

## 9 INFRASTRUCTURE SERVICES

### 9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - APRIL 2022

**Date Prepared:** 20 April 2022

**Author:** Manager Projects

**Attachments:**

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

#### RECOMMENDATION

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

#### IMPLEMENTATION/COMMUNICATION

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



**Project Name: Byrnes Street Median Traffic Islands and Landscaping**

**Program: Parking**

**Background**

Construction works associated with the refurbishment of the median islands in Byrnes Street commenced toward the end of March 2022. The works involved the creation of additional car parking spaces along with new kerbing around new and existing gardens and medians. Removal of the old vegetation and replaced with new plantings.

This project is Stage 3 of the Byrnes Street refurbishment program.

**Scope of Works**

Works consist of modifying, removing, construction and reconstruction of landscaped islands and applying an asphalt overlay along Byrnes Street centre medians between Rankin Street and Lloyd Street to increase the number of centre parking along Byrnes Street.

**Progress update.**

All demolition work, pavement replacement and the preparation of the northern median traffic island has been completed. The 7mm bitumen seal will be sprayed in the first week of May followed by the installation of the asphalt overlay and new maintenance kerbing in the following week (weather permitting).



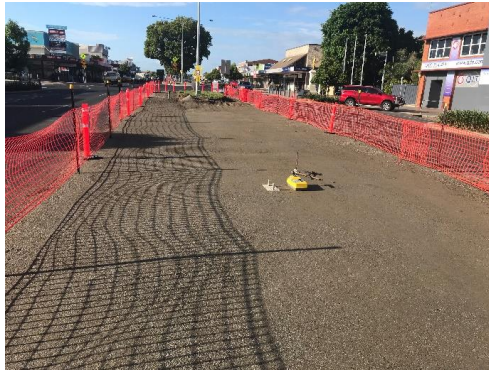
*Electrical Conduit Protection*



*Geofabric covering replaced unsuitable material*



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



*Nuclear density testing of new pavement*



*Milling existing seal from centre car parks*



*Preparation of new northern median garden bed*



*Planting out new northern median garden bed*



**Infrastructure Services Capital Works Report  
Project Highlights - April 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 and the large African Mahogany trees, that occur at intervals along Reynolds Street, have 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 needs 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 project commenced in April and at the time of reporting three (3) of the nodes have been completed, three (3) are yet to be gravel backfilled and one (1) has not commenced construction.



*Tree damaged K&C*



*Aged and cracked asphalt*



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



*Removal of failed pavement & damaged K&C*



*Site ready for new K&C installation*

**Infrastructure Services Capital Works Report  
Project Highlights - April 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 pipeline crew has completed all pipeline trenching along Starcke and Hampe Streets with trench crossing and restoration underway. The contractor completed the remainder of Pipeline 3 and Vaughan Street trenchless crossing during April.



*Installations of the new 300mm diameter Ductile Iron DICL water main at Vaughan Street*

**Infrastructure Services Capital Works Report  
Project Highlights - April 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 sewerred areas of the Mareeba township south of Granite Creek.

**Scope of Works**

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

**Progress Update**

Works to strip out the existing pump station are now complete with the internal walls to be re-coated with a membrane sealant to extend the life of the pump station internal walls. Demolition of the upper structure was undertaken during March and April.

- Scaffold and propping of wet / dry well
- Demolition of existing building
- Wet well penetrations into dry well for gravity sewer installation



*Internal pump station stripped out*



*Demolition of the upper pump station structures*

## Infrastructure Services Capital Works Report Project Highlights - April 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

During April the contractor established at all three (3) sites; Thooree Street, Arara Street and Palm Close Sewerage Pump Stations.

#### 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.



*Excavation and core hole penetration into the pump station to allow for new discharge pipework*



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



Arara Street, Kuranda

Works carried out include service locations; root barrier installation; procurement of pipework, lids and material and preparation for treatment of external joints.



*Site excavated to install root barrier*

Palm Close, Mareeba

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



*Site inspection*

**Infrastructure Services Capital Works Summary Report - April 2022**

Project Description	Project Stage	Progress Comment
<b>Program: 01 Rural and Urban Roads Reseal Program (Renewal)</b>		
2021/22 Reseal & Asphalt Program	Construction	Reseal program has commenced with roads in the Speewah, Chewko, Mareeba, Arriga, Glen Russel and Biboohra areas completed. The program is very sporadic due to the continuing rain.
BETTERMENT Co-Contribution	Not Commenced	No projects submitted due to ROI outcome, funding to be used to develop future strategy.
<b>Program: 02 Gravel Resheet</b>		
2021/22 Gravel Resheet Program	Construction	Resheeting of Mines Road commenced 3 May. To be followed by Venture Road and George Fabris Road plus sections of Henry Hannam Drive and Martin Avenue.
<b>Program: 03 Urban Streets</b>		
R2R Reynolds Street, Mareeba - Replace Kerb and Channel	Construction	Existing kerb and channelling demolished and backfilled; new kerb and channelling will be installed 17 May. Asphalt tender closes 18 May with report to Council 15 June. Asphalt installation proposed for early July.
<b>Program: 04 Rural Roads</b>		
TIDS Euluma Creek Road, Julatten Ch 7.01-9.325 Rehabilitate & Widen 3 sections within chainage	Construction	Project on hold due to wet weather.
TIDS Euluma Creek Road, Julatten Ch 9.350-10.130 Rehabilitate & widen 3 sections within chainage	Design	Funding no longer split over two (2) financial years. Project will be delivered as part of 2022/23 Capital Works Program.
R2R Wolfram Road, Dimbulah Priority Sections Stage 2	Construction	Project complete apart from line marking which will be installed 12 May, weather permitting.
Borzi Road, Mareeba - Widen and Seal Ch 0.03-0.67	Design	Design completed.
DRFA Betterment 2019 - Clacherty Road, Shanty Creek Road & Fossilbrook Road	Construction	Fossilbrook Causeway has reached Practical Completion, minor works to establish rock protection required prior to closing project. Wet weather delays have occurred, works targeted for completion post-wet season, May 2022.
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.
<b>Program: 05 Bridges</b>		
BRP Kanervo Road, Replace Timber Bridge over Davies Creek	Construction	Project will re-commence after wet season. All works that can be carried out under traffic have been completed.
BRP Davies Creek Road Bridge Replacement	Construction	Deck and kerb unit fabrication complete. On site bridge works to commence after Kanervo Road bridge is complete. Estimated to be July/August but will depend on on-going wet season.
Granite Creek, Mareeba - Replace Footbridge Deck (Eales Park)	Design	Project in design phase.
Palm Close, Mareeba - Replace Footbridge Boards	Design	Project in design phase.
Bicentennial Lakes Footbridge Safety Upgrade	Design	Project in design phase.
<b>Program: 06 Drainage</b>		
2021/22 Minor Culvert and Causeways Renewal	Construction	Design received for Leafgold Weir Road. Waiting on design for Mclver Road culvert installation. Will be completed when resources become available.
Amaroo Mareeba - Drainage Upgrade Stage 2 of 3 - Karobean Drive to Yarrabee Close (300m)	Design	Draft plans received. Quotations will be called when plans are final.
<b>Program: 08 Parking</b>		
Borzi Park, Mareeba - Carparking Masterplan	Planning	Scoping out potential options, investigations and concept layouts to be developed for consideration late May 2022.
<b>Program: 09 Footpaths</b>		
2021/22 Footpath Renewal Program	Construction	Constance/Rankin Streets footpath extension completed. Other renewal sites to be identified.
<b>Program: 10 Parks and Gardens</b>		
Parks & Open Spaces Strategy	Planning	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.
<b>Program: 11 Water</b>		
Chillagoe Bore and Water Main Construction	Close Out	Mains power lines to bore site connected in April and bore commissioned.
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.

**Infrastructure Services Capital Works Summary Report - April 2022**

Project Description	Project Stage	Progress Comment
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 now 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	New server grade PC's have arrived and Council's SCADA Contractor can now start to implement the new Citect upgrades, test and then commission. Due to the number of sites we are doing this project may run over time. Anticipated completion is October 2022.
2021/22 Valve Replacement Program (Reticulation)	Construction	Works progressing with more materials on order to allow continuation of works.
Mareeba WTP Study and potential upgrade of wastewater system to improve supernatant quality	Planning	This project will be delayed due to ongoing lockdowns in NSW affecting the ability of City Water Technology to perform their work. Technical study anticipated to commence September 2022.
Mareeba Water Treatment Plant Filtration Upgrade	Design	Grant application submitted for this project and awaiting outcome of grant assessment to BBRF, currently grants officer preparing a grant application to BOR funding program with CWT doing design drawings to support application.
<b>Program: 12 Wastewater</b>		
Mareeba Wastewater Treatment Plant - Aeration diffusers replacement (every 5 years)	Construction	Equipment has arrived and arrangements will be made for installation in 2022 after wet season with project funds needing to be carried over to new financial year when works are scheduled to occur.
Kuranda Wastewater Treatment Plant - Replace Sludge Conveyor Belts	Procurement	Original supplier has advised they are too busy to manufacture a new belt, and alternate supplier has been sourced and they are currently manufacturing a belt. Belt to be installed during May and or June.
Telemetry/SCADA Upgrades	Planning	IT have advised that the new server grade PC's have arrived, and our SCADA Contractor can now start to implement the new Citect upgrades, test and then commission. Due to the number of sites, we are doing this project may run over time.
New Sewer Pump Station Standby Generators x2	Construction	Contractor has advised of further delivery delays, site works underway in preparation of the impending delivery of the generators.
2021/22 Mareeba Sewer CCTV & Relining Program	Construction	Contractor on-site May 2022.
2021/22 Mareeba Wastewater Treatment Plant Component Renewals	Procurement	Installation and replacement of equipment scheduled from March to June.
Granite Creek, Mareeba Sewerage Pump Station Refurbishment	Construction	Project progressing well despite some inclement weather delays, demolisher currently on-site and structures removed. Anticipated completion late August 2022.
2021/22 Mareeba Pump Station Magflow Install Program	Construction	New flow meter installed at Kenneally Road SPS. Currently working at Robins Street SPS on the flow meter installation.
2021/22 Mareeba Wastewater Reticulation Pump Renewal	Planning	Currently assessing which SPS pumps require replacement, with one pump being replaced to date and following scheduled servicing in May a final decision will be made on which pump/pumps are to be replaced.
Minor Sewerage Pump Stations H2S protection and refurbishment.	Construction	Contractor currently working on Arara Street and Thooree Street pump stations with work progressing well. Once these two pump stations are complete they will then start on Palm Close pump station.

**Infrastructure Services Capital Works Summary Report - April 2022**

Project Description	Project Stage	Progress Comment
Mareeba Gravity Sewer Main installation from Cedric Davies to Lifestyle Sewerage Pump Station	Completed	Project site works completed with site inspection scheduled for Friday 6 May with the contractor prior to finalizing project.
<b>Program: 13 Waste</b>		
Kuranda Waste Transfer Station Weighbridge & Gatehouse	Construction	Weighbridge working well, essentially major component of the project is completed; some minor works being completed over the coming weeks including some close out documentation with the supplier.
Mareeba Waste Facility - Buy Back Shop Construction	Construction	Construction works on new shed completed, the Indent survey works and works being done to address tenure of road access to the WTS which State Government required as part of DA process.
Mareeba Waste Facility - Design for New Landfill Cells	Procurement	New cell design underway, consultant working in conjunction with Council officers and work expected to be completed by mid-2022.
<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 auctions and will procure when suitable plant identified.
Fleet Replacement #1336 - LLOs Dual Cab Ute	Completed	Project completed; vehicle in service March 2022.
Fleet Replace #676 Civil Works Truck	Completed	Truck delivered late April 2022, truck in service.
Fleet Replacement #1317 - Western Roads Landcruiser	Procurement	Purchase Order raised 4 August 2021, anticipated delivery June 2022. Severe delivery delays due to COVID and production shortages.
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 July / August 2022.
Fleet Replacement #4053 - Husqvarna Zero Turn	Procurement	Purchase Order raised 26 October 2021, anticipated delivery has been pushed back June 2022 due to supply issues.
Fleet Refurbishment #400 - Cat Excavator (Track)	Procurement	Parts arrived April; anticipated completion May 2022.
Fleet Refurbishment Truck Mounted Water Tank	Planning	Business Case being developed.
<b>Program: 16 Depots and Council Offices</b>		
Rankin Street, MSC Admin Office Refurbishment	Construction	Stage 1 internal works complete. Stage 2 internal works to commence 3 May.
Kowa Street, MSC Depot - Emergency Generator	Planning	The electrician has completed a building/ switchboard load assessment. A preliminary Report has been provided detailing potential options.
<b>Program: 17 Community Buildings</b>		
Koah Tennis Court - Remove/replace the unstable timber light poles (with metal poles and caged footings within concrete)	Planning	A second invitation for quotation opened; closing 12 May 2022.
Dimbulah / Mareeba / Kuranda Pools Chlorine Dosing Improvements	Planning	Scope of works being finalised and quotes being sourced. Anticipate works commencing after wet season; May 2022.
Mareeba Leagues Club Grandstand Refurbishment	Construction	Work expected to commence mid-May 2022.
Mareeba PCYC Shire Hall Part Roof Replacement (Partial roof replacement)	Construction	Contract awarded, works to commence once materials arrive.
2021/22 Shire-wide Ablution Refurbishment Program	Construction	Revised quotes called for Dimbulah Tennis Court Toilets, refurbishment to be completed by end of June 2022.
<b>Program: 18 Non-Infrastructure Items</b>		
Kuranda Columbarium Wall	Not Commenced	Works to be completed end of June 2022.
Kuranda New Cemetery	Planning	Development Application submitted.
DRFA Flood Warning Infrastructure Network MbaSC.0016.1819E.FWI - River Gauge (Biboohra)	Construction	Works completed during April and gauge commissioned late April 2022.
DRFA Flood Warning Infrastructure Network MbaSC.0018.1819E.FWI - Rain Gauge (7 locations)	Construction	Commencement of works pending permit from Qld Parks at Upper Spence Creek, Mt Windsor National Park. It is anticipated works will commence late May 2022.
<b>Program: 20 KIAC</b>		
KIAC - New Wayfinding Signage	Construction	Defective signage returned to supplier mid-April 2022. Supplier advised refurbishment of signage underway.

**9.2 PARKS AND OPEN SPACES ACTION PLAN MONTHLY PROGRESS REPORT - APRIL 2022**

**Date Prepared:** 4 May 2022  
**Author:** Manager Projects  
**Attachments:** 1. POS Update April 2022 [↓](#)

---

**EXECUTIVE SUMMARY**

The purpose of this report is to provide an update on projects being delivered under the Parks and Open Spaces 3 Year Action Plan during the month of April 2022.

**RECOMMENDATION**

That Council receives the Parks and Open Spaces Action Plan Monthly Progress Report for the month of April 2022.

**BACKGROUND**

Council adopted its Parks and Open Spaces Strategy and 3 Year Action Plan in February 2022.

The Parks and Open Spaces Strategy 2022-2031 has been developed to achieve Council's vision to enhance the Shire's liveability and visual appeal, and to encourage active communities and economic development. The Strategy was developed using a structured community engagement and internal consultation process.

Alongside the Strategy, a 3 Year Action Plan was developed for implementation of initial priority projects, with monthly updates provided to Council on the progress of the action plan, with each project presented to Council in detail prior to construction.

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

The 3 Year Action Plan is fully funded at no additional cost to ratepayers.

***Is the expenditure noted above included in the current budget?***

Yes

***Operating***

The 3 Year Action Plan has been developed with an objective of no increase to the operational budget.

***Is the expenditure noted above included in the current budget?***

Yes

**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.

**Community:** An informed and engaged community which supports and encourages effective partnerships to enhance the liveability of the Shire.

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

**Economy and Environment:** A resilient economy that promotes and supports the shire's natural assets and local industry and encourages investment while preserving and future proofing for generations to come.

**Governance:** Sound decision making based on effective frameworks and clear strategic direction to achieve regulatory compliance while delivering affordable levels of identified services within the Shire.

#### **IMPLEMENTATION/COMMUNICATION**

Updates will be provided to Council on a monthly basis, with targeted engagement to be undertaken on specific projects.

**Parks and Open Spaces 3 Year Action Plan - Project Update - April 2022**

Project	2022	2023	2024	Monthly Update to Council
<b>RAIL TRAIL</b>				
Mareeba Rail Trail Stage 1 (Mareeba to Airport)				Design has effectively been completed by MSC Technical Services team. Design is currently under constructability review and cost verification with Works team. Meeting with abutting properties that have informal road access to the Kennedy Highway to take place in early May 2022.
<b>BETTER PLAYGROUNDS</b>				
Geraghty Park (Julatten)				Not commenced. Design to commence in 2023. Grant funding application lodged for funding under Community Gambling Benefit Fund for partial funding.
Pat Kinnear Memorial Park (Chillagoe Town Hall)				Not commenced. Design to commence later in 2022.
Dimbulah Town Hall Park Revitalisation				Irrigation upgrade completed in late 2021. Initial engagement with Dimbulah Lions commenced in relation to the upgrade of the Rotunda. Further public consultation to take place in relation to park upgrades within Dimbulah.
Kuranda Community Precinct				Not commenced. Design to commence later in 2022.
General Playground and Fitness Equipment Renewals - Various Locations				Sunset Park, Mareeba and Roscommon Park, Speewah are next priorities for replacement of exercise equipment and can be brought forward if Council wishes to commence.
<b>IMPROVE BICENTENNIAL LAKES</b>				
Bicentennial Lakes (Southern) Upgrade				Currently preparing scope of work to invite tenders/quotes for design of both sections – grant funding has been applied for under Local Government Grants and Subsidies Program.
Bicentennial Lakes (Northern) Upgrade				Refer to comments within the Southern Stage.
<b>IMPROVE PARKS AND OPEN SPACES</b>				
New Mareeba East Park – Hastie Road				Design to commence later in 2022. Propose to bring forward from 2023/24 to 2022/23 Capital Program.
Mareeba Town Walking Trails Upgrades				Project has been initiated with TMR and ARUP Consulting Engineers. Project Inception Meeting 29 March 2022. Consultation with stakeholder groups to be held in May 2022.
Gregory Terrace (Kuranda) Park Upgrade				Not commenced. Design to commence in 2023.
Kuranda Town Walking Trails Upgrades				Council has applied for grant funding under the Walking Local Government Grants program to undertake a Walking Network Planning project in Kuranda and is awaiting an outcome of its application.
Kuranda Tourism Parks and Open Space Upgrades*				Kuranda Township Master Plan (KTMP) is to be updated for approval following the State Government approving extension of the Kuranda Infrastructure Agreement in late 2021. Projects and timing will be subject to approval of KTMP by the State Government which is anticipated by mid to late 2022.
Bill Newman Park (Irvinebank) Upgrade				Draft proposal being updated for discussion at the June workshop following discussions in March.
Anzac Park (Mareeba) Revitalisation				Council's comments were communicated to the Landscape Architect who has updated the Plans for representation to Council.

**Parks and Open Spaces 3 Year Action Plan - Project Update - April 2022**

<b>Toilet Facilities Improvements - Various Locations</b>				Dimbulah Tennis Court toilet refurbishments to be completed by end of June 2022.
<b>Footpaths Improvements - Various Locations</b>				Footpaths renewed along Rankin St and Basalt Gully (Stewart St), Mareeba. Pedestrian bridge improvements for Basalt Gully (Stewart St) and Granite Creek (Eales Park to Ward St) under design. Further renewals to occur in the future.
<b>Park Entrance Signage Improvements - Various Locations</b>				10 No. Park entrance signs have been replaced in February 2022 with further replacements to occur in the future.
<b>WATER PARK</b>				
<b>New Mareeba Water Splash Park**</b>				Request for Tender released through Vendor Panel Market Place on 21 April and advertised in Cairns Paper.

\*Tourism projects in Kuranda to be funded by the Kuranda Infrastructure Levy

\*\*Subject to State Government Funding



**9.4 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - APRIL 2022**

**Date Prepared:** 20 April 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 April 2022.

**RECOMMENDATION**

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

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

Investigation activities undertaken in April included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	66	32
Drainage Investigations	9	7
NHVR Permit Applications	0	17
Aerodrome Investigations	0	0
Traffic Count Surveys	0	0
Parks Investigations	4	3
Dial Before You Dig Requests	0	247

Soil Laboratory:

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

Supplier	No. of Tests
Internal	65
External	70

Asset Inspections:

Scheduled inspections of Council's transport infrastructure assets have been undertaken during the month of April. Field inspections were primarily directed towards kerb and channel assets to assist in the revaluation process of the asset class, while road inspections were recommenced. In addition to field inspections, work was completed towards improving data for the water, sewerage, roads, underground stormwater and kerbs assets.

Inspection Type	No. of inspections
Kerb and Channel	169
Roads	33
<b>Subtotal</b>	<b>202</b>

Inspections planned for April will continue to include work on the kerb and channelling asset class, however will predominantly be office based in support of the GIS team. In field inspections will begin to focus on the underground stormwater network as well as inspection of Council roads and other transport infrastructure.

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	Keneally Estate Lot 56	Under construction
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:

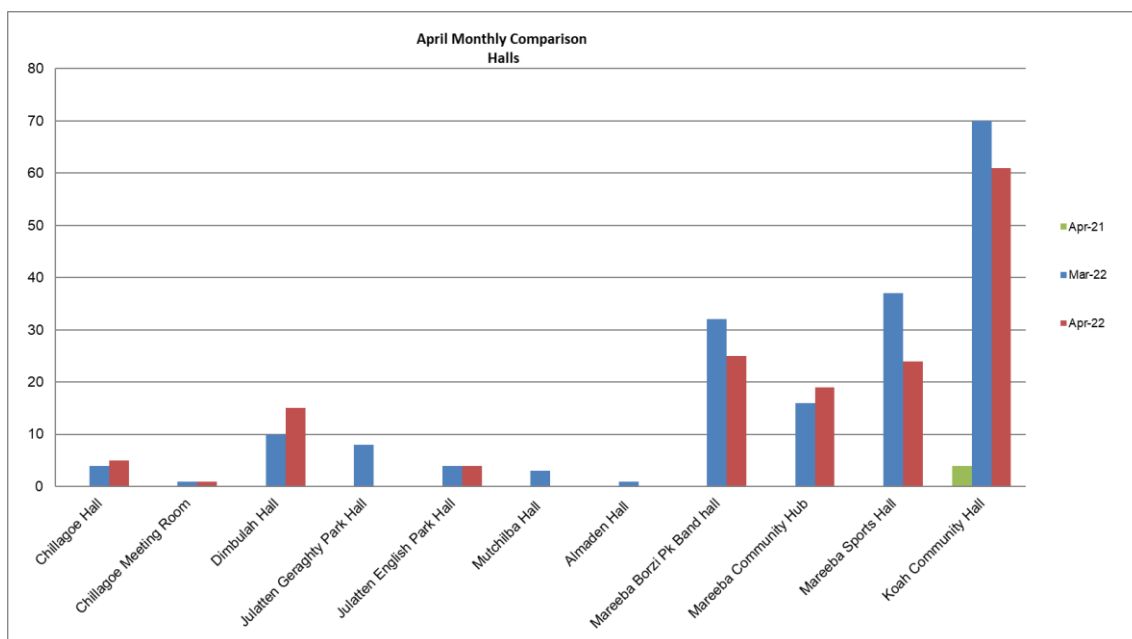
Program	Status
2022 DRFA	Mareeba Shire activated DRFA assistance measures linked Far North Queensland Low Pressure Trough, that occurred 1 – 7 February 2022. Council has commenced assessment of damage, emergency repairs and immediate restoration of impacted roads throughout the Shire. A consultant will be 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.
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 has required demobilisation from site. Works will be recommenced as soon as access to the site is available.
2019 Betterment	Fossilbrook Crossing remains the only outstanding site which was delayed due to wet weather. The crossing has reached practical completion, however minor works remain to finalise the project.

**Facilities**

Community Halls:

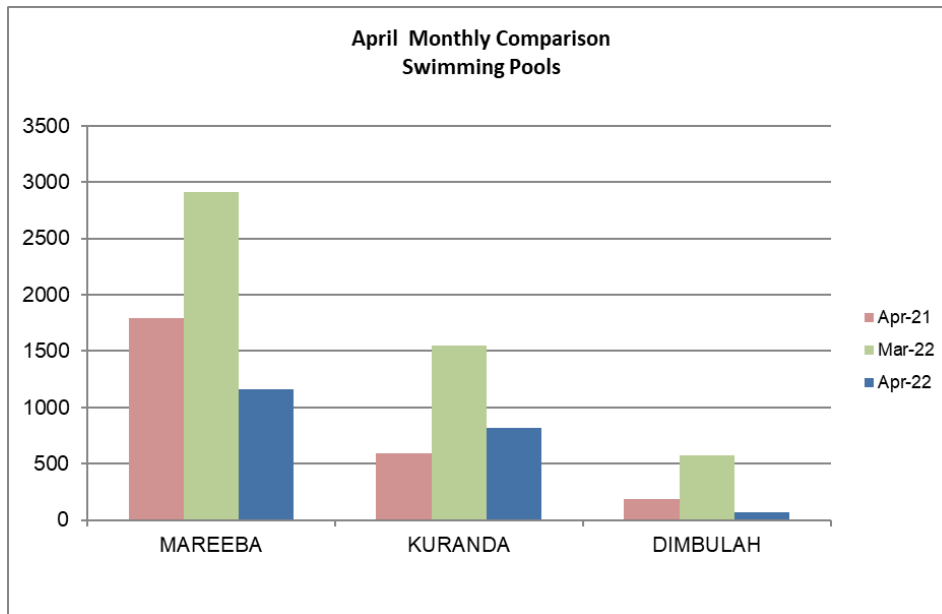
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing. All facility users are required to comply with the conditions set out by the State Government's COVID-19 Restrictions.

April's decrease in hall hires is assumed due to the public holidays in the month.



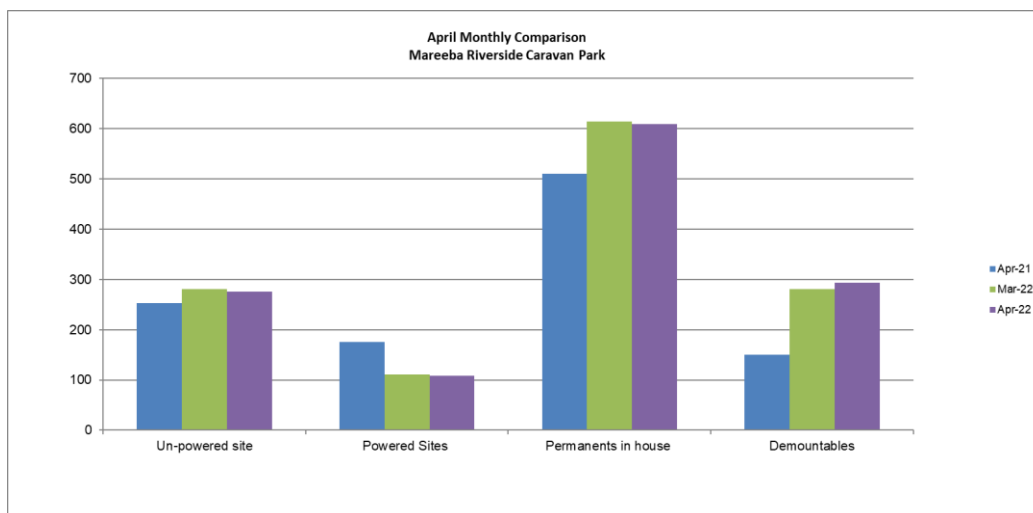
Swimming Pools

Pool patron numbers have dropped at all three (3) aquatic facilities. School swimming has ceased, and fitness class numbers have also declined. An overall decline in all entry categories has been observed compared to last month and the same time last year.

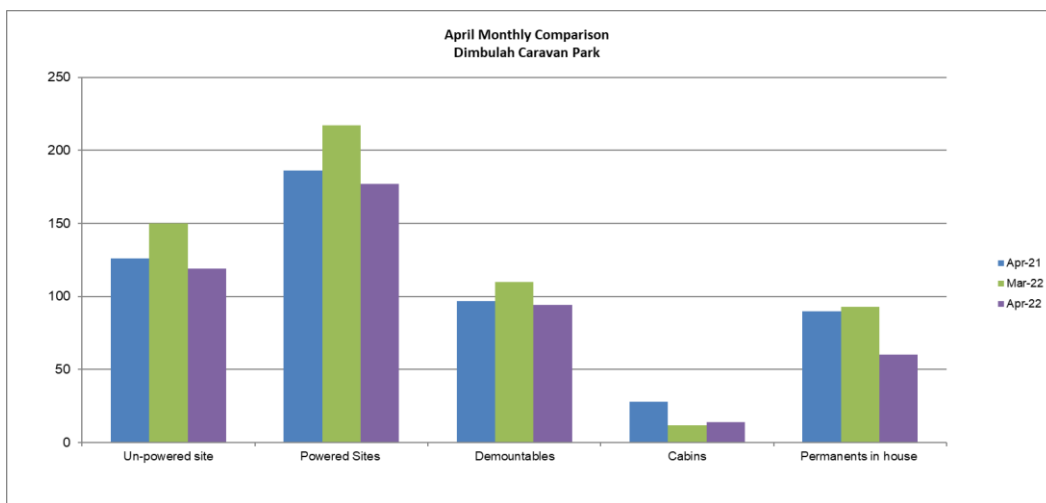


Caravan Parks:

Mareeba Riverside Caravan Park tenant numbers remain the same as last month and an increase on last year.



Dimbulah Caravan Park utilisation has decreased compared to last month due to the wet weather that has affected the camping sites.



**Vandalism & Graffiti:**

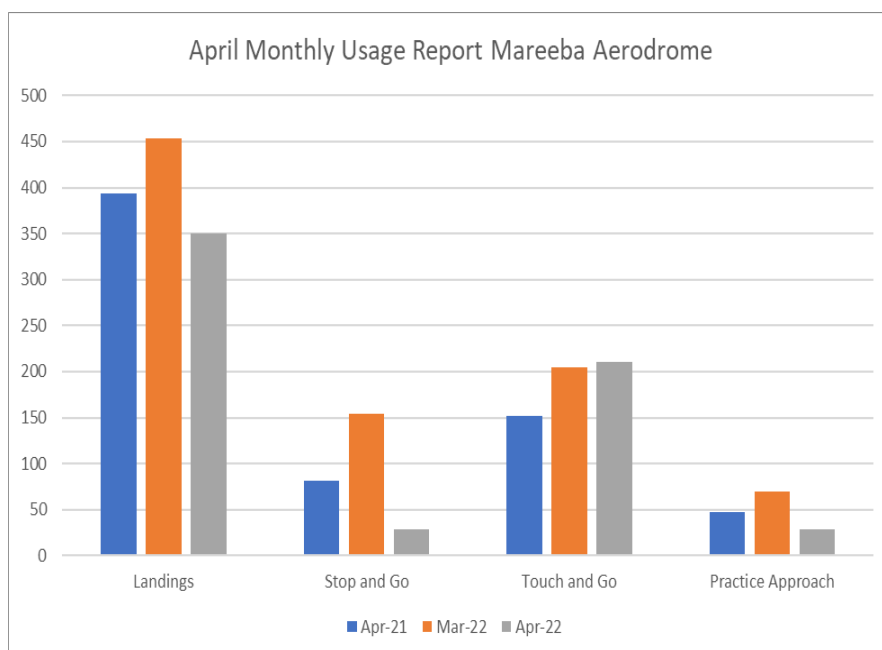
During April, 11 reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

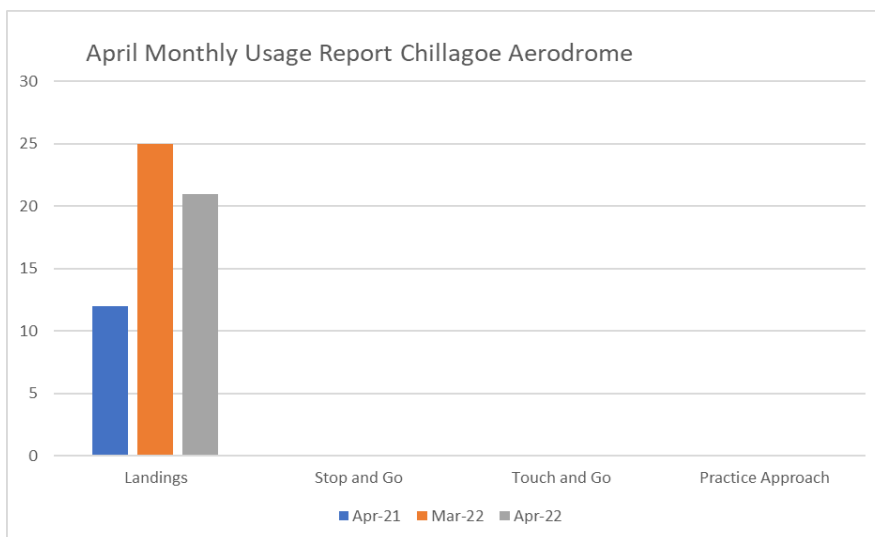
Financial Year	Actuals	Comments – April 2022
2015/16	\$ 2,134.00	• Mareeba CWA Toilets/restroom - graffiti x 3
2016/17	\$ 16,546.00	• Mareeba Mary Andrew Park - vandalism x 1
2017/18	\$ 23,948.00	• Mareeba Barron River Toilets - vandalism x 1
2018/19	\$ 14,851.00	• Mareeba Arnold Park - vandalism x 2
2019/20	\$ 14,211.18	• Mareeba Cenotaph - graffiti x 2
2020/21	\$ 62,199.62	• Kuranda Centenary Park - vandalism x 1
2021/22	\$ 36,961.57	• Dimbulah Memorial Park - graffiti 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**

Mareeba Aerodrome recorded a reduction in activity for April, potentially owing to inclement weather conditions. Chillagoe Aerodrome has only minor activity recorded for the period.





**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.

Council’s replacement Backhoe is currently located in a flood affected region of Brisbane.

**9.7 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - APRIL 2022**

**Date Prepared:** 20 April 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 April 2022.

**RECOMMENDATION**

That Council receives the Infrastructure Services, Water and Waste Operations Report for April 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)	6,991	924	274	380	65
Number of Connections	4,385	982	157	272	137
Average daily water consumption per connection (L)	1,594	941	1,745	1,397	575

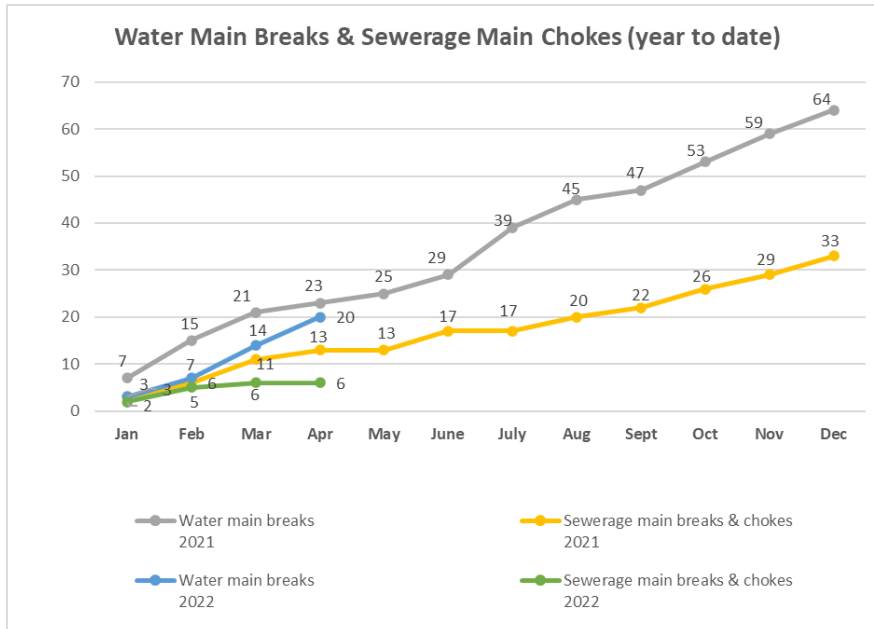
\* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	2,550	245
Number of Connections	3,424	346
Average daily inflow per connection (L)	745	708

**Water and Wastewater Reticulation:**

Council's water reticulation crew attended to six (6) water main breaks and no (0) sewer main break 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:



**Chillagoe Elevated Water Truck Fill Tower:**

The newly installed elevated water truck fill tower has been installed and commissioned at the Bore 3 site on Frew Street Chillagoe. The elevated water truck fill tower is available for contractors and council use. The system is fully automated and operated via a swipe tag and the tags are available from the Councils Rankin St Office, a small fee is charged for the swipe tag and customers are then charged the applicable fee for water per kilolitre.



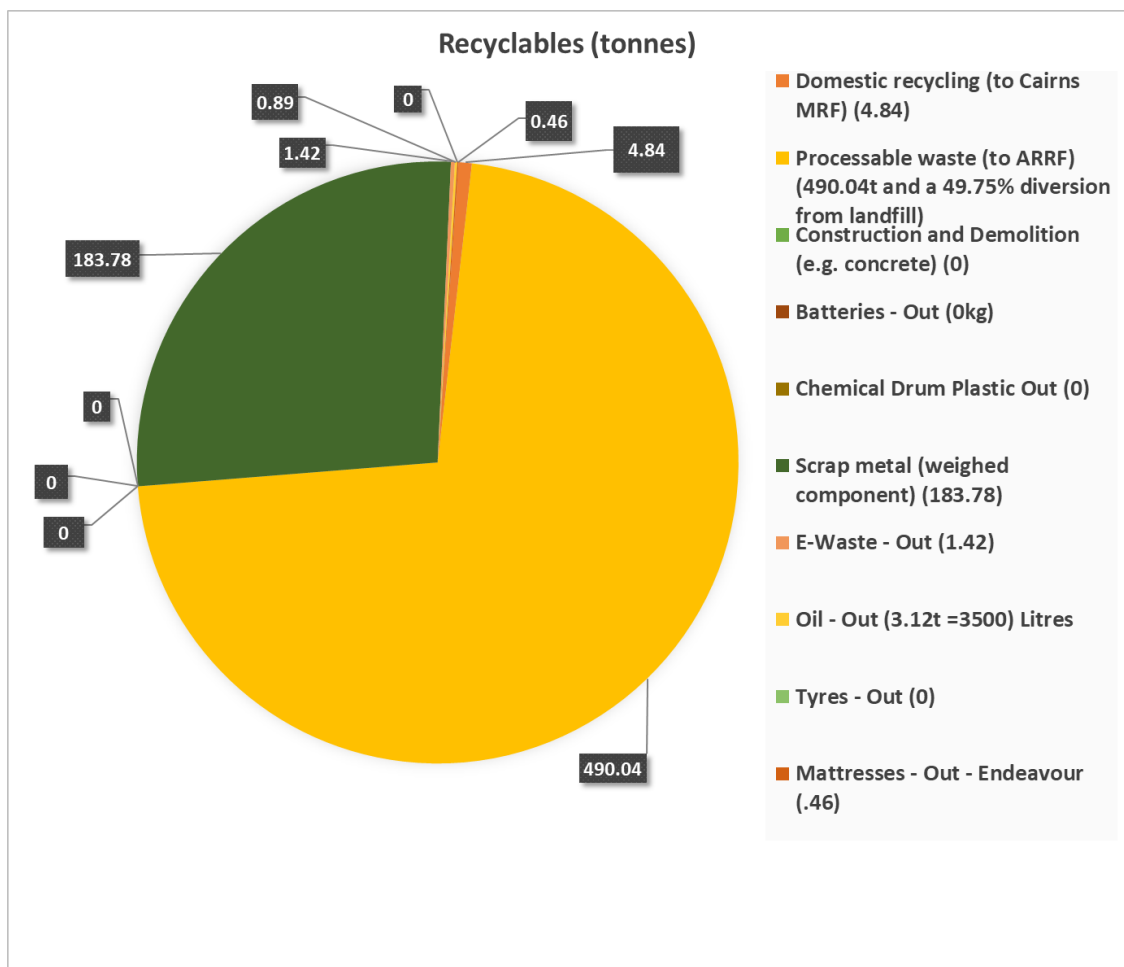
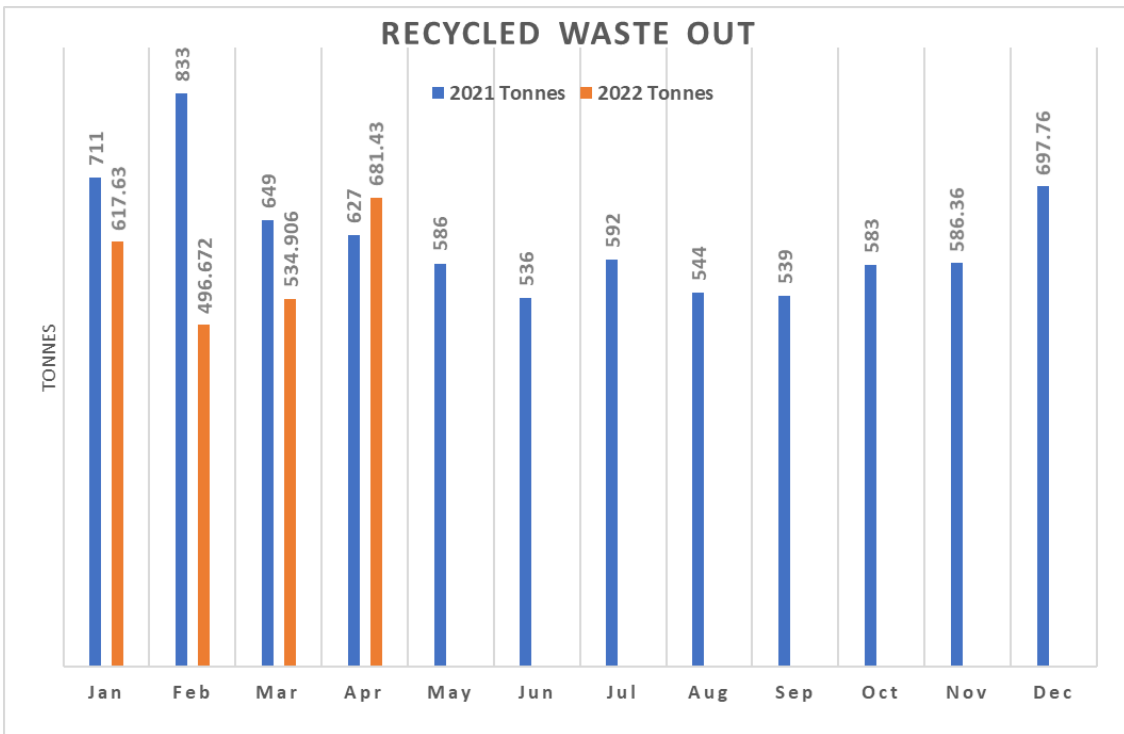
**Waste Operations:**

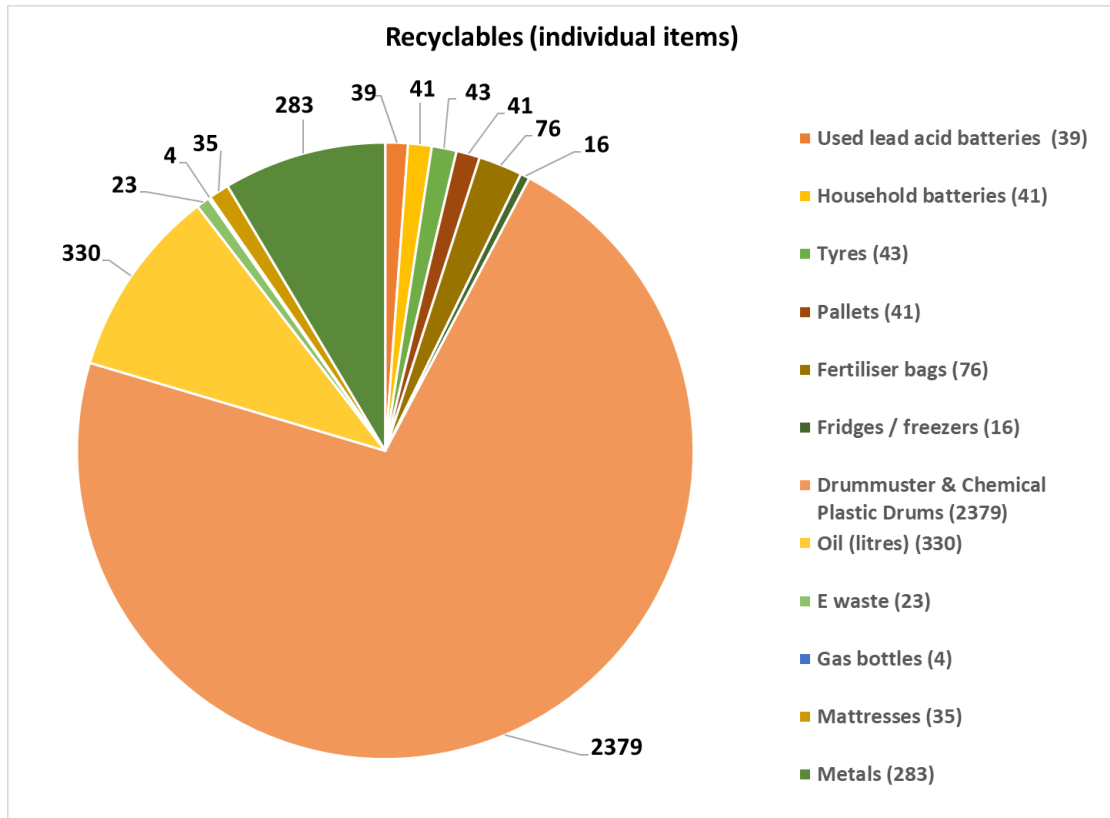
All transfer stations are currently operational. New iWeigh software has been implemented in the Kuranda and Mareeba Transfer Stations and new tablets for the other transfer stations have arrived and MSC IT have set them up and integrated them to enable operational requirements. The Tablets are now with the contractor for use at the remote transfer station sites.



**Recycling**

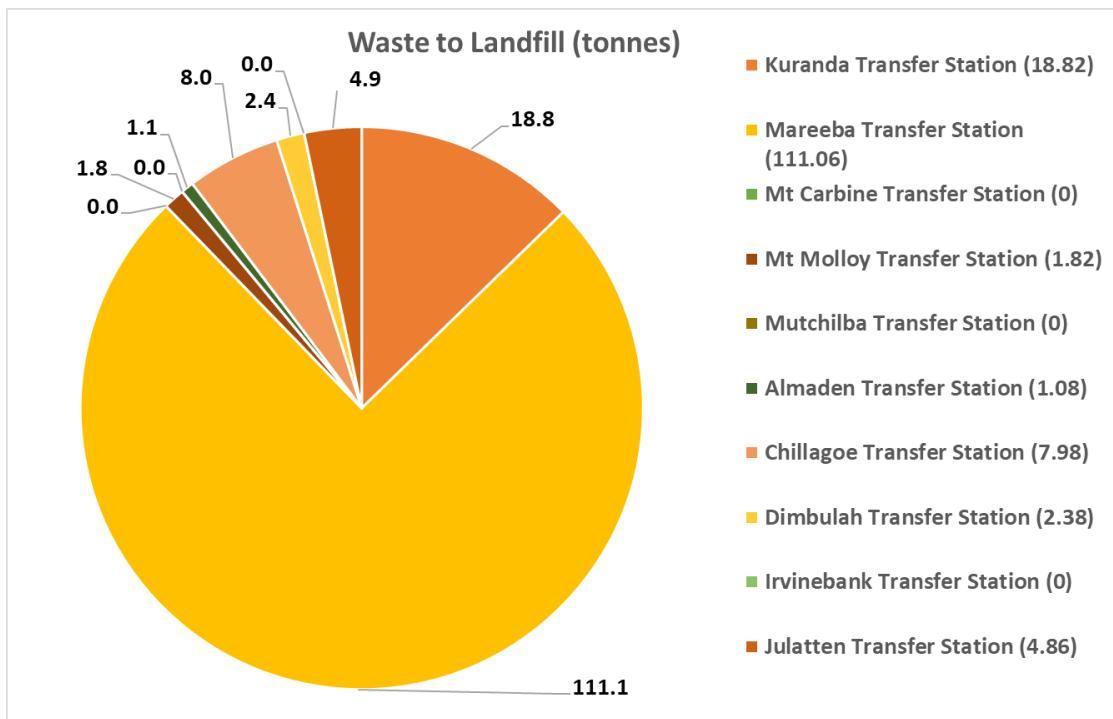
Waste material collected at each of the waste transfer stations are either deposited directly to the Springmount Waste Facility, recycled or transported to the SUEZ Advanced Resource Recovery Facility (ARRF) in Cairns for processing.





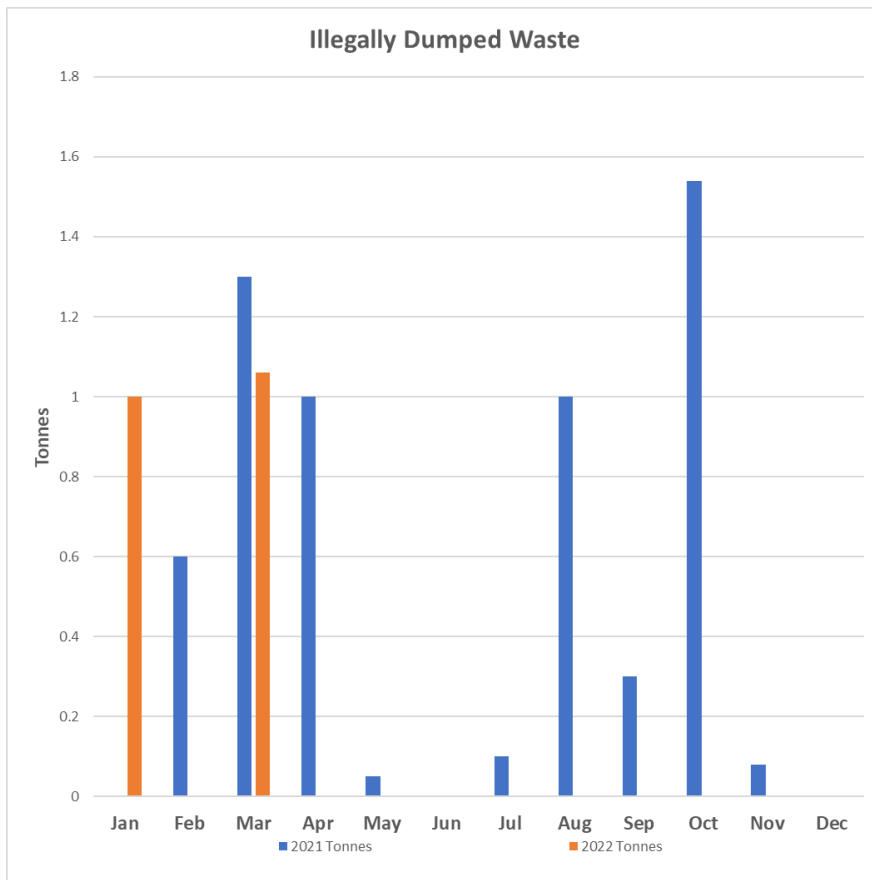
Waste to Transfer Station Mareeba

Transfer Station dry waste is transported off site to the Springmount Waste Facility.



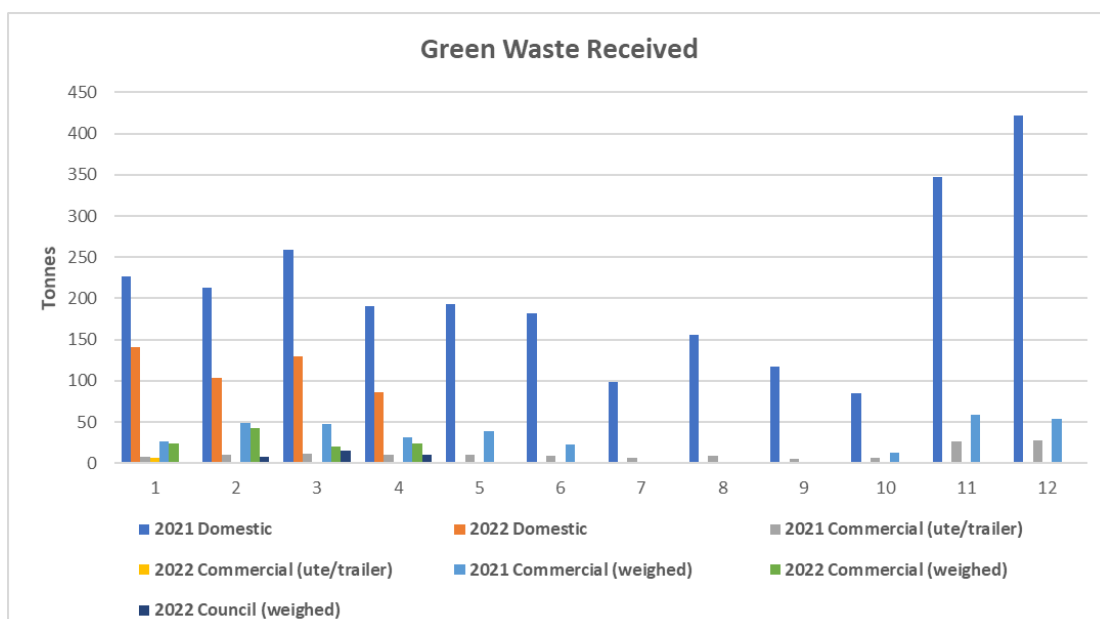
### Illegally Dumped Waste

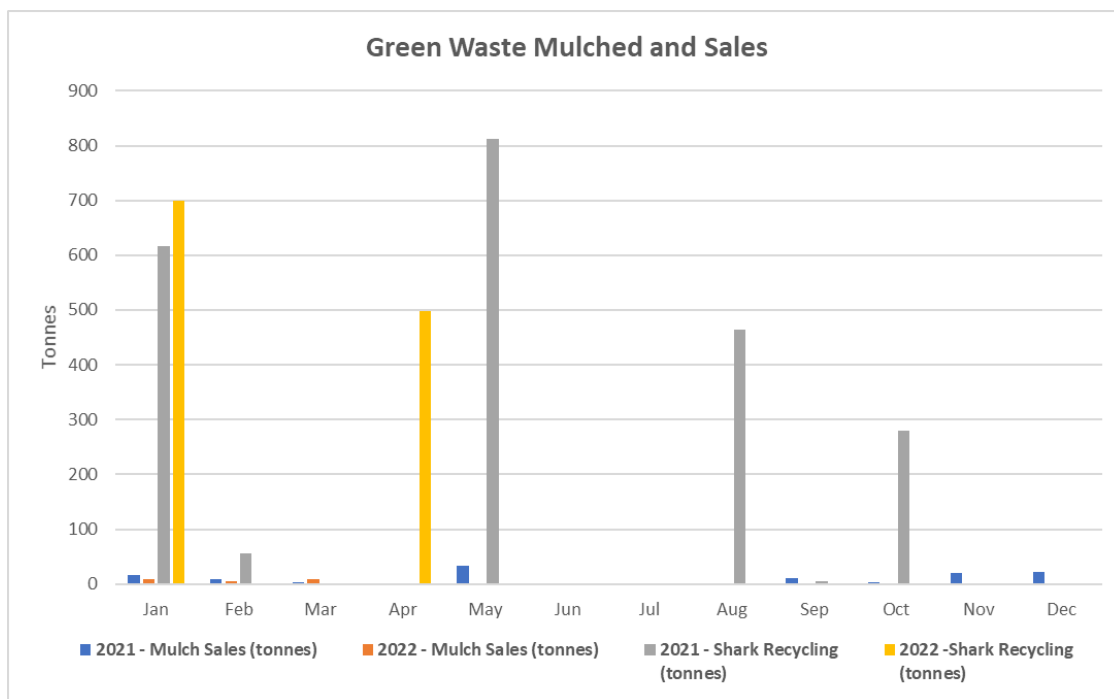
There was no illegally dumped waste recorded through Mareeba Waste Transfer Station during the month of April.



### Green Waste

Council received a total of 120 tonnes of green waste in the month of April. Green waste was again mulched late April with 497 tonnes of green waste put through the mulcher. It should be noted that with the introduction of the new data recording software, Mareeba and Kuranda are included in these figures as a total.





**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**

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.

**IMPLEMENTATION/COMMUNICATION**

Nil

**9.8 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - APRIL 2022****Date Prepared:** 3 May 2022**Author:** Manager Works**Attachments:** Nil**EXECUTIVE SUMMARY**

The purpose of this report is to summarise Council's Transport Infrastructure, Parks and Gardens, Bridge Maintenance, RMPC and Land Protection operational activities undertaken by Infrastructure Services during the month of April 2022.

**RECOMMENDATION**

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

**BACKGROUND****Transport Infrastructure**Road Maintenance Activities

The emergent works period of 90 days from the time of activation to undertake emergency repairs will close on 19 May. All roads within the shire are currently open and trafficable apart from Council's unsealed road network west of Trimble's Crossing on the Burke Developmental Road. This area is yet to be inspected for emergent repairs due to Trimble's Crossing remaining underwater. An extension of time will be requested from the Queensland Reconstruction Authority to undertake the inspections and repairs once access is possible.

Council's Annual Maintenance Grading Program has continued in the Bibbohra and Mareeba areas. Roads graded in April are as follows;

<b>Road</b>	<b>Location</b>
Pickford Road	Bibbohra
Spena Road	Mareeba
Davies Creek Road	Mareeba
Adler Hill Road	Mareeba
Kay Road	Mareeba
Rollinson Drive	Mareeba
Sabin Road East	Mareeba
Srhoj Road	Mareeba
Kovacic Road	Mareeba
Gilmore Road	Mareeba
Godfrey Road	Mareeba

In May and June the eastern grading crew will concentrate their efforts on grading the unsealed cane haulage roads in the shire in conjunction with the 2022 Cane Season.

Customer Requests

During the month of April, the Works Group received 117 Customer Requests (CRs) with 145 resolved (resolved requests include those received prior to April 2022). The table below shows the number of requests lodged per Works section for the month.

Month	Roads	Parks and Gardens	Pest Management
April	75	37	5

At the time of reporting, the Works Group had 85 open (unresolved) requests.

Bridges and Major Culverts

Maintenance and inspections were carried out on the following bridges, causeways and major culverts during the month of April.

Location	Area	Structure
Bilwon Road	Biboohra	Bridge
East Mary Road	Mt Carbine	Major Culvert
East Mary Road	Mt Carbine	Major Culvert
Anzac Avenue	Mareeba	Bridge
Hales Siding Road	Irvinebank	Bridge
Bolton Road	Koah	Bridge
Hurricane Road	Hurricane	Causeway
Hurricane Road	Hurricane	Causeway

TMR Routine Maintenance Performance Contract (RMPC)

During April, tractor slashing was completed on the Mareeba-Dimbulah Road and culvert inlet and outlet cleaning commenced on the Burke Developmental Road.

Pothole patching was undertaken on the Mulligan Highway, the Mossman-Mt Molloy Road and the Burke Developmental Road. Along with a 1km section of manual tree trimming either side of the Mossman-Mt Molloy and Clacherty Road intersection.

65m<sup>2</sup> of pavement repairs were carried out on the eastern approaches to Mareeba on the Kennedy Highway.

Parks and Open Spaces

Mowing, brush cutting, weeding and tree trimming formed the bulk of the activities undertaken by Parks and Gardens staff during April. Late wet season rain has ensured that the regular mowing and brush cutting will continue into the winter months.

Other points of note for the Parks and Gardens Section during April are:

- Nine (9) burials
- Mow and brush cut the JCU residence and the SES Depot
- Parks prepared for Anzac Day ceremonies
- Mow and brush cut the Mareeba Cemetery and Pioneer Cemetery

### Land Protection

**Parthenium Weed:** Inspections were carried out on 12 active sites known to Mareeba Shire Council. All landholders are complying with their biosecurity obligation. Officers will continue to monitor one (1) site every two (2) weeks with the other 11 every three (3) weeks.

**Gamba Grass:** Council's annual roadside spray program has continued this month, Land Protection staff are treating roadsides and table drains throughout the shire.

**Feral Pigs:** Landholders have been advised on baiting, shooting and trapping as suitable methods for controlling feral pigs. MSC have recently purchased two (2) pig traps that can be loaned to landholders where other control methods cannot be used.



### **FINANCIAL AND RESOURCE IMPLICATIONS**

#### ***Operating***

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

#### **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.

#### **IMPLEMENTATION/COMMUNICATION**

Nil