

9 INFRASTRUCTURE SERVICES

9.1 INFRASTRUCTURE SERVICES, CAPITAL WORKS MONTHLY REPORT - MARCH 2021

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Author: Director Infrastructure Services

Attachments:

1. [Capital Works Highlights - March 2021](#) [↓](#)
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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 March 2021.

RECOMMENDATION

That Council receives the Infrastructure Services Capital Works Monthly Report for the month of March 2021.

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 2020/21 Capital Works Program.

LINK TO CORPORATE PLAN

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

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Jum Rum & Jungle Walking Trail Rehabilitation

Program: Kuranda Infrastructure Fund

Background

Adjacent to the Kuranda Township, the Jum Rum and Jungle Walking Trails provide tourists and locals with an opportunity to experience the relaxed surrounds of the rainforest. Constructed circa 2000, the trails also now provide connection to the currently under construction Barron Falls Walking Trail.

The project was identified as part of the Kuranda Township Infrastructure Master Plan 2010-2020 (KTIMP10-20) and is funded through levies paid by Skyrail and Kuranda Scenic Rail to the Queensland Government under the Kuranda Infrastructure Program (KIP). This program has afforded Council the opportunity to undertake numerous improvements and enhancements that maintain the character of Kuranda and conserve the natural environment while providing the necessary infrastructure to cater for the needs of increased visitor numbers.

Scope of Works

The scope of works calls for the remediation of the asphalt surfaced Jum Rum and Jungle Walk walking trails which are nominally 1200-1500mm wide, built on a 100mm compacted gravel base layer. The trail is edged with recycled plastic board and has sections that include steps, boardwalk and bridge crossings that will restrict machinery access. Whilst the asphalt is still in reasonable condition varying degrees of cracking has occurred along the length of the path. The cracking due to the slumping of fill sections and the action of tree root growth over time.

Progress Update

Following significant weather impacts December - February, works on-site have recommenced.

Jum Rum Trail:

Works to complete the rehabilitation of Jum Rum Walking Trails are substantially complete and the trail is open to the public. The last significant piece of work is the replacement of a single span pedestrian bridge near Barang St, which is scheduled for completion in mid-May.

Jungle Walk:

Contour Works mobilised in mid-March, setting up at the amphitheatre carpark to commence preparatory works, including pressure cleaning the existing asphalt and cutting out damaged and lifted sections of path prior to the new asphalt overlay. Stone and concrete materials have been used to reinforce / remediate collapsed sections of the pathway edging.

**Infrastructure Services Capital Works Report
Project Highlights - March 2021**



Jungle Trail Ch.60 - Raised Damaged Section



Jungle Trail Ch.60 - Reprofiled Rectified



Jungle Trail - Refurbished edge stanchion & asphalt overlay



Jungle Trail - Section with old concrete steps removed



Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Mareeba Pound Upgrade

Program: Community Buildings (Works for Queensland)

Background

The existing Mareeba Pound has serviced the community as both Council's animal impoundment facility and animal refuge. A condition inspection identified that the structure has reached the end of its functional use and a new facility is needed. Funded through the Queensland Government's Works for Queensland Program, the project will provide for a modern facility that meets current standards for health and safety and animal welfare.

Scope of Works

The project provides for the construction of a dual-purpose facility capable of supporting both impoundment requirements of Council and an animal refuge/kennel. The scope of works for the project incorporates construction of a new building to the north of the current pound with associated fencing and roadworks. The existing facilities will be demolished at the completion of the new works.

Progress Update

Mindil completed the under-slab hydraulics, concrete ground slab and approximately 70% of the block work wall construction in March. While wet weather and material shortages have resulted in some delays to the progression of works, the contractor is working towards recovering lost time.



Blockwork nearing completion

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Cedric Davies Community Hub

Program: Community Buildings (LGGSP and Works for Queensland)

Background

Council is redeveloping the former Mareeba Bowls Club site to provide a new library, community hall, bowls clubhouse and covered bowling green in a combined facility to be named Cedric Davies Community Hub.

Funding has been received under the Queensland Government's Local Government Grants and Subsidies Program and Works for Queensland Program, in addition to the Australian Government's Local Roads and Community Infrastructure Program.

Scope of Works

The scope of works includes modifications to the main building and construction of a new clubhouse and synthetic covered bowling green with the project being delivered over three (3) stages.

The first and second stages of the project involved the design and construction of an improved Bowls Clubhouse Facility and the replacement of one (1) existing lawn green with an undercover synthetic equivalent. This work was completed in late 2020.

The third stage of the project involves the refurbishment of the existing main building to cater for community services and training activities, a space for community events and recreational activities and provide space for a modern multi-faceted library service.

Progress Update

Stage 3 of the project commenced in January 2021, with preparation and demolition works now complete. Refurbishment works including internal wall re-sheeting, internal / external painting is 80% complete. Electrical works, including partial rewiring of the building are 80% complete and mechanical installation is 90% complete with all works on schedule for completion in June.



Mechanical Plant installed



Partial internal paint

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Solar Power Projects

Program: Works for Queensland 4

Background

Council is installing solar panels and associated infrastructure to nine (9) Council-controlled locations across Mareeba Shire through funding under Works for Queensland:

- Dimbulah Swimming Pool
- Mareeba Swimming Pool
- Cedric Davies Community Hub
- Mareeba Sewage Treatment Plant
- Mareeba Water Treatment Plant
- Centenary Park Booster Pump
- Kuranda Water Treatment Plant
- Kuranda Aquatic Centre
- Granite Creek Pump Station

By installing solar power at these sites, Council will save significant electricity costs by transitioning around 31% of the sites' energy usage to renewable energy, thereby substantially reducing Council's carbon emissions.

Scope of Works

The scope of works include design, supply, installation and commissioning of solar panels at the selected sites.

Progress Update

The tender was awarded to local contractor, FNQ Solar Solutions (Brad Owens Electrical) in December 2020. While wet weather presents some construction difficulties, works are progressing well.

Completed Works

The following projects are completed and in operation:

- Dimbulah Swimming Pool (January 2021)
- Kuranda Aquatic Centre (January 2021)
- Granite Creek Pump Station (January 2021)
- Mareeba Swimming Pool (February 2021)
- Centenary Park Booster Pump (March 2021)
- Mareeba Sewage Treatment Plant (March 2021)

In Progress

Mareeba Water Treatment Plant: The contractor has had a delay with the delivery of some fixtures which are expected to be received by the end of April with installation starting in early May.

Cedric Davies Community Hub: Installation of the panels has been completed; however, contractor is waiting on the installation of the switchboard as part of the fit out works to complete connection.

**Infrastructure Services Capital Works Report
Project Highlights - March 2021**



Kuranda Water Treatment Plant: Delivery of the steelwork for the structure over the clarifier tank is scheduled for late April with installation of the solar panels being carried out early May.



Centenary Park - Completed solar structure and panels



Mareeba Swimming Pool - Completed installation on Swimming Club Roof



Mareeba Sewage Treatment Plant - Completed works



Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Toilet Facility Refurbishments

Program: Community Buildings

Background

Council is undertaking upgrades to the existing toilet facilities at Mt Molloy, Mary Andrews Garden Park and Centenary Park as part of an improvement programme over the next few years to update public restroom facilities throughout the Shire.

Scope of Works

The scope of works includes upgrading/replacing fixtures, installation of new flooring, painting walls both internal and external and other improvements required.

Progress Update

The toilet block at Mary Andrews Garden Park has been painted internally and externally, changing the bright blue walls to a more neutral colour. The sinks have been replaced and cisterns repaired to complete the maintenance works. A mural will be painted on the back wall of the toilet block which should be completed by mid-June.



Mary Andrews Garden Park

New flooring has been installed to the toilets in Mt Molloy. All internal walls and doors painted, replacement of sinks, mirrors and toilet roll holders completed.



Mt Molloy Toilets

**Infrastructure Services Capital Works Report
Project Highlights - March 2021**



Works to Centenary Park are still underway. The interior has been repainted, sinks and cisterns replaced, and gates repaired. Painting to the exterior will be carried out at the end of April following the removal of the garden bed. A new concrete pathway will be installed around the perimeter of the building with dates for these works yet to be finalised.



Centenary Park Completed Internal Works



**Infrastructure Services Capital Works Report
Project Highlights - March 2021**



Project Name: Chillagoe Critical Water Infrastructure Project (Reservoir Replacement)

Program: Water

Background

The purpose of the project is to replace the two (2) existing steel Chillagoe Town Drinking Water Reservoirs with a larger concrete reservoir and significantly increase the usable holding capacity from 190KL to 500KL. The higher capacity reservoir will be cyclone rated to current standards, provide adequate fire-fighting capacity and significantly increase the potential drinking water storage capacity, strengthening this remote and vulnerable community's resilience in a disaster situation.

This project is co-funded through the Queensland Government's Building our Regions (BOR) Program and the Australian Government's Building Better Regions Funding Program (BBRF).

Scope of Works

The works include demolition of the two (2) steel existing reservoirs and construction of a new concrete reinforced reservoir and all associated pipe work, electrical, SCADA and telemetry connections. Works also include clearing, site earth works, construction and testing and commissioning of the new reservoir, reinstatement, clean up and restoration of the site.

Progress Update

Civform completed construction of the new footpath surrounding the reservoir tank and installation of the new retaining wall. There has been a slight delay with the steelwork for the roof, however delivery is scheduled for next week with electrical installation scheduled for the third week of April.



New Concrete Path around Reservoir



Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Rankin Street West - Water Main Upgrade

Program: Water

Background

An allocation in the 2020/21 Capital Works Program has been provided to replace failed existing asbestos cement (AC) water mains throughout the Shire. Replacement of the failed existing asbestos cement (AC), cast iron and PVC water main on Rankin Street West is being undertaken as part of this program to maintain ongoing water supply for properties on Rankin Street between Frew Street and the Chewko Road roundabout. This section of water main was identified for replacement following numerous main breaks occurring in the past few years.

Scope of Works

The scope of works includes replacement of the existing water main with Ductile Iron (DICI) pipe work, in addition to new service connections, valving and hydrants.

Due to the construction and new alignment of the water main, 280 metres of the sewer main, which is part of the Mason Road Sewer Main Upgrade Project will need to be completed simultaneously as this section of the sewer main will need to run under the water main in sections.

Progress Update

Works are continuing with installation of the sewer main and water main completed from the Chewko Road roundabout to Strattman Street intersection by the end of March. The project is scheduled for completion in May.



Construction and installation of the new 300mm ductile iron water main and cut-in and valve arrangement at the Rankin Street and Chewko Road intersection.

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Kuranda Water Treatment Plant Clarifier Upgrade

Program: Water

Background

An allocation in the 2020/21 Capital Works Program has been provided to refurbish the clarifier and associated equipment at the Kuranda Water Treatment Plant. The clarifier is an integral part of the water treatment process, settling and removing suspended solids from the raw water prior to filtration.

Scope of Works

The scope of works includes refurbishment/replacement of the trolley assembly, scraper arms, flocculator, drive bridge and access platforms to the clarifier at Kuranda Water Treatment Plant.

Progress Update

The clarifier trolley assembly and scraper arms were installed during March with completion of works expected approximately mid to late April.



Clarifier trolley assembly



Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Kuranda Water Treatment Plant Filtration System Blowers Upgrade Project

Program: Water

Background

An allocation in the 2020/21 Capital Works Program has been provided to upgrade the Kuranda Water Plant filtration system blowers and associated equipment. The blowers provide additional, controlled air flow for operation of various functions in the treatment process.

Scope of Works

The scope of works includes upgrading and replacement of the aged blowers and associated equipment.

Progress Update

The new blowers were installed and commissioned during March.



Newly installed rotary lobe blowers



Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Mareeba Water Treatment Plant Clarifier Condition Assessments

Program: Water

Background

An allocation in the 2020/21 Capital Works Program has been provided to carry out condition assessments on the clarifiers at Mareeba Water Treatment Plant. The clarifiers are an integral part of the treatment process, removing suspended solids from the water.

Council adopted the Mareeba Water Strategy in November 2020, which included the recommendation for Council to invest in renewal and upgrades to the Mareeba Water Treatment Plant. A detailed condition assessment of the clarifiers will help to determine the timing and scope of future upgrades to these components.

Scope of Works

The scope of works includes concrete core drilling, packing of cores and laboratory testing of the concrete cores that were removed to determine the condition of the concrete.

Progress Update

The on-site initial findings indicate the concrete structures of the two (2) existing clarifiers are that they are sound and will potentially provide a further 50 years of service. Once the results are returned from the testing process on the core samples a definitive report on the clarifiers will be prepared for Council.



Clarifier No1

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Railway Avenue, Mareeba - RV and Car Parking Upgrade

Program: Parking Facilities

Background

Council is transforming the southern section of Railway Avenue, Mareeba and Queensland Rail land within the former freight depot to accommodate additional parking spaces, including designated parking for RV travellers. Located in the heart of the CBD, the new parking precinct will have a free 8-hour limit, giving those who work in the CBD a choice for parking in town.

The project is jointly funded by Council and the Queensland Government's Transport and Tourism Connections Program.

Scope of Works

The scope of works includes demolition of concrete slabs and kerbing, pavement construction, road resurfacing, kerbing and line marking. The project will also include installing solar lights in the area to improve community safety.

Progress Update

Work on site commenced 15 February 2021. The site has been cleared, the stormwater drainage system has been installed, the centre median kerb has been laid, subgrade treatment has been completed and base layer gravel is being imported and placed.

Wet weather has caused some delays, but it is anticipated that the original estimated construction time can still be met and the project will be complete by late May.



Wet Weather Impacts



Stormwater System Installation



Root Guard Installation



Median Kerb

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: 2020/21 Reseal and Asphalt Program

Program: Rural and Urban Roads

Background

Council undertakes an annual bitumen reseal and asphalt program in order to maintain its road network to a suitable standard. Bitumen resealing and asphalt resurfacing prevents moisture from penetrating through deteriorated bitumen and asphalt seals into the underlying pavement, protecting Council's roads from damage such as rutting and potholes.

Scope of Works

The following road sections and Council-controlled car parks have been programmed for bitumen resealing during the 2020/21 financial year:

Locality	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Width (m)	Area (m ²)
Kuranda	Arara Street	20	90	70	12.6	882
Kuranda	Arara Street	90	111	21	13.6	286
Kuranda	Arara Street	111	126	15	11.2	168
Kuranda	Arara Street	126	227	101	8.5	859
Kuranda	Arara Street	227	252	25	9.5	238
Kuranda	Arara Street	252	306	54	5.2	281
Kuranda	Arara Street	306	327	21	7.3	153
Kuranda	Arara Street	327	540	213	10	2130
Kuranda	Arara Street	540	551	11	7.5	83
Kuranda	Arara Street	551	578	27	14	378
Kuranda	Arara Street	578	605	27	10.5	284
Kuranda	Barnwell Road	0	40	40	7.88	315
Kuranda	Barnwell Road	40	565	525	5	2625
Kuranda	Barnwell Road	565	660	95	5	475
Kuranda	Barron Falls Road	0	54	54	8	432
Kuranda	Barron Falls Road	375	420	45	6.2	279
Kuranda	Barron Falls Road	420	470	50	6.2	310
Kuranda	Barron Falls Road	470	720	250	5.8	1450
Kuranda	Barron Falls Road	720	760	40	14.2	568
Kuranda	Barron Falls Road	760	910	150	6.2	930
Kuranda	Barron Falls Road	910	943	33	7.7	254
Kuranda	Barron Falls Road	943	965	22	7.4	163
Kuranda	Barron Falls Road	965	1120	155	5.6	868
Biboohra	Bilwon Road	1700	2160	460	5.8	2668
Biboohra	Bilwon Road	2160	2275	115	8.4	966
Dimbulah	Caravan Park Access Road	N/A	N/A	N/A	Varies	2312
Mareeba	Cardwell Close	0	15	15	8.2	123
Mareeba	Cardwell Close	15	65	50	5.3	265
Mareeba	Cardwell Close	65	90	25	19.2	480
Julatten	Carr Road	35	186	151	3	453
Julatten	Carr Road	201	257	56	4.2	235

Infrastructure Services Capital Works Report Project Highlights - March 2021



Locality	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Width (m)	Area (m ²)
Julatten	Carr Road	257	331	74	3.8	281
Julatten	Carr Road	331	403	72	3	216
Julatten	Carr Road	423	830	407	3	1221
Mareeba	Cedric Davies Community Hub Car Park				Varies	4600
Julatten	Clacherty Road	30	784	754	6	4524
Julatten	Clacherty Road	784	1080	296	5.6	1658
Julatten	Clacherty Road	1080	1170	90	6	540
Julatten	Clacherty Road	1170	1295	125	5.6	700
Kuranda	Kuranda Rec Centre Car Park				Varies	2176
Mareeba	La Spina Road	26	696	670	7	4690
Mareeba	Leagues Club Car Park				Varies	3300
Mareeba	Leonardi Road	0	15	15	6	90
Mareeba	Leonardi Road	15	240	225	4.9	1103
Mareeba	Leonardi Road	240	300	60	6	360
Mareeba	Leonardi Road	300	390	90	4.5	405
Mareeba	Malone Road	50	640	590	7.2	4248
Mareeba	Malone Road	5546	5742	196	3	588
Mareeba	Malone Road	6067	6390	323	3	969
Mareeba	Mareeba Cemetery Access	0	268	268	7.1	1903
Mareeba	Mareeba Cemetery Access	0	214	214	5.1	1091
Mareeba	Martin Av	1037	1084	47	9.1	428
Mareeba	Martin Av	1084	1136	52	9.17	477
Mareeba	McGrath Road	0	14	14	13.6	190
Mareeba	McGrath Road	14	38	24	8.5	204
Mareeba	McGrath Road	52	115	63	7.5	473
Mareeba	McGrath Road	115	472	357	6.5	2321
Mareeba	McGrath Road	472	835	363	6.2	2251
Kuranda	Oak Forest Road	966.4	1100	133.6	6.6	882
Kuranda	Oak Forest Road	1100	1180	80	7.2	576
Kuranda	Oak Forest Road	1180	1302	122	6.6	805
Kuranda	Oak Forest Road	1302	1477	175	7	1225
Kuranda	Oak Forest Road	1477	1508	31	6	186
Kuranda	Oak Forest Road	1508	1554	46	8.5	391
Kuranda	Oak Forest Road	1554	1615	61	7.2	439
Kuranda	Oak Forest Road	2420	2630	210	7.2	1512
Kuranda	Oak Forest Road	2630	2740	110	11.3	1243
Mareeba	Seary Road	52	114	62	4.6	285
Mareeba	Seary Road	114	145	31	11.5	357
Mareeba	Seary Road	145	444	299	9	2691
Mareeba	Seary Road	444	676	232	8.7	2018
Mareeba	Seary Road	676	706	30	7.5	225
Mareeba	Soccer Club Access				Varies	1154
Mareeba	Studt Road	140	390	250	3	750
Dimbulah	Swimming Pool Access				Varies	1335
Mareeba	Tennis Court Car Park				Varies	1505

Infrastructure Services Capital Works Report Project Highlights - March 2021



Progress Update

All programmed reseals have been completed with the exception of the Cedric Davies Community Hub. It is anticipated that the car park will be available for resealing late May. The asphalt overlays will commence in Mareeba late April and discussions are being held with the contractor regarding the timing of the overlay work at the Rankin Street/Chewko Road roundabout (ie night work or June school holidays).

Quotations for the line marking work close on 10 April 2021.



Kuranda Recreation Centre



Barron Falls Road, Kuranda



Arara Street, Kuranda



Barnwell Road, Kuranda



Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Wolfram Road, Dimbulah - Road Widening Package 1 (Ch 7255 - Ch 8125)

Program: Rural Roads

Background

Various sections of Wolfram Road, Dimbulah are single lane width bitumen seal and are prone to edge wear and edge drop. Commercial traffic using Wolfram Road has increased from 5.6% in 2008 to 15.4% in 2020. A wider sealed road will improve road safety, provide transport efficiencies and cater for increased traffic volumes, particularly for the agricultural sector.

Scope of Works

The scope of works includes the widening of approximately 870 metres of Wolfram Road starting west of the Centis Road intersection, from Ch 7255 to Ch 8125 to a sealed width of 7.5m. As part of the project, existing culverts are being extended to cater for the wider road, several headwalls will be replaced, and existing table drains, and cut-off drains are being cleaned and re-shaped.

Progress Update

Work on site commenced 3 February 2021. At the time of reporting clearing and grubbing and all culvert replacements and extensions had been completed in Package 1 and 2 (future stage) along with drainage works. The earthworks and shoulder build-up and installation of base gravel had been completed in Package 1 and this section is programmed to be sealed 8 April 2021 weather permitting. Rain has affected progress but it is anticipated that the original completion date of late April can still be achieved.



Clearing and Grubbing



Shoulder Build-up



Subsoil Drainage



Base Layer Installation

Infrastructure Services Capital Works Report Project Highlights - March 2021



Project Name: Mount Molloy Centre Islands Replace Irrigation and Kerbing

Program: Parks and Gardens

Background

An allocation in the 2020/21 Capital Works Program has been provided to replace kerbing and irrigation in the centre median islands on Main Street Mt Molloy which were in poor condition.

Scope of Works

The scope of works includes the demolition and removal of the deteriorated sections of kerb, the installation of a maintenance kerb, replacing the irrigation, removing poorly performing or inappropriate vegetation and planting new trees.

Progress Update

Works commenced 23 March and the replacement of the failed kerbing and maintenance kerb has been complete. The irrigation will be upgraded and vegetation works will be undertaken over the coming months when resources are available. Council officers have selected trees to be planted based on advice from the local community representative group (JAMARR).



Failed Kerbing



Preparation for Maintenance Kerb



Completed Replacement of failed Kerb



Completed Maintenance Kerb

Infrastructure Services Capital Works Summary Report - March 2021

Project Description	Project Stage	Progress Comment
Program: 01 Rural and Urban Roads Reseal Program (Renewal)		
2020/21 Reseal & Asphalt Program	Construction	All programmed re-seals complete apart from Cedric Davies Community Hub car park. Latest advice is the car park will be available for re-sealing late May. Line marking quotations close 10 April. Asphalt overlays commence in Mareeba in late April. Discussions being held with contractor about timing of the overlay work at Rankin/Chewko roundabout (night works or June school holidays).
Program: 02 Gravel Resheet		
2019/20 Gravel Resheet	Construction	Further resheeting works will be done after 2020/21 wet season.
2020/21 Gravel Resheet	Not Commenced	To be programmed after 2020/21 wet season.
Program: 03 Urban Streets		
Design Program - design forward works	Planning	Planning, investigation and design of future projects.
Program: 04 Rural Roads		
TIDS Euluma Creek Road, Julatten - Rehabilitate and widen Ch. 5.565 - 6.343	Construction	Drainage and culvert widening works complete. Remainder of the project will be constructed after the 2020/21 wet season. Currently programmed to commence after Railway Avenue Project is complete.
R2R Wolfram Road, Dimbulah - Priority Sections Safety Widening - Stage 1	Construction	Stage 1 (current) & Stage 2 (future project): culvert replacements and extensions complete; shoulder build and drainage complete. Base layer on Stage 1 complete (735m). Stage 1 sealing on 8 April weather permitting. Project on time and budget.
LRCIP - Speewah Road, Speewah - Rehabilitate pavement Ch. 0.345 to 0.5 and refurbish bus shelter	Design	Draft design under review. Project will commence after Wolfram Road Stage 1. Estimated to be late April 2021.
DRFA Betterment Co-contribution	Construction	Shanty and Clacherty Road sites awarded, construction to occur after the wet season. Fossilbrook Crossing awarded, construction to commence after the wet.
Fallon Road, Kuranda - Rehabilitate Pavement, Ch 0.874 - 0.948	Planning	Rectification works subject to a QRA submission January 2021 event.
Program: 05 Bridges		
LRCIP Hodzic Road, Oakey Creek, Biboohra - Replace girders	Planning	Programmed for April 2021.
LRCIP Renew Major Culvert, Pin Road Mutchilba	Planning	Programmed for May 2021.
Hales Siding Road - Replace Timber Bridge	Procurement	Council at its meeting of 17 February 2021 resolved not to award the contract. Works to be programmed for delivery in-house after 2020/21 wet season.
Kanervo Road - Replace Timber Bridge over Davies Creek	Procurement	Council at its meeting of 17 February 2021 resolved not to award the contract. Design being reviewed and works to be programmed for delivery in-house after 2020/21 wet season.
Program: 06 Drainage		
2020/21 Minor Culvert Renewal Program	Not Commenced	To be programmed
LRCIP Amaroo Drainage Improvement - Stage 1 of 3	Design	Project may be completed by contractor due to current MSC workload and approaching funding acquittal dates.
Program: 08 Parking		
TTC - Railway Avenue, Mareeba - New Carpark	Construction	Stormwater system completed, centre median installed, select fill imported and subgrade preparation finished. Commenced laying base gravel 7 April. Project currently on time and budget
Program: 09 Footpaths		
Footpath Renewal (All localities)	Construction	Works will commence to replace cracked & damaged sections of footpath on Anzac Avenue 19 April.
STIP - Mt Molloy Footpaths	Construction	Works commenced adjacent to Mt Molloy State School 6 April. First concrete pour planned for 14 April, second pour on 15 April.
Program: 10 Parks and Gardens		
Shire Beautification Program	Construction	Weather permitting, contractors will return late April to complete the vegetation thinning at the lower Bi-Lakes. Soft ground conditions have caused a delay in the completion of this project with approximately 5 days' work remaining.
Kuranda CBD Renew Irrigation & Planting	Construction	Ongoing. This budget is used on an 'as required basis' for the continual upgrade of irrigation and plants in Coondoo Street.
Bi-Centennial Lakes - seed funding	Not Applicable	No grants identified as yet.

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Project Description	Project Stage	Progress Comment
Mt Molloy Centre Islands, Replace irrigation and kerbing	Construction	Project commenced 23 March. Maintenance kerb installed, damaged kerb replaced, all backfilled. Kerb painting, select tree removal and replanting done in the coming months.
Program: 11 Water		
Chillagoe - Replace existing water reservoirs	Construction	Project construction progressing well despite minor impacts of inclement weather.
Warril Drive, Kuranda - New water main and booster	Construction	Contract awarded to fgf. Works to commence in April 2021. Traffic management plan being finalised for localised road closures during construction .
Kuranda Water Treatment Plant - Replace backwash blowers	Construction	Equipment has arrived, inclement weather causing minor delays on installation.
Kuranda Water Treatment Plant - Replace clarifier bridge scraper	Construction	Project progressing well and due for completion end of April.
SCADA Cybersecurity Upgrade	Construction	Major equipment parts have arrived with installation program to be completed by end of June.
Mareeba and Kuranda Water Treatment Plans - raw water pumps upgrade	Design	City Water Technology working on this project have attended site to commence planning for upgrades.
Mareeba Water Treatment Plant - Based on a successful trial of new turbidity meters, implement automated backwash on high turbidity	Design	City Water Technology working on this project have attended site to commence planning for upgrades.
Mareeba, Kuranda and Dimbulah Water Treatment Plants - Replace chlorine analysers	Procurement	Quotes sourced and purchase order to be issued.
Mareeba Water Treatment Plant - filter 3 Install dedicated backwash pumps and reconfigure wash water feed pipes	Design	Project pending outcome of grant application for new filter block
Chillagoe Water Treatment Plant - Install conductivity meter on raw water transfer line, trend conductivity on SCADA	Construction	New conductivity meter installed and needs to be wired into plant and configured into SCADA.
Install a static mixer and injection quill for ACH dosing - Kuranda	Construction	Equipment has arrived and will be installed as soon possible, currently there has been wet weather delays.
Rankin Street West - Water main replacement and upgrade	Construction	Project underway and progressing well.
Mason Road, Kuranda Booster Pump Station Generator 30KVA	Construction	Generator installed and awaiting electrical connection.
Kuranda Water Treatment Plant - Overhaul Sedimentation Tank	Construction	Works well underway and expected to be completed by end of April or early May.
Telemetry/SCADA Upgrades	Procurement	Equipment on order with some arriving. Equipment to be installed and commissioned by Council's contractor prior to end of June.
Valve Replacement Program (Reticulation)	Construction	Works underway and will be progressively done over the coming months.
Mareeba Water Treatment Plant - Coagulation mixing renewal	Design	Working with City Water Technology for the implementation of this project, in conjunction with the new backwash system they are designing.
Mareeba Water Treatment Plant - Clarifier condition assessment	Design	Working with City Water Technology and concrete core testing completed. Awaiting detailed report.
Mareeba Water Treatment Plant - Optimise clarifier performance upgrade	Design	Working with City Water Technology for the implementation of this project, in conjunction with the new backwash system they are designing.
Mareeba Water Treatment Plant - Backwash operation renewal	Design	Working with City Water Technology for the implementation of this project.
Hydrants Renewal Program	Construction	Work is underway in conjunction with the hydrant maintenance program and it is anticipated the work will be completed this financial year.
Fraser Road Mt Molloy Water Main Upgrade	Construction	Project almost completed, just finishing tidying up a few areas which has been delayed by wet weather.
LER - Chillagoe Bore & Water Main Construction	Design	Tenders invited from 27 March 2021 and close on 27 April 2021.
Program: 12 Wastewater		
2019/20 Mareeba Sewer CCTV & Relining Program	Construction	House connection branches in the Kenneally Estate area substantially complete. Remaining works to be delivered as part of 2020/21 relining program.
Minor sewerage station H2S protection	Completed	Major contractual component of the project completed with ancillary works almost completed.

Infrastructure Services Capital Works Summary Report - March 2021

Project Description	Project Stage	Progress Comment
Telemetry/SCADA Upgrades	Procurement	Orders issued to SCADA engineering so works can begin working in conjunction with other telemetry projects for this financial year.
2 x New standby generators for 2 priority pump stations	Completed	Generators installed and waiting on electrical contractor to do undertake connection
2020/21 Mareeba Sewer CCTV & Relining Program	Construction	Contractors commenced works on Monday 18 January with expected three (3) month schedule of work to be done.
2020/21 Manhole Rehabilitation and Replacement Program	Construction	Project out to tender less the works that have already been completed.
Kuranda Wastewater Treatment Plant - Replace Clarifier Bridge Drive	Construction	Works to commenced late February with an eight week works program.
Kuranda Wastewater Treatment Plant - Replace SMBS Dosing Pumps	Procurement	Quotes sourced and new pumps are now on order.
Mareeba Wastewater Treatment Plant - Aeration diffusers every 5 years	Procurement	Equipment ordered, long lead time on delivery as the ordered goods come from the USA.
Mareeba Wastewater Treatment Plant - Inline instruments component replacements	Completed	Completed March 2021.
Renew Mareeba and Kuranda Wastewater Reticulation Pumps	Construction	Myola 1 & 2 SPS pump arrived and installed.
SCADA Cybersecurity Upgrade	Construction	Major equipment parts have arrived with installation program to be completed by end of June.
LER - Mason Street Sewer Main Upgrade	Procurement	Contract awarded to fgf Developments late March with works programmed to be completed by June 2022.
Program: 13 Waste		
Connect Kuranda Waste Transfer Station to Ergon	Completed	Completed March 2021.
Kuranda Waste Transfer Station - Reserve firefighting water tank/bore	Completed	Completed March 2021.
Program: 15 Fleet		
GPS Vehicle Management System	Planning	Alternative Scope of Works under consideration.
Replace Unit 625 Mitsubishi Truck	Construction	Vehicle with fabricator, potentially ready mid/late April.
Replace Unit 620 Mitsubishi Dual Cab Tipper	Completed	Completed March 2021.
Replace Isuzu Prime Mover Unit 681	Construction	Awaiting confirmation of delivery from supplier, delays with fabrication/shipping due to COVID.
Replace Unit 6 Komatsu Grader	Completed	Grader received, workshop undertaking review. Minor modifications still required.
Replace Unit 5432 Sewerage Jet Rodder trailer with a hydro vac truck	Procurement	Suitable unit being sought, timeline dependant on auction availability.
Program: 16 Depots and Council Offices		
Rankin Street Office - Upgrade lighting	Completed	Completed December 2021.
Kuranda Depot - Install hardstand and improve drainage	Planning	Quotes to be sought, works to commence after wet season.
Rankin Street Office - Minor refurbishments	Completed	Quotations received and assessments underway.
Program: 17 Community Buildings		
Kuranda Rec Centre - Refurbishment	Completed	Building Certifier to review building to ascertain final elements for completion.
Cedric Davies Community Hub	Construction	Mechanical works 90% complete, internal painting commenced 31 March and to be completed early April. Project program on schedule.
Mareeba Swimming Pool Heater	Completed	Works completed in conjunction with Solar Project. Solar Heating system removed from Gymnastics Club, roof checked and repaired, gutters cleaned.
Koah Tennis Court - Remove/replace the unstable timber light poles	Not Commenced	Application by Koah Community Group to build a large undercover facility has been received. Lighting project on hold awaiting outcome of this proposal.
Toilet Facility Refurbishments	Construction	<u>Mt Molloy</u> : All works completed March 2021. <u>Mary Andrews Garden</u> : All works completed March 2021. <u>Centenary Park</u> : All internal works completed March 2021. Exterior to be painted at the end of April. New concrete path to be priced by available contractors.
Mareeba, Dimbulah and Kuranda Aquatic Facilities - Remote monitoring upgrade for all swimming pools	Construction	Swimplex requested to provide update on delivery timeline. Initial delays due to COVID.
Mareeba Leagues Club roof repairs	Planning	Works to commence on 15 April 2021. Submitted program of works schedule practical completion 12 May 2021.

Infrastructure Services Capital Works Summary Report - March 2021

Project Description	Project Stage	Progress Comment
Kuranda Community Precinct replace old iron louvres & replace gutters and roofing	Completed	Completed March 2021.
Remove Mareeba Swimming Pool Heating and repair damage to gymnasium hall roof	Completed	Solar blanket has been removed from roof and repair works are being undertaken.
LRICIP Irvinebank Public Amenities Refurbishment	Construction	All painting and flooring works completed. MSC builder to install new signage by mid-April.
Program: 18 Non-Infrastructure Items		
Kuranda New Cemetery	Planning	Specification Draft complete, tender to be called mid April for the development of concept design.
DRFA Flood Warning Infrastructure Network MbaSC.0016.1819E.FWI - River Gauge (Biboohra)	Planning	Location has been selected and sent to QRA for entry into the tender submission. Tender release date has been delayed due to late submissions from other Councils.
DRFA Flood Warning Infrastructure Network MbaSC.0018.1819E.FWI - Rain Gauge (7 locations)	Planning	Locations have been selected and sent to QRA for entry into the tender submission. Tender release date has been delayed due to late submissions from other Councils.
Program: 20 KIAC		
KIAC - Therwine Street Redevelopment Stage 2	Completed	Contractor has returned and completed their defects in March 2021.
KIAC - Barron Falls Walking Track Phase 2	Completed	Budget forecast revised due to bridge repairs. QPWS delaying handover and opening after imposing additional conditions. Council officers negotiating an outcome.
KIAC - New Wayfinding Signage	Construction	Signage components received 22 March. Installation to commence in late April/May.
KIAC - Jum Rum Creek Walking Track Rehabilitation	Construction	Jum Rum Trail refurbishment complete. Barang St Bridge Replacement: Fabrication and installation scheduled to be complete late April/ early May.
KIAC - Jungle Walking Track Rehabilitation	Construction	Weather delays post-Christmas. Jungle Walk refurbishment commenced. Expected completion end of April early May.
Program: 23 W4Q3 - Works for Queensland 3		
W4Q3 Lerra Street Kerb & Drain Improvements	Construction	Works commenced 22 March 2021. Unsuitable material removed, select fill placed, cul-de-sac at subgrade level. K&C to be installed mid-April 2021, weather permitting.
W4Q3 Footpath Renewal All localities	Construction	Works will commence to replace cracked and damaged sections of footpath on Anzac Avenue on 19 April.
W4Q3 Mareeba Pound Upgrade Pound/Facility	Construction	Block work commenced and due to be completed in early April to enable installation of roof.
W4Q3 Rankin Street Office Air-conditioning Replacement and Refurbishment	Construction	Air conditioning completed. Design for refurbishments completed and delivery timeframe being confirmed.
Program: 24 W4Q4 - Works for Queensland 4		
W4Q4 Bicentennial Lakes Solar Lighting	Procurement	Solar lights to be ordered in April.
W4Q4 Dimbulah Hall replace linoleum flooring	Construction	The flooring and cabinetry purchase orders have been issued to the contractor. Awaiting manufacture of cabinetry to complete works. Expected completion at the end of April.
W4Q4 Riverside Caravan Park refurbish shower amenity block	Planning	Quotes received, source of funds to be confirmed.
W4Q4 Dimbulah Caravan Park refurbish dongas and front office facilities	Procurement	Purchase order issued to the contractors for flooring and cabinetry work. Design is being finalised for the cabinetry. Manufacturing will take 4 weeks on completion of design.
W4Q4 Dimbulah Swimming Pool refurbish kiosk	Procurement	Purchase order has been raised for the flooring and cabinetry works. Design to be finalised for approval. Following approval, cabinetry will take 4 weeks to manufacture.
W4Q4 Refurbish Kuranda Recreation Centre Hunter Park	Planning	Structural Engineer engaged, certification requirements expected to be known by mid April, works to be completed May.
W4Q4 Dimbulah Hall and Shire Hall Park electrical capacity upgrade	Procurement	One quotation received for the works. Another quote to be provided by a second contractor early April.
W4Q4 Dimbulah Swimming Pool Solar	Completed	Connection made via Ergon. Works complete onsite January 2021.
W4Q4 Mareeba WWTP Solar	Completed	New solar panels installed and security fence erected. Finalising the final account for the job but all works completed.
W4Q4 Mareeba Swimming Pool Solar	Completed	All works completed February 2021. Roof to the gymnasium has been repaired.
W4Q4 Mareeba WTP Booster Pump Solar	Completed	Works completed March 2021.
W4Q4 Mareeba Water Treatment Plant Solar	Construction	Contractor is still awaiting delivery of the brackets for the solar panels to install on the roof. Expected delivery is mid April.
W4Q4 Kuranda Aquatic Centre Solar	Completed	Solar Panels installed and project complete January 2021.

Infrastructure Services Capital Works Summary Report - March 2021

Project Description	Project Stage	Progress Comment
W4Q4 Kuranda Water Treatment Plant Solar	Construction	The new structure over the clarifier tank will be installed on mid April. The solar panels and new roof extension will be installed the week following.
W4Q4 Community Hub Solar	Construction	All panels and cabling installed. Awaiting the installation of the new switchboard as part of the fit-out works to complete. MSB due for installation mid April.
W4Q4 Centenary Booster Pump Solar	Completed	All works complete March 2021. Awaiting price for new concrete pathway around shed before completing the project.
W4Q4 Mt Molloy Community Hall Refurbishments	Procurement	Quotations called for electrical works, handyman provided scope for building modifications.
W4Q4 Arnold Park Toilet Upgrade	Construction	Modular Facility approved and order placed. Design approved, fabrication to commence. Works to be completed June 2021
W4Q4 Cedric Davies Community Hub - Library project	Construction	External painting commenced, design of building signage underway, internal demolishing complete, works progressing on fitout. Anticipate completion late May, early June.
W4Q4 Rankin Street Public Disability Toilet	Construction	Design being completed, Access Consultant to provide certification for slight deficiency in width 20mm. To be completed May.

9.4 INFRASTRUCTURE SERVICES, TECHNICAL SERVICES OPERATIONS REPORT - MARCH 2021

Date Prepared: 26 March 2021
Author: Manager Technical Services
Attachments: Nil

EXECUTIVE SUMMARY

The purpose of this report is to summarise Council's Fleet, Design, Soils Lab, Survey, Quality, GIS, Project Management, Facilities and Investigation Services activities undertaken by Infrastructure Services during the month of March 2021.

RECOMMENDATION

That Council receives the Infrastructure Services, Technical Services Operations Report for March 2021.

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

Investigation activities undertaken in March included:

Activity	Current Requests	Closed Requests
Road Infrastructure Review	67	38
Drainage Investigations	4	6
NHVR Permit Applications	0	10
Aerodrome Investigations	1	0
Traffic Count Surveys	0	0
Parks Investigations	4	1
Dial Before You Dig Requests	0	43

Soil Laboratory:

Council's Soil Laboratory provides NATA-accredited soil and material testing for internal and external services. The laboratory completed the following testing in the month of March:

Supplier	No. of Tests
Internal	31
External	33

Asset Inspections:

Scheduled inspections of Council's transport infrastructure assets have been varied during the month of March.

Inspection Type	Each
Roads	197
Subtotal	197

In addition to field inspections, work was completed towards improving data collected for the footpath, water, sewerage, roads, kerbs and stormwater network.

Inspections planned for April will continue to focus on the annual inspection of Council roads.

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	Kenneally Estate Stage 4	Under construction
Mareeba	The Edge Stage 3A	Under construction
Mareeba	Amaroo Stage 11	Under construction
Mareeba	The Edge Stage 2B	On-maintenance
Kuranda	3 Hilltop Close	On-maintenance
Mareeba	Mareeba Roadhouse & Accommodation Park, Williams Close	On-maintenance
Mareeba	Clean Choices Car Wash	On-maintenance
Kuranda	72 - 76 Mason Road Stage 1	On-maintenance
Kuranda	112 Barnwell Road widening	Monitoring

Disaster Recovery Funding Arrangements (DRFA - previously NDRRA)

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

Program	Status
2021 DRFA	Mareeba Shire activated DRFA assistance measures associated with Tropical Cyclone Imogen and Associated Low Pressure System, 2 - 12 January 2021. DRFA has been approved for Counter Disaster Operations (CDO) and Reconstruction of Essential Public Assets (REPA). Council has continued with emergent response works to those roads accessible.

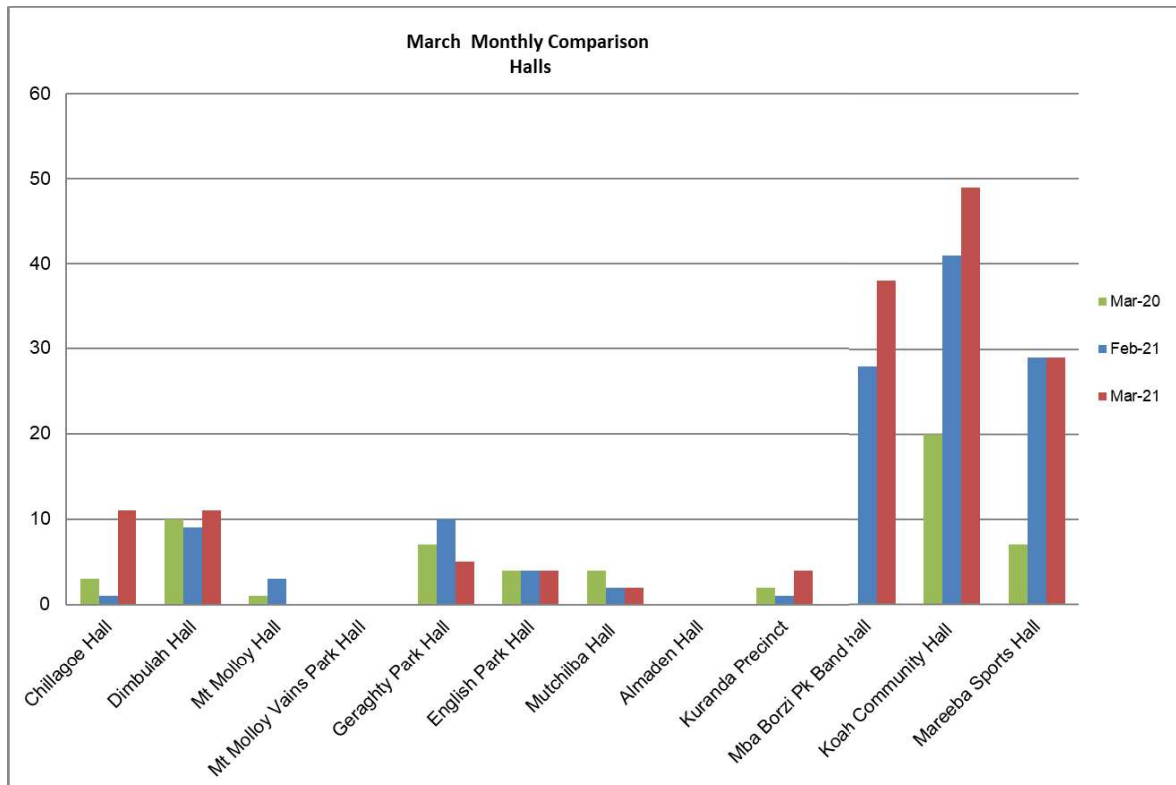
Program	Status
2019 DRFA	Works at all locations completed, with the exception of two (2) sites, a small creek crossing in the Mareeba area, which will be completed in April; and Gamboola Crossing which will commence after the wet season with completion December 2021. Gamboola Crossing is not yet accessible following flooding in January.
2019 Betterment	Preparation for delivery of the 2019 Betterment works is underway; <ul style="list-style-type: none"> • Fossilbrook Road, Lynd Crossing - Tender Award approved, works to commence after wet season. • Shanty Creek Road, Creek Crossing - Council endorsement of award at March Council Meeting. • Clacherty Road, Creek Crossing - Council endorsement of award at March Council Meeting. Other betterment projects to be identified and submitted in future funding rounds.

Facilities

Community Halls:

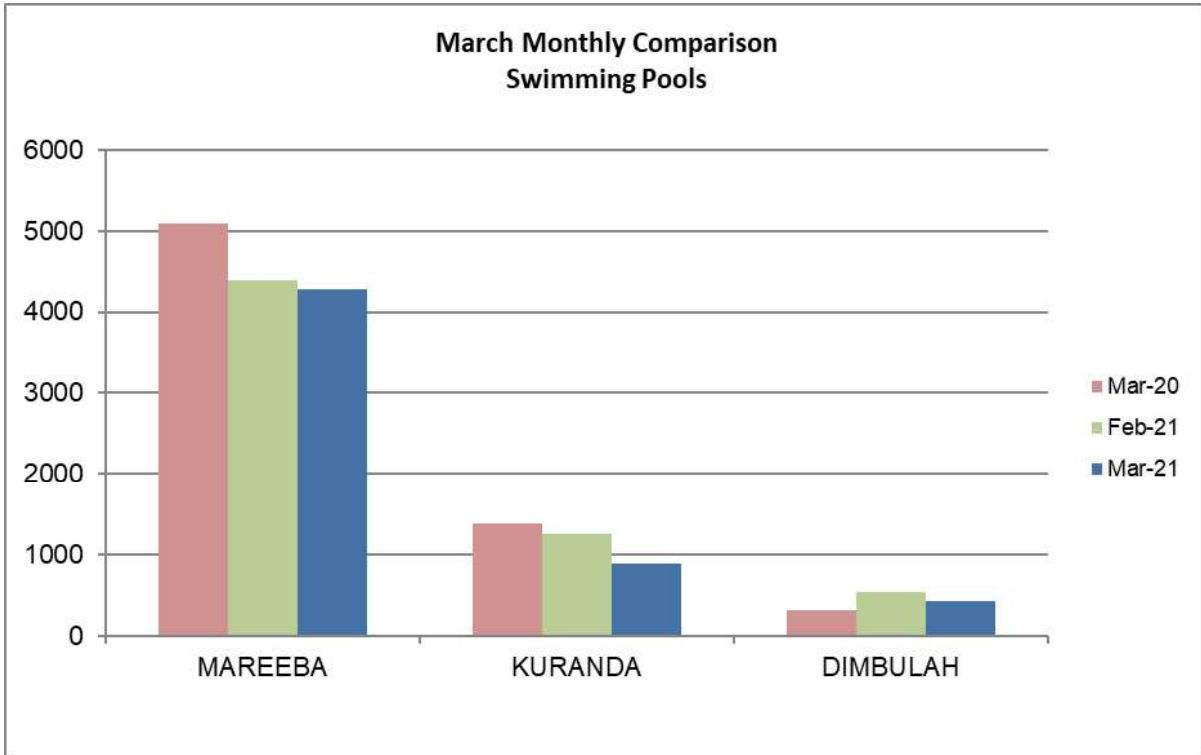
Maintaining safe and efficient access to Council Community Halls is recognised as an important aspect for the community's ongoing wellbeing. All facility users are required to comply with the conditions set out by the State Government's COVID-19 Restrictions Roadmap.

March hall hires are still increasing compared to last month and tripled since the same period last year. Community groups and clubs are returning to the halls, recommencing their activities following the emergence of COVID-19.



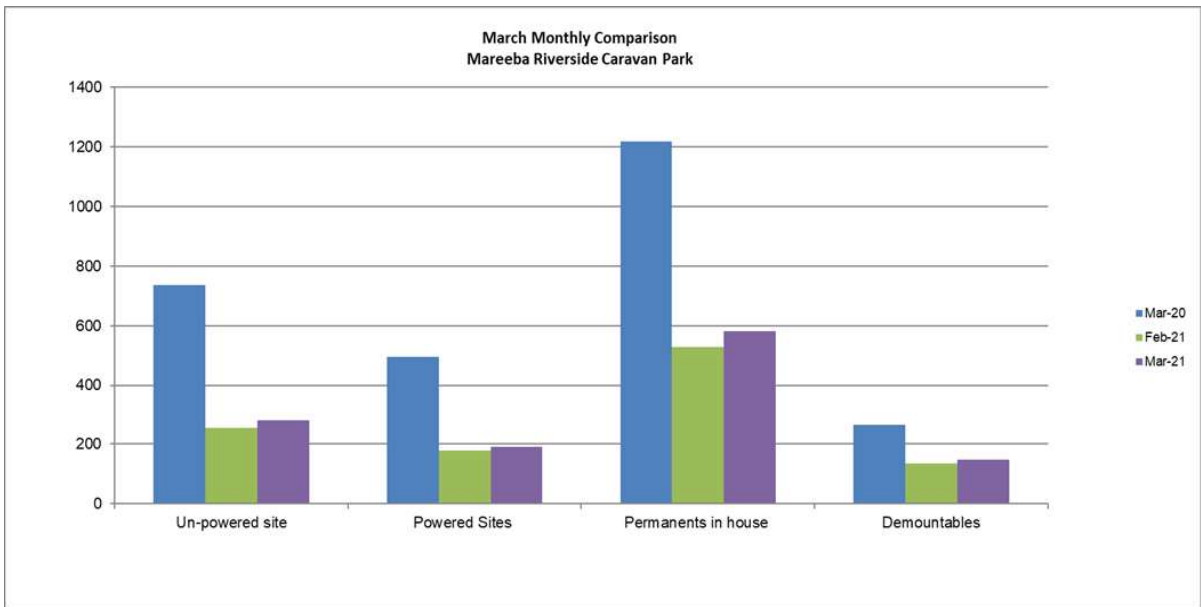
Swimming Pools:

All three (3) pools are now operational, with public safety restrictions remaining in force and in line with the State Government's COVID-19 requirements. A decrease in attendance numbers may be jointly attributable to adverse weather early in March and a decrease in school swimming lessons.

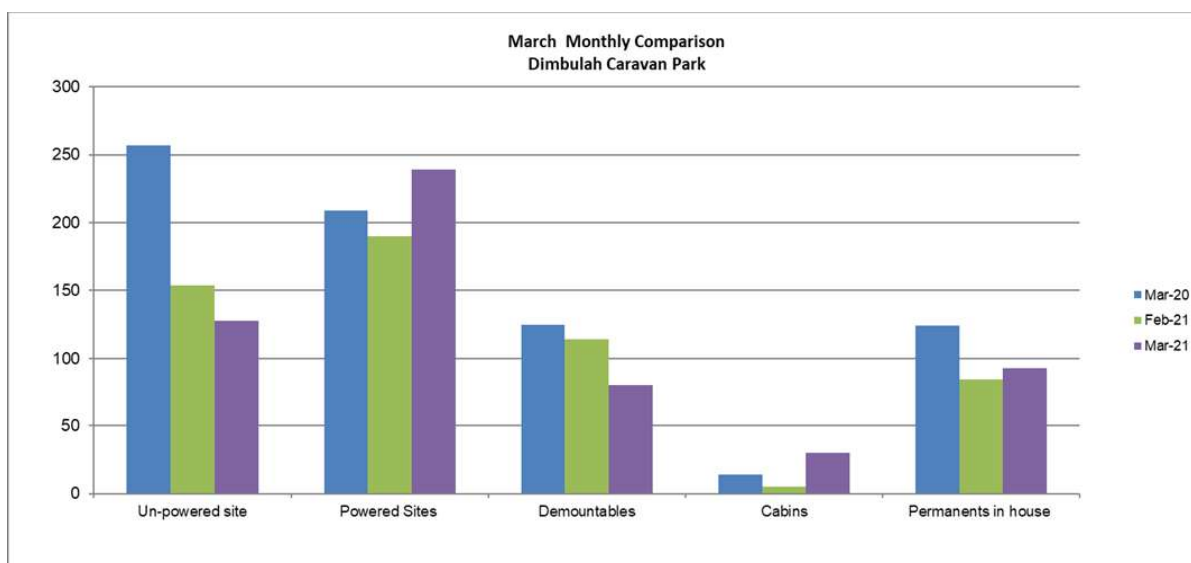


Caravan Parks:

Mareeba Riverside Caravan Park utilisation has slightly increased with campers returning.



Dimbulah Caravan Park utilisation has also slightly increased compared to last month, which is potentially associated with campers from south moving north as COVID restrictions ease.



Vandalism & Graffiti:

During March, ten (10) reports of vandalism/graffiti were recorded for Council facilities, with annual costs provided below;

Financial Year	Actuals	Comments
2015/16	\$ 2,134.00	<ul style="list-style-type: none"> • Mareeba CWA Toilets and restroom x 3 - graffiti, damaged cisterns and fittings • Mareeba Rotary Park Toilets - Male Toilet vandalised • Mareeba Rankin Street Office x 3 - Car theft and building break-in including equipment stolen • Mareeba Theatre Hall - plumbing vandalised • Mareeba Anzac Park - pump box vandalised • Kuranda Centenary Park toilets - hand dryers vandalised
2016/17	\$ 16,546.00	
2017/18	\$ 23,948.00	
2018/19	\$ 14,851.00	
2019/20	\$ 14,211.18	
2020/21	\$ 29,976.24	

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

LEGAL/COMPLIANCE/POLICY IMPLICATIONS

COVID-19 impacts in relation to closure and re-opening of facilities will be managed in line with Queensland Government requirements.

FINANCIAL AND RESOURCE IMPLICATIONS

Capital

Nil

Operating

Additional costs 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 looks for savings and opportunities while managing council's assets and reserves to ensure a sustainable future in a cost-effective manner.

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 engaged community which supports and encourages effective partnerships to enhance the liveability of the shire and the wellbeing of residents in communities which are resilient and prepared for unforeseen events.

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.

9.6 INFRASTRUCTURE SERVICES, WATER AND WASTE OPERATIONS REPORT - MARCH 2021
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Date Prepared: 26 March 2021
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 March 2021.

RECOMMENDATION

That Council receives the Infrastructure Services, Water and Waste Operations Report for March 2021.

BACKGROUND

Water and Wastewater Treatment:

All treatment plants performing satisfactorily. Water demand was similar to the previous month's consumption.

Inflows through the wastewater treatment plants have remained steady with a slight increase in inflows at the Mareeba WWTP during the 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)	6,580	806	150	220	79
Number of Connections	4,385	982	157	272	113
Average daily water consumption per connection (L)	1,501	821	955	809	699

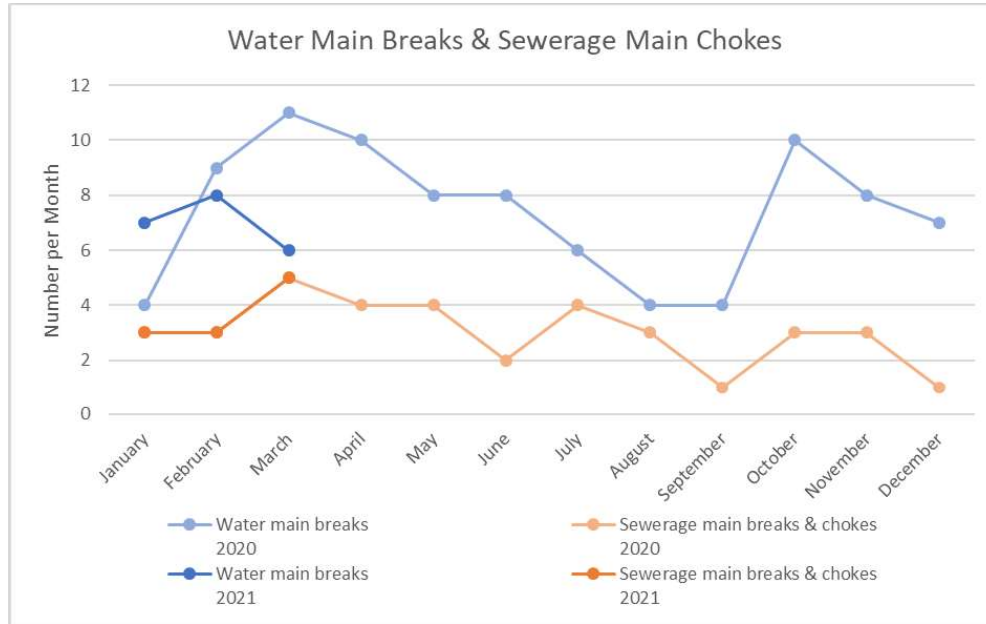
* Mt Molloy is an untreated, non-potable water supply

Wastewater Treatment	Mareeba	Kuranda
Wastewater Plant average daily treatment (kL)	3,748	206
Number of Connections	3,424	346
Average daily inflow per connection (L)	1,095	595

Water and Wastewater Reticulation:

Council's water reticulation crew attended to six (6) water main breaks and small water leaks and five (5) sewer main breaks 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:



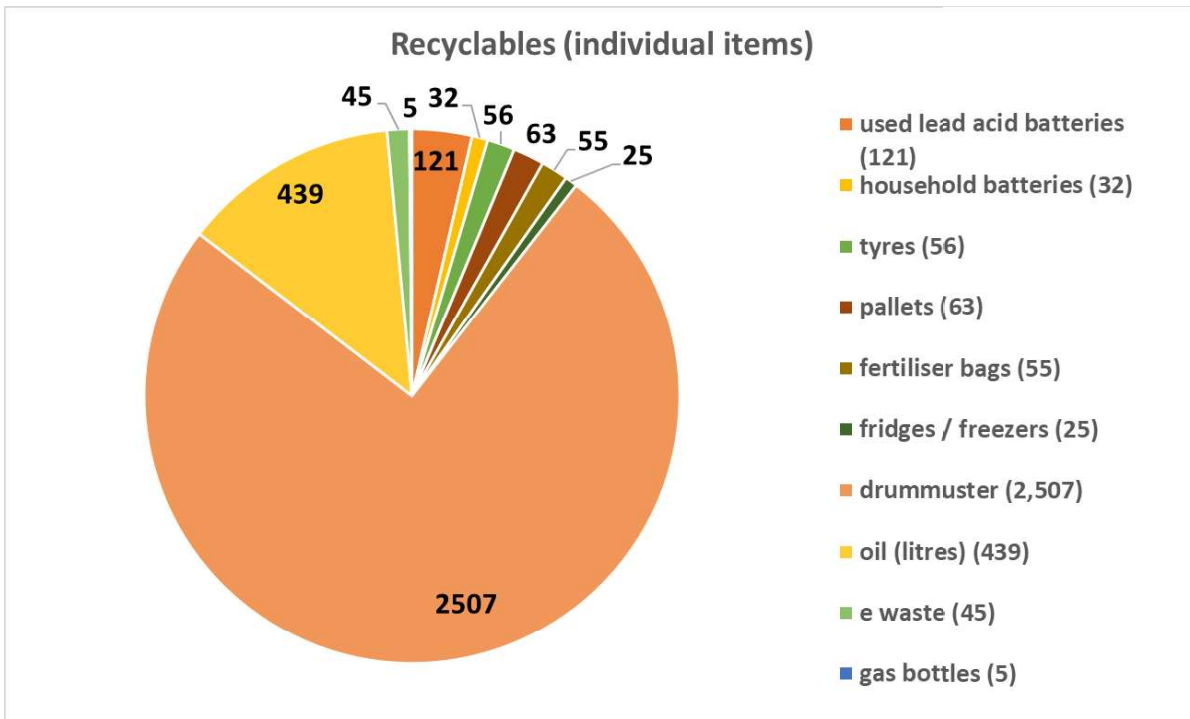
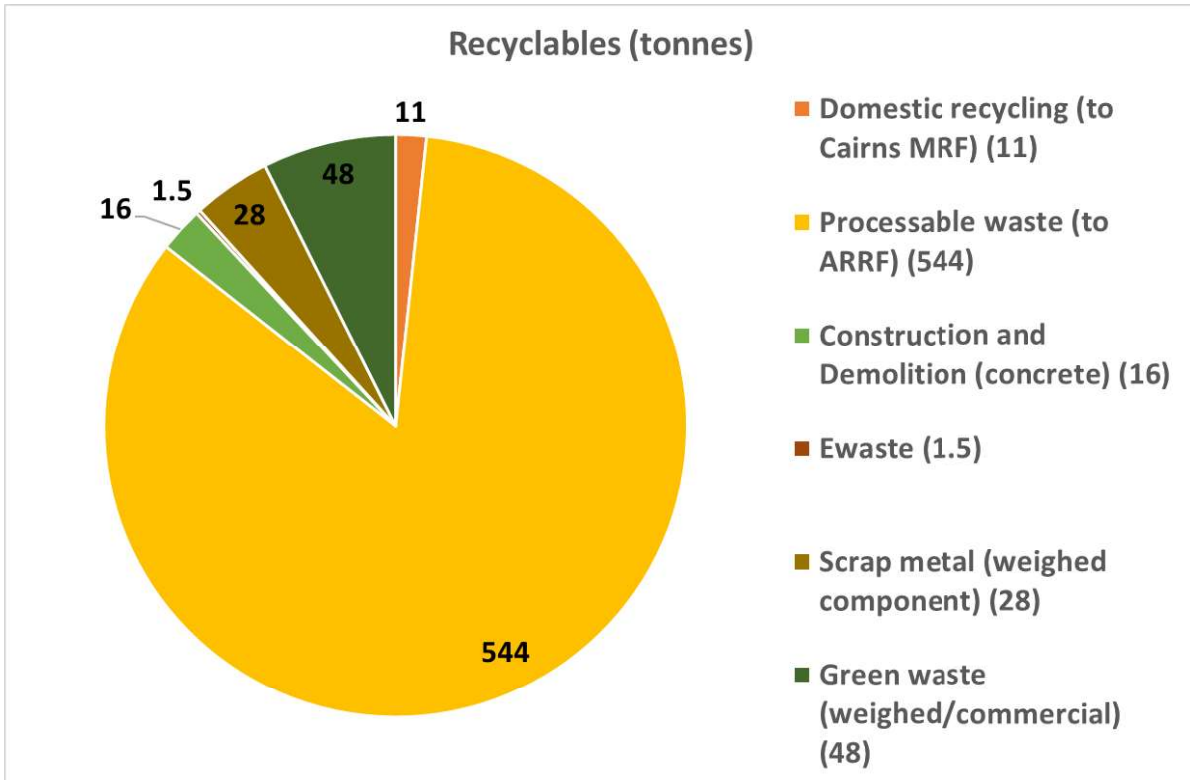
Waste Operations:

All transfer stations and Mareeba landfill are currently operational.

Recycling

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

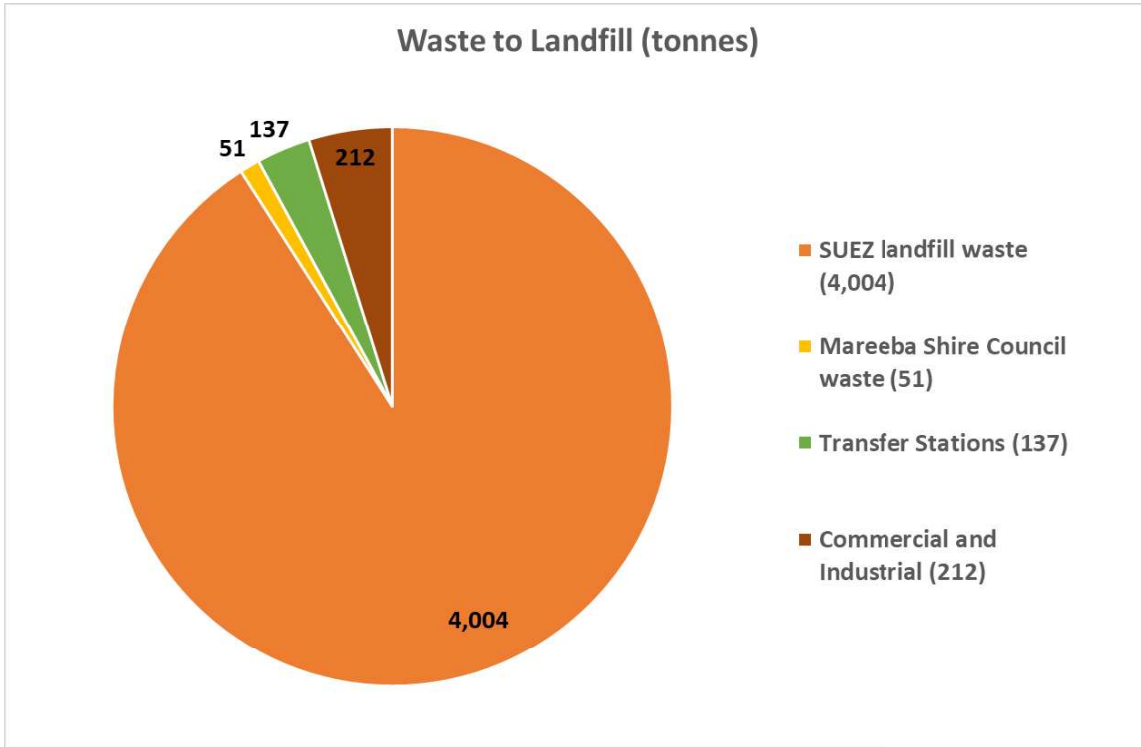




Waste to Mareeba Landfill

Waste directed to Mareeba Landfill is primarily residual waste from the SUEZ Advanced Resource Recovery Facility (ARRF) plant in Cairns, with minor quantities received from the waste transfer

stations (Mareeba included), commercial and industrial waste, and waste that Mareeba Shire Council produces from its own activities.



Illegally Dumped Waste

Council received 13 illegally dumped tyres through Mareeba Waste Transfer Station during the month of March.



RISK IMPLICATIONS**Environmental**

Council holds an Environmental Authority issued under the *Environmental Protection Act 1994* to operate landfill facilities.

The Environmental Authority amendment process is underway.

LEGAL/COMPLIANCE/POLICY IMPLICATIONS

Nil

FINANCIAL AND RESOURCE IMPLICATIONS***Capital***

Nil

Operating

Nil

LINK TO CORPORATE PLAN

Financial Sustainability: A council that continuously looks for savings and opportunities while managing council's assets and reserves to ensure a sustainable future in a cost-effective manner.

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 and affordable levels of service delivered to the community.

9.7 INFRASTRUCTURE SERVICES, WORKS SECTION ACTIVITY REPORT - MARCH 2021

Date Prepared: 9 April 2021
Author: Manager Works
Attachments: Nil

EXECUTIVE SUMMARY

The purpose of this report is to summarise Council's Transport Infrastructure, Parks and Gardens, Bridge and Land Protection operational activities undertaken by Infrastructure Services during the month of March 2021.

RECOMMENDATION

That Council receives the Infrastructure Services, Works Progress Report for the month of March 2021.

BACKGROUND**Transport Infrastructure**Road Maintenance Activities

Council's contractor-delivered slashing program in the Mareeba area commenced on 22 February and will complete by the middle of April weather permitting.

The Dimbulah area slashing program that is undertaken by staff from the Dimbulah depot was completed mid-March. The next round of slashing in this area will commence in May.

Unsealed road maintenance grading was completed in the Mt Carbine and Mt Molloy areas and the grading crew has established on the eastern side of Mareeba.

Bridges and Major Culverts

In March, the Bridge Crew continued inlet/outlet clearing activities, predominantly in the Julatten and Mt Molloy areas along with scheduled bridge and major culvert inspections.

At the end of the month the crew established in Mt Molloy to undertake several capital works projects that are primarily concrete works.

TMR Routine Maintenance Performance Contract (RMPC)

RMPC works during the month entailed the placement of warning signs on the BDR, boom slashing on the Kennedy Highway, roadside litter collection and fallen tree removal on the Mossman - Mt Molloy Road and roadside litter collection, signage maintenance and dead animal removal on the Mulligan Highway.

Parks and Open Spaces

As reported in January, a tree in the heritage-listed Kuranda Fig Tree Avenue on Coondoo Street is dying. Council has received a positive response from the Department of Environment and Science (DES) on Mareeba Shire Council's application for a Certificate of Exemption to remove the tree. As part of the conditions set by DES, Council is to replace the dead fig tree with a semi mature fig of the same species. Officers have sourced an appropriate tree (*ficus obliqua*) and it will be retained

by the supplier until required for planting. The existing dead tree and surrounding garden bed will be removed in the coming weeks in accordance with the permit conditions.

Land Protection

Parthenium Weed: Property inspections carried out on land parcels deemed to be at risk of harbouring Parthenium. No new incursions were found, and the property owners were left with fact sheet and shown live potted plants so that they will recognise and report back to Council if they see the plant.

Of the 13 active sites, one (1) can now be declared as extinct. The other sites are still being actively managed by the land managers and are inspected by Land Protection officers on a monthly basis to ensure compliance.

Rats Tail Grass and Gamba Grass: As a part of Council's containment protocol, every road within the Shire is in the process of being chemically treated in order to stop vehicle and plant picking up seeds and spreading them. Officers continue to provide advice to ratepayers on current recognised best practice controls that they should employ on their affected paddocks.

Electric Ants: As a part of Council's commitment to eradicating tramp ants from the shire, Land Protection staff have carried out the quarterly surveillance work on land fill and transfer stations. Officers lay lures to attract the targeted ants and all ants captured are sent to the Department of Agriculture and Fisheries for identification and advice regarding site treatment if necessary. No Electric Ants were found in the surveillance sites this quarter.

Frogbit on the Western Catchment: All Council's sentinel sites have been inspected and no Frogbit was found. These sites are still, back wash areas of the creeks where floating vegetation will collect. These areas are ideal for Frogbit to become established and officers keep the pools clear of other vegetation so Frogbit can be easily detected if it appears. All of the five (5) sentinel sites were cleaned out for this purpose.

Feral Pigs: Soaked corn has been laid in locations where pigs are known to frequent. When the pigs find and commence feeding the animals are chemically treated or shot.

Wild dogs: Coordinated baiting has occurred on properties within the MDIA. These dogs have been predated on farm animals and destroying irrigation infrastructure.

Rabbits: Callisivirus has been introduced into rabbit populations on Tinaroo Creek and several locations around Paddy's Green and the Arriaga.

LEGAL/COMPLIANCE/POLICY IMPLICATIONS

COVID-19 impacts in relation to closure and re-opening of facilities will be managed in line with Queensland Government restrictions.

FINANCIAL AND RESOURCE IMPLICATIONS

Operating

All operational works are funded by the section specific 2020/21 maintenance budgets.

LINK TO CORPORATE PLAN

Financial Sustainability: A council that continuously looks for savings and opportunities while managing council's assets and reserves to ensure a sustainable future in a cost-effective manner.

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