

**9.4 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - JULY 2022**

**Date Prepared:** 4 August 2022

**Author:** Manager Projects

**Attachments:**

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

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**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 2022.

**RECOMMENDATION**

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

**BACKGROUND**

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

**RISK IMPLICATIONS****Financial**

The capital works program is tracking within budget.

**Infrastructure and Assets**

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

**FINANCIAL AND RESOURCE IMPLICATIONS****Capital**

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

**LINK TO CORPORATE PLAN**

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

**IMPLEMENTATION/COMMUNICATION**

Nil

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: Davies Creek Road Bridge Upgrade**

**Program: Bridges**

### Background

In February 2021 Mareeba Shire Council received a signed agreement from the federal government that a grant had been secured under the Bridge Renewal Sub Program to upgrade the existing bridge on Davies Creek Road approximately 3.1km from the intersection of the Kennedy Highway and Davies Creek Road. The grant is for \$142,000 to cover a maximum of 50% of the construction costs.

### 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 Holiday. An asphalt deck wearing surface was 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 - July 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. Unseasonal rain again interrupted the project allowing only four (4) days site work to be undertaken during July.

**Section A** - Ch 7010 to 7180, **Section B** - Ch 7630 to 8295 **Section C** - Ch 8385 to Ch 8760

- No construction work during July

**Section D** - Ch 9010 to Ch 9350

- Cut drains and batters to width and depth
- Remove and reinstate 375Ø RCP and headwall.
- Remove tree stumps



*Wet weather prevented construction work for the majority of July*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: Northern Truck Stop - Bollard Installation**

**Program: DTMR 3<sup>rd</sup> Party Works**

### Background

In June, the Department of Transport and Main Roads (DTMR) accepted Mareeba Shire Council's quotation to install bollards at the existing sealed truck stop on the Mulligan Highway just north of the McGrath Road intersection.

### Scope of Works

The scope of works required the installation of 340 reconstituted plastic bollards along the existing sealed edge of the truck stop in an effort to reduce dust generated by vehicles driving and parking on unsealed areas of the truck stop.

### Progress Update

Works commenced 29 June, 2022 and were completed on 18 July, 2022.



*Northern entrance*

*Truck stop*



*Southern entrance*

*Truck stop at night*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: Kanervo Road - Davies Creek Bridge Replacement**

**Program: Bridges**

### Background

In August 2019 Mareeba Shire Council received a signed agreement from the federal government that a grant had been secured under the Bridge Renewal Sub Program to upgrade the existing bridge over Davies Creek on Kanervo Road. The grant is for \$350,000 to cover a maximum of 50% of the construction costs.

### Scope of Works

The scope of works included replacing the existing timber girders and deck of the bridge over Davies Creek on Kanervo Road with concrete precast deck units to increase the load limit and provide accessibility for heavy vehicles

### Progress Update

MSC's Bridge Crew re-established at Davies Creek Bridge on Kanervo Road in early July to continue construction of the bridge having completed Davies Creek Road Bridge. The existing timber bridge deck has been demolished and the installation of pier extension reinforcing is complete and preparation for abutment renewal works has commenced.



*Demolishing existing timber bridge deck*



*Completed pier extension steel and form work*



*Removal of existing relieving slabs*



*Preparations for abutment renewal*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: 2021 - 2022 Gravel Re-Sheet**

**Program: Gravel Re-Sheet**

### Background

Historically \$600,000 is provided each year in the Capital Works Budget for re-sheeting works to be undertaken where required at various locations throughout the shire. The works are funded by depreciation and are carried out generally in conjunction with road maintenance unsealed road grading activities to reduce the cost of mobilisation of plant or as short term fill-in works between more high level projects. Unspent budget funds are rolled over into the next financial year.

### Progress Update

During July, the Emerald Falls Road works were completed. Sections of Kanervo Road, Bolton Road, Vallely Road and McGrath Road were gravel re-sheeted. In the coming months Ellis Road in Julatten, Doyle Street Unsealed Car Park are programmed for re-sheeting pending weather and resources.



*Kanervo Road*



*Emerald Falls Road*



*Vallely Road*



*McGrath Road*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: AC Pipe Renewal Water Main Upgrade Project – Rice Street, Chewko Road and Hales Street**

**Program: Water**

### Background

An allocation in the Capital Works Program has been provided in the 2022-2023 capital works program to replace the failed existing asbestos cement (AC) water mains. Works during July were concentrated along Rice Street, Chewko Road and onto Hales Street Mareeba to maintain ongoing water supply for properties. This section of water main was identified for replacement following the numerous main breaks occurring in the past few years and in conjunction with Council's water strategy.

### Scope of Works

The scope of works included replacement of the existing water main with 150mm PVC Supermain on Chewko Road and 100mm PVC Supermain on Hales Street and 100mm PVC Supermain on Rice Street, in addition to new service connections, valving and hydrants are being installed.

### Progress Update

Works commenced early July.



*Rice Street installation of the new 100mm diameter PVC Supermain water main*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



*Chewko Rd installation of the new 150mm diameter PVC Supermain water main*



*Chewko Rd onto Hales St installation of the new 150mm diameter PVC Supermain water main*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: Mareeba and Kuranda Sewerage Pump Station Upgrades Project**

**Program: Wastewater**

### Background

An allocation in the Capital Works Program has been provided in the 2021-2022 capital works program for the upgrading and refurbishment of Minor Sewerage Pump Stations Mareeba and Kuranda.

### Scope of Works

The Works include, but are not necessarily limited to, the supply of all materials, plant, and labour of whatever kind necessary for the following:

- Setting out of Works, establishment and disestablishment.
- Documentation, project management and compliance with all regulations.
- Erection of temporary works as required.
- Provision, installation and commissioning of temporary above ground bypass system. and any other works necessary to achieve bypassing of the pressure main.
- Supply, construction, and installation of new emergency bypass connection point.
- Construct new thrust blocks as nominated in the drawings.
- Concrete core drill penetration and fill through well wall, for sewer extension.

### Progress Update

The contractor has completed all three (3) sites, Thooree Street, Arara Street and Palm Close Sewerage Pump Stations.



**Thooree Street – Kuranda**

- Project completed



**Palm Close, Mareeba**

- Project completed

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: Sewerage Pump Station Standby Generator Project**

**Program: Wastewater**

### Background

An allocation in the Capital Works Program has been provided in the 2021-2022 capital works program for the supply and installation of standby generators at Councils sewerage pumping stations. It should be noted due to supply chain delivery issues this project has been carried over into the 2022-2023 financial year.

### Scope of Works

The Works include, but are not necessarily limited to, the supply of new generators, connection to the electrical switchboards and telemetry system.

- Setting out of works, establishment, and disestablishment.
- Provision, installation, and commissioning of new generators and
- Electrical and telemetry connection to allow for emergency backup power supply.
- Concrete plinths to mount generators.

### Progress Update

The concrete plinths have been established at the Ceola Drive and Yarrabee Sewerage Pump Stations.



**Ceola Drive and Yarrabee SPS**

*Establishment of concrete plinths*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



**Project Name: Granite Creek Sewerage Pump Station Upgrade Project**

**Program: Wastewater**

### **Background**

An allocation in the Capital Works Program has been provided in the 2021-2022 capital works program for the upgrading and refurbishment of the Granite Creek Sewerage Pump Station.

### **Scope of Works**

The Works include, but are not necessarily limited to, the supply of all materials, plant, and labour of whatever kind necessary for the following:

- Setting out of Works, establishment and disestablishment.
- Documentation, project management and compliance with all regulations.
- Erection of temporary works as required.
- Provision, installation and commissioning of temporary above ground bypass system and any other works necessary to achieve bypassing of the pressure main. Includes hot tap tee of 2No. existing DN375 and DN300 rising mains.
- Removal of existing pump station building inclusive of walls, roof, switchboard, ventilation, odour control and all ancillary items.
- Removal of mains distribution board.
- Removal of existing pump station roof slab.
- Removal of incoming sewer flow splitter box and divider wall.
- Complete removal of all internal pipework, access items, ventilation, overflow screens, ancillaries, and redundant fixings in wet well.
- Removal of internal pumps, concrete plinths, pipework and supports, access platforms, ventilation and fixtures within dry well.
- Supply and installation of new DN300 and DN375 discharge pipework's c/w pipe supports and valve arrangement.
- Supply and installation of new DN300 and DN375 rising main section inclusive of valve arrangement and connection into existing.
- Supply, construction, and installation of new emergency bypass connection point.
- Construct new thrust blocks as nominated in the drawings.
- Concrete core drill penetration and fill through dry well wall, for sewer extension.
- Supply and installation of new DN500 DI/CL sewer extending to new dry well, including buttress thickening and flow splitter with stainless-steel dropper arrangement.
- Construction of new pump station top slab.
- Supply and installation of new duplex pump arrangement c//w guide rails and pump chains.

## Infrastructure Services Capital Works Report Project Highlights - July 2022



- Supply and installation of new main switchboard including power and communication conduits.
- Supply and installation of new main switchboard shade structure.

### Progress Update

Works to remediate the internal divider wall will commence mid-August with a revised construction program to be submitted to Council.



*Factory assembly of the new electrical switchboard for Granite Creek SPS*

## Infrastructure Services Capital Works Report Project Highlights - July 2022



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

**Program: Water**

### **Background**

An allocation in the Capital Works Program has been provided in the 2021-2022 capital works program to replace the failed existing asbestos cement (AC) water mains. A pre-start meeting was held with the contractor Terranovus Civil Pty Ltd and actual works commenced 28 January and are concentrated along Starcke Street. This section of water main was identified for replacement following the numerous main breaks occurring in the past few years and in conjunction with Council's water strategy.

### **Scope of Works**

The scope of works included replacement of the existing water main with 100mm PVC Supermain, in addition to new service connections, valving and hydrants. Works program has the contractor installing new mains along Starcke Street and then onto Hampe Street. Once these sections are completed the contractor will then progress to Moody Street where 300mm PVC Supermain will be instead.

### **Progress Update**

The contractor is now in the process of finalising the project with the below listed works programmed for August.

- Road crossing asphalt reinstatement - Starke & Rice Street intersection.
- Road crossing asphalt reinstatement - Starke & Finn Street intersection.
- Road crossing reinstatement along Moody Street.
- Pipeline 5 - Connection to existing.
- Pipeline 6 – Connection to existing DN150 watermain.
- Pipeline 2 - Pipeline 50mm irrigation connection and road reinstatement along Moody Street.
- Test, disinfect and commission new watermains and complete.
- Install new water meter provided by Council and complete Baiada (Steggles) connection (following commissioning of new watermain).
- House connection and changeover at CH367 Starke Street (following commissioning of new watermain).
- House connection changeovers (following commissioning of new watermain).
- Decommission, cap and grout fill old watermain.
- Hydrant markers, road markings and sluice valve indicators / post installation, etc.
- Walk through and defects close out.
- Site clean-up and disestablishment .

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



*Installations of the new pipe work to accommodate new flow meter to Baiada (Steggles) on  
Moody Street*

Infrastructure Services Capital Works Summary Report July 2022

Project Description	Project Stage	Progress Comment
<b>Program: 01 Rural and Urban Roads Reseal Program (Renewal)</b>		
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.
22/23 Reseal & Asphalt Program	Not Commenced	Report to Ordinary Council Meeting in August to approve tender acceptance.
<b>Program: 02 Gravel Resheet</b>		
2021/22 Gravel Resheet Program	Construction	Emerald Falls Road complete. Valley Road complete. Bolton Road underway. Doyle Street car park will be re-sheeted in August.
<b>Program: 03 Urban Streets</b>		
R2R Reynolds St Mareeba Replace Kerb and Channel	Construction	Construction & overlay have been completed. Line marking to be installed as part of MSC Re-seal Line Marking Program.
TIDS Rankin/Walsh St Roundabout	Design	Project in design phase.
<b>Program: 04 Rural Roads</b>		
TIDS Euluma Creek Road, Julatten Ch 7.01-9.325 Rehabilitate & Widen 3 sections within chainage	Construction	Section D culverts installed, Section B drainage, headwalls & rock pitching completed.
TIDS Euluma Ck Rd Ch 9.350-10.130 Rehab	Not Commenced	Design & procurement completed. Project will commence October 2022.
Borzi Rd Mareeba Widen & Seal Ch 0.03-0.67	Not Commenced	Project pushed out to start in late August 2022.
TIDS Ootann Rd Section 1&2 Widen & Seal	Design	Design underway.
TIDS Springmount Rd Widen & Seal	Design	Design underway.
<b>Program: 05 Bridges</b>		
BRP4 Kanervo Rd Davies Cr Br Rplc Bridge	Construction	Site works recommenced in July. Bridge deck removed, centre piers & eastern abutment buildup commenced.
BRP5 Davies Ck Road Bridge Replacement	Construction	Project complete July 2022.
Granite Ck Mareeba Replace Footbridge Deck	Not Commenced	Designs received, works will be programmed for after the completion of Kanervo Road Bridge Upgrade.
Palm Cl Mareeba Replace Footbridge Boards	Not Commenced	Designs received, works will be programmed for after the completion of Kanervo Road Bridge.
Bicentennial Lakes F/bridge Safety Upgrade	Not Commenced	Designs received, works will be programmed for after the completion of Kanervo Road Bridge Upgrade.
<b>Program: 06 Drainage</b>		
21/22 Minor Culvert & C/ways Renewal	Construction	Leafgold Weir Road headwall replaced. Leafgold Weir Road culvert installation commenced.
Amaroo Mareeba Drainage Upgrade Stage 2	Construction	Project commenced.
<b>Program: 08 Parking</b>		
Borzi Park Mareeba Carparking Masterplan	Planning	Concept layouts developed, consideration by EMT June 2022.
<b>Program: 09 Footpaths</b>		
22/23 Shire Wide Footpath Renewal Prog	Construction	Projects will be identified in the Network Walking Plan. Due to be released in August.
<b>Program: 10 Parks and Gardens</b>		
21/22 Park Entrance Sign Renewal	Construction	10 Acre Park sign expected to arrive at depot store mid August.
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.
Byrnes Street Median Traffic Islands and Landscaping	Construction	Project complete July 2022.
Anzac Memorial Pk Landscaping & Safety	Planning	RFQ submissions received via VendorPanel. One (1) submission received. Council to award to local contractor Mindil Pty Ltd.
<b>Program: 11 Water</b>		

Infrastructure Services Capital Works Summary Report July 2022

Project Description	Project Stage	Progress Comment
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	Works are progressing with contractor working on Moody Street section. Once the main scope of works is completed on Moody St then the tie ins can commence and the new mains will become live, with the overall works expected to be completed late August.
Mareeba WTP Study for Upgrade of WW System	Construction	Project works underway and will hopefully be completed late August or early September
MWTP 5ML Reservoir Roof Replacement	Construction	Dawsons engineering unable to complete their works by June 30 due to operational requirements on site and relocation of pipe from filter to reservoir will be done by second week July.
BBRF Unconfirmed MWTP Filtration Upgrade	Design	Project design works continuing and actual project waiting on funding approval from grant application process.
MBA Clear Water Booster Pump Station	Design	Project design underway, hoping to go to tender late 2022 or early 2023
<b>Program: 12 Wastewater</b>		
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 are completed with the 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 still no certainty on a delivery time 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.
2021/22 Mareeba Wastewater Treatment Plant Component Renewals	Construction	Works essentially completed and once commitments are cleared project can be closed out.
Granite Creek, Mareeba Sewerage Pump Station Refurbishment	Construction	Project has been delayed due to concrete dilapidation of centre divider wall, request going to Council for further funding to see the project through to completion stage.
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 finalized.
Minor Sewerage Pump Stations H2S protection and refurbishment.	Construction	The two pump stations in Kuranda are now completed and works are underway at Palm Close Mareeba. Project is expected to be completed late July.
<b>Program: 13 Waste</b>		
WT-03 Kuranda Waste Transfer Station Weighbridge & Gatehouse	Completed	In negotiations with weighbridge about final invoicing, at this stage no in agreeance with supplier and trying to resolve as soon as possible. Supplier taking time to respond.
WT-07 Mareeba Waste Facility - Buy Back Shop Construction	Completed	If ident Survey is completed then project can be closed out.
Mareeba Waste Facility - Design for New Landfill Cells	Design	Design work underway, we were hoping to have it completed by end of June but it looks more likely to be late July or August.
<b>Program: 15 Fleet</b>		
GPS Vehicle Management System	Planning	Business Case being developed.
Replace Unit 5432 Sewerage Jet Rodder trailer with a hydro vac truck	Procurement	Monitoring auction and will procure when a suitable unit is available

Infrastructure Services Capital Works Summary Report July 2022

Project Description	Project Stage	Progress Comment
Fleet Replace #676 Civil Works Truck	Completed	Project Completed May 2022
Fleet Renewal #509 Backhoe	Completed	New Machine will be delivered 2 August 2022
Fleet Replace #4053 Husqvarna Zero Turn	Completed	Purchase Order raised 26 October 2021, anticipated delivery has been pushed back due to supply September 2022
Fleet Refurb Truck Mounted Water Tank	Carry Over	Business Case being developed.
Fleet Replace #621 Single Cab Tipper	Procurement	Purchase order raised July 2022. Wait time for delivery 8-10 Months.
Fleet Replace #675 Crew Cab Tipper	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #623 Crew Cab Tipper	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #5006 Tractor	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #6253 Road Broom	Procurement	Tender process.
Fleet Replace #1304 Landcruiser	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #1305 Landcruiser	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #1323 Triton	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #1337 Triton	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #2052 Triton	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #1315 Landcruiser	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
Fleet Replace #1328 Triton Trayback	Procurement	Purchase Order Raised and sent to supplier July 2022. Expected Delivery 8-10 Months.
<b>Program: 16 Depots and Council Offices</b>		
Rankin St MSC Admin Office Refurb	Construction	External works 95% complete.
Kowa St MSC Depot Emergency Generator	Planning	IT required to provide advice in regards the UPS system. PM awaiting further instruction.
<b>Program: 17 Community Buildings</b>		
Kitchen replacement program	Completed	New kitchen installed at 12/27 Lawson Street.
Koah Tennis Court Replace Timber Poles	Construction	Pole delivery delayed. LED Light fixtures on hand. Working with supplier and electrician in regards installation. Installation expected late August.
Aquatic Facility Upgrades & Splash Park	Construction	Contract awarded to Kirratech Pty Ltd.
Mareeba PCYC Shire Hall Part Roof Replacement	Construction	Work commenced late June. Northern roof and awning complete. Unseasonal wet weather in late June- early July delayed works. Works ongoing.
Mareeba Riverside Car Park Amenities Replace	Planning	Awaiting final Engineered drawings from contractor. Supply delay for temporary ablution block, contractor to advise.
22/23 MBA Roof Replacement Program	Procurement	Scoping commenced. Procurement to be finalized by 23/08/2022.
22/23 Mareeba Bitumen Driveway Renewals	Procurement	Scoping commenced. Procurement to be finalized by 23/08/2022.
Mareeba Timber Fascia Replacement	Procurement	Scoping commenced. Procurement to be finalized by 23/08/2022.
22/23 Dimbulah Bathroom Renewal Program	Procurement	Scoping Commenced. Procurement to be finalized by 23/08/2022.
FA-02 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.
FA-06 2021/22 Shire-wide Ablution Refurbishment Program	Construction	Revised quotes called for Dimbulah Tennis Court Toilets, works to be completed by end of June 2022.
Mareeba Women's Restroom Refurb	Planning	Options for future use under review.

Infrastructure Services Capital Works Summary Report July 2022

Project Description	Project Stage	Progress Comment
FA-03 Dimbulah Caravan Park, Dimbulah. Shower septic modifications.	Planning	Scoping commenced. Soil test and design works commenced.
<b>Program: 18 Non-Infrastructure Items</b>		
Kuranda New Cemetery	Planning	Development Application submitted.
DRFA Flood Warning Infrastructure Network MbaSC.0018.1819E.FWI - Rain Gauge (7 locations)	Completed	The remaining Mt Windsor National Park gauge installed. Project completed June 2022.
<b>Program: 20 KIAC</b>		
KIAC - New Wayfinding Signage	Planning	Signage dispatched from Lismore 29/07/2022. Arrive Mareeba Monday 1st August 2022. IMS advised installation to commence late September following completion of the Kanervo Road Bridge project and September school holidays tourist influx. PM to liaise with Hahns Pehl in regards the removal of the existing artistic signage. Consideration has been given to potentially repurposing the signage.

**9.8 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - JUNE 2022**

**Date Prepared:** 5 August 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 July 2022.

**RECOMMENDATION**

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

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

Investigation activities undertaken in July included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	53	19
Drainage Investigations	8	3
NHVR Permit Applications	0	14
Aerodrome Investigations	0	2
Traffic Count Surveys	0	8
Parks Investigations	7	2
Miscellaneous <i>e.g.</i> Planning; Local Laws	17	24
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	13
External	130

Asset Inspections:

Work was primarily focused towards improving data for the water, sewerage, roads, underground stormwater and kerbs asset data sets.

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:

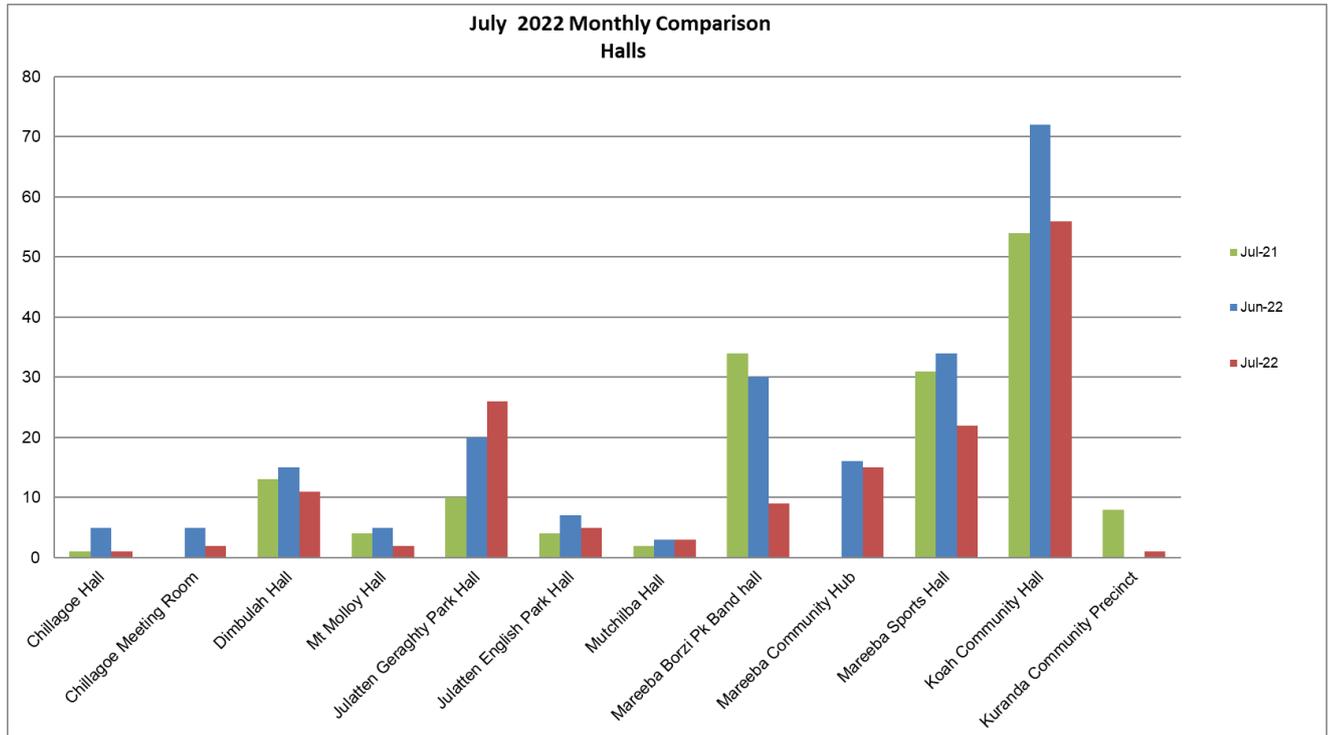
Program	Status
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Council have commenced assessment of damage, emergency repairs and immediate restoration of impacted roads throughout the Shire. A consultant has 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 closed out the 2019 Betterment project.

**Facilities**

Community Halls:

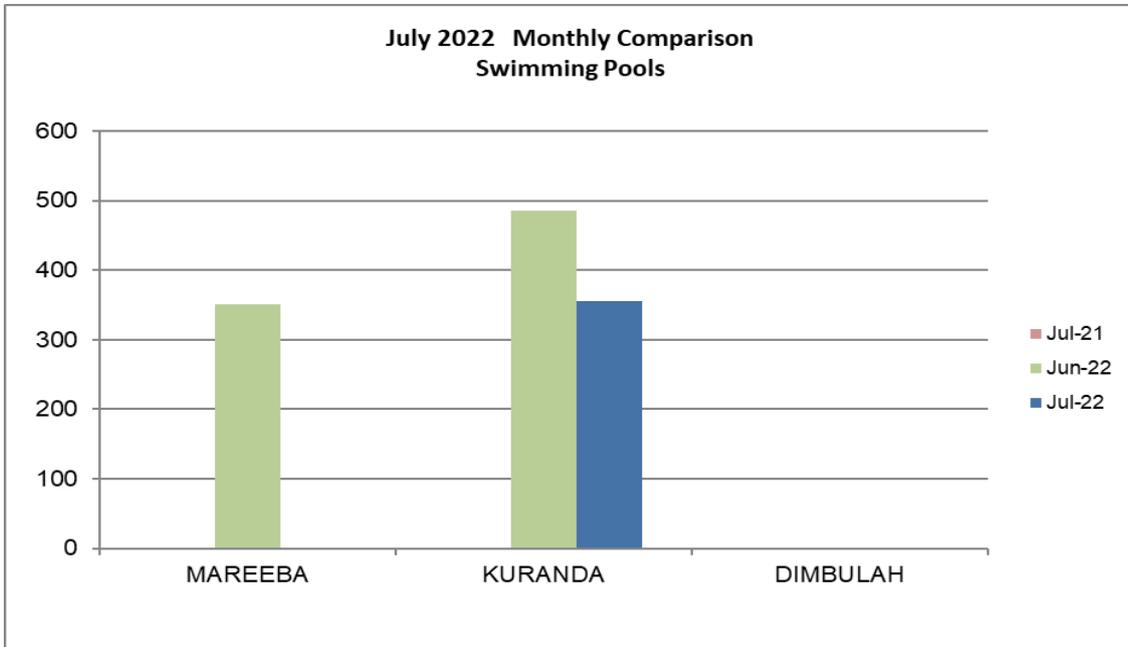
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing.

July hall hires have slightly decreased against the previous month. The largest decrease in utilisation is for the Mareeba Band Hall with QLD Health ending the Covid testing clinic.



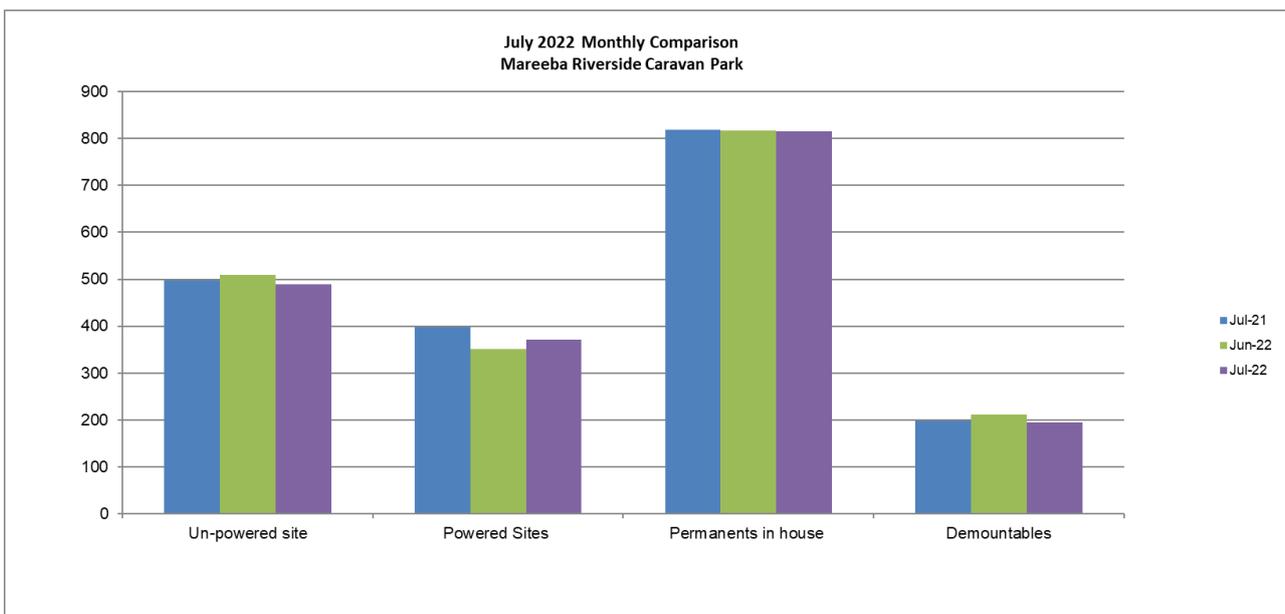
Aquatic Centres

Mareeba and Dimbulah Aquatic Centres are closed during July as part of the annual scheduled winter shutdown, during which any significant maintenance which may be required, is completed. The Kuranda pool has remained open this year, with heaters in operation to meet user expectations, however patronage numbers remained subdued.

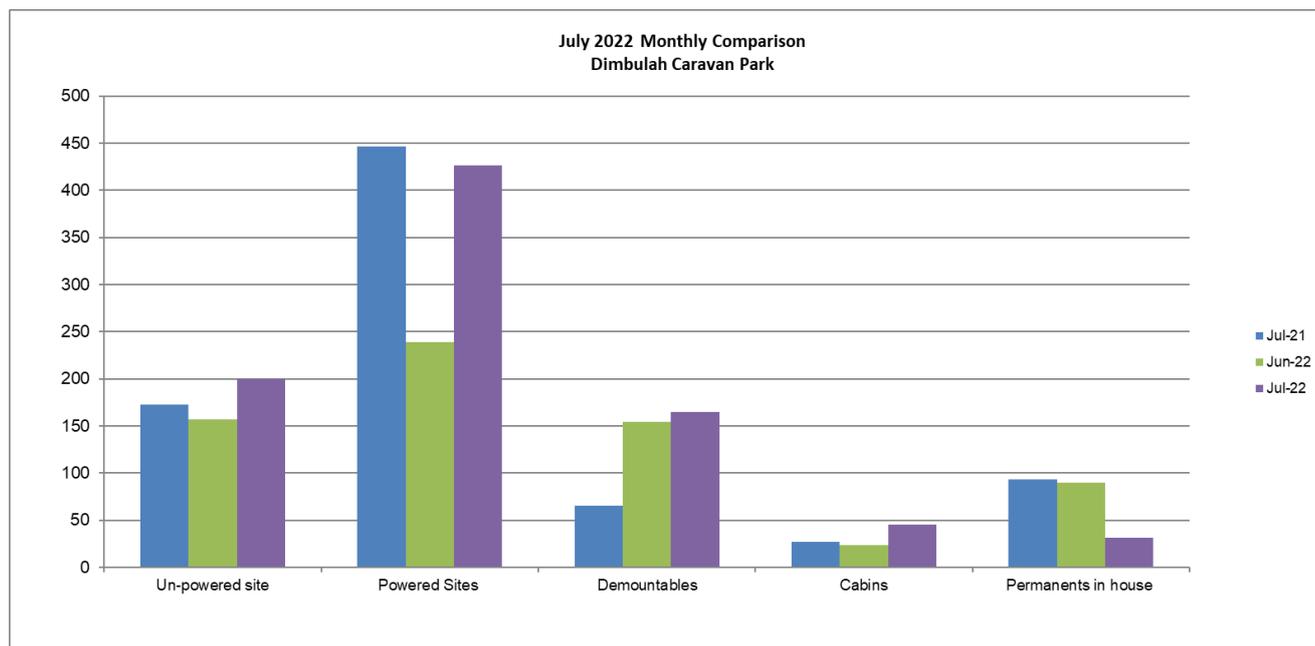


Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers have remained consistent with last month. The grey nomads have increased the site bookings and the back packers returning due to available farm work.



Dimbulah Caravan Park utilisation has increased for the month of July. A new caretaker has been engaged which has brought some new ideas and activities to the park which have been encouraging.



**Vandalism & Graffiti:**

During July, 9 reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

Financial Year	Actuals	Comments – July 2022
2015/16	\$ 2,134.00	<ul style="list-style-type: none"> <li>• Mareeba Arnold Park Toilets and Rotunda - Graffiti x 3</li> <li>• Mareeba CWA Toilets - Graffiti and Vandalism x 3</li> <li>• Mareeba Rotary park - Vandalism x 1</li> <li>• Mareeba Sports Hall - Graffiti x 1</li> <li>• Mareeba Theatre Hall - Vandalism x 1</li> </ul>
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	\$1,153.00	

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

**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.

**9.10 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - JULY 2022**

**Date Prepared:** 2 August 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 July 2022.

**RECOMMENDATION**

That Council receives the Infrastructure Services, Water and Waste Operations Report for July 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)	6,353	761	293	261	91
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,449	775	1,866	960	805

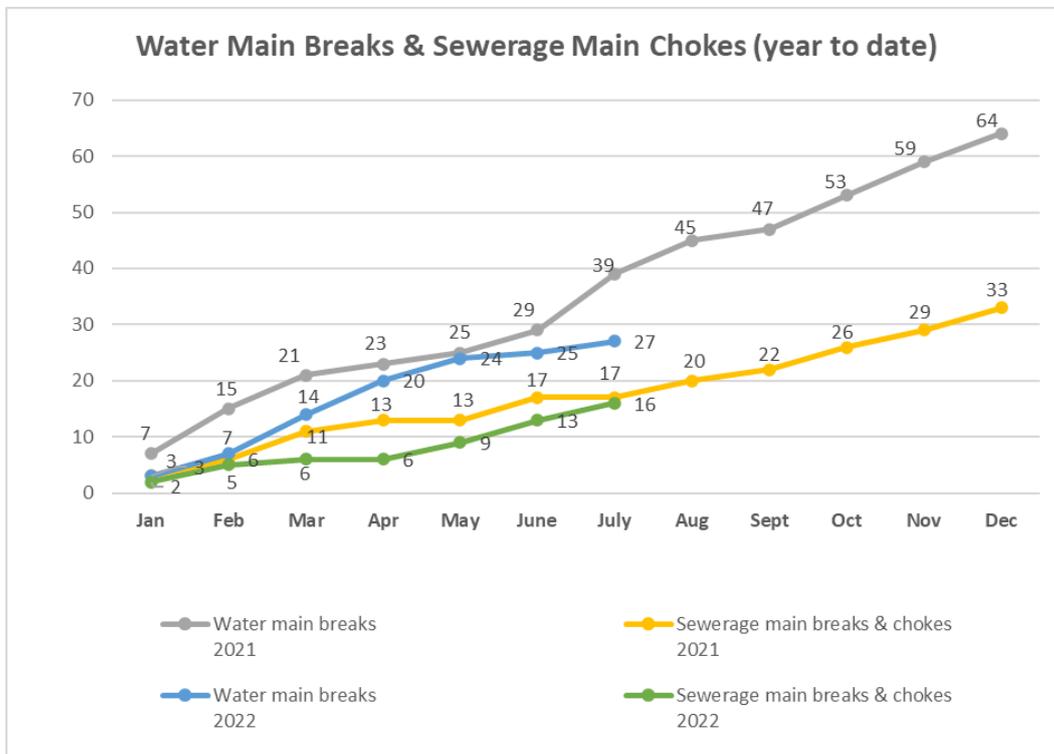
\* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2,649	190
Number of Connections	3,424	346
Average daily inflow per connection (L)	774	549

**Water and Wastewater Reticulation:**

Council's water reticulation crew attended to two (2) water main breaks and three (3) sewer main breaks/chokes this month, and average response times were within targets set out in Council's customer service standard for water services.

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



**Waste Operations:**

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 currently being trialled at deeming sites and will go live by next month.

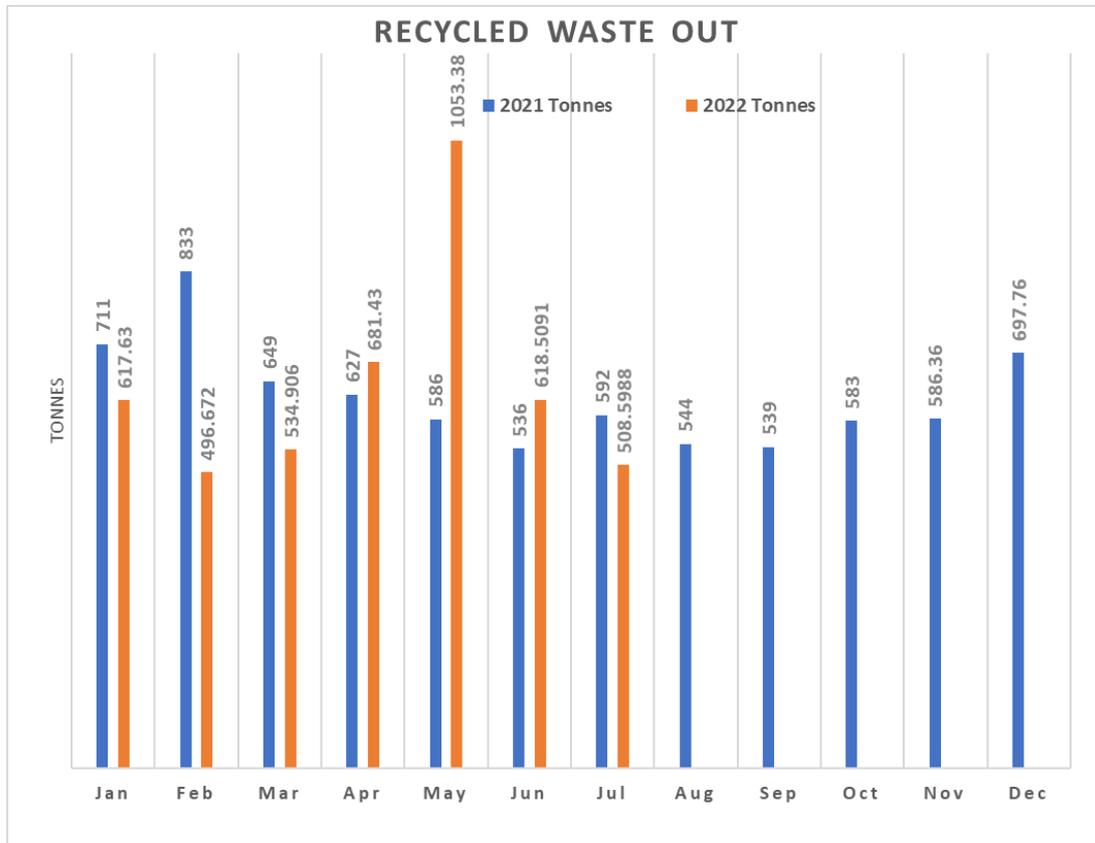
The Buy Back Shop is currently being stocked with re-used items and signage is completed with rules regarding entry, electrical items, and opening hours. The carpark has been bituminised and line marking of the carpark has been finalised, this includes a disability carpark space. Opening day is to be decided to ensure council representatives are present.

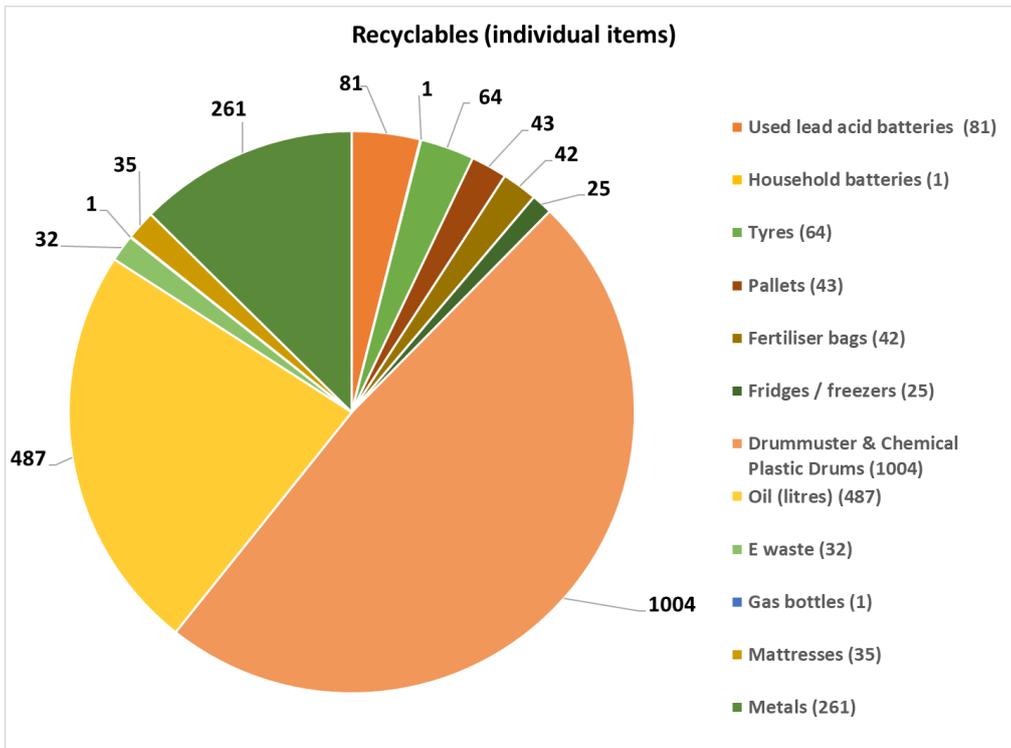
Wayfinder line marking for the Mareeba transfer station is underway with signage completed and to be installed in readiness for the painted lines to guide customers to the drop off areas. Scheduled date is mid-August.

Continuous break-ins have occurred at Mareeba and Kuranda transfer stations. Mareeba transfer station had the sheds broken into with tooling, equipment, and fencing requiring repairs or replacement.

Recycling

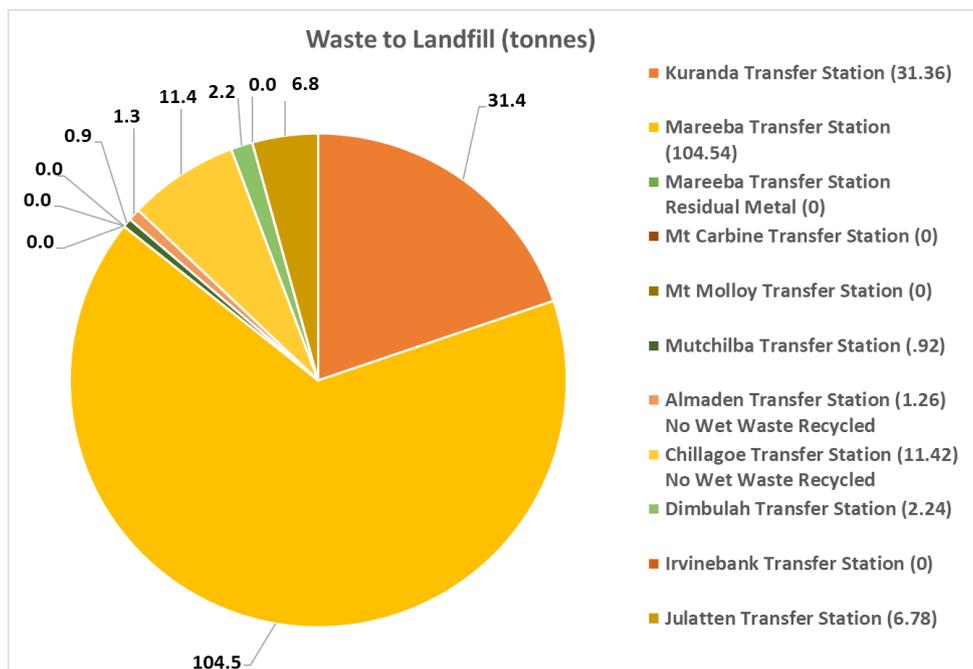
Waste material collected at each of the waste transfer stations are either deposited directly to the Springmount Waste Facility, recycled, or transported to the SUEZ Advanced Resource Recovery Facility (ARRF) in Cairns for processing. Metal has been processed and removed from Mareeba, Kuranda, and Julatten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





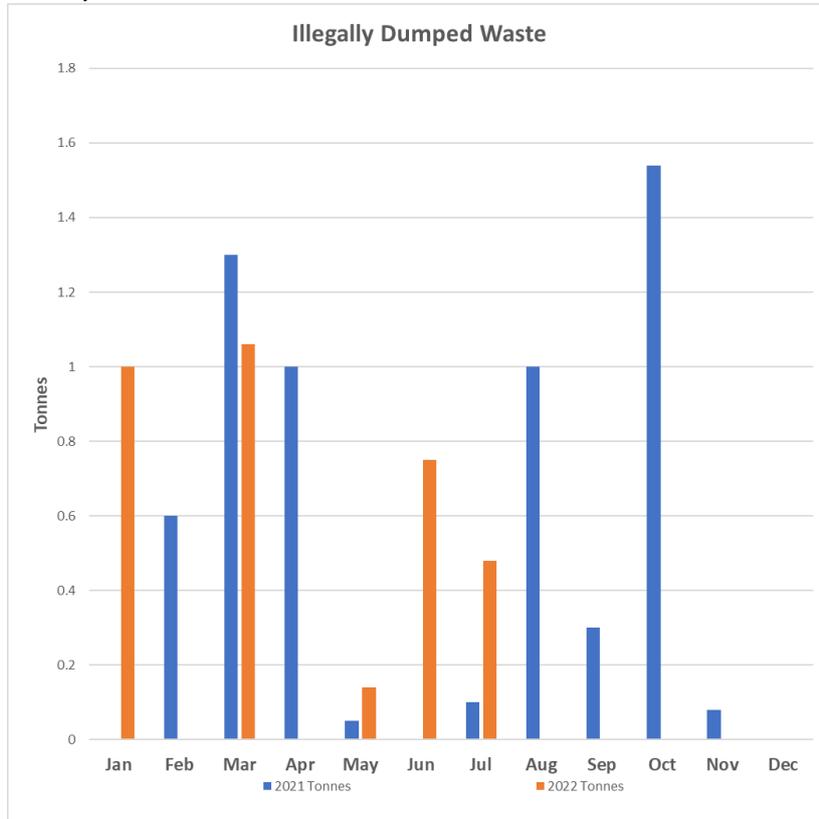
Waste to Transfer Stations

Transfer Station dry waste is transported off site to the Springmount Waste Facility and for the month of July 159 tonnes was landfilled.



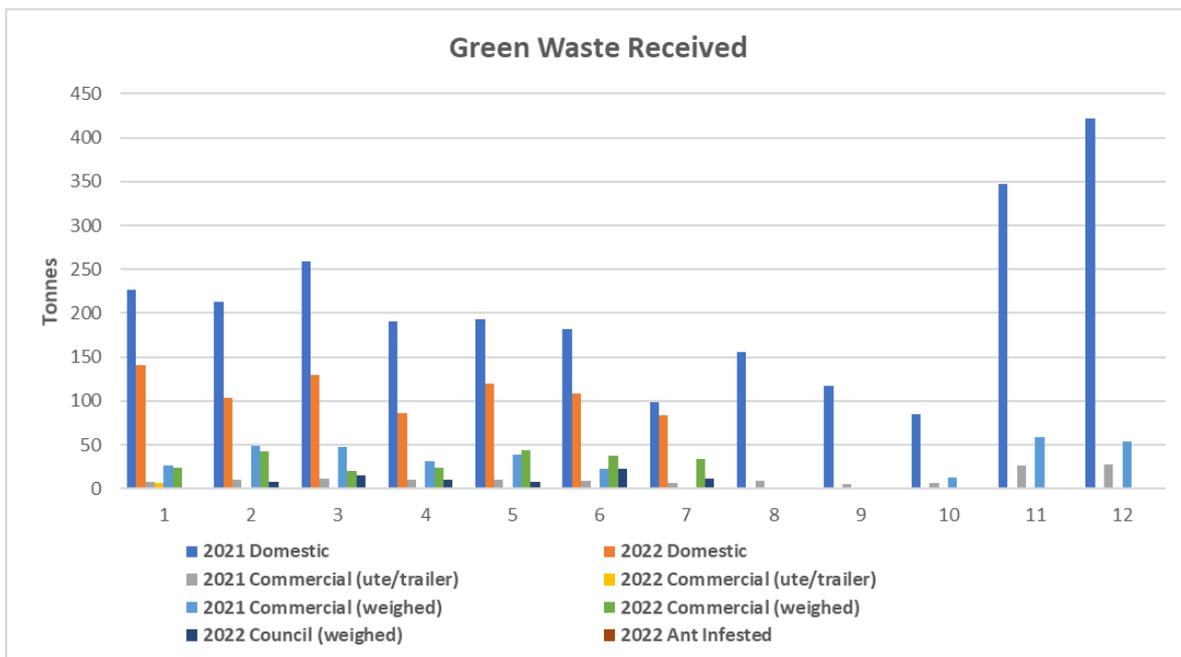
**Illegally Dumped Waste**

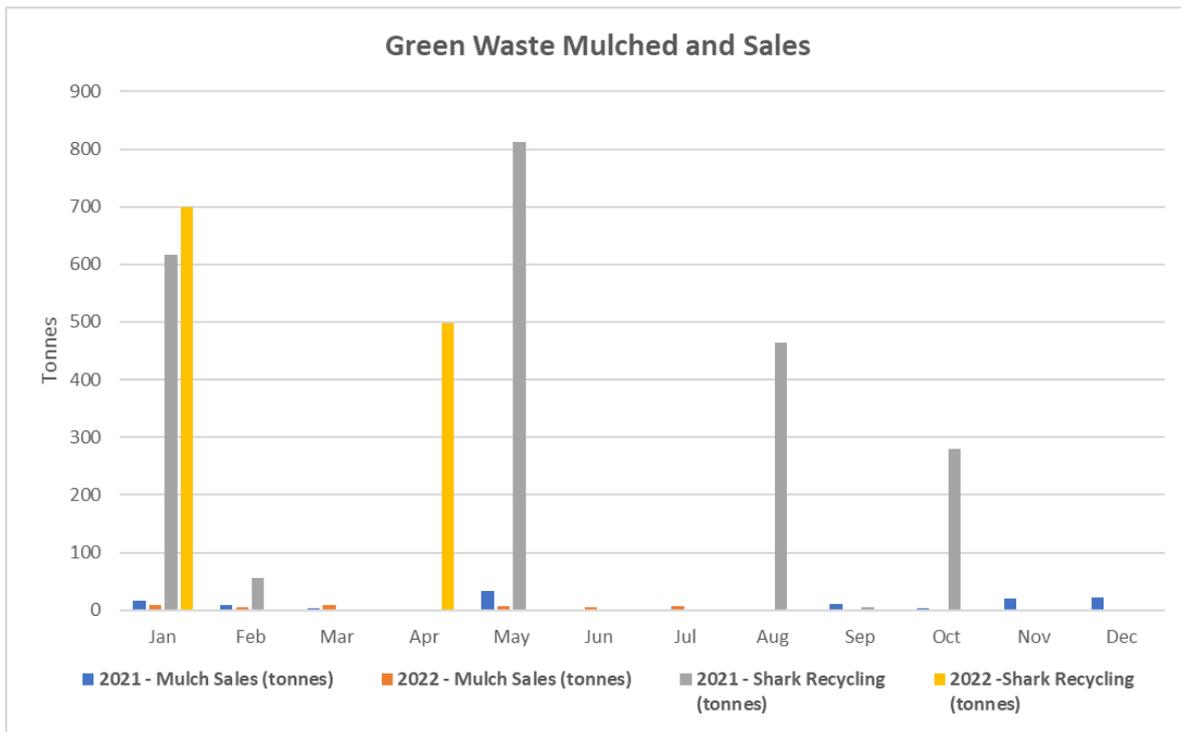
There were .48 tonnes of illegally dumped waste recorded through Mareeba Waste Transfer Station during the month of July.



**Green Waste**

Council received a total of 130 tonnes of green waste in the month of July. No green waste was mulched in July. 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 1.35 tonnes for July. Free domestic green waste disposal days will commence during the period 03 August to the 09 August as advertised via newspapers, our website and via the radio station.





**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.

**9.12 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - JULY 2022**

**Date Prepared:** 4 August 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 July 2022.

**RECOMMENDATION**

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

**BACKGROUND**

**Transport Infrastructure**

Road Maintenance Activities

Unsealed roads graded in July were as follows;

Road Name	Location
Bilwon Road	Biboohra
Vallely Road	Biboohra
Rosing Road	Biboohra
Bullock Road	Biboohra
Rush Road	Biboohra
McGrath Road	Biboohra
Blacks Road	Mareeba
Keegan Road	Mareeba
Studt Road	Mareeba
Emerald Falls Road	Mareeba
Kanervo Road	Koah
Bolton Road	Koah
Walsh River Road	Watsonville
Shiffron Road	Watsonville
Zaicz Road	Watsonville
Lockyer Lane	Watsonville
Toy Creek Road	Watsonville
Watsonville Cemetery Access	Watsonville
Sandridge Road	Watsonville
James Street	Watsonville
Mt Nolan Road	Watsonville
Hales Siding Road	Irvinebank

The unseasonal rains experienced in early July have meant some of the unsealed roads graded in June have required further maintenance work during July.

Other maintenance activities during the month of July include:

- Kuranda/Speewah/Koah
  - Road Edge Guide Posts (REGP) installation
  - Tree trimming
  - Unsealed road patching
  - Drainage works
- Mt Molloy/Julatten
  - Tree trimming
  - Bitumen patching
  - Slashing and herbicide treatment all areas
  - Drainage works
  - Slashing, mowing and brush cutting
- Mareeba Area
  - Signage repairs
  - Bitumen patching
  - Drainage work and headwall repairs

Customer Requests

During the month of July, the Works Group received 95 Customer Requests (CRs) with 153 resolved (resolved requests include those received prior to July 2022). The table below shows the number of requests lodged per Works Section for the month.

Month	Roads	Parks and Gardens	Pest Management	RMPC
July	71	16	7	1

At the time of reporting, the Works Group had 44 open requests.

Bridges and Major Culverts

In July, the bridge crew re-established at Davies Creek Bridge on Kanervo Road to complete the upgrade from timber deck to concrete deck. For the next 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.

Minor routine maintenance was undertaken at bridges and major culverts on Hickory Road, Springmount Road, Bolton Road and Kanervo Road (Rocky Creek).

TMR Routine Maintenance Performance Contract (RMPC)

Medium formation grading continued on the Burke Developmental Road (BDR) which also includes restoration works pertaining to 2021 Disaster Recovery Funding Arrangements (DRFA) submission. The grading crew is currently working a 10 day shift and will be relocating from the Wrotham Park camp to the Gamboola camp at the start of the next shift on 15 August.

Emergency repair works are being undertaken on the section of the BDR between Trimble's Crossing and the boundary between Mareeba Shire Council and Carpentaria Shire Council. This section became accessible in early June thus commencing the 90 day emergent work period. It is anticipated that the emergent works will be completed by mid-August allowing the maintenance grading crew to continue the annual maintenance grade through to the shire boundary.

Other works carried out under the RMPC in July included;

- Pothole patching at Gorge Creek and adjacent to the Mareeba Rodeo grounds on the Mareeba Dimbulah Road
- Perma patch repair of a hole in Trimble's Crossing
- Side arm slashing on the Kennedy Highway
- Removal of abandoned vehicles on the Mossman - Mt Molloy Road
- Attending to two (2) traffic incidents on the Mulligan Highway, one involving a caravan and the other involving a cane haulage truck



*Patching Trimble's Crossing BDR*

### Parks and Open Spaces

The month of July has been a little dryer and cooler than previous months and vegetation growth has started to slow down. As the mowing, brush cutting and slashing frequency drops (apart from sporting fields), Parks and Gardens resources become more available for other necessary maintenance activities. The gardens in Byrnes Street and at the Cedric Davies Hub have been trimmed, weeded and mulched in preparation for spring.

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

- 14 burials - Mareeba Cemetery
- One (1) burial - Kuranda Cemetery
- One (1) burial - Dimbulah Cemetery
- Removal of the Byrnes Street banners after the Mareeba Rodeo
- Prepare Davies Park for the annual Christmas in July gathering
- Irrigation repairs at Davies Park
- Completion of Byrnes Street median plantings
- Slashing of Bibohra township
- Slashing of northern town entrance

### Land Protection

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

**Siam Weed:** The survey and treatment of Sandy Creek, that feeds into Rifle Creek in Mt Molloy, has been completed for the year. A substantial reduction in plants has occurred. All other Siam Weed locations have now finished for the year. Officers were successful in treating all sites before the plants were able to flower and seed.



*Siam Weed, Sandy Creek, Mt Molloy*

**Multi Weeds – Emu Creek, Petford :** Work has continued on Emu Creek eradicating the two *Jatropha* species (Belly ache and Physic nut) as well as rubber vine.

**Wild dogs:** Baiting has been carried out on three (3) properties on Lynd and Walsh River catchments totalling 299,630Ha of land. Several land holders were also given advice on trapping and shooting.

**Feral Pigs:** 10 Pigs were trapped and destroyed during July, six (6) at the Mt Molloy School during school holidays and four (4) in Speewah

**Rabbits:** A property owner in the Irvinebank area is assisting Council with the eradication of rabbits in the area.

## **FINANCIAL AND RESOURCE IMPLICATIONS**

### ***Operating***

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

## **LINK TO CORPORATE PLAN**

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## **IMPLEMENTATION/COMMUNICATION**

Nil