

9.2 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - JUNE 2022

Date Prepared: 15 June 2022

Author: Manager Projects

Attachments:

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

EXECUTIVE SUMMARY

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

RECOMMENDATION

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

BACKGROUND

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

RISK IMPLICATIONS**Financial**

The capital works program is tracking within budget.

Infrastructure and Assets

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

FINANCIAL AND RESOURCE IMPLICATIONS**Capital**

All capital works are listed in and funded by the 2021/22 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 - June 2022



Project Name: Reynolds Street, Mareeba - Kerb and Channel Replacement

Program: Urban Streets

Background

The existing asphalt pavement surfacing in Reynolds Street is cracked and requires re-asphalting to protect the underlying road base material from water ingress. The large African Mahogany trees, that occur at intervals along Reynolds Street, have also caused significant damage to sections of the existing kerb and channel.

The project is funded with a combination of R2R (Roads to Recovery) funding and the 2021/22 Reseal and Asphalt program.

Scope of Works

Prior to the milling out of the aged, cracked asphalt and replacing with new DG14 asphalt, the damaged existing kerb and channel needed reconfiguring and replacing. The reconfigured kerb and channel will allow the trees to remain by creating nodes around the trees and protecting the pavement.

Progress Update

The asphalt overlay component of the project was completed in late June with the line marking to be installed in conjunction with other programmed works in the coming weeks.



Reynolds Street (before)



Reynolds Street (after)



Reynolds Street (before)



Reynolds Street (after)

**Infrastructure Services Capital Works Report
Project Highlights - June 2022**



Reynolds Street (before)



Reynolds Street (after)

Infrastructure Services Capital Works Report Project Highlights - June 2022



Project Name: Davies Creek Road Bridge Upgrade

Program: Bridges

Background

A Level 3 engineering inspection and load assessment was undertaken on the existing Davies Creek bridge in 2015 which identified significant deterioration of some of the timber girders.

In February 2021, Council secured a grant under the Australian Government's Bridges Renewal Program towards the upgrading of the existing bridge on Davies Creek Road approximately 3.1km from the intersection of the Kennedy Highway and Davies Creek Road.

Scope of Works

The scope of works included replacing the existing timber girders and deck of the bridge with concrete precast deck and kerb units, the installation of bridge relieving slabs and the provision of an asphalt deck wearing surface.

Progress Update

Construction work was completed 23 June 2022 and the bridge was reopened to traffic prior to the commencement of the June School Holidays.

An asphalt deck wearing surface will be installed in the second week of July to finalise the project.



Davies Creek Road bridge (before)



Davies Creek Road bridge (after)

**Infrastructure Services Capital Works Report
Project Highlights - June 2022**



Project Name: 2021/22 Gravel Re-Sheet Program

Program: Gravel Re-Sheet

Background

Funding has been allocated in the Capital Works Budget for re-sheeting works to be undertaken where required at various locations throughout the shire. The works are carried out generally in conjunction with Council's road maintenance unsealed road grading program to reduce the cost of mobilisation of plant.

Progress Update

During June, sections of Emerald Falls Road and Shanty Creek Road North were gravel re-sheeted. In the coming months, Ellis Road in Julatten and the Doyle Street Unsealed Car Park are programmed for re-sheeting, pending weather and resources.



Emerald Falls Road



Shanty Creek Road North

Infrastructure Services Capital Works Report Project Highlights - June 2022



Project Name: Kuranda Cemetery Columbarium Wall Revitalisation

Program: Non Infrastructure

Background

In February 2022, funds were allocated by Council to undertake the refurbishment of the existing columbarium wall at the Kuranda Cemetery.

Scope of Works

The scope of works included the provision of a concrete surround to the wall, the removal of two pine trees that posed an issue to the structural integrity of the wall, additional stabilisation of the existing earth bank and further plantings and irrigation.

Progress Update

The project was completed in late June.



Columbarium Wall (before)



Columbarium Wall (after)



Columbarium Wall (after)



Columbarium Wall (after)

Infrastructure Services Capital Works Report Project Highlights - June 2022



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

Program: Rural Roads

Background

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

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

Scope of Works

The second of these projects is the widening of the narrow sections of existing bitumen sealed road to 8m including the replacement and extension of existing culverts from Chainage 6330 to Chainage 9350.

Progress Update

The pavement rehabilitation and widening activities commenced in December 2021 and were subsequently put on hold due to the continued wet weather certain areas of the shire have experienced in 2022. Work recommenced in late May when site conditions improved enough to allow construction at several locations within the project footprint.

Section A - Ch 7010 to 7180

- No construction work at this stage

Section B - Ch 7630 to 8295

- Clear and grub
- Culvert extensions
- Drainage works

Section C - Ch 8385 to Ch 8760

- Clear and grub
- Culvert extensions/replacements
- Drainage works
- Widen works
- Completed to 2 coat sealed standard

Section D - Ch 9010 to Ch 9350

- Clear and grub
- Culvert extensions
- Drainage works

Infrastructure Services Capital Works Report Project Highlights - June 2022



Section C - Earthworks



Section C - RCP Removal



Section C - RCP Replacement



Section C - Completed Base Layer Widening



Section C - First Coat Bitumen Seal 16mm



Section C - Completed Two Coat Seal

Infrastructure Services Capital Works Report Project Highlights - June 2022



Project Name: AC Pipe Renewal Water Main Upgrade – Mareeba North

Program: Water

Background

An allocation has been provided in the 2021/22 Capital Works Program to replace the failed existing asbestos cement (AC) water mains throughout the Shire as part of Council's strategy to address critical water issues across the Shire over the next 10 years.

This section of water main was identified for replacement following the numerous main breaks occurring in the past few years and will complement works undertaken by Council work crews in 2021. This project is being undertaken with funding assistance through the Queensland Government's Works for Queensland program.

Scope of Works

The scope of work includes replacement of the existing water main with 100mm PVC Supermain, in addition to new service connections, valving and hydrants. The contractor will commence installing new mains along Starcke Street and then move onto Hampe Street. Once these sections are completed, the contractor will then progress to Moody Street where a 300mm PVC Supermain will be installed.

Progress Update

The contractor since receiving the delivery of key pipeline material is making good progress installing the 300mm PVC Supermain along Moody Street.



Installations of the new 300mm diameter PVC Supermain along Moody Street

Infrastructure Services Capital Works Report Project Highlights - June 2022



Project Name: Granite Creek Sewage Pump Station Upgrade

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, it 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 have progressed albeit slowly with key construction staff spending a lot of their time on the minor sewerage pump station project which runs simultaneously. The internal divider walls have hampered progress, but a works program update has been highlighted to the contractor for works already in the construction program they can continue with.



Installation of a frog flap to the overflow line to the licenced discharge point and internal wall scalping

Infrastructure Services Capital Works Report Project Highlights - June 2022



Project Name: Mareeba and Kuranda Sewerage Pump Station Upgrades

Program: Wastewater

Background

Council has previously undertaken a condition assessment of all sewerage pump stations in Mareeba and Kuranda sewerage schemes and identified an upgrade program where an allocation has been provided in the 2021/22 Capital Works Program for the upgrading and refurbishment of minor sewerage pump stations in Mareeba and Kuranda.

Scope of Works

The scope of works included:

- Supply and install new injection points, bypass pumping during the upgrade, civil works, concrete works, drainage improvements and new retaining walls.
- Relocation of the electrical switchboard and the construct new plinths where required.
- Refurbishment of the wet well pipework and reuse of the existing pumps.
- Upgrade pipework in valve boxes along with general repairs.
- Supply pump station covers to meet current WHS standards and recoat caisson and conduct localised concrete repairs.
- General repairs to equipment and site reinstatement and general site clean-up.

Progress Update

The contractor has established at all three (3) sites; Thooree Street, Arara Street and Palm Close Sewerage Pump Stations. Arara Street is now completed with the remaining works at Thooree Street soon to be completed and then works will focus on Palm Close.

Thooree Street, Kuranda

Works carried out include service locations; procurement of pipework, lids and material; valve pit excavation; V-Drain excavation, formwork and reinforcement and root barrier installation.



Thooree Street SPS valve pit and wet well lids installed, sealed and grouted

**Infrastructure Services Capital Works Report
Project Highlights - June 2022**



Arara Street, Kuranda

Works now completed at this site.



Works completed at Arara Street, Kuranda

Palm Close, Mareeba

Works carried out include procurement of pipework, lids and material and service locations.



Site inspection

Infrastructure Services Capital Works Summary Report - June 2022

Project Description	Project Stage	Progress Comment
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
2021/22 Reseal & Asphalt Program	Construction	Wet weather has meant that there are still two roads in Mareeba and approximately 1.5 days of resealing in the Kuranda area yet to be completed. Reseals will continue when the area is experiencing fine weather. The asphalt component of the program was completed in late June with the overlaying of Reynolds Street in Mareeba.
BETTERMENT Co-Contribution	Not Commenced	No projects submitted due to ROI outcome, funding to be used to develop future strategy.
Program: 02 Gravel Resheet		
2021/22 Gravel Resheet Program	Construction	Gravel resheeting was undertaken on Shanty Creek Road North and has commenced on Emerald Falls Road. Upcoming resheets include the unsealed car park in Doyle Street, Mareeba.
Program: 03 Urban Streets		
R2R Reynolds Street, Mareeba - Replace Kerb and Channel	Construction	Construction and overlay have been completed; line marking to be installed as part of MSC Reseal Line Marking Program.
Program: 04 Rural Roads		
TIDS Euluma Creek Road, Julatten Ch 7.01-9.325 Rehabilitate & Widen 3 sections within chainage	Construction	Section C has been sealed. Base and rock protection materials stockpiled on site to aid spending prior to the end of the 22FY. MSC have expended sufficient funds to meet 100% of 2021/22 TIDS allocation.
TIDS Euluma Creek Road, Julatten Ch 9.350-10.130 Rehabilitate & widen 3 sections within chainage	Procurement	Design and procurement completed. Project will commence October 2022.
Borzi Road, Mareeba - Widen and Seal Ch 0.03-0.67	Procurement	Project pushed out to start in late August 2022.
DRFA Betterment 2019 - Clacherty Road, Shanty Creek Road & Fossilbrook Road	Completed	The 2019 DRFA Betterment Program is now complete.
Fallon Road, Kuranda - Rehabilitate Pavement Ch 0.874 - 0.948	Planning	QRA approved remediation works to be quoted and completed in the 2022 calendar year.
Program: 05 Bridges		
BRP Kanervo Road, Replace Timber Bridge over Davies Creek	Construction	Site works will commence 12 July 2022 weather permitting.
BRP Davies Creek Road Bridge Replacement	Construction	Davies Creek Road bridge open to traffic 24 June 2022. Asphalt deck wearing surface to be installed 12 July 2022.
Granite Creek, Mareeba - Replace Footbridge Deck (Eales Park)	Procurement	Designs received, works will be programmed for after the completion of Kanervo Road Bridge Upgrade.
Palm Close, Mareeba - Replace Footbridge Boards	Procurement	Designs received, works will be programmed for after the completion of Kanervo Road Bridge.
Bicentennial Lakes Footbridge Safety Upgrade	Procurement	Designs received, works will be programmed for after the completion of Kanervo Road Bridge Upgrade.
Program: 06 Drainage		
2021/22 Minor Culvert and Causeways Renewal	Construction	Hodzic Road culvert installation complete. Resources will be deployed to Leafgold Weir Road when available. Possibly later in July weather permitting.
Amaroo Mareeba - Drainage Upgrade Stage 2 of 3 - Karobean Drive to Yarrabee Close (300m)	Procurement	Programmed to start 11 July 2022, weather permitting.
Program: 08 Parking		
Borzi Park, Mareeba - Carparking Masterplan	Planning	Concept layouts developed, consideration by EMT June 2022.
Program: 09 Footpaths		
2021/22 Footpath Renewal Program	Construction	A footpath will be installed at Centenary Park, Mareeba to allow disabled access to the "Pottery Shed". This work will be in conjunction with Amaroo Drainage Upgrade Stage 2.
Program: 10 Parks and Gardens		
Parks & Open Spaces Strategy	Construction	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.
2021/22 Park Entrance Sign Renewal Program	Construction	A new Ten Acre Park Sign has been ordered for Chillagoe. There is some confusion over the name of the park behind the Dimbulah Memorial Hall that will need to be resolved prior to ordering a sign for this location.
Byrnes Street Median Traffic Islands and Landscaping	Construction	Construction and line marking complete. Planting of smaller medians will commence 11 July 2022 after the rodeo procession.

Infrastructure Services Capital Works Summary Report - June 2022

Project Description	Project Stage	Progress Comment
Program: 11 Water		
Mareeba and Kuranda Water Treatment Plant - Staged start-up of raw water pumps upgrade	Design	Project intent to potentially list as upgrades at the water plant and submit as grant funded project. Project on hold pending grant application.
Mareeba Water Treatment Plant - Filter 3 Install dedicated backwash pumps and reconfigure wash water feed pipes	Not Commenced	Project on hold pending outcome of BOR grant application for funds toward new filter block.
Mareeba Water Treatment Plant - Optimise clarifier performance upgrade	Design	Report on project received from City Water Technology with recommendations for further works. Project to be funded in 2022/23.
Mareeba Water Treatment Plant - Backwash operation renewal	Not Commenced	Project pending outcome of grant application for new filter block. Working with City Water Technology for the implementation of this project, in conjunction with the new backwash system they are designing if grant funding is not successful.
W4Q4 Mareeba AC & Defunct Pipe Replacement 2.5km	Construction	Work is progressing well, Starcke Street completed along with the underbores. Contractor has also completed works along Hampe Street. They are now installing pipe work through the underbore sections. Anticipated completion is August 2022.
2021/22 Water Telemetry/SCADA Upgrades	Construction	Majority of the work is completed with a small amount of work to be completed during July and August to finalize the project.
Mareeba WTP Study and potential upgrade of wastewater system to improve supernatant quality	Construction	Project works underway. Expected completion date of late August or early September 2022.
Mareeba Water Treatment Plant - 5ML Reservoir Roof Replacement	Construction	Dawsons Engineering unable to complete their works by June 30 due to operational requirements on-site. Relocation of pipe from filter to reservoir will be done by second week July.
Mareeba Water Treatment Plant Filtration Upgrade	Design	Project design works continuing and actual project waiting on funding approval from grant application process.
Program: 12 Wastewater		
Mareeba Clear Water Booster Pump Station Upgrade	Design	Project design underway, tender invitation proposed late 2022 or early 2023.
Mareeba Wastewater Treatment Plant - Aeration diffusers replacement (every 5 years)	Construction	Installation works scheduled for mid July and early August.
Telemetry/SCADA Upgrades	Construction	Most works complete with residual work to be completed during July and early August.
New Sewer Pump Station Standby Generators x2	Construction	Delivery supply chain issues affecting the project with no certainty on a delivery date for the generators.
2021/22 Mareeba Sewer CCTV & Relining Program	Construction	Supply chain issues have delayed completion of the project. Reliners on site and hope to be completed by end of July 2022.
2021/22 Mareeba Wastewater Treatment Plant Component Renewals	Construction	Works essentially completed; commitments to be cleared July 2022 and project closed out.
Granite Creek, Mareeba Sewerage Pump Station Refurbishment	Construction	Project has been delayed due to concrete dilapidation of centre divider wall. Report to Council Meeting of 20 July 2022 seeking further funding for rectification works.
2021/22 Mareeba Pump Station Magflow Install Program	Construction	New flow meters now installed at Kenneally Road SPS and Robins Street SPS with electrical and telemetry installation to be finalised.
2021/22 Mareeba Wastewater Reticulation Pump Renewal	Completed	Project completed June 2022.
Minor Sewerage Pump Stations H2S protection and refurbishment	Construction	The two pump stations in Kuranda are completed. Works are underway at Palm Close Mareeba. Project is expected to be completed late July.
Program: 13 Waste		
Kuranda Waste Transfer Station Weighbridge & Gatehouse	Completed	In negotiations with weighbridge supplier regarding final invoicing. At this stage no agreement with supplier, matter to be resolved as soon as possible.
Mareeba Waste Facility - Buy Back Shop Construction	Completed	Once Ident Survey is complete project can be closed out.
Mareeba Waste Facility - Design for New Landfill Cells	Design	Design work underway, anticipated having it completed by late July or August.
Program: 15 Fleet		
GPS Vehicle Management System	Planning	Business Case being developed.

Infrastructure Services Capital Works Summary Report - June 2022

Project Description	Project Stage	Progress Comment
Replace Unit 5432 Sewerage Jet Rodder trailer with a hydro vac truck	Procurement	Monitoring auctions and will procure when suitable plant identified.
Fleet Replacement #1317 - Western Roads Landcruiser	Completed	Project completed June 2022.
Fleet Replacement #509 Backhoe	Procurement	Due to Brisbane Floods the backhoe council had ordered, was deemed a total loss due to being flooded with water. A replacement has been ordered anticipated delivery 1 August 2022.
Fleet Replacement #4053 - Husqvarna Zero Turn	Procurement	Purchase Order raised 26 October 2021; anticipated delivery has been pushed back September 2022 due to supply issues.
Fleet Refurbishment #400 - Cat Excavator (Track)	Procurement	Parts arrived April; anticipated completion July 2022.
Fleet Refurbishment Truck Mounted Water Tank	Planning	Business Case being developed.
Fleet Purchase Toolbox Trailer	Procurement	Anticipated completion July 2022.
Program: 16 Depots and Council Offices		
Rankin Street, MSC Admin Office Refurbishment	Construction	Internal primary works complete, minor external variations to be completed early July 2022.
Kowa Street, MSC Depot - Emergency Generator	Planning	Electrical Report recommendations discussed with EMT. Indicative prices for supply & install generator obtained in June 2022. Advice being sought from IT on how to proceed with UPS protection.
Program: 17 Community Buildings		
Koah Tennis Court - Remove/replace the unstable timber light poles (with metal poles and caged footings within concrete)	Planning	Installation dependent on materials delivery lag time. Installation expected late July.
Dimbulah / Mareeba / Kuranda Pools Chlorine Dosing Improvements	Planning	Delays due to prolonged wet have resulted in works not commencing prior to end of financial year. New works program being developed to ensure works are completed in a timely manner.
Mareeba Leagues Club Grandstand Refurbishment	Construction	Sustained inclement weather April-May impacted Contractors work commitments. Works scheduled for completion mid- July 2022.
Mareeba PCYC Shire Hall Part Roof Replacement (Partial roof replacement)	Construction	Work scheduled to commence early July. Inclement weather during April/May impacted Contractors work commitments to a number of roofing projects.
2021/22 Shire-wide Ablution Refurbishment Program	Construction	Completed June 2022.
Riverside Caravan Park Amenities Building Replacement	Procurement	Contract awarded; pre-start meeting scheduled for mid July 2022.
Program: 18 Non-Infrastructure Items		
Kuranda Columbarium Wall	Completed	Project complete June 2022.
Kuranda New Cemetery	Planning	Development Application submitted.
DRFA Flood Warning Infrastructure Network MbaSC.0016.1819E.FWI - River Gauge (Biboohra)	Completed	Works completed during April and gauge commissioned late April 2022.
DRFA Flood Warning Infrastructure Network MbaSC.0018.1819E.FWI - Rain Gauge (7 locations)	Construction	The remaining Mt Windsor National Park gauge installed. Project completed June 2022.
Program: 20 KIAC		
KIAC - New Wayfinding Signage	Construction	Refurbished signage inspected by Project Manager prior to return by manufacturer; two signs identified with incorrect messaging. An epoxy protective clear coat has been applied instead of a protective clear film that was defective and the primary issue of concern initially. The product has been improved to a standard expected by Council. It is anticipated signs will be returned late July 2022.

9.3 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - JUNE 2022

Date Prepared: 15 June 2022
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 June 2022.

RECOMMENDATION

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

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

Investigation activities undertaken in June included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	55	14
Drainage Investigations	4	3
NHVR Permit Applications	0	16
Aerodrome Investigations	1	0
Traffic Count Surveys	0	8
Parks Investigations	8	0
Miscellaneous <i>e.g.</i> Planning; Local Laws	21	3
Before You Dig Assists Requests	0	197

Soil Laboratory:

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

Supplier	No. of Tests
Internal	42
External	79

Asset Inspections:

Work was primarily focused towards improving data for the water, sewerage, roads, underground stormwater and kerbs assets. Inspections planned for July will cover the footpath and kerb & channelling asset class, however will predominantly be office based in support of the GIS team.

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	Amaroo Stage 12	Under construction
Mareeba	Emerald End Road & Country Road	Under construction
Mareeba	7 Haren Street	On-maintenance
Koah	123 Fantin Road (Two Chain Road)	On-maintenance
Mareeba	Kenneally Estate Stage 4	On-maintenance
Mareeba	The Edge Stage 3	On-maintenance
Mareeba	Amaroo Stage 11	On-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:

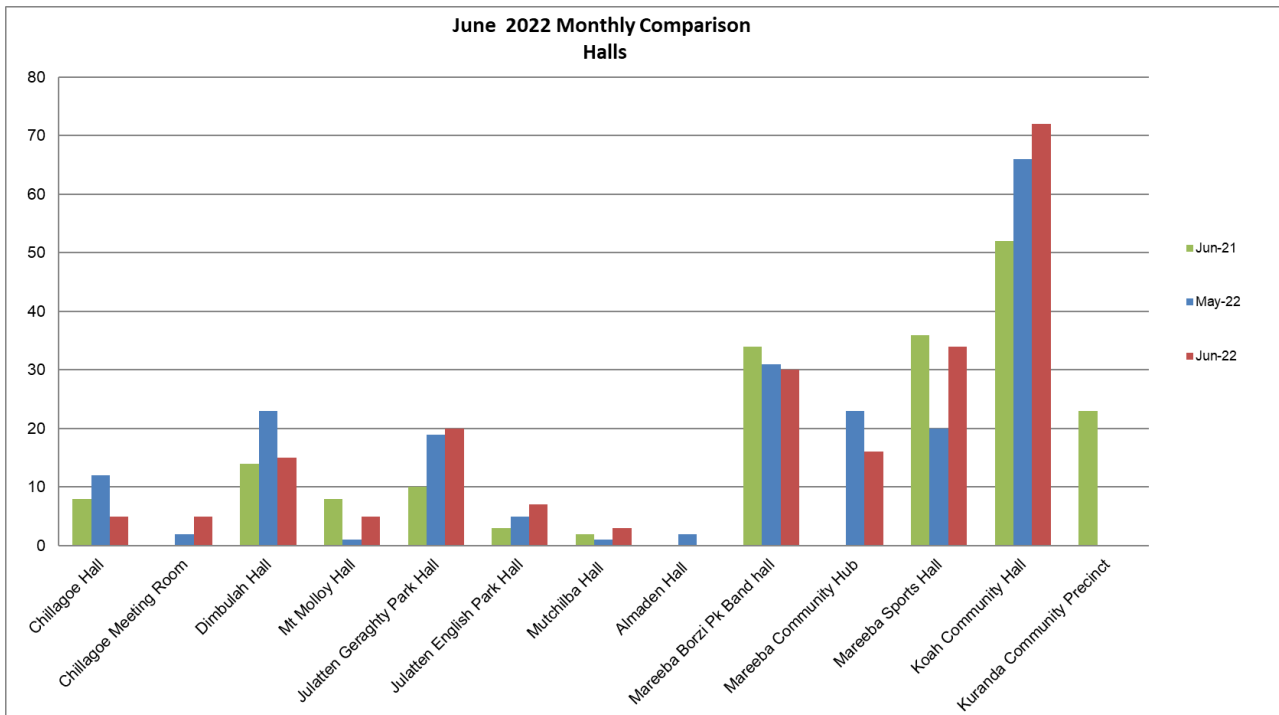
Program	Status
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Council has commenced assessment of damage, emergency repairs and immediate restoration of impacted roads throughout the Shire. A consultant has been engaged to assist with delivery of the 2022 DRFA Program in the coming months.
2021 DRFA Program General	Mareeba Shire activated DRFA assistance measures linked to Tropical Cyclone Imogen and associated low pressure system that occurred 2–12 January 2021. A consultant has been engaged to assist with delivery of the 2021 DRFA Program and delivery of the program is well progressed.
2021 DRFA REPA Program	Council at its Ordinary Meeting, 15 December 2021, endorsed award of the REPA Contracts on condition of endorsement by QRA. Works have commenced on all restoration packages with works on track for completion prior to end of calendar year.
2019 DRFA	Gamboola Crossing remains the only site not yet completed. Commencement occurred in late October however rainfall within the Mitchell River Catchment required demobilisation from site. Further damage to the site, arising from the 2022 event, will result in reassessment of the project by QRA within the 2022 recovery program.
2019 Betterment	Council have commenced the closeout process as required by QRA. Works are now complete.

Facilities

Community Halls:

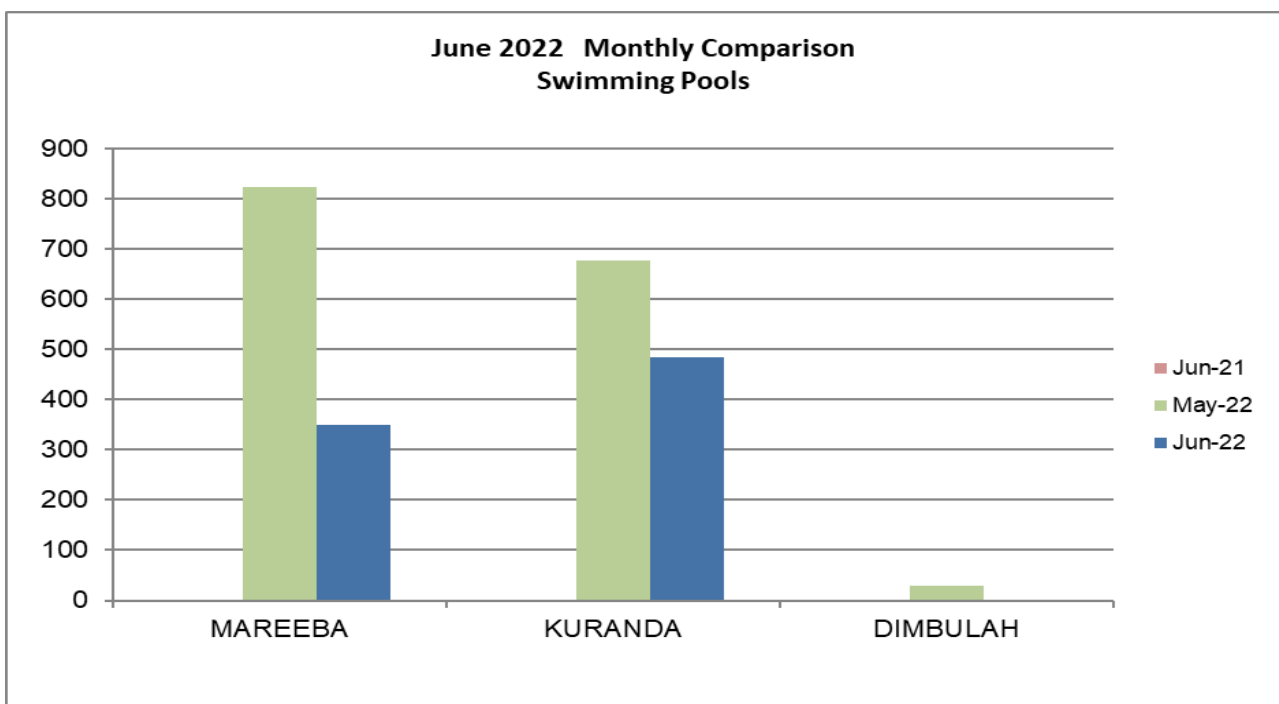
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing. All facility users are required to comply with the conditions set out by the State Government's COVID-19 Restrictions.

June hall hires have slightly increased against the previous month. Community groups and Club bookings are slowly on the rise.



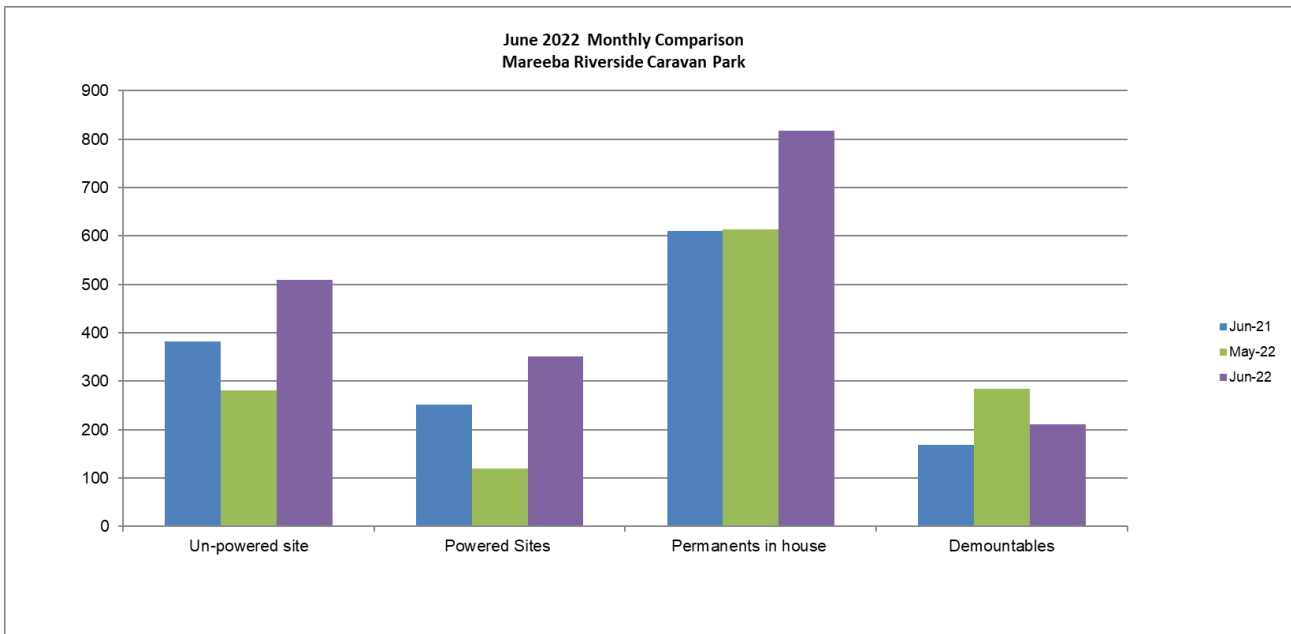
Swimming Pools

The cooler temperature has impacted the patrons visiting the pools during June. Dimbulah was closed for the annual scheduled winter period shutdown.

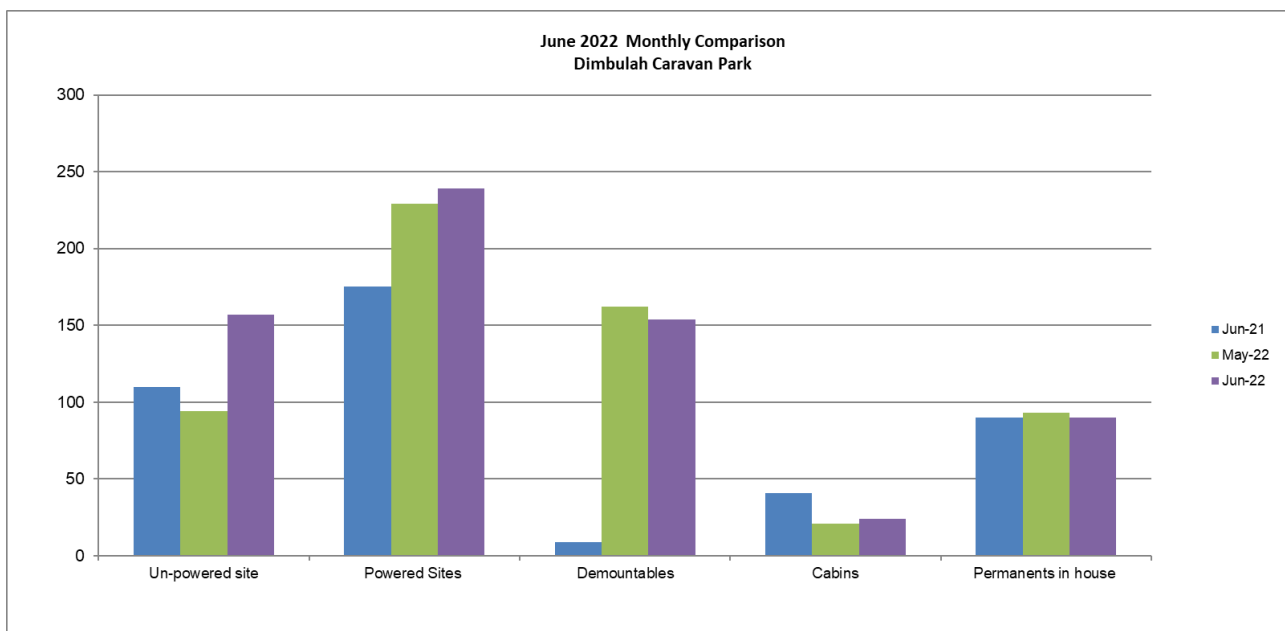


Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers have increased dramatically, with indications that Backpackers and Grey Nomads are returning to Mareeba.



Dimbulah Caravan Park utilisation has increased for the month of June. Advertising on grey nomad sites and introducing activities at the park including BBQ's are proving popular. Powered sites have increased with the travellers stopping in the town.



Vandalism & Graffiti:

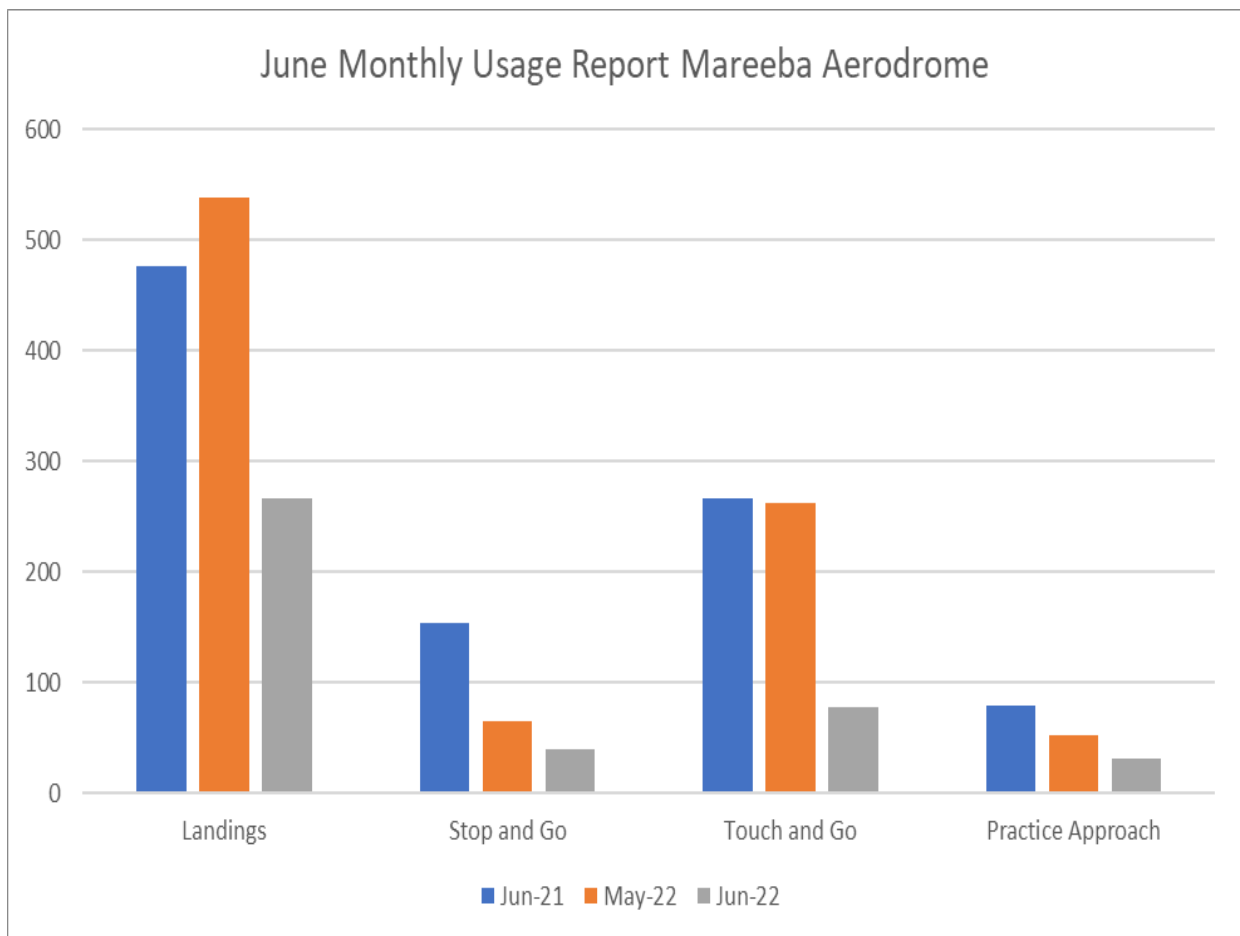
During June, 20 reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

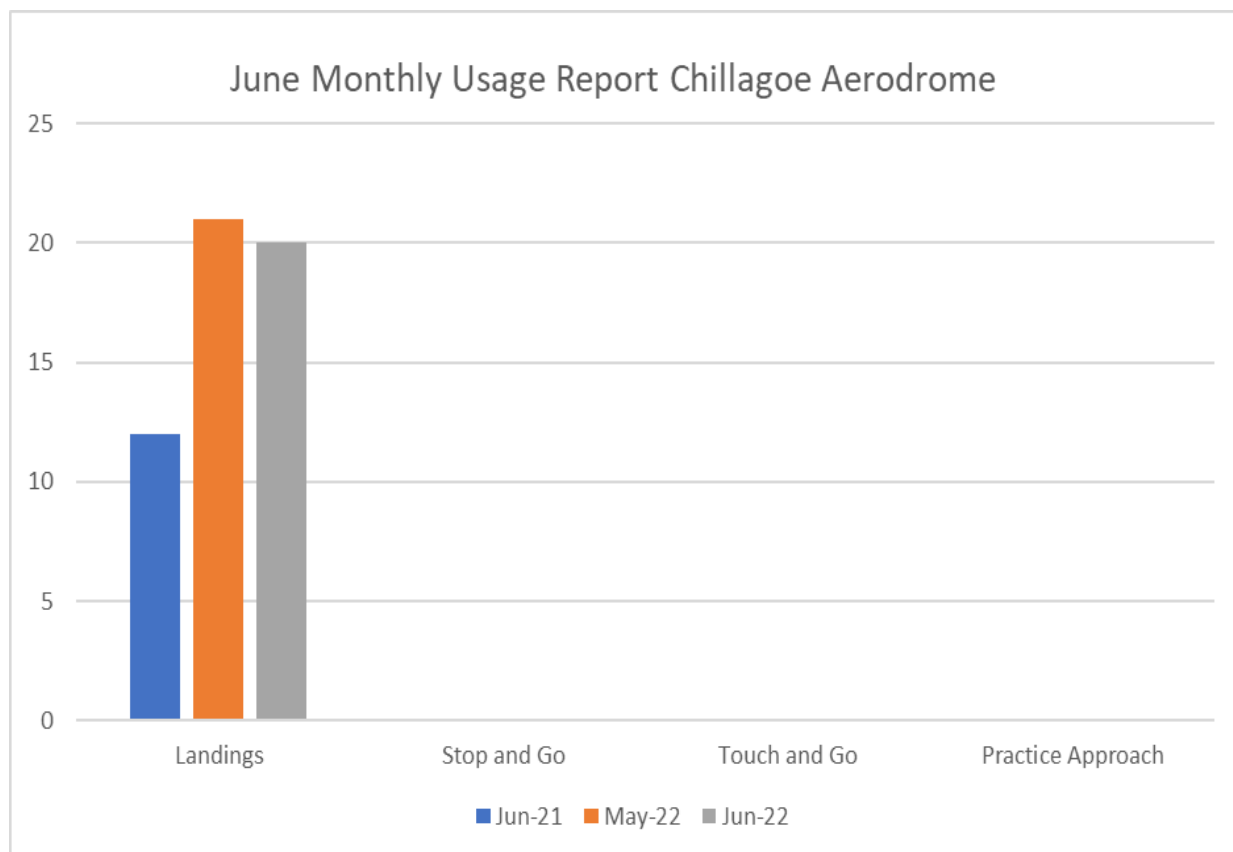
Financial Year	Actuals	Comments – June 2022
2015/16	\$ 2,134.00	• Mareeba Arnold Park - graffiti x 5
2016/17	\$ 16,546.00	• MBA Davies Park Toilets - vandalism x 1
2017/18	\$ 23,948.00	• MBA Gymnastics Hall - vandalism x 1
2018/19	\$ 14,851.00	• CWA Toilets/restroom - vandalism and graffiti x 5
2019/20	\$ 14,211.18	• Mareeba Sports Hall - vandalism and graffiti x 3
2020/21	\$ 62,199.62	• Mareeba Theatre Hall - vandalism and graffiti x 3
2021/22	\$ 48,301.12	• Mareeba Cenotaph - graffiti x 1 • Mt Molloy Vains Park Tennis Courts - vandalism x 1

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 June, however there is usually a lag of 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.

9.17 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - JUNE 2022

Date Prepared: 15 June 2022
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 June 2022.

RECOMMENDATION

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

BACKGROUND

Water and Wastewater Treatment:

All treatment plants are performing satisfactorily. Water demand was varied across all schemes with rainfall in some catchments resulting in slightly lower consumption per connection whereas some were slightly higher due to lower rainfall compared to the previous month.

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)	6,929	836	378	212	75
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,580	851	2,408	779	664

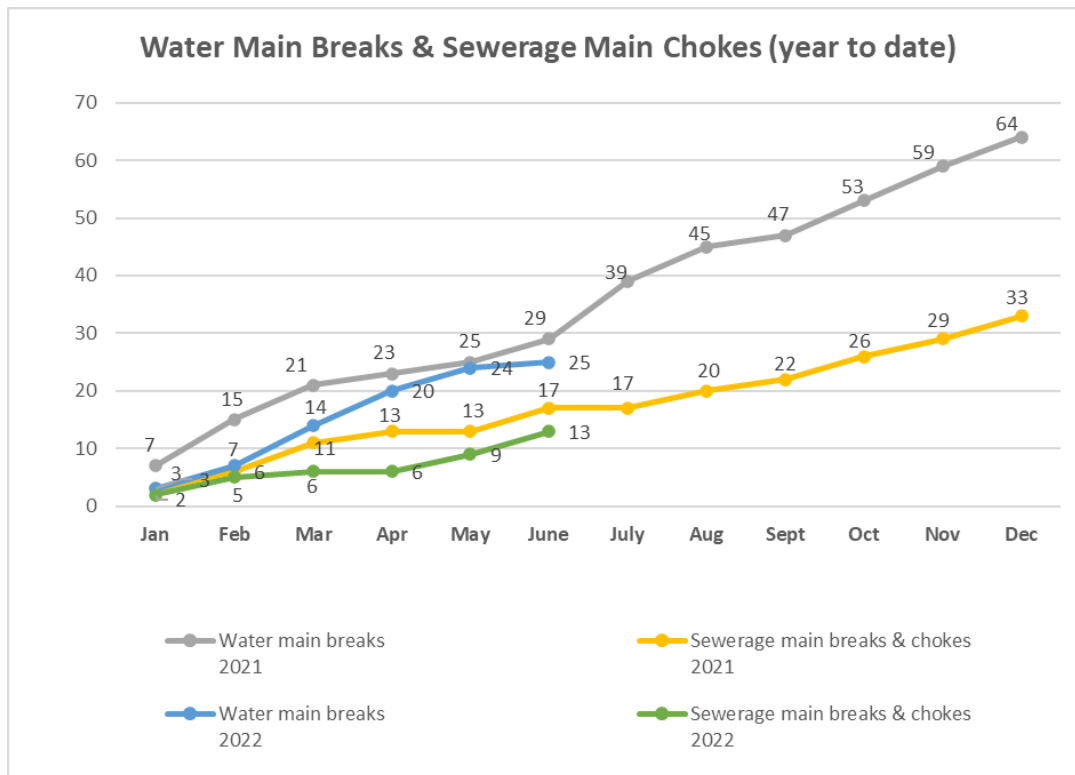
* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2,242	168
Number of Connections	3,424	346
Average daily inflow per connection (L)	655	486

Water and Wastewater Reticulation:

Council's water reticulation crew attended to one (1) water main break 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:

All transfer stations are currently operational. New iWEIGH software has been implemented in the Kuranda and Mareeba Transfer Stations and new tablets with printers for the other transfer stations are at sites. These tablets are still having connectivity issues and the problem lies with the iWEIGH router which is being resolved currently.

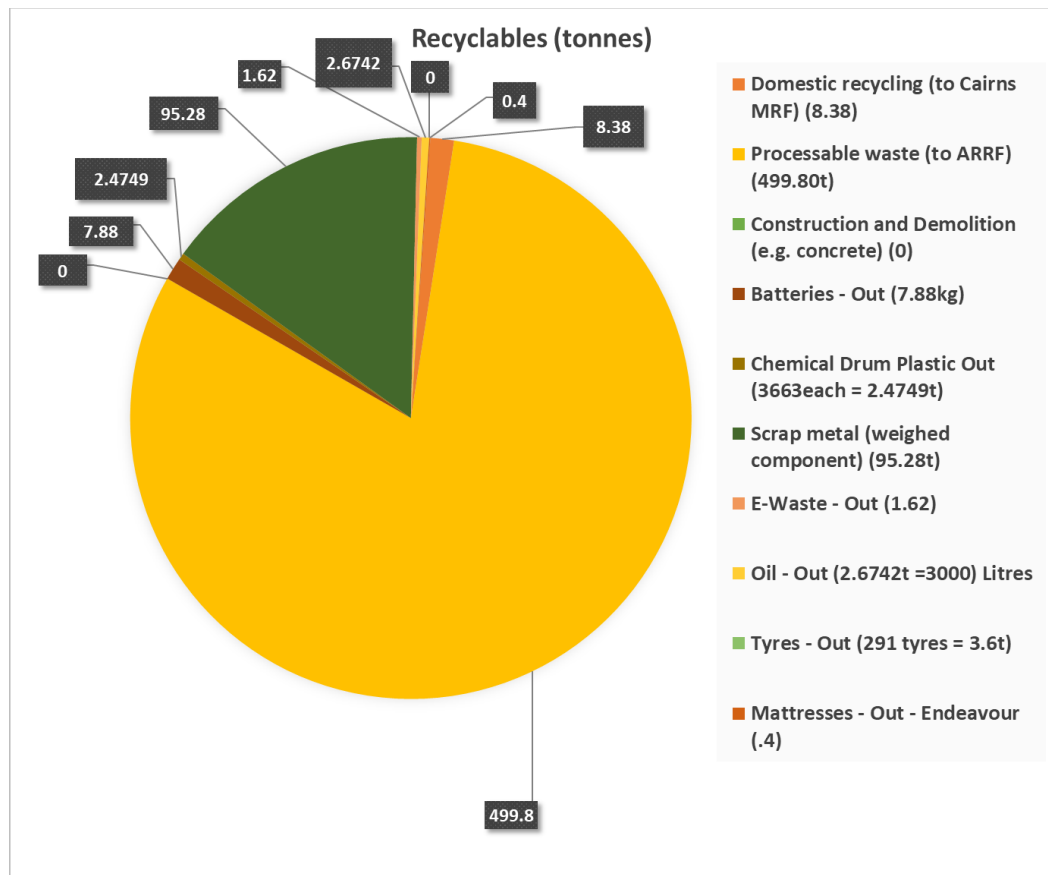
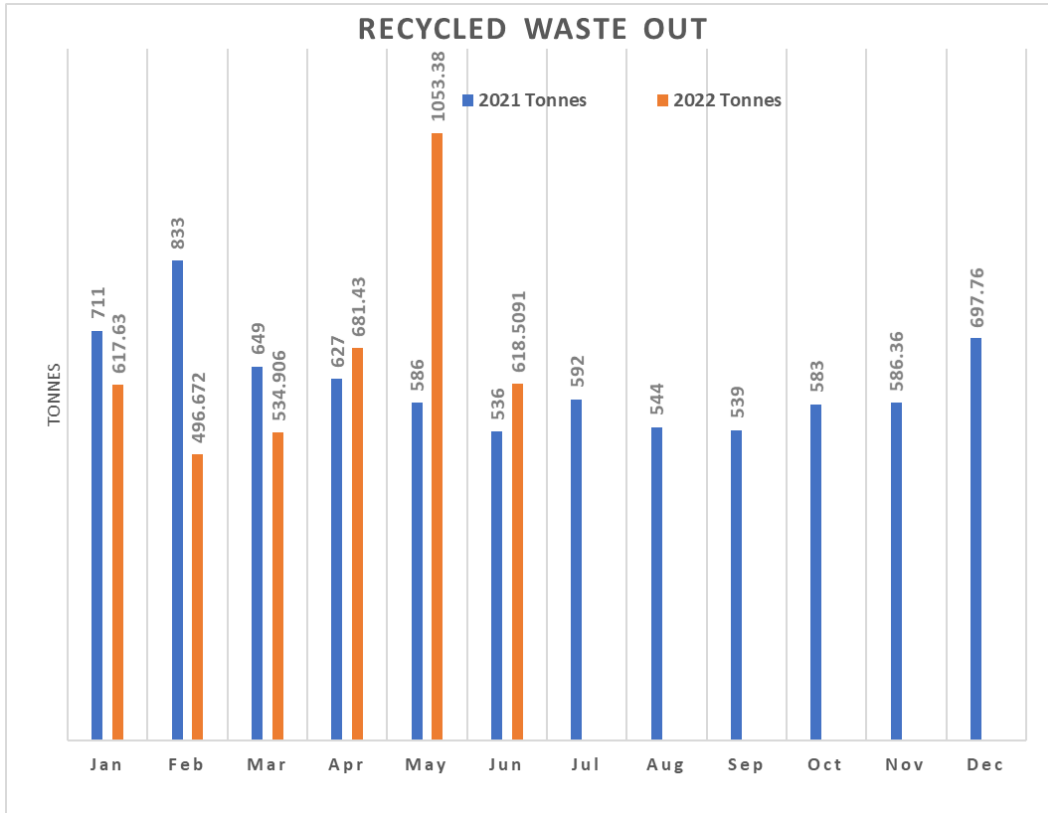
Mareeba Transfer Station is reviewing the Onsite Operational Purpose (OSOP) exemption with Department of Environmental and Science (DES) which is due to be renewed on 1 July 2022. This has now lapsed and can be reapplied for if Council moves forward with a new landfill cell.

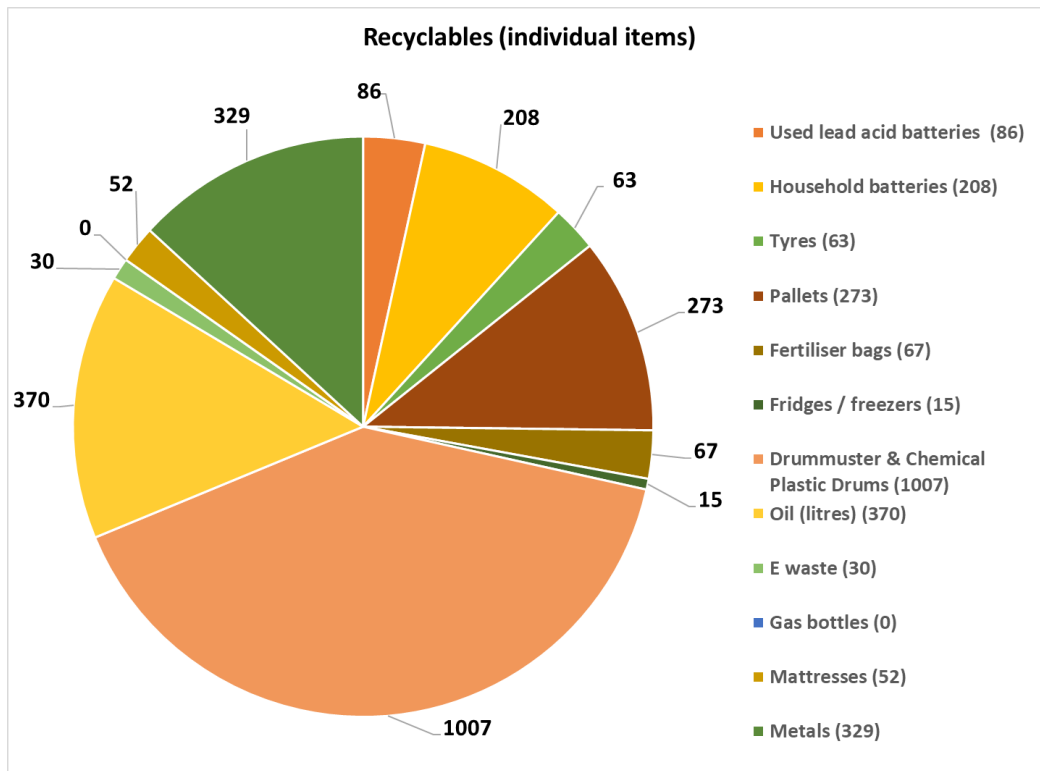
The Buy Back Shop is currently being stocked with re-used items and signage is under way with rules regarding entry, electrical items, and opening hours. The carpark has been bituminised and line marking of the carpark is to be undertaken in the first week of July, this includes a disability carpark space.

Wayfinder line marking for the Mareeba Transfer Station is underway with signage being made in readiness for the painted lines to guide customers to the drop off areas. Scheduled date is July/August.

Recycling

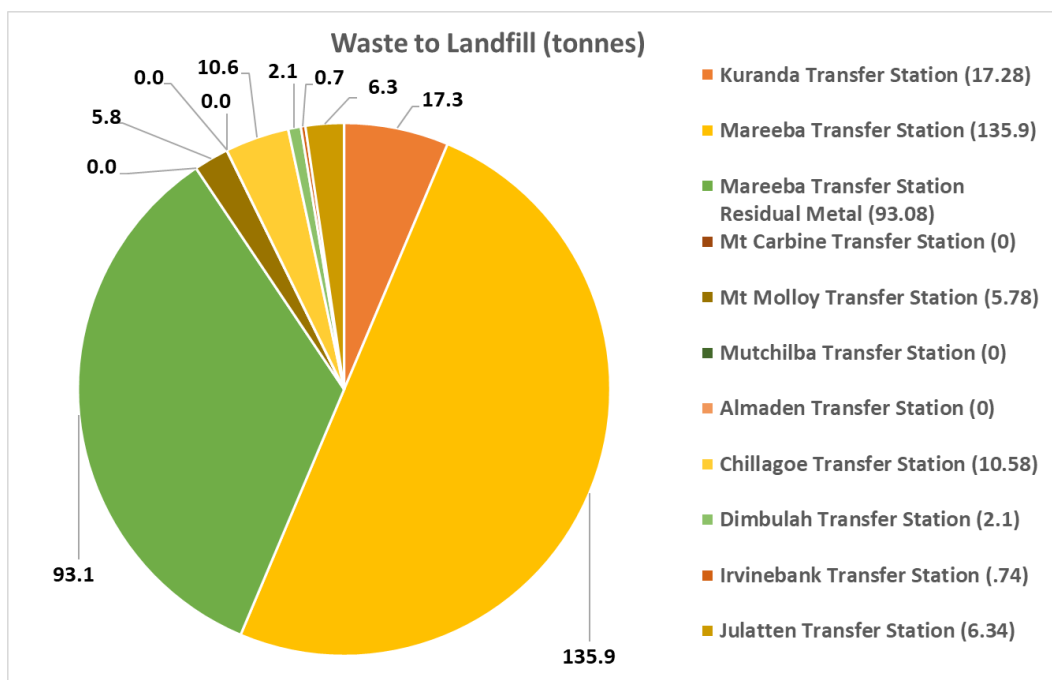
Waste material collected at each of the waste transfer stations are either deposited directly to the Springmount Waste Facility, recycled, or transported to the SUEZ Advanced Resource Recovery Facility (ARRF) in Cairns for processing. Metal has been processed and removed from Mareeba and Kuranda Transfer Stations and the final site to be processed is Julatten.





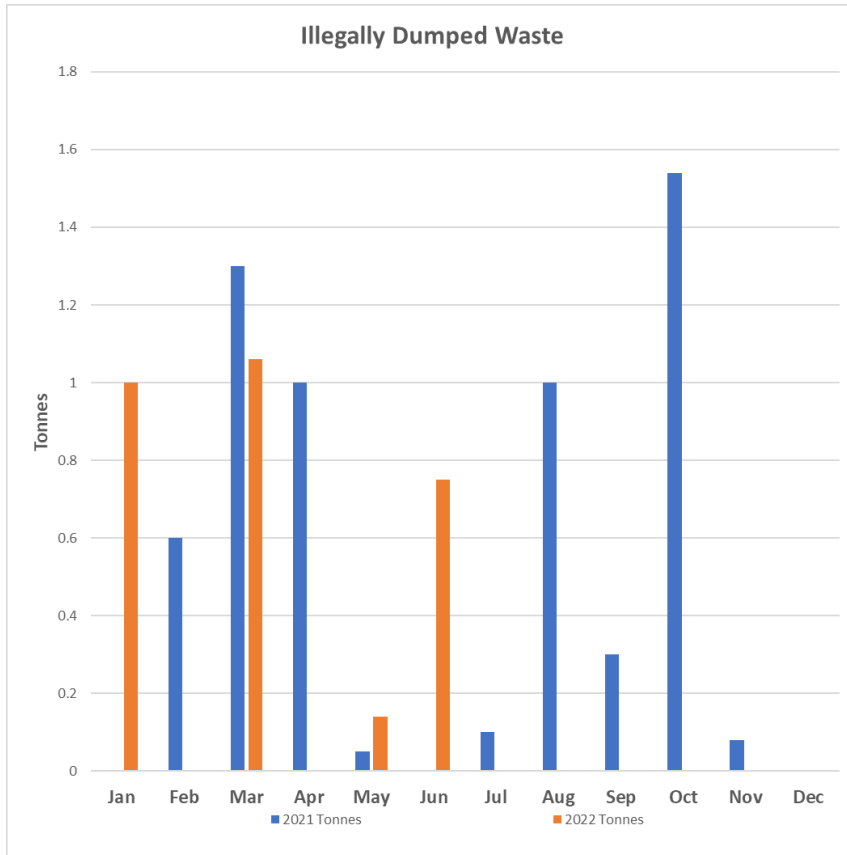
Waste to Transfer Stations

Transfer Station dry waste is transported off site to the Springmount Waste Facility. Note an excess of residual metal waste was removed from Mareeba site to landfill being 93.08 tonnes.



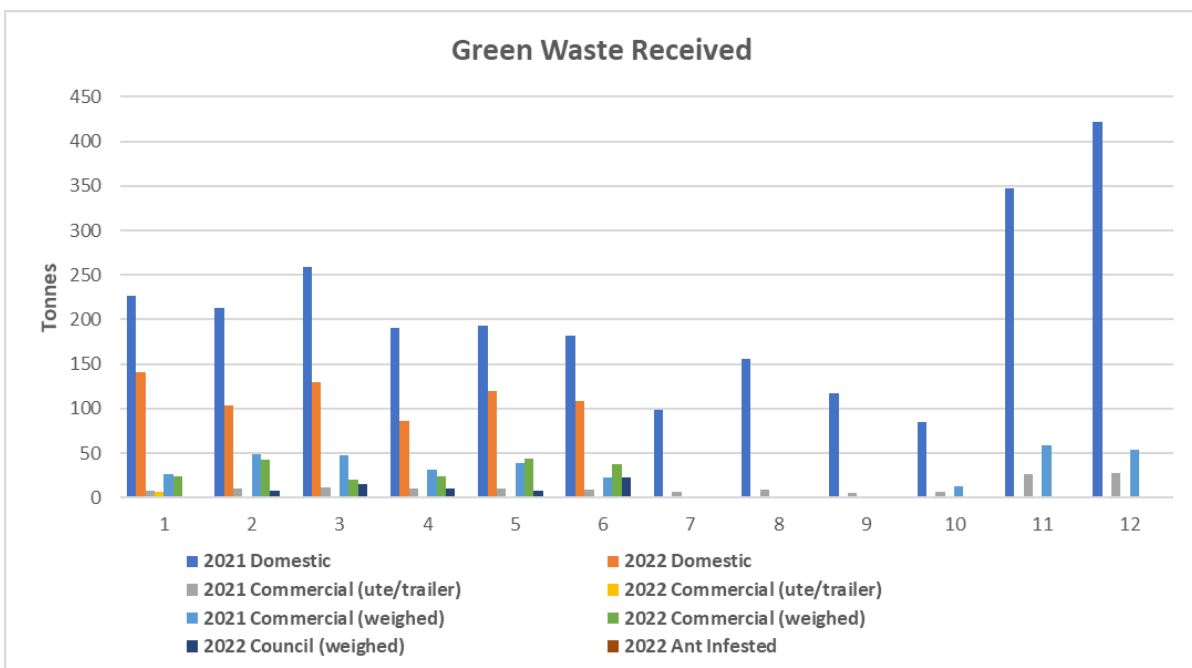
Illegally Dumped Waste

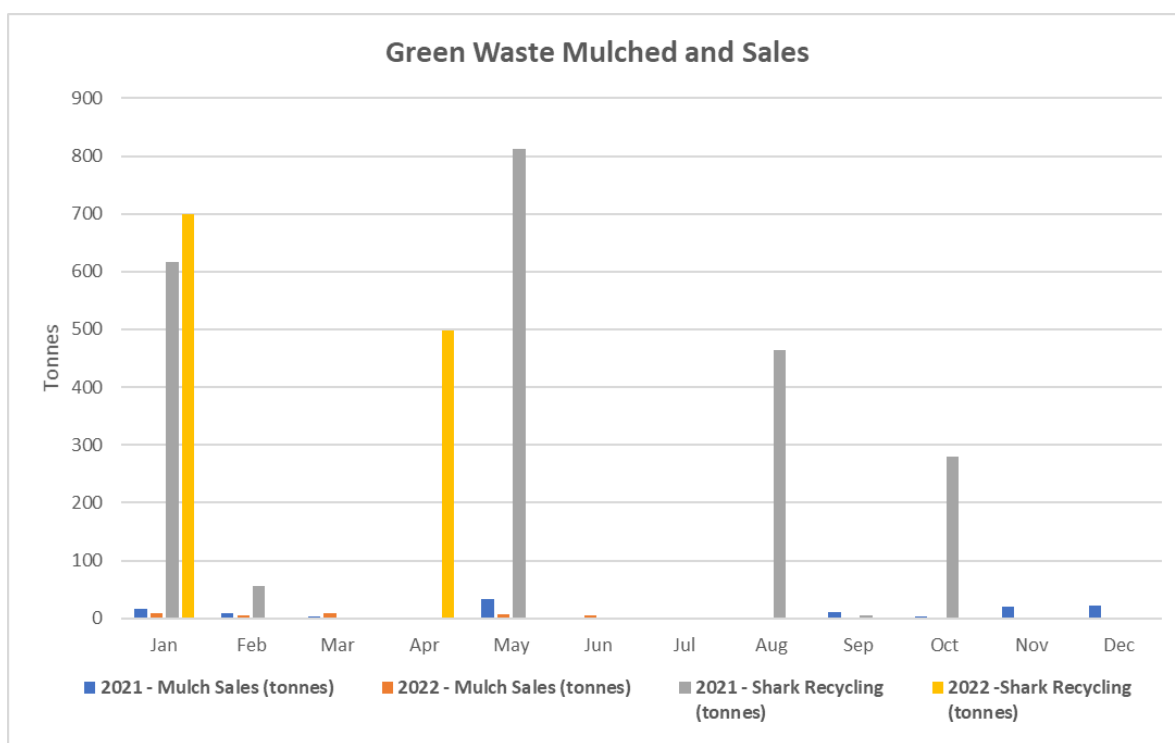
There were .75 tonnes of illegally dumped waste recorded through Mareeba Waste Transfer Station during the month of June.



Green Waste

Council received a total of 170 tonnes of green waste in the month of June. No green waste was mulched in June. It should be noted that the new data recording software includes both Mareeba and Kuranda as a total figure. Kuranda has commenced recording Electric Ant contaminated green waste being 1.4 tonnes for June.





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

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.

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.

9.18 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - JUNE 2022**Date Prepared:** 7 July 2022**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 June 2022.

RECOMMENDATION

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

BACKGROUND**Transport Infrastructure**Road Maintenance Activities

Council's Annual Maintenance Grading Program continued with unsealed roads graded in June as follows;

Road Name	Location
Hodzic Road	Biboohra
Collins Weir Road	Mutchilba
Stankovich Road	Mutchilba
Chisari Road	Mutchilba
Tabacum Road	Mutchilba
Coyle Road	Biboohra
Hume Creek Road	Biboohra
Shanty Creek Road	Biboohra

The unseasonal rains experienced in early July have meant some of the unsealed roads graded in June will require further maintenance work when resources and weather permits.

Other maintenance activities during the month of June include:

- Kuranda/Speewah/Koah
 - Bitumen patch infills on footpaths in the CBD area
 - Tree removal in urban and rural areas
 - Bitumen patching in Kuranda, Speewah and Koah areas
- Mt Molloy/Julatten
 - Unsealed road patching
 - Installation of new park furniture

- Tree trimming all areas
- Slashing and herbicide treatment all areas
- Flood marker installations
- Drain clearing
- Western
 - Slashing and herbicide treatment
 - Maintenance grading Ootann Road



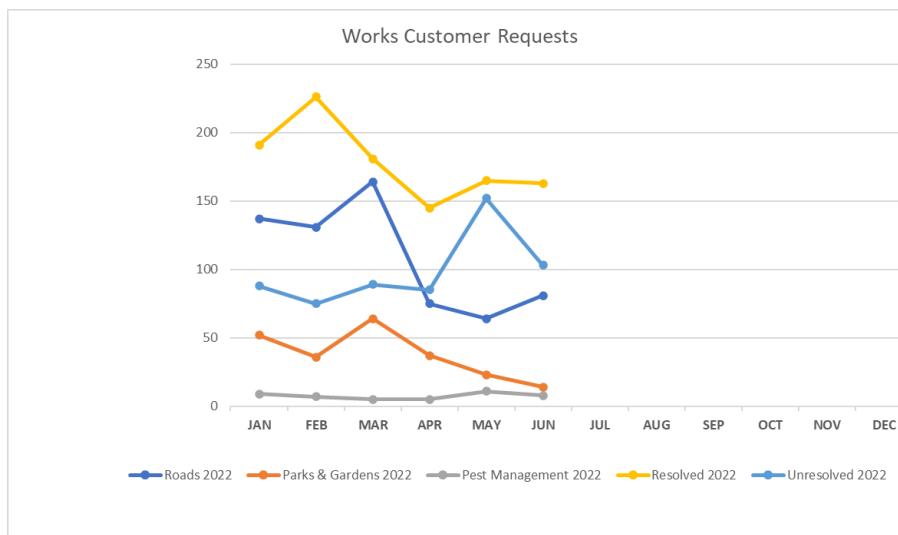
Wetherby Park, Mt Molloy

Customer Requests

During the month of June, the Works Group received 103 Customer Requests (CRs) with 163 resolved (resolved requests include those received prior to June 2022). The table below shows the number of requests lodged per Works section for the month.

Month	Roads	Parks and Gardens	Pest Management
June	81	14	8

At the time of reporting, the Works Group had 104 open requests.



Bridges and Major Culverts

In June, the bridge crew completed construction of the Davies Creek Road bridge prior to re-establishing at Davies Creek Bridge on Kanervo Road to complete the upgrade from timber deck to concrete deck. For the next three (3) to four (4) months minimal inspection and routine maintenance works will be carried out on Council bridges and major culverts (emergency excepted) whilst the upgrade takes place.

TMR Routine Maintenance Performance Contract (RMPC)

June was a very quiet month for RMPC works due to some unsuitable weather in the western areas of the shire and the end of the 2021/22 Financial Year.

Medium formation grading was commenced on the Burke Developmental Road (BDR) between Chillagoe and Nolan's Creek Bridge along with the start of the 2021 Disaster Recovery Funding Arrangements works for identified sections of the BDR.

Parks and Open Spaces

June produced more rain across Mareeba Shire so the mowing, slashing and brush cutting continue of the sporting fields, town entrances, cemeteries, airport, median islands and open spaces continued unabated.

Other points of note for the Parks and Gardens Section during June were:

- 11 burials - Mareeba Cemetery
- Two (2) burials - Kuranda Cemetery
- One (1) burial - Dimbulah Cemetery
- Installation of Byrnes Street banners in readiness for the Mareeba Rodeo
- Weeding, mulching, trimming and irrigation repairs to the western bank of the approaches to Granite Creek
- Sport ground maintenance Dimbulah

Land Protection

Parthenium Weed: Inspections carried out on 12 sites. All landholders are complying with their biosecurity obligation.

Current Parthenium sites

Biboohra Area

- Two (2) properties on Pine Close both only having the occasional plant found during inspections
- Two (2) properties on Bilwon Road, one (1) having the occasional plant found on inspections and the other has a low number of plants

Mareeba Area

- One (1) property on Studt Road that has the occasional plant found. There has been a significant reduction in plants over recent years with new owners of the property very proactive
- One (1) property on Ellery Road that was classed as having a medium infestation two (2) years ago has seen a large reduction in plants
- One (1) property on Coolamon Close where occasional plants are found

- Rankin Street - one (1) plant was detected on the footpath approximately one (1) year ago; no further plants have been found in the area
- One (1) property on Tinaroo Creek Road classed as having a medium infestation; this site was detected 18 months ago
- One (1) location on Shaban Close has a medium infestation with treatment being ongoing for a number of years. Recently the property owners have been more proactive and officers are seeing a large reductions in plants

Dimbulah Area

- One (1) property on Leadingham Creek Road where the occasional plant is found
- One (1) property on Bruce Weir Road was found to have a medium infestation six (6) months ago. The landowner is very proactive and officers and the number of plants is being to reduce.

Kuranda Area

- The Kuranda Transfer Station has a low infestation and is inspected and treated monthly



Kuranda Transfer Station

Siam Weed: Back Creek at Petford has been surveyed and the treatment program is now complete. Sandy Creek on the Mitchell River catchment in Mt Molloy has been surveyed and treatment is complete with a large reduction in plants found

Wild dogs: Baiting has been carried out on 10 properties on the Lynd and Walsh River catchments totalling 638,258Ha. A number of land holders were also given advice on trapping and shooting.

Feral Pigs: Two (2) customer request were received regarding feral pigs in the Kuranda and Speewah area with six (6) pigs trapped and destroyed in Speewah and one (1) pig trapped and destroyed in Kuranda

FINANCIAL AND RESOURCE IMPLICATIONS

Operating

All operational works are funded by the section specific 2021/22 maintenance budgets.

LINK TO CORPORATE PLAN

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IMPLEMENTATION/COMMUNICATION

Nil