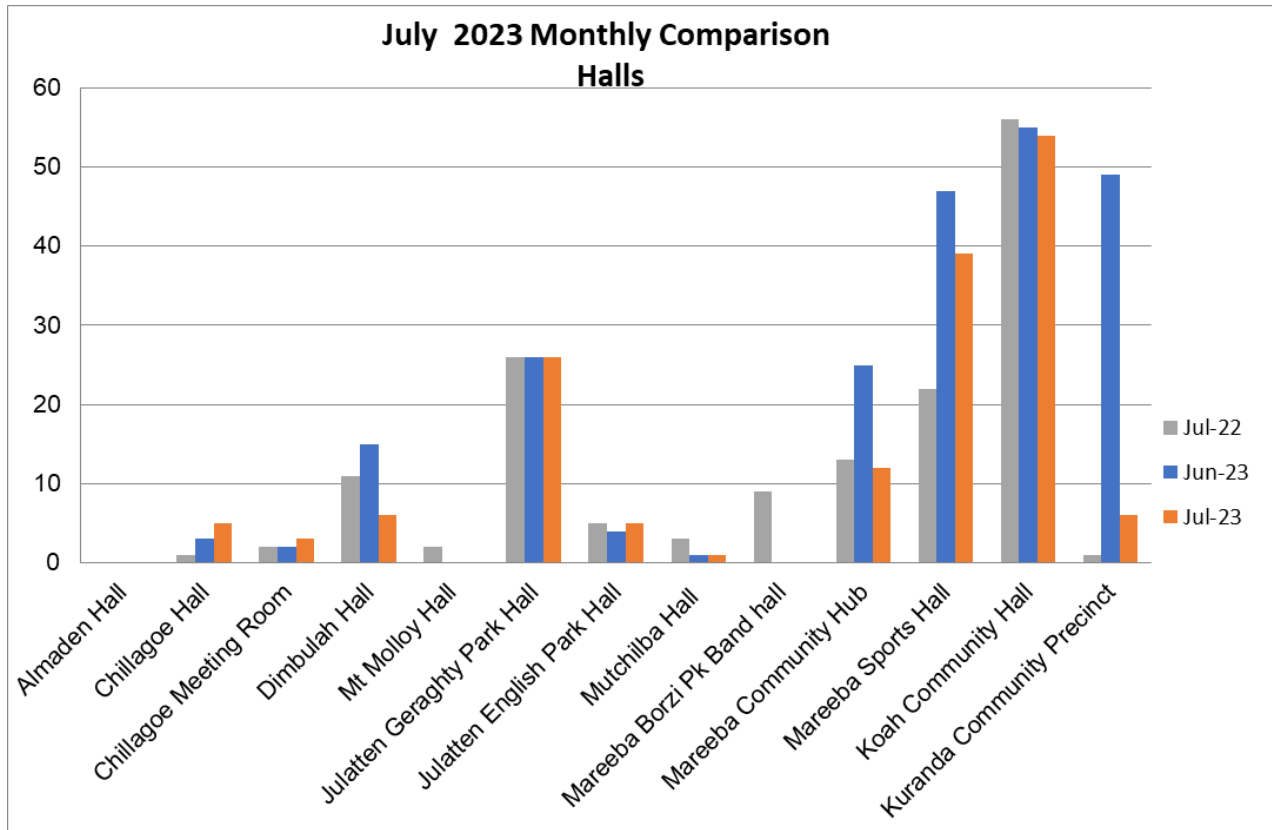
The DRFA is jointly funded by the Commonwealth and Queensland governments to help alleviate the costs of relief and recovery activities undertaken in disaster-affected communities by delivering recovery activities to return affected eligible assets back to pre-event condition. The status of declared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

Program	Status
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Contracts are awarded for works and progressing, with the Western contract nearing completion.
2022 Betterment	Tenders have been received for the package of gully crossing improvements and are under evaluation. Tenders have exceeded the QRA funding amount and the scope is being reviewed in conjunction with QRA.
Fallon Road	Geotechnical works to stabilise the embankment of Fallon Road continue. Minor delays due to wet weather have impeded progress, however works are nearing completion.
2023 DRFA	Activation for DRFA assistance occurred for the Northern and Central Queensland Monsoon and Flooding Event, 20 December 2022 – 30 April 2023. Emergent response activities were completed in July with the focus now on completing the damage assessments of the network for QRA submissions.

Facilities

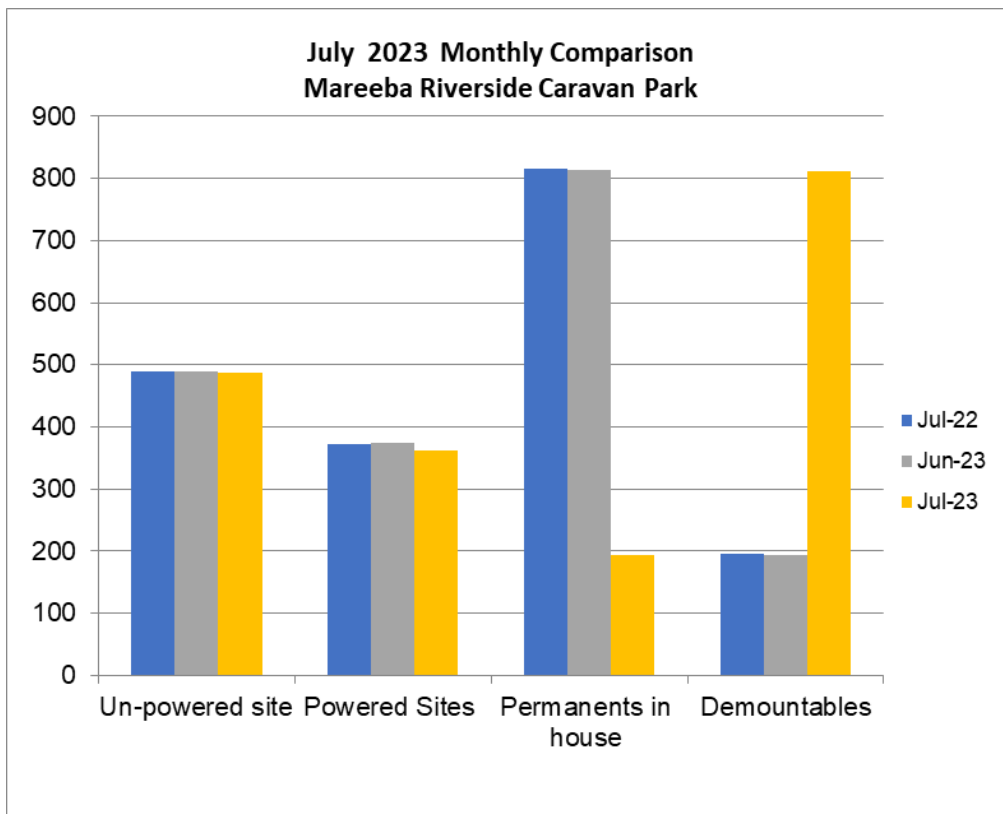
Community Halls:

Maintaining safe and efficient access to Council’s Community Halls is recognised as an important aspect for the community’s ongoing wellbeing. Although attendance numbers generally improved comparative to the previous year, the previous months attendances were mixed, with some facilities seeing a reduction in utilisation compared with the previous month.

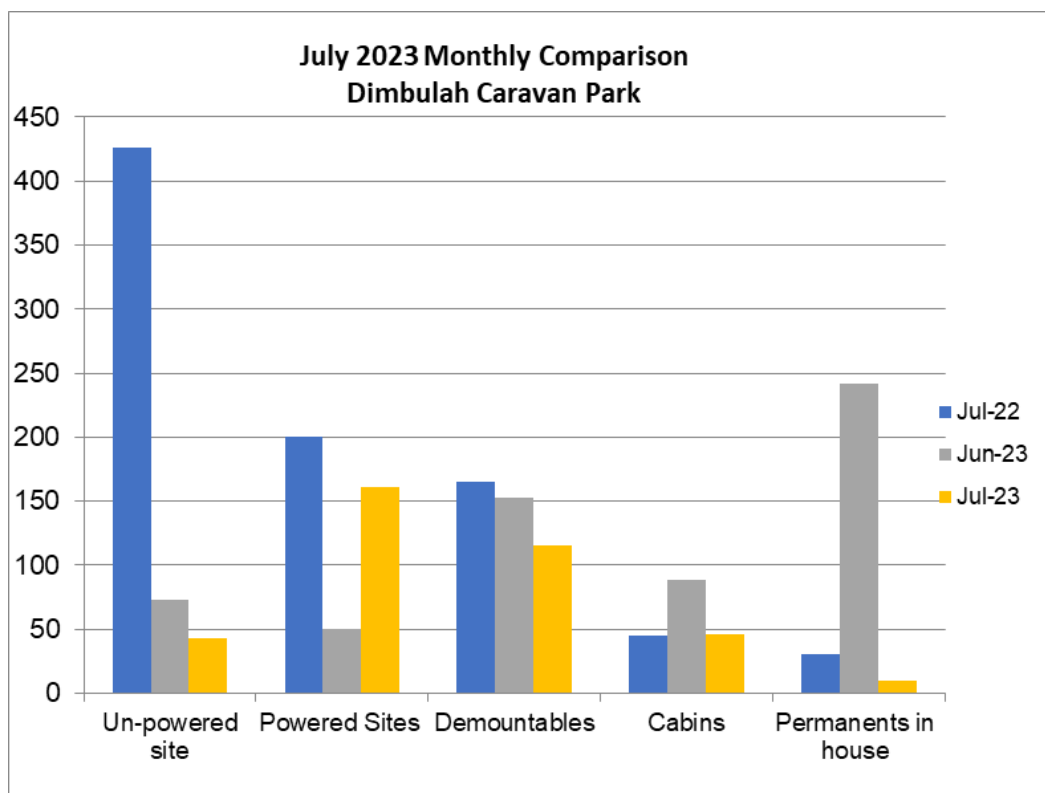


Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers have remained steady across all sectors. The significant change in demountable and permanent housing categories is associated with how the data is now reported by the lessee.

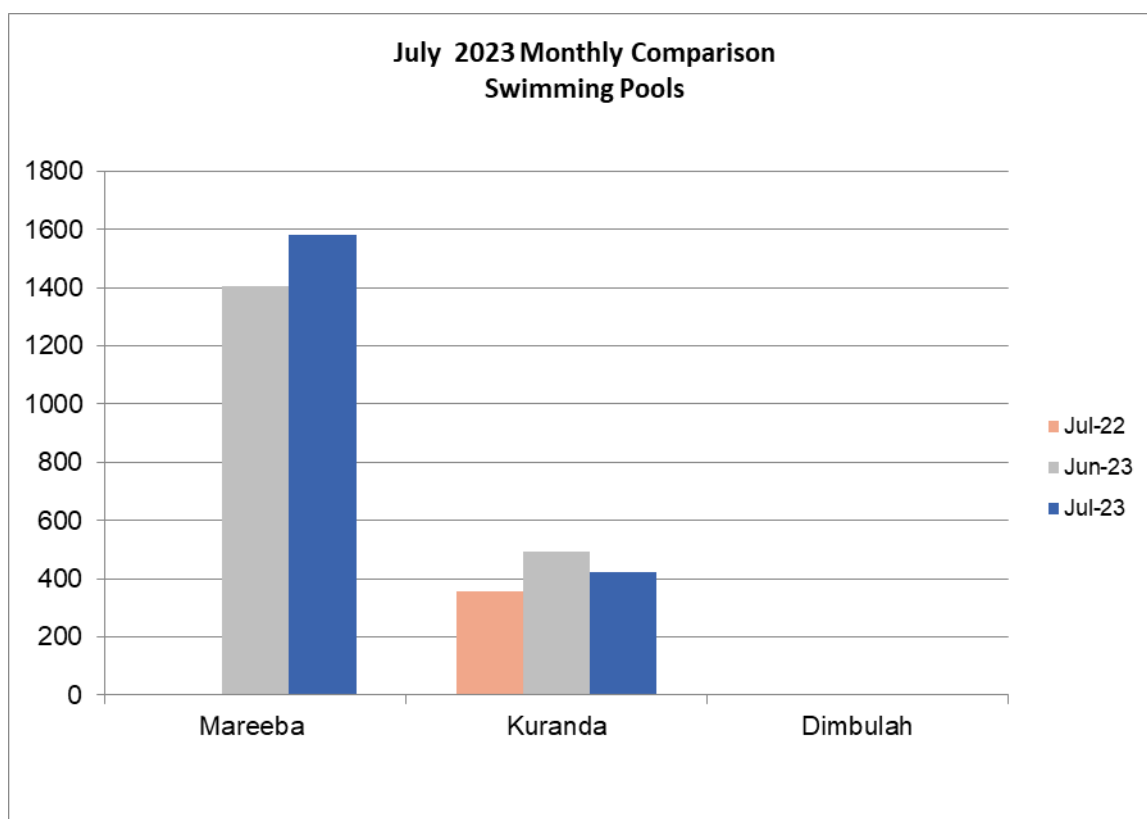


Dimbulah Caravan Park tenant numbers are generally reduced which may align with the cooler months.



Aquatic Centres

Attendance numbers for Mareeba have strengthened in July, which is generally attributable to the Splash Park, and heating for the pools coming on-line. Previously, Mareeba Pool was closed in July as part of the winter shut-down. Kuranda attendance remains in line with previous years. Dimbulah Pool is closed for winter and will re-open in early September.



Vandalism & Graffiti:

During July, five (5) reports of vandalism were recorded for Council facilities, with annual costs provided below;

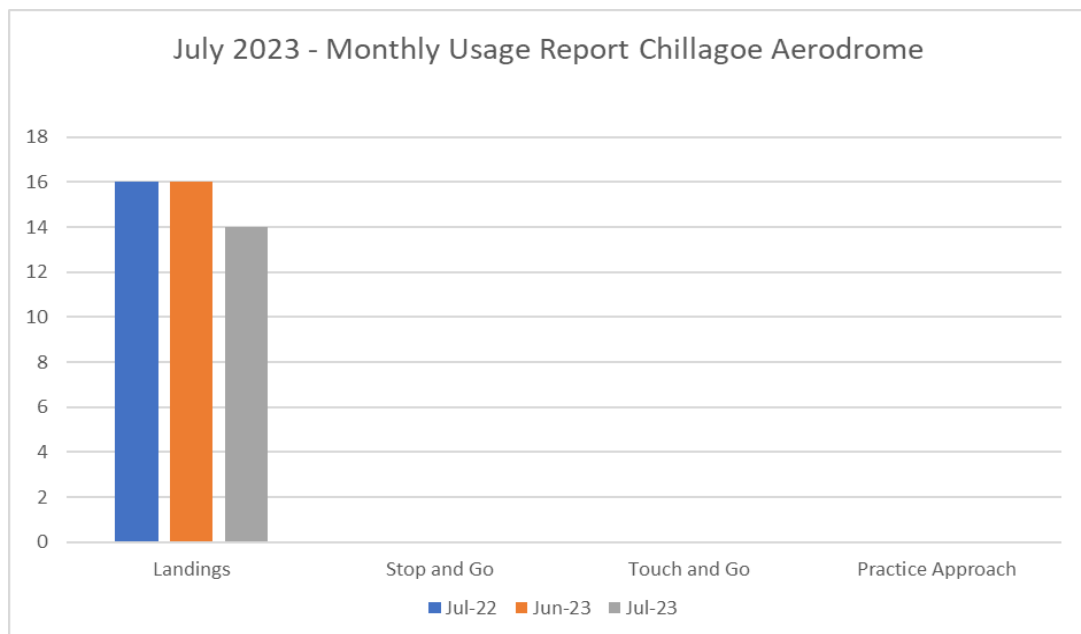
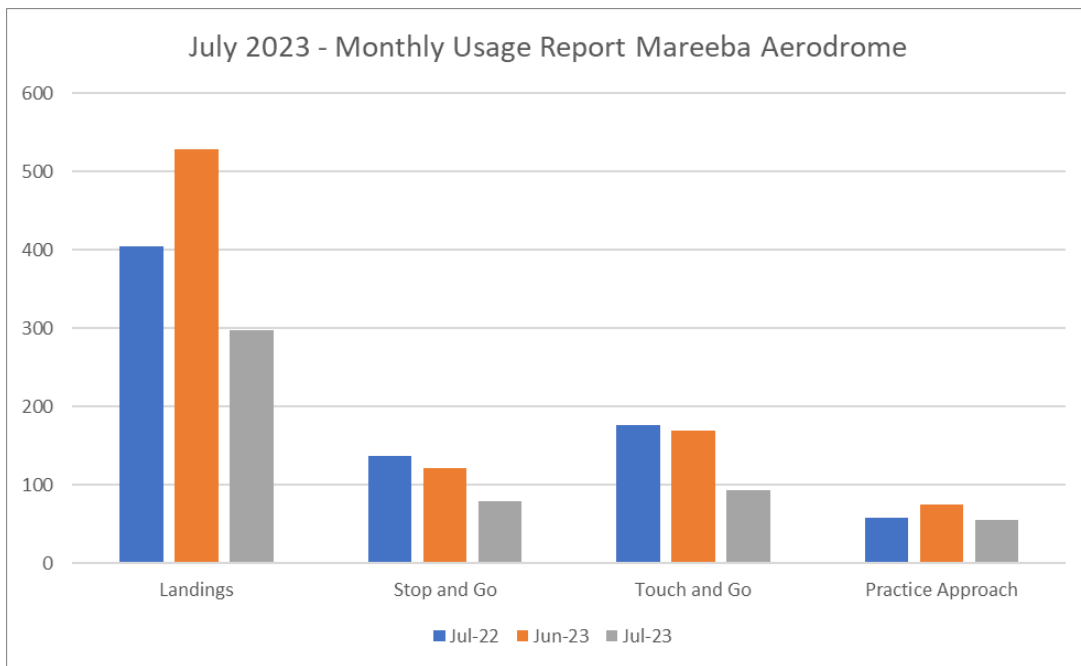
Financial Year	Actuals	Comments – July 2023
2015/16	\$ 2,134.00	<ul style="list-style-type: none"> • Mareeba CWA Toilets – Vandalism x2 • Mareeba Rankin St Office – Vandalism x1 • Mareeba Mary Andrews Park Toilets – Vandalism x1 • Mareeba Arnold Park Toilets – Vandalism x1
2016/17	\$ 16,546.00	
2017/18	\$ 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	\$33,030.18	
2023/24	\$150.00	

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 July, 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.

Landings for both facilities are reduced lower than previous years, however with the extended wet season this is not unexpected.



FINANCIAL AND RESOURCE IMPLICATIONS

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.

9.5 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - JULY 2023

Date Prepared: 19 July 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 July 2023.

RECOMMENDATION

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

BACKGROUND

Water and Wastewater Treatment:

All treatment plants are generally performing satisfactorily. Water demand was varied across all schemes. Rainfall in most catchments has resulted in decreased consumption per connection compared with previous years.

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.

Data for Mt Molloy is unavailable for the month of July due to a faulty bulk flow meter. Parts are being sourced for replacement.

Connections have been updated with information provided by the rates section to correspond with annual KPI reporting.

Water Treatment	Mareeba	Kuranda	Chillagoe	Dimbulah	Mt Molloy*
Water Plant average daily production (kL)	7,466	743	298	276	N/A
Number of Connections	4,141	1053	127	246	111
Average daily water consumption per connection (L)	1,803	705	2,348	1,122	N/A

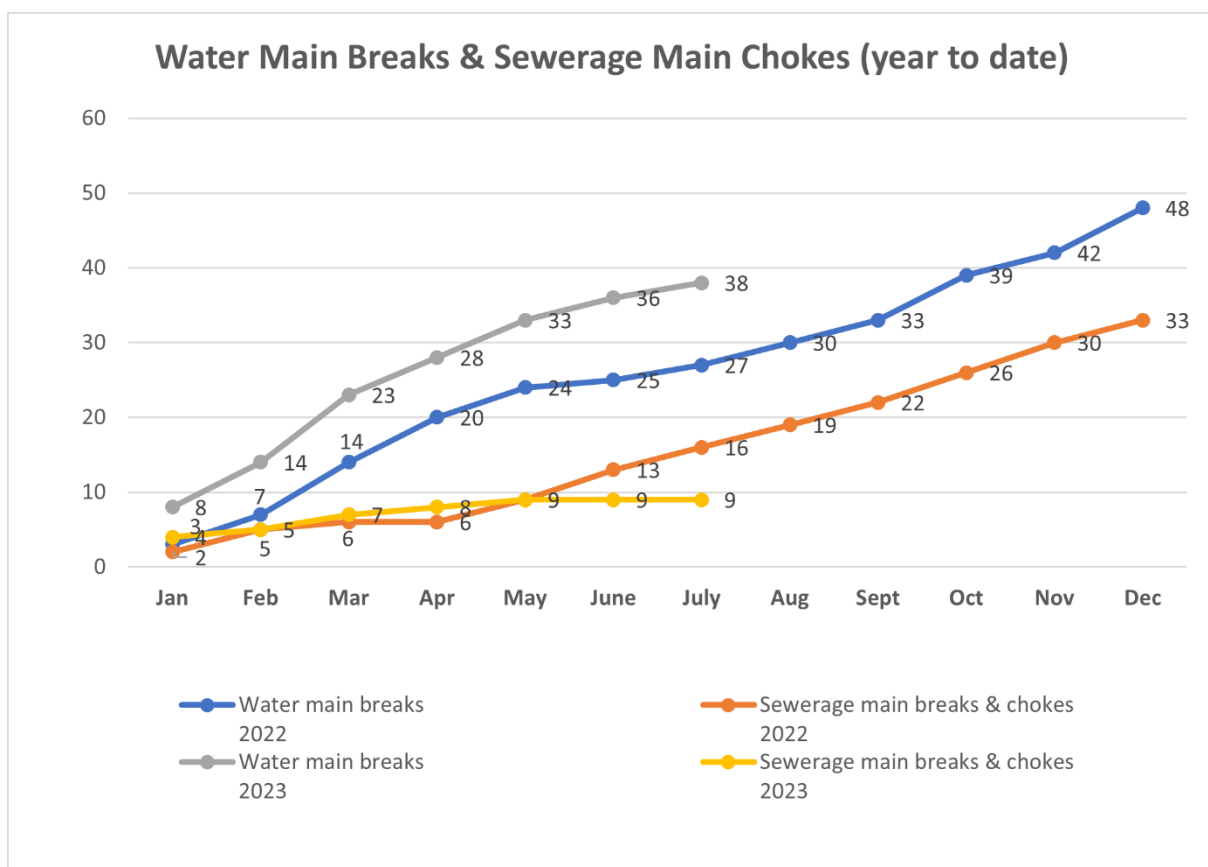
* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2,233	207
Number of Connections	3,519	356
Average daily inflow per connection (L)	635	582

Water and Wastewater Reticulation:

Council's water reticulation crew attended to two (2) water main breaks, and zero (0) sewer main breaks/chokes this month, and average response times were within targets set out in Council's customer service standard for water services.

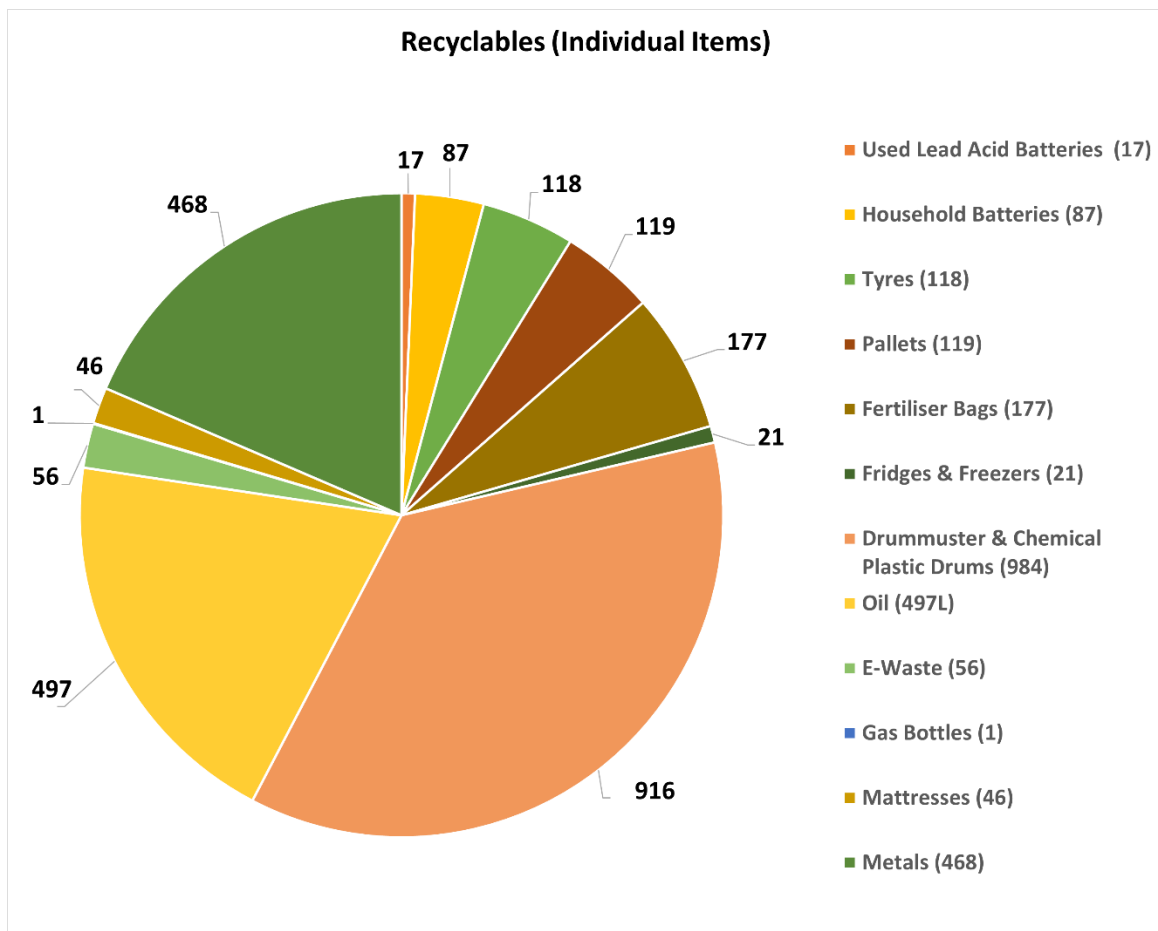
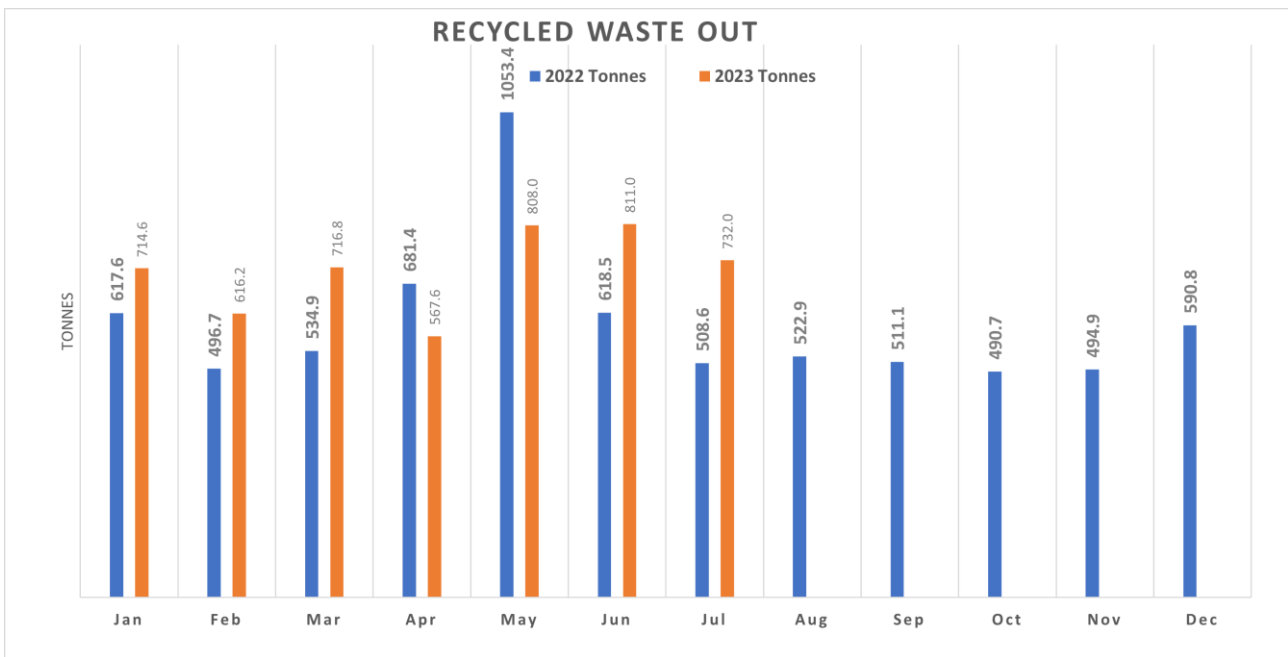
Monthly statistics are shown on the water reticulation main breaks and sewerage main breaks and chokes:



Waste Operations:

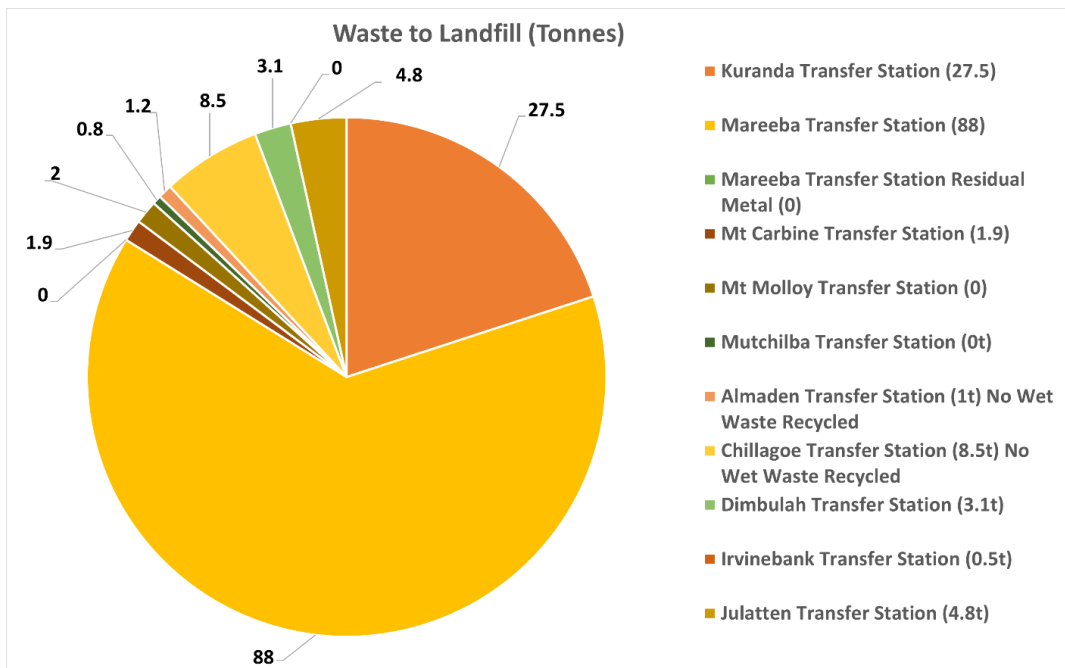
Recycling

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. During July, 502 tonnes of waste was processed through the ARRF, and 9.7 tonnes of domestic items were recycled at the MRF. This month, there was an increase in household batteries, tyres, pallets, fertiliser bags, chemical drums, e-waste, and metal recycled through the region's Transfer Stations.



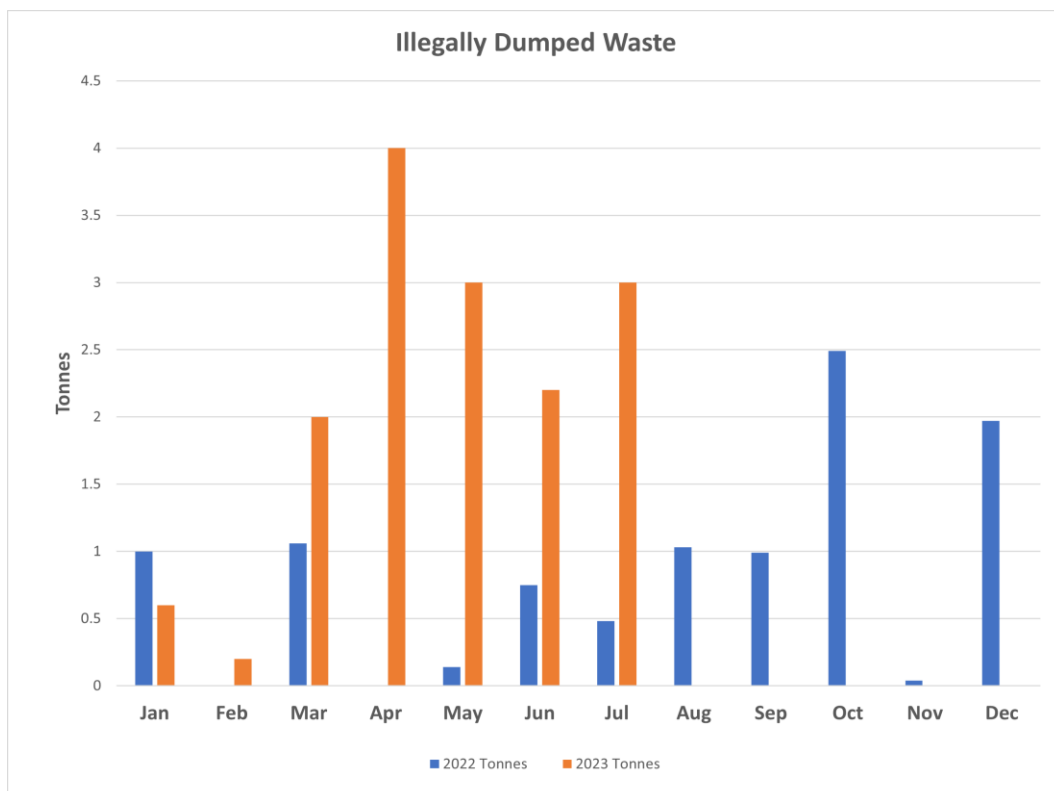
Waste to Transfer Stations

Transfer Station dry waste is transported off site to the Springmount Waste Facility. During July a total of 138 tonnes of waste was sent to landfill.



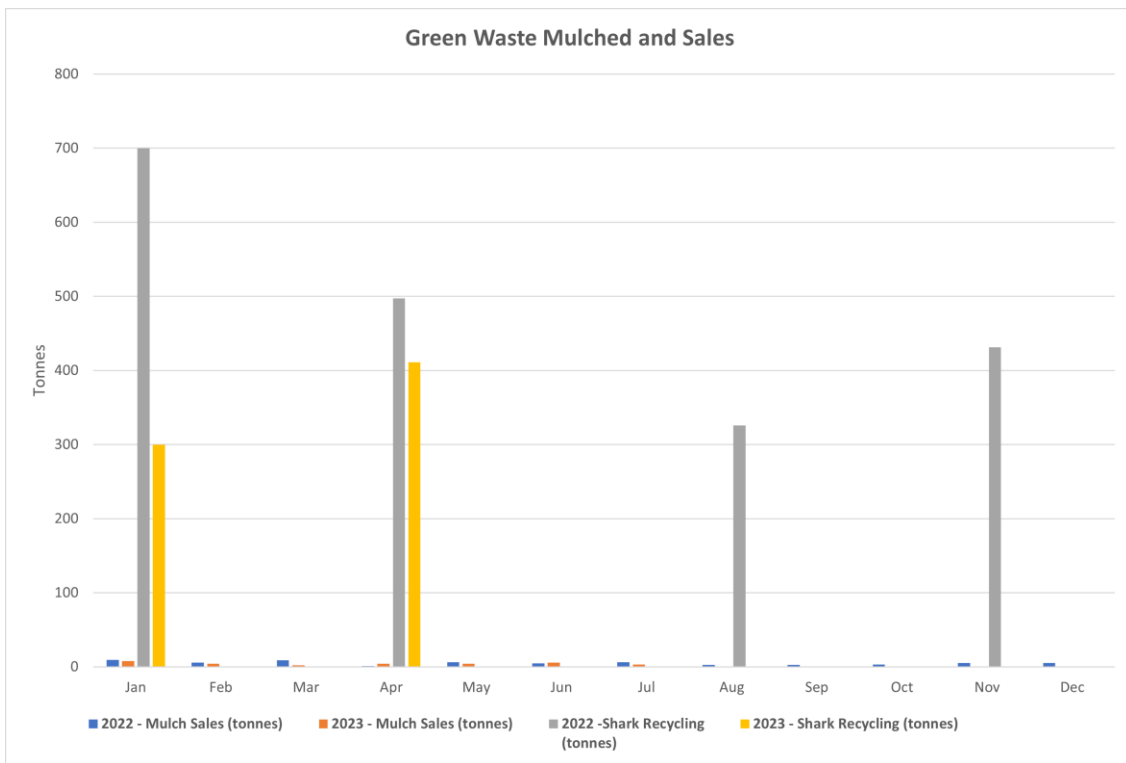
Illegally Dumped Waste

A total of 3 tonnes of illegally dumped waste was recorded through Transfer Stations during July. 2.4 tonnes of this waste was illegal road litter and 600 Kgs was illegally dumped tyres on roadsides. This does not include the illegal dumping on TMR Roads.



Green Waste

During July, Council received a total of 562 tonnes of green waste, the largest monthly quantity received this year. The region’s Transfer Stations are preparing for a further increase in green waste due to the upcoming Free Green Waste Days in August. Kuranda recorded 6 tonnes of green waste from locations registered as being potentially contaminated with Electric Ants. Green waste sales remained stable, with a total of 3.2 tonnes sold during July.



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

9.7 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - JULY 2023

Date Prepared: 7 August 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 July 2023.

RECOMMENDATION

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

BACKGROUND

Transport Infrastructure

Emergent Works

Mareeba Shire Council was eligible for DRFA funding following the activation of the shire under the Northern and Central Queensland Monsoon and Flooding 20 December 2022 to 30 April 2023 event. DRFA emergent works were eligible for repair until 29 July 2023.

During July, the Works Group has undertaken emergent work on the following roads within the shire.

Road	Locality
Chewko Road	Mareeba
Sutherland Street	Mareeba
Mt Lewis Road	Julatten
Clacherty Road	Julatten
Strathleven Road	Gamboola
Rubina Terrace	Irvinebank
Mt Misery Road	Irvinebank

Unsealed Road Maintenance Grading

Road	Locality
Hodzic Road	Bilwon
Spena Road	Mareeba
Davies Creek Road	Mareeba
Rollinson Drive	Mareeba
Sabin Road East	Mareeba

Road	Locality
Kay Road	Mareeba
Adler Hill Road	Mareeba
Springfield Road	Springfield

General Maintenance

Activity	Area
Slashing/Mowing	Speewah and Kuranda areas
Fire Break Installation	Mareeba Industrial Park, Granite Creek-Mareeba
Unsealed Road Repairs	Mt Molloy, Julatten and Irvinebank areas
Inlet and Outlet Drainage	Mt Lewis Road and Davies Creek Road
Illegal Dumping Clean up	Various locations in Mareeba and Kuranda areas
Patching and Edge Repair	Kuranda, Mareeba and Mt Molloy areas

Customer Requests

During the month of July, the Works Group received 98 Customer Requests (CRs) with 128 resolved (resolved requests include those received prior to July 2023). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management	RMPC
July	68	25	4	1

At the time of reporting, the Works Group had 92 open requests.

TMR Routine Maintenance Performance Contract (RMPC)

During July, unsealed road maintenance grading continued on the Burke Developmental Road (BDR) reaching Louisa Creek and was completed on the unsealed section between Irvinebank and Petford.

Pipe inspections were completed on the Mulligan Highway between Mareeba and Mt Molloy, Mt Molloy and the Cook Shire boundary and the Mareeba – Dimbulah Road. Pipe inspections have now commenced on the BDR.

Other works included the updating of the rail crossing signage at Almaden.

Parks and Open Spaces

With the cooler winter weather, crews are now only mowing open spaces as required and irrigated parks approximately once per fortnight. Open drains across Mareeba township have mechanically cleared and herbicide treated in readiness for the upcoming wet season.

Other activities undertaken in July include;

- Turf laid at Anzac Park Mareeba
- Two (2) additional seats installed at Centenary Park playground
- Slashing of Shaban and Eales Parks
- Tree removal in Chillagoe and Mareeba
- Vegetation management to enable street sweeping activities
- Mareeba Cemetery mowing and brush cutting
- Removal of the rodeo banner and the erection of the Multi-Cultural Festival banner
- Street cleaning and sweeping of Byrnes Street post rodeo procession
- Repairs to the drinking fountain at Centenary Park, Kuranda

Fire Management

- All Mareeba fire breaks and the mulching of vegetation along Granite Creek is complete.

Land Protection

Parthenium Weed: Inspections carried out on 13 sites. All landholders are complying with their biosecurity obligation. Land Protection Officers (LPOs) continue to monitor one (1) site every two (2) weeks with the other 12 every three (3) weeks.

Siam Weed: LPOs completed the Siam Weed survey and removal on all known sites at Gorge Creek-Watsonville, Sandy Creek-Mt Molloy, Back Creek-Petford and Holmes Creek-Mt Carbine.

Department of Agriculture and Fisheries (DAF) four tropical weeds: LPOs assisted DAF in herbicide treating a large patch of Miconia Racemosa in Fairyland Drive, Kuranda.

Kuranda State School Certificate II - Conservation Land Management: The Land Protection Coordinator assisted Djabugay Bulmba Rangers in a presentation to Kuranda State High School students who are in the process of completing their Cert II in Conservation Land Management.

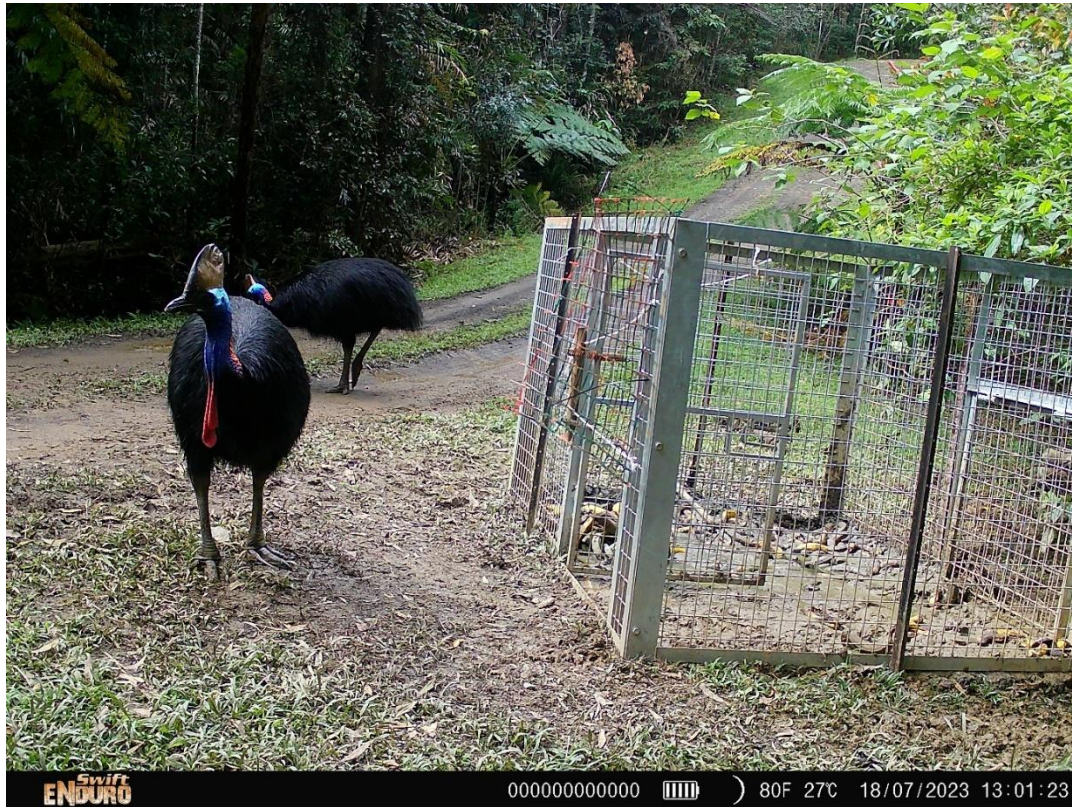
Aerodrome stockpiles: Stockpiles at the Mareeba Aerodrome and Zenel Road have been herbicide treated prior to fill being relocated to limit weed seed spread.

Wild Dogs: Five (5) properties have carried out 1080 baiting, one (1) on the upper Barron River and four (4) on the Mitchell River catchment totalling 117,520 hectares.

Wild Pigs: A total of 12 pigs were trapped and destroyed during July. Pig traps were provided to landholders in Cadagi Drive, Kuranda and Douglas Track West, Speewah. The property on Douglas Track West is a known cassowary habitat for which the landholder held concerns the pigs are competing for the cassowary food supply and, as it is the nesting season for cassowaries, the pigs prey on the Cassowary eggs.

The pig traps provided to landholders are designed to be cassowary safe.





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