



Mackenzie

DISTRICT COUNCIL

Notice is given of an Engineering and Services Committee Meeting to be held on:

Date: Tuesday, 9 August 2022

Time: 9.30am

**Location: Council Chambers
Fairlie**

AGENDA

Engineering and Services Committee Meeting

9 August 2022

Note: This meeting will be digitally recorded by the minute-taker .

Engineering and Services Committee Membership:

Stuart Barwood (Chair)

Emily Bradbury

Murray Cox

James Leslie

Anne Munro

Matt Murphy

Graham Smith

The purpose of local government:

(1) The purpose of local government is—

- (a) to enable democratic local decision-making and action by, and on behalf of, communities; and
- (b) to meet the current and future needs of communities for good-quality local infrastructure, local public services, and performance of regulatory functions in a way that is most cost-effective for households and businesses.

(2) In this Act, good-quality, in relation to local infrastructure, local public services, and performance of regulatory functions, means infrastructure, services, and performance that are—

- (a) efficient; and
- (b) effective; and
- (c) appropriate to present and anticipated future circumstances.

(Local Government Act 2002)

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- 1 OPENING**
- 2 APOLOGIES**
- 3 DECLARATIONS OF INTEREST**
- 4 VISITORS**

5 REPORTS

5.1 MINUTES OF ENGINEERING AND SERVICES COMMITTEE MEETING - 10 MAY 2022

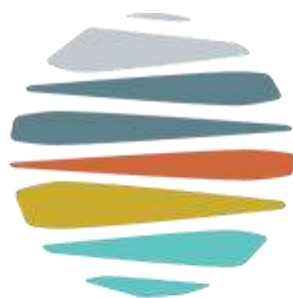
Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Minutes of Engineering and Services Committee Meeting - 10 May 2022

RECOMMENDATION

1. That the Minutes of the Engineering and Services Committee Meeting held on Tuesday 10 May 2022 be received and confirmed as an accurate record of the meeting.



Mackenzie
DISTRICT COUNCIL

Unconfirmed MINUTES

**Engineering and Services Committee
Meeting**

10 May 2022

**MINUTES OF MACKENZIE DISTRICT COUNCIL
ENGINEERING AND SERVICES COMMITTEE MEETING
HELD AT THE COUNCIL CHAMBERS, FAIRLIE
ON TUESDAY, 10 MAY 2022 AT 9.30AM**

PRESENT: Cr Emily Bradbury, Cr Murray Cox, Cr Anne Munro, Cr Matt Murphy, Mayor Graham Smith

IN ATTENDANCE: Angela Oosthuizen (Chief Executive), David Adamson (Acting General Manager Operations), Arlene Goss (Governance Advisor), Chris Clarke (Communications Advisor), Sue Wilkins (Communications Advisor), Joni Johnson (Engineering Manager), Brian Milne (Community Services Officer), Scott McKenzie (Roading Manager), Geoff Horler (Utilities Manager), Sam Molyneaux (Executive Assistant), Pete Dawson (Beca)

1 OPENING

Cr Murphy opened the meeting. He chaired the meeting on behalf of Cr Barwood who sent an apology.

2 APOLOGIES

Apologies were received from Cr Stuart Barwood and Cr James Leslie.

3 DECLARATIONS OF INTEREST

There were no declarations of interest.

4 VISITORS

Pete Dawson from Beca attended on Zoom.

5 REPORTS

5.1 MINUTES OF ENGINEERING AND SERVICES COMMITTEE MEETING - 15 FEBRUARY 2022

COMMITTEE RESOLUTION ENG/2022/33

Moved: Cr Anne Munro

Seconded: Cr Murray Cox

1. That the Minutes of the Engineering and Services Committee Meeting held on Tuesday 15 February 2022 be received and confirmed as an accurate record of the meeting.

CARRIED

5.2 ENGINEERING REPORT

Joni Johnson went through the matters in her report, as attached to the agenda.

She said the water bylaw would be changed to ensure that people who collected and sold council water, or used it other than on their own property, would pay for it. Discussion took place on the details of this, and questions were answered.

5.3 ENGINEERING DEPARTMENT KPIS FOR ANNUAL REPORT

Joni Johnson said the table in her report was an indication of how KPIs would be measured in the annual report. She took the councillors through the items marked red or yellow, and the reasons for that classification.

Was the ratepayers survey target too high? Yes, this would change. Discussion included the need to encourage people to report pot holes and other matters. Service requests needed a response.

Different funding sources were discussed for the Alps to Ocean upgrades. There was a need to go back to the drawing board to discuss how to move forward with improvements to the track. The plan was to off-road the track on Hayman's Road. Negotiation with land owners was continuing, but most landowners had given consent.

Regarding bacterial testing of the water supply, more information about non-compliance would be included in the annual report.

5.4 COMMUNITY FACILITIES AND SERVICES OPERATIONS REPORT

This report gave the committee an overview of activities within the community facilities area, with a specific focus on township maintenance works.

Brian Milne went through changes to the Parks and Amenities Strategy that were made as a result of an earlier workshop with councillors. The strategy was then adopted.

He requested a budget of \$50,000 for a condition assessment of reserves and playgrounds. Discussion took place on the difference between this report and the regular safety assessments that were carried out. Cr Cox asked about IT systems to track work carried out on assets, so that the information was used. Mr Milne explained current IT systems. Cr Cox was concerned that this work would be done at great cost, and then would get lost.

Cr Murphy said he would prefer this work to be done in-house. David Adamson said it was more than playgrounds, but all assets including paths, fences, trees. The councillors were concerned that reports needed to result in efficiencies.

Was the land subdivision fund the correct fund to pay for this? Cr Murphy said council was still waiting for a breakdown of this money. Mr Adamson said this was being fast tracked and had been out-sourced. It was a work in progress. The chief executive said this work would be made a priority.

Regarding the request for \$50,000 for a condition assessment, the chief executive said it may not cost this much. The Mayor felt the land subdivision reserve was the right place to source this money.

It would be possible to move forward and if this was not an appropriate way to fund the amount, it could come from future rates instead.

The procurement process would be a full competitive process. This would go to market.

The councillors were concerned the amount was a high figure and did not want work that has already been carried out to be repeated.

A vote was taken and the motion was carried by three votes to two.

Discussion then moved to the other matters in the report. The Fairlie public toilets continued to face design issues. It was not possible to afford river stone cladding within the budget.

A report with feedback on the Ruataniwha reserve management plan was attached to the agenda.

COMMITTEE RESOLUTION ENG/2022/34

Moved: Cr Anne Munro

Seconded: Cr Emily Bradbury

1. That the Community Facilities and Services Operations report be received.

CARRIED

COMMITTEE RESOLUTION ENG/2022/35

Moved: Cr Anne Munro

Seconded: Mayor Graham Smith

2. That the adoption of the Parks and Amenities Strategy (May 2022) be recommended to Council.

CARRIED

COMMITTEE RESOLUTION ENG/2022/36

Moved: Mayor Graham Smith

Seconded: Cr Anne Munro

3. That a budget of up to \$50,000 for "Parks Asset Collection and Condition Assessment" from the Reserves Subdivision Contribution Fund be approved, subject to the information being updated into asset finder and a suitable process be put in place to maintain it, and subject to staff coming back with a suitable funding mechanism pending the outcome of the review of development contributions currently underway.

CARRIED

Cr Cox and Cr Murphy asked for their votes against resolution 3 to be recorded.

5.5 VESTMENT DOC LAND TEKAPO LAKEFRONT

This report requested the Engineering and Services Committee to approve the vesting of public conservation land on the Tekapo lakefront to Council management as a Recreation Reserve.

COMMITTEE RESOLUTION ENG/2022/37

Moved: Cr Emily Bradbury

Seconded: Cr Murray Cox

1. That the report be received.

CARRIED**COMMITTEE RESOLUTION ENG/2022/38**

Moved: Cr Anne Munro

Seconded: Cr Emily Bradbury

2. That the Engineering and Services Committee approves an application to the Department of Conservation for the vesting of Recreation Reserve on the Tekapo lakefront to Council management.

CARRIED**5.6 WASTE MINIMISATION AND MANAGEMENT REPORT**

David Adamson spoke this report on behalf of Angie Taylor, who was away at a conference. Reporting on the new green waste system would happen in future, however the collection of green waste was all in place and running well.

Angie Taylor was also writing a submission on the recycling changes proposed by central government, and this would be circulated to councillors soon.

The following two reports were accidentally left off the agenda due to a technical issue. They were tabled at the meeting and are available on request from the Governance Advisor.

LATE ITEM: THREE WATERS STIMULUS REPORT

This was tabled for information. It was suggested that any questions be circulated by email.

LATE ITEM: CAPITAL INJECTION WORKS PROGRAMME

This was tabled for information. It was suggested that any questions be circulated by email.

The Meeting closed at 11.20am.

The minutes of this meeting were confirmed at the Engineering and Services Committee Meeting held on .

.....
CHAIRPERSON

5.2 COMMUNITY FACILITIES AND SERVICES OPERATIONS REPORT

Author: Brian Milne, Community Facilities and Services Officer - Contractor

Authoriser: David Adamson, General Manager Operations - Acting

Attachments: Nil

PURPOSE OF REPORT

The report gives the committee an overview of activities within the community facilities area, with specific focus on township maintenance works.

STAFF RECOMMENDATIONS

1. That the Community Facilities and Services Operations report be received.
2. That the committee recommends to Council an exemption to Councils Procurement Policy for a variation to the Pool Heating Contract 1299 to the value of \$99,368 for the renewal and upgrade of the Fairlie Pool filtration and pumping systems.
3. That the committee recommends to Council that it approves the amount of \$20,000 from the Land Subdivision Reserve Fund for part funding of the development of the Fairlie Dog Park.

HEALTH AND SAFETY

Township maintenance works are inherently high risk and involve work outside, with machinery, often working by themselves and exposure to multiple hazards.

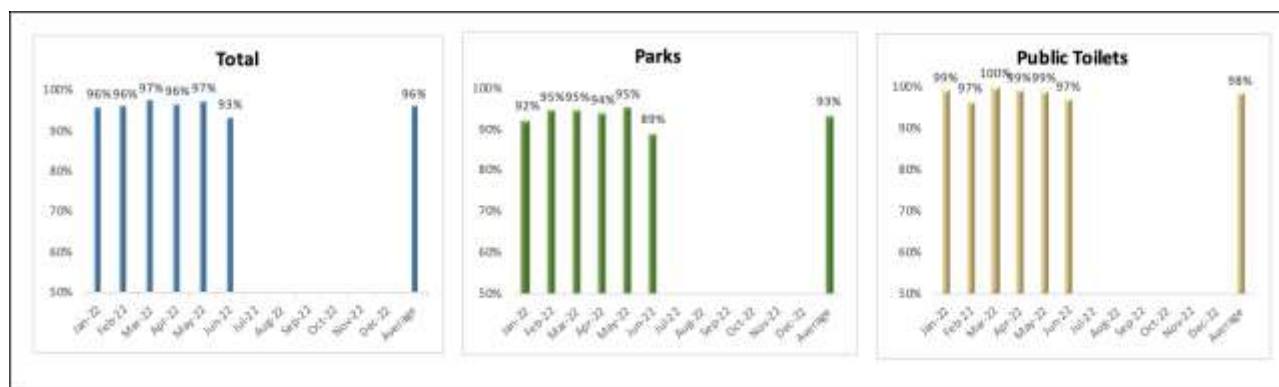
Staff and contractors continue to monitor H&S requirements as part of the monthly performance audits plus observation of staff and work practices at other times.

No issues with health and safety practices have been observed over the last 2 months.

TOWNSHIP MAINTENANCE CONTRACT

The township maintenance contract is continuing to operate effectively with good levels of performance overall.

The monthly cumulative performance audit result to June 2022 is 96%.



POOL HEATING AND FAIRLIE POOL PLANT UPGRADE

A contract has been awarded to Ian Coombes Limited for the installation of the heat pumps at Fairlie and Twizel, plus a contract with Netcon via Alpine Energy for the upgrade of the power supply infrastructure at Twizel.

This work will be completed over the winter months, ready for the 2022/23 season. The power infrastructure upgrade by Alpine Energy has been completed in July.

The renewal and upgrade of the Fairlie Pool Plant including filtration, pumps and pipework has been budgeted for in 2022/23. To enable this work to be completed prior to the opening of pool for this summer season, a variation to the pool heating contract was issued to Coombes Limited. The value of this variation is \$99,368, therefore post approval of an exemption to Council's procurement policy is requested. The reasons for the exemption include:

- Avoid additional design, specification and procurement costs that would be associated with going to separate tender for this work (estimated at \$10,000)
- Avoid the time delay that a separate tender would entail. This would have resulted in the following outcomes:
 - The work would not have been able to be undertaken until after the completion of the 22/23 season.
 - Therefore, the benefits of improved filtration and circulation rates, leading to higher water quality would not have been realised for another year.
 - The current pumps are considered past their useful life and pose a high risk of failure, which would lead to pool closures, and additional repair costs
- There are potential efficiencies from having both the pool heating upgrade and plant upgrade completed at the same time, by the same company
- Coombes Limited are one of only a few specialist companies able to undertake this work, therefore there is a high probability that they would have been awarded the contract if we had tendered the project
- There are advantages in having one contractor responsible for all the pools water heating and treatment systems and plant in the event of any issues arising.

Please note that the above works are stage 1 of planned renewal and upgrade works. Stage 2 involves the replacement of the main pool sparge pipe, which is less urgent and will be undertaken next year.

This year we will also be installing a removable stepped ramp and replacing the pool covers.

FAIRLIE DOG PARK FUNDING

The Fairlie Community Board has identified the development of a dog park as a priority project and has been working on achieving this for several years.

A site adjacent to the picnic area by the Allandale Bridge has been identified.

A budget of \$30,000 from the Township Budget was approved by the Community Board to get a basic dog park established which included leveling of the site, fencing and gates, water supply and drinking fountain, rubbish/doggy do bin and seat.

The intention was to then seek additional community funding of additional development such as agility items, landscaping and additional furniture.

Unfortunately, the cost of the fencing and gates was considerably more than expected at \$28,000 for this component alone.

Rather than exhausting the majority of the Fairlie Township budget for 2022/23, additional Council funding of \$20,000 is requested from the Land Subdivision Reserve Fund to assist in completing the Dog Park to a basic standard.

This will enable the Community Board to consider other township improvement projects in 2022/22 which potentially include:

- Fairlie Village Green playground shade shelters and seating
- Town centre median area upgrade

The management and use of the Land Subdivision Reserve Fund is currently under review and therefore agreement to the use of funds from this reserve is not desirable at this time. However, deferring any decisions on use of this fund will delay legitimate reserve developments from proceeding for the foreseeable future. Given that the fund has a projected balance of over \$5million dollars at 30 June 2022, and advice from the planning department indicates that income from the Fairlie area is likely to be in excess of \$300,000, in recent years, the allocation of \$20,000 towards this project is considered a reasonable use of the fund.

TREE MAINTENANCE

A contract has been entered into with Tree Tech Limited to undertake the maintenance of the Peace Trees. As the tendered price was above the budget available, we have entered into a time/cost agreement for work up to the budget available. This work will commence in September and based on the amount of work completed, we will be able to assess the amount of budget required to complete the entire project.

We are also working with Forestry contractor PF Olsen to remove two groups of Wilding Pines in Twizel, adjacent to the state highway and on Glen Lyon Road, with funding support from Environment Canterbury. This work is expected to be undertaken in the coming weeks.

Following the clearance of these areas, plans for replanting with amenity trees will be progressed.

ALPS 2 OCEAN (A2O)

The main task for the joint committee is the finalising of the business plan, which is required to support funding applications.

A verbal update will be provided, and further consideration of review and approval of the Business Plan by Council will be advised on, as implementation of the business plan also requires funding commitment from Mackenzie District Council. However, the current priority project for MDC is the East Pukaki off-roading which has existing budget allocation approved.

The Trail was closed on the 18th July due to the extreme weather event. At time of writing, an assessment of the trail and any damage on the MDC section had not been undertaken.

TWIZEL EVENTS CENTRE

Work is progressing on the rectification and improvement works of the Twizel Events Centre to achieve Building Code compliance. An update on progress to date will be provided at the meeting.

MBIE TIF TOILET PROJECTS

A contract has been let to Carpentry South, utilising prefabricated Exeloo toilet units for the new toilets at Fairlie, Lake Pukaki Lookout and Lake Ruataniwha.

The time frame is for the new toilets to be completed by the end of October 2022. As the toilets are prefabricated in the factory, the install process is relatively quick.

We have been working through consent processing issues for Fairlie and Pukaki (agreement with Meridian) and these are getting close to resolution.

The preferred location of the Fairlie Camper effluent dump station is adjacent to the Transfer Station at the end of Dobson View Road. Layout plans are being finalised to enable consultation with neighbouring property owners, and to support the resource consent application.

RUATANIWHA RESERVE MANAGEMENT PLAN (RMP)

Refer to separate report for approval of draft plan.

OTHER PROJECTS

A number of projects are also underway within the Parks and Community Facilities area. A brief update on some key projects is listed below:

1. Maukatua Reserve (D'Archiac Dr) Tekapo

This project is nearly complete, however there have been some supply issues (COVID related) and technical issues with the building consent for the shelter. This meant we could not complete final leveling and grassing of the reserve and this will now be completed in the spring. This delay and wet weather over the winter has however highlighted a hollow and ponding created by the stockpiling and screening of soil, and this will be rectified prior to grass sowing.

2. Tekapo Lake Front Path and Other Improvements

A contract has been let to Paul Smith Earthmoving Limited, with work due to start in the next few weeks and the project expected to be completed by November 2022.

3. Furniture

- Installation of new cycle stands in Fairlie, Tekapo and Twizel town centres is being undertaken
- Replacement of Refuse Bins underway in Tekapo

4. Sign Supply Contract

A contract has been awarded to Sign Biz for the supply of new signage and we hope to start installation of new park and facility signs from September 2022. This will be an ongoing program over several years to install new signage throughout all the parks and other council sites.

5. Twizel Compactor Bin

Due to ongoing reliability issues and the high rental cost of the compactor bin in Twizel, the Twizel Community Board have agreed that this service should be discontinued, and the budget currently being spent on rental of this unit (approx.\$20,000 p.a.) be put towards extend hours (morning) of the transfer station. This equates to approximately 2 hours per day for 5 days per week, and we are consulting with operator Envirowaste to determine the best options of days and hours.

6. Twizel Office Access Project

A contract has been let to Whitestone Contracting Limited. Due to complications and delays with options for temporary relocation of the reception and Post Office service, we were unable to undertake the concreting work prior to the winter period with risk of frost damage. The work will now be completed in the spring.

This time delay has however allowed us additional time to work through design of replacement of a section of the veranda adjoining the shop buildings, of which the footings are an integral part of the paving and ramp rebuild project and addresses the safety issues associated with this section of veranda.

PROCT UPDATE SUMMARY

A full list of all projects being worked on and their status is provided as follows:

Project:	Complete	Target Completion	Budget	Carry fwd Required
Parks and Community Amenities Strategy – Just requires final Council approval	100%	Aug-22		No
Maukatua Reserve	85%	Jun-22	\$ 150,000	Yes
Tekapo Lakefront Improvements	15%	Dec-22	\$ 523,878	Yes
Peace Trees	10%	Jun-23	\$ 200,000	Yes
Ruataniwha RMP	70%	Dec-22	\$ 30,000	Yes
Fairlie Town Centre Toilet (2021 TIF)	25%	Oct-22	\$ 704,568	Yes
Pukaki Lookout Toilet (2021 TIF)	25%	Oct-22	\$ 755,233	Yes
Ruataniwha Toilets (2021 TIF)	25%	Oct-22	\$ 364,199	Yes
Fairlie Dump Station (TIF)	20%	Jun- 23	\$ 95,000	Yes
Fairlie Dog Park	5%	Sep-22	\$ 30,000	Yes (Township budget)
Twizel Marketplace Improvements	10%	Oct-22	\$ 122,150	Yes
Pool Heating Contract Fairlie	40%	Sep-22	\$ 236,000	Yes
Pool Heating Contract Twizel	50%	Sep-22	\$ 255,000	Yes
Fairlie Pool Plant Upgrade	0%	Sep-22	\$ 130,000	No (22/23 budget)
Man Made Hill Development Plan	50%	Nov-22	\$ 10,000	Yes(Township budget)
Twizel Implement Development Plan	10%	Dec-23	\$ 422,756	Yes

Fairlie Cemetery Land Improvements (road, landscaping, memorial wall)	5%	Jun-23	\$ 16,000	Yes
Parks Asset Data Collection	5%	Aug-22	\$50,000	Yes

While there is a number of carry forwards at year end there are reasons for them as highlighted in the body of the report. They include the late adoption of the LTP, consenting needs, optimal delivery times, consultation needs, landowner permission etc.

CONCLUSION

Staff continue to be heavily engaged ensuring operational and customer service requirements are effectively managed while also working on the delivery of capital improvement projects, planning and management system improvement projects.

5.3 ENGINEERING MANAGER'S REPORT

Author: Joni Johnson, Engineering Manager
Scott McKenzie, Roading Manager
Geoff Horler, Utilities Manager

Authoriser: David Adamson, General Manager Operations - Acting

Attachments: Nil

STAFF RECOMMENDATIONS

That the information be noted.

UPDATES

New Fairlie Water Treatment Plant

Two milestones were completed:

1. MDC completed the land purchase for site of the new Fairlie WTP.
2. MDC reviewed seven responses to the ROI for the Design/Build contract and selected three contractors to receive the RFP.

Ongoing work:

1. MDC is finalizing the Technical Specifications to be included in the RFP.

Easements Needed at Burkes Pass Water Treatment Plant

MDC is working through two land easements related to our assets in Burkes Pass.

1. We are obtaining easements from two property owners for approximately 1000 meters of land, 5 meters wide, on each side of the Opihi river upstream of our water intake point. This is the designated Water Protection Zone for this water source. Once easements are in place, MDC will fence the area to prevent livestock from entering the river.
2. We are obtaining easements from the property owner of the current location of our treatment facility. We will likely relocate the treatment facility to a location adjacent to our existing water storage tanks and obtain an easement for this section of land. Relocating the plant will make for easier access for our maintenance staff. We will also obtain an easement for the water main running from the source to the treatment plant and then to the edge of the property.

Summary of Stimulus Funding Spent in Mackenzie District

We have presented a summary of all projects funded with the \$5.11 million stimulus grant in a separate report.

Weather Events impact on 3 Waters

The two recent weather events that came through did cause some issues with the sewer system mainly due to vented manholes and private down pipes being channelled into the gulley traps. This is the case for Twizel, Takapo and Fairlie.

Fairlie also has the issue of the old pipes letting in the ground water which is quite high and has been for some time. To deal with this issue there has been a contract let to Brian Perry Civil to reline several sewers based on recent CCTV contracts. In the initial stage there will be 300 metres done. Brian Perry Civil were on site but had to leave due to the first weather event but are back on site now. It is hoped to get another 600-metres done while they are here this will save mobilization costs.

The other issue with the rain event was the normal issue with Fairlie's water getting discoloured. Once the events are over Council contractor flushed the lines to remove the discoloured water from the system.

Attached are photos of the Fairlie Ponds which are full. The disposal fields are not efficiently soaking away due the ground being so wet.







Wastewater at Pukaki Airport

The sewer pump station at Pukaki airport have been pumping 24 hours a day and unable to keep up the flows coming in. After carrying out an investigation it has been found that there are two internal steps missing which is allowing the ground water to enter the system as shown in the photo there are another two water jets below the two shown. These have been programmed for correction.



Sewer Main Renewal

Modelling of the Fairlie sewer system identified that the main line running through the Golf course was under sized. A tender was put on Gets to upsize the main. There were six tenders received. Whitestone Contracting were the successful tenders for this job. They are expected to start in August September.

Mackenzie Park Sewer pump Station Generator

During the construction of the new sewer pump station the power had to be disconnected and the old pump station had to run off the emergency generator for a week. The generator failed after about four days. An assessment was done on the cost of repair it was deemed not worth it. The reason is it is old and parts are very hard to get in New Zealand. This generator has been having issues for several years. It is a cheap generator and is not suitable for this installation. It also generates significant noise which is not acceptable as development encroaches.

This is the latest report on the generator

- Mackenzie Park Genset- 92hrs
- Oil level ok
- Coolant level low indicating a leak and freezing point low at – 10deg
- Cooling system in poor condition when looking inside radiator.
- starting motor pinion has come loose and caused damage to flywheel ring gear
- the amount of damage to the flywheel ring gear indicates the steel used is quite poor.
- Obtaining replacement parts for this genset is challenging,
- if this Genset is critical for the sewer operation and given the gensets past issues, waste spending money on this genset and best put towards a new quality genset.

A new genset (in a canopy) of equal size would roughly be \$18,000 + gst plus installation.

Water Main Renewal Fairlie

Fairlie water main renewal have been progressing well with Rooney's in the last stages of completion. They have had to deal with three weather events during construction. The main turn overs have been done. They are progressing on the tidy up of the road and surrounds.

ROADING UPDATE**Greig St**

Greig St kerb and channel and access upgrade have been delayed due to weather and the conditions being unsuitable for pouring the day of bookings. The concrete scheduling of the subcontractors supplier isn't helping given a waiting list and having to reschedule. Once kerbing is laid and cured the project can then be completed.

Tekapo Western Carpark Works.

These are programming in for the same time as Greig St and as well have been delayed with weather the same subcontractor is programmed to undertake the concrete work. We are awaiting favourable weather to install. The rumble strip and signage had been ordered and we are awaiting the delivery of these to install.

Temple Drive Pathway

Temple Drive works are progressing slowly due to the weather extremes and the cold temperatures. Paul Smith Earthmoving Ltd are doing what they can, but we don't want to compromise the quality of the finished product. Works will continue over the following month or so depending on weather conditions.

Bus Shelters, Lake Tekapo

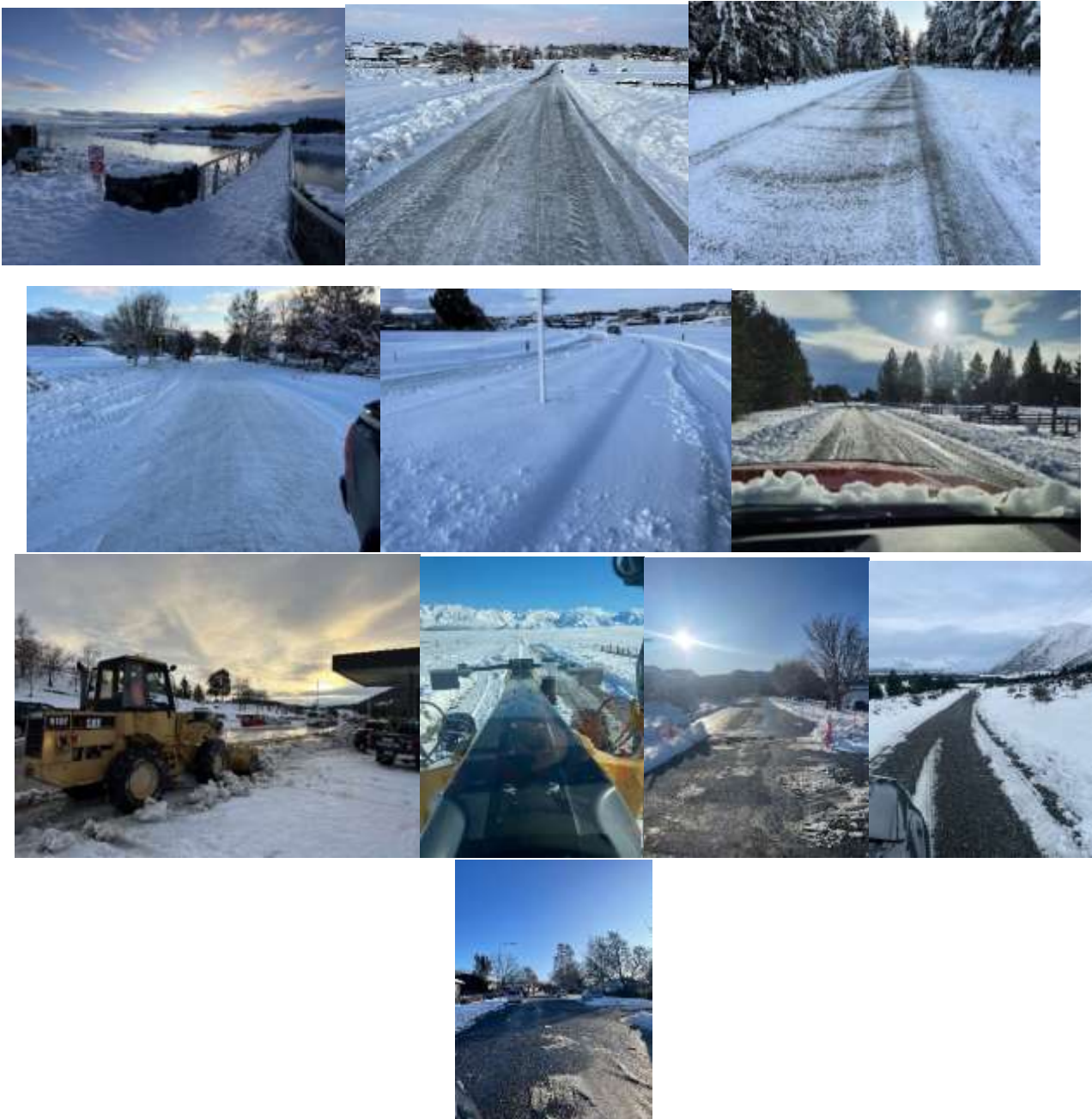
We currently have a draft design for the bus shelters in Lake Tekapo and are working on finalisation of the design prior to construction. Parr & Co is the supplier selected to undertake these works.

Snow Event

A large snow event occurred over the last month around 11 July 2021. A large part of the district was impacted, primarily in the high country. In Albury and Cave areas there was a large proportion of rain causing surface flooding and minor scouring.

Snow clearance was undertaken as per our standard protocol. A couple of complaints were received in relation to the clearance. Discussion have been had with the contractor around some small improvements and changes in clearance procedures but overall, we were satisfied with the works completed. A lot of cars parked around the townships, primarily Lake Tekapo, caused issues in terms of clearing operations due to not being able to plough snow to the kerbs. This wasn't helped given it was school holidays. The change in weather in the Fairlie area with the rain on the 18 & 19 of July 2022 aided in the snow disappearing relatively quickly. The rapid snow melt caused ground water table to rise and overland flow/ flooding.





Flood event

The rain became more prolonged and heavy on the 19th July 2022 which caused widespread flooding and damage across the district. The worst of the damage was in the high country and foothills with some of the flooding on the plains as waterways and overland flow peaked. In some areas the rainfall was very intense causing greater damage. A number of culverts were overwhelmed, blocked, washed out damaged etc. Several abutments of bridges were damaged or will now require protection. A number of slips occurred the most notable for council was on Glen Lyon Road similar to previous events. A large amount of scour occurred across the district. Also surface flood waters submerged, flowed across or poured along roads. This washed away a lot of running course gravel from the surface of the roads. The water and snow melt also softened a number of pavements which may cause further issues with more rain, snow or freeze thaw conditions. The worst affected road was the unsealed section of Haldon Road. A number of other roads suffered significant localised damage.

This event is almost certainly to result in an emergency works claim to Waka Kotahi. We are working through the finer details but it is likely to run into the two and a half to three million dollar to recover fully from the event back to the same standard. Subsidy rates on emergency works is 51% on the first \$350,000 and then 71% on the remaining works completed in the same financial year. The following table gives Council an indication of likely local share if all works were undertaken this financial year.

Total Cost	Local Share
\$2,000,000	\$650,000
\$2,500,000	\$795,000
\$3,000,000	\$940,000
\$3,500,000	\$1,085,000
\$4,000,000	\$1,230,000

A decision will need to be made as to whether additional local share will be funded to match Waka Kotahi funding or to subsidise the local share from maintenance, operations and renewals. The event immediately prior last year wasn't funded and therefore was managed within existing budgets, but this is not sustainable and not recommended. The reasons behind not recommending this course of action are.

- repairs needing to be prioritised for completion over an extended period which causes inconveniences for customers
- will affect levels of service.
- Removal of resilience out of the network
- works programmes need to be reprioritised resulting in moving from a proactive maintenance regime to a reactive regime. This is likely to cause more serious issues in future.
- Conflicts with growth demand in the district, traffic increase, any funding constraints in future and any limited capital improvements.

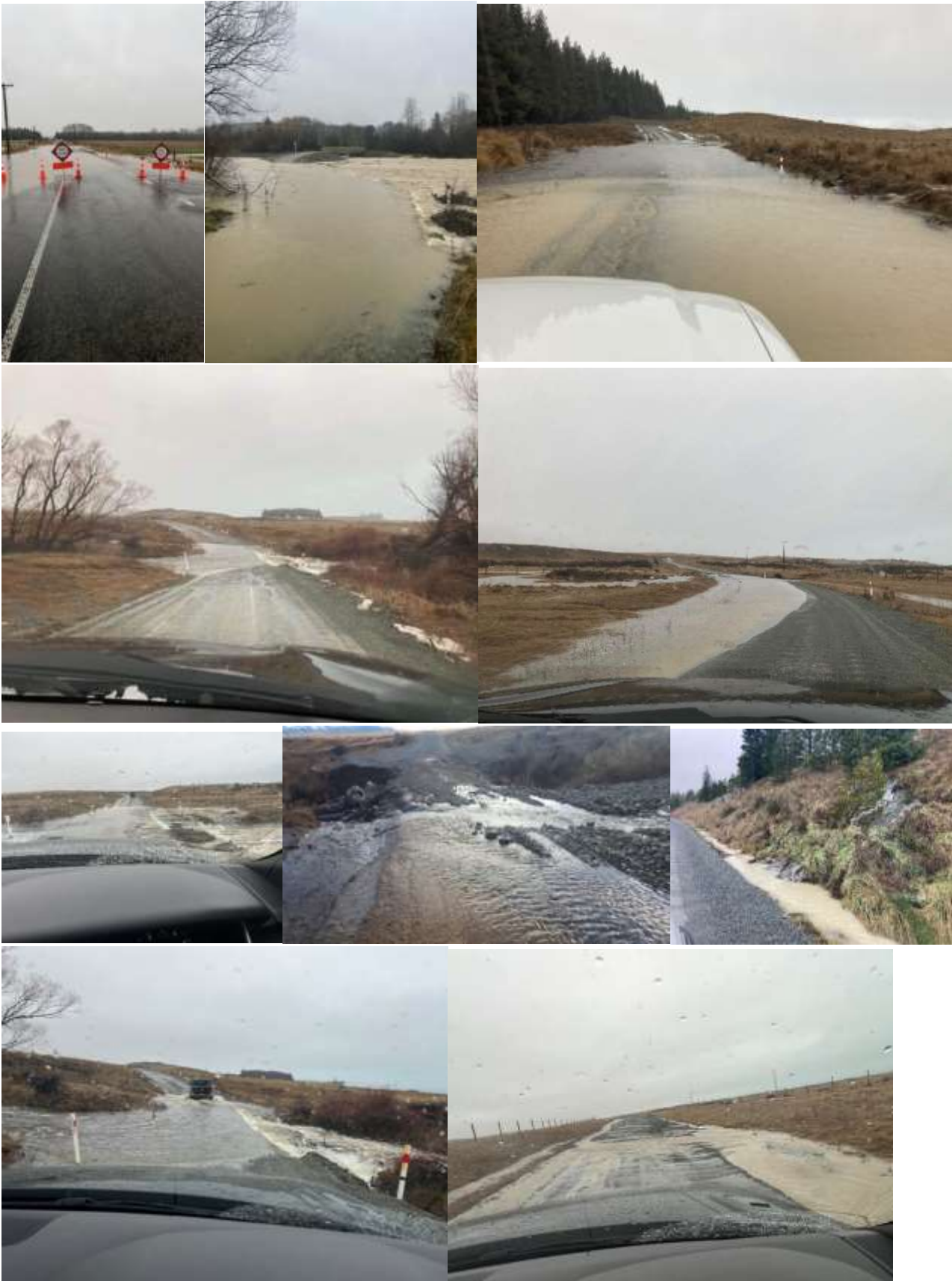
Council needs to consider how it will make provision for these events going forward particularly with climate change and the apparent increase in frequency and intensity of weather events.

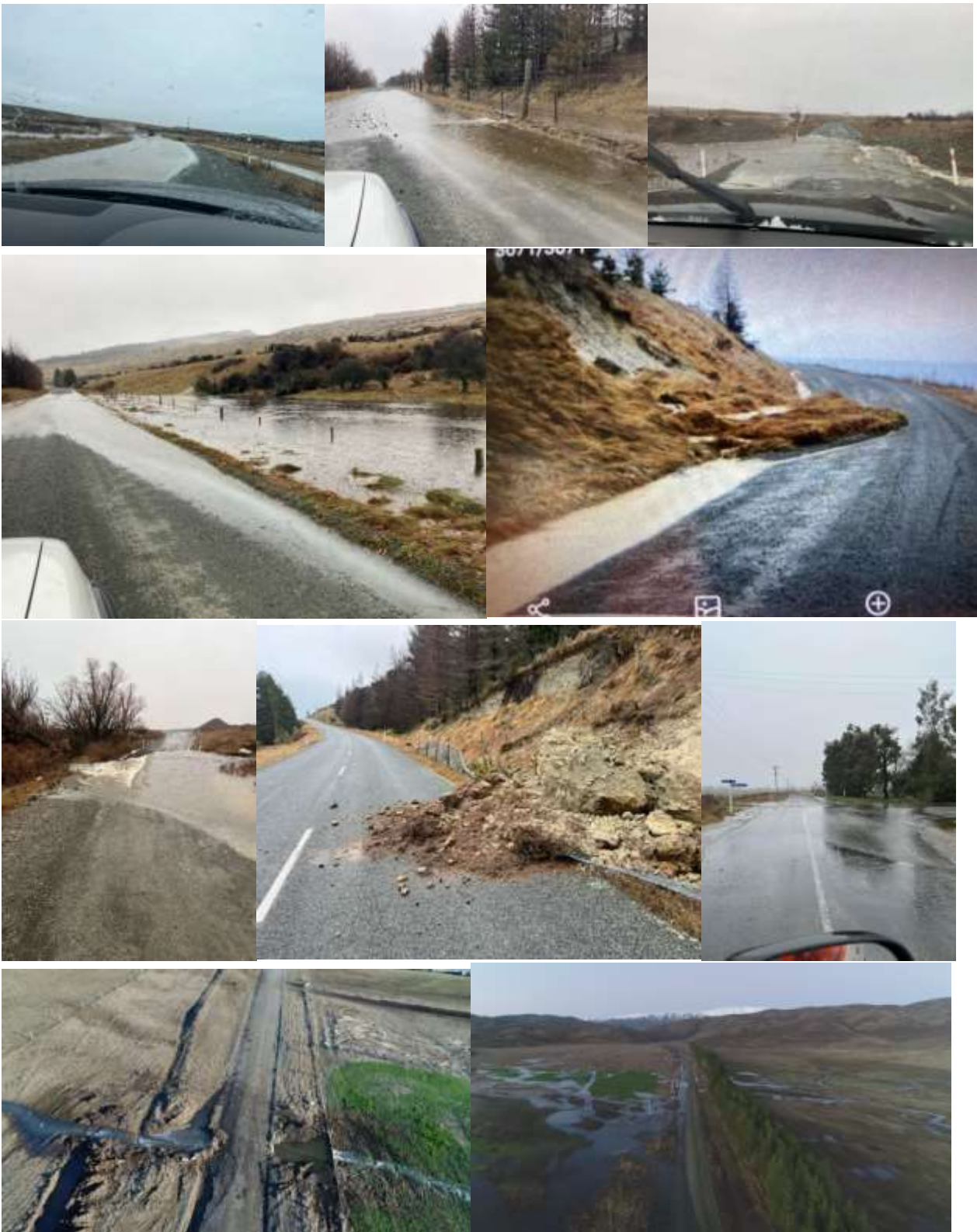
It is recommended that flood event repairs are funded over and above the existing maintenance, operations and renewals budgets.

Council should also consider appropriate funding of betterment to make the network more robust and resilient. If this betterment was incorporated into the repairs the incremental cost would be minimised. If Council supports this approach staff will prepare a business case with urgency for consideration of Waka Kotahi requesting an enhanced subsidy on the emergency works with betterment as this approach will save Waka Kotahi significant costs in the future. If we continue doing what we have always done we will get what we have always got.















5.4 WASTE MINIMISATION AND MANAGEMENT REPORT**N/A****Author:** Angie Taylor, Community Services and Solid Waste Officer**Authoriser:** David Adamson, General Manager Operations - Acting**Attachments:** Nil**STAFF RECOMMENDATIONS**

That the information be noted.

WASTE MINIMISATION AND MANAGEMENT UPDATE**Operations**

The winter season has presented some challenges to waste services, resulting in a number of disruptions to kerbside collections and Resource Recovery Park closures. Weather events have caused several kerbside collections to start late and a number shifted to another day, however all collections have been completed.

New sets of bins continue to be delivered to new properties, with 10 new sets being allocated during June.

Organics collections continue to run smoothly and while the number of bins collected have dropped as expected due to the winter season, bin weights continue to remain heavy by regional standards at an average of 16kg per green bin.

Health and Safety

The contractor has reported that there have been no recent significant injuries or incidents associated with the Waste Minimisation and Management Contract.

Te Pūtea Whakamauru Para - Waste Minimisation Fund

Mackenzie has been fortunate to receive financial support for the introduction of our organics kerbside collection from the Waste Minimisation Fund, which is administered by the Ministry for the Environment.

The purpose of Te Pūtea Whakamauru Para – the Waste Minimisation Fund (WMF) is to boost New Zealand's performance in waste minimisation. The WMF invests in infrastructure, services, and educational activity throughout New Zealand. The fund is enabled through the waste disposal levy.

There is considerable scope in New Zealand to reduce waste and increase the recovery of useful resources from waste. Lifting our performance in recovering economic value from waste also provides environmental, social and cultural benefits and reduces the risks of harm from waste.

A total of \$86,052 has been provided by the WMF out of a total project cost of \$145,520. This cost encompasses the purchase of green wheelie bins and distribution to households within the district. This support from the Ministry for the Environment is gratefully received and has been instrumental in establishing the organics service.

Wheelie bin audits

The new contract provides a shared bin inspector resource with Timaru and Waimate District Council. Bin audits were undertaken in Fairlie in June with a total of 122 bins, including recycling, organics and glass being inspected. Out of the bins that were audited, 4 notes were placed on glass crates and 1 note on a yellow bin for incorrect items. This is a positive result and is shown in the low levels of recycling contamination at the recycling facility.

Resource Recovery Parks

A number of upgrades have been underway at the Resource Recovery Parks. In Twizel, concrete pads have been extended to create a greater sealed area for vehicles. In Tekapo and Fairlie, bunker pads for greenwaste and steel have been extended and new landscaping bund has been formed in Fairlie.



Landscaping bund – Fairlie Resource Recovery Park



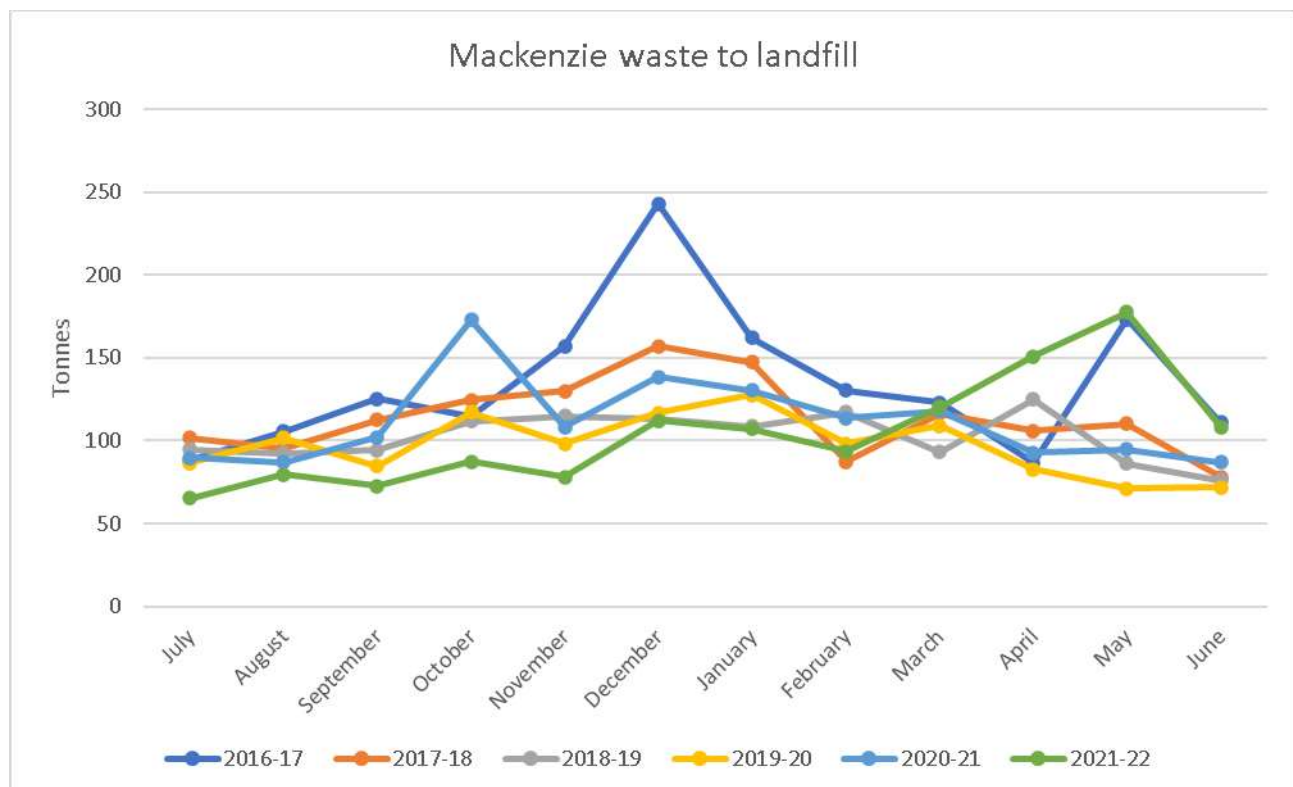
Concrete pad – Fairlie Resource Recovery Park

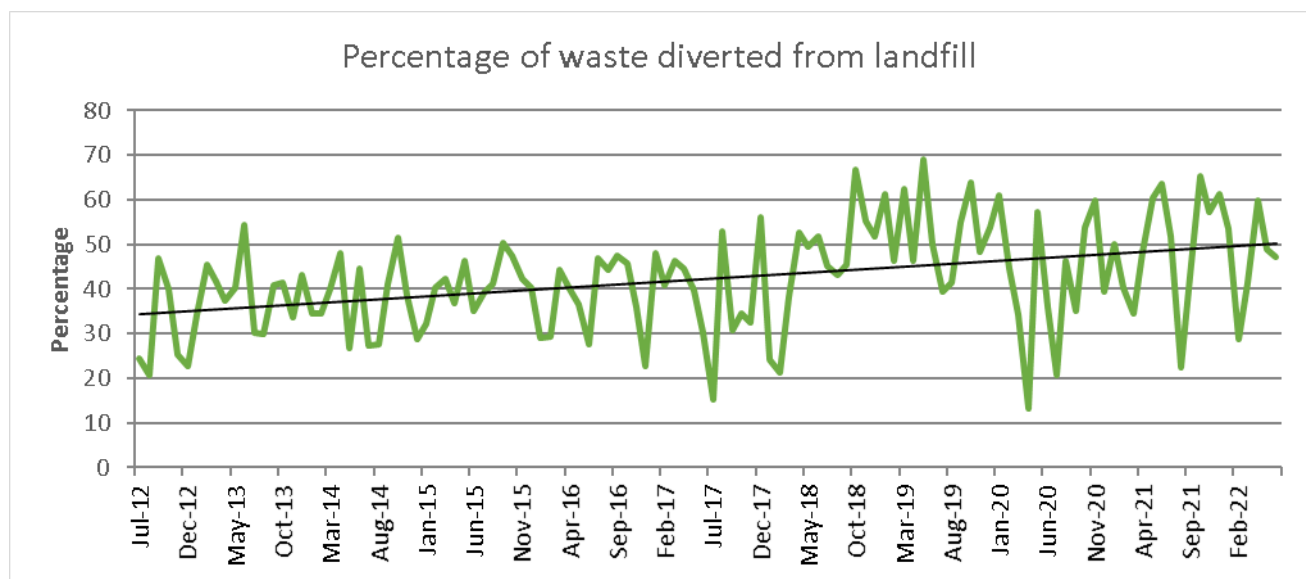
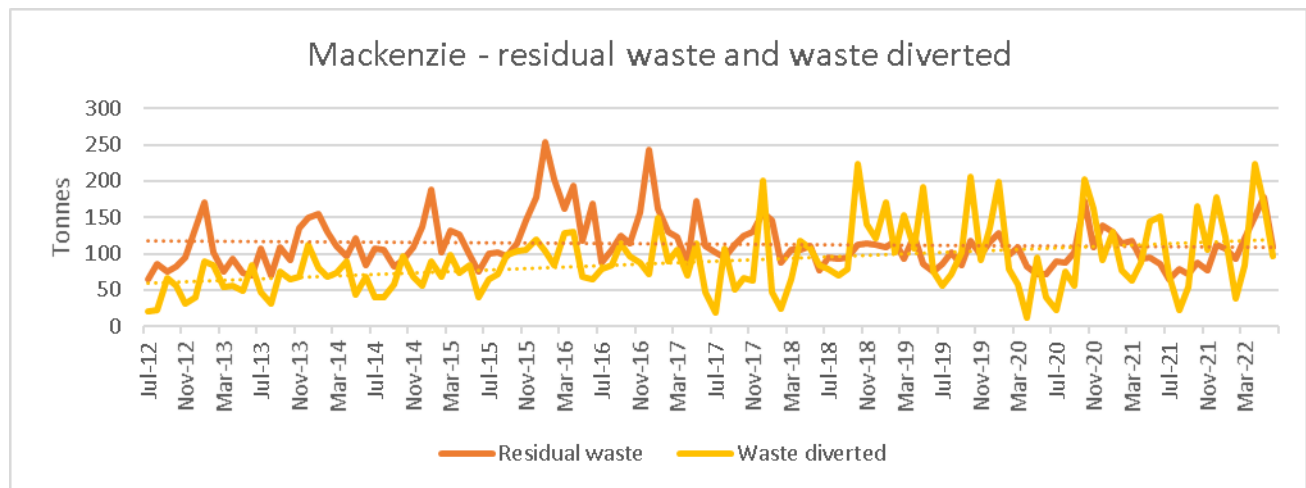


Extended concrete pad for residual waste bunker – Twizel Resource Recovery Park

Waste Data and Trends

Waste diversion continues to remain strong, graphs showing waste data and trends are included below.





5.5 3 WATERS STIMULUS PROGRAMME

Author: David Adamson, General Manager Operations - Acting

Authoriser: David Adamson, General Manager Operations - Acting

Attachments: 1. 3 Waters Stimulus Projects Status Report 30 June 2022 [↓](#) 

STAFF RECOMMENDATIONS

That the information in the 3 Waters Stimulus Programme Report be noted.

BACKGROUND

The purpose of this report is to update Councillors regarding progress on the \$5.1m 3 Water Stimulus Grant provided by the Crown.

INTRODUCTION

The Mackenzie District Council 3 Water stimulus programme was effectively completed by 30 June 2022. 100% of the available funding \$5,111,000 was expended by 30 June 22 as required by the funding agreement between the DIA and MDC.

To ensure that MDC achieved the 100% all contingent amounts were committed to works over the last quarter of the programme, this has resulted in a slight over expenditure which has been more than compensated by the increased stimulus grant amount utilised in the water mains renewal project.

A funding request for \$375,000 was lodged in May and payment received in June. Total grant monies received to date \$4,599,236, the funding agreement included provision for the final 10% (\$511,764) to be paid once DIA have been satisfied that the full grant has been expended by the due date as demonstrated by the final report submitted 14 July 2022.

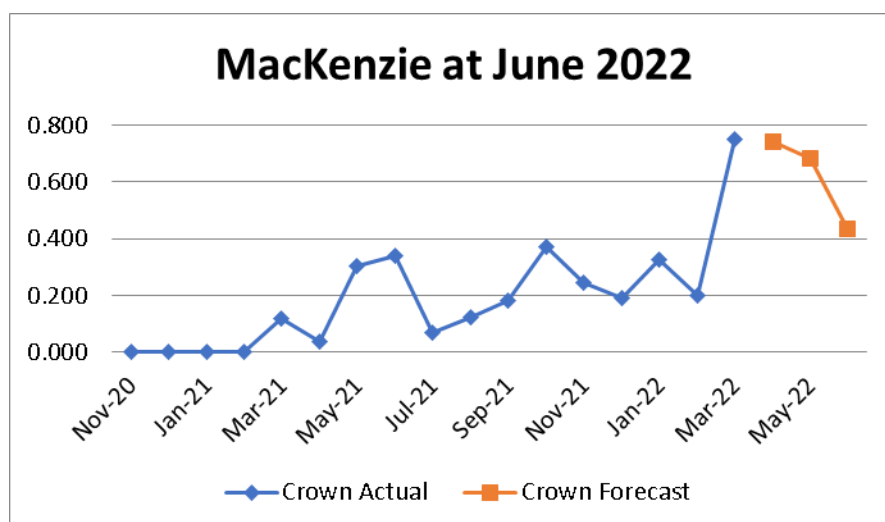
OVERVIEW

- Crown grant of \$5.111m, which enabled MDC to undertake as many exciting projects as it could not otherwise address
- Originally the DIA approved 32 Projects that enabled 3W planning and would improve outcomes for the community. As the programme has evolved a number of the proposed projects have been merged, some completed by others and a number discarded leaving 23 active projects of which:
 - 20 have been completed.
 - 1 (Burkes Pass WWTP Upgrade) minor amount of remedial work to the existing weir to be completed.
 - 1 (WWTP monitoring equipment) equipment ordered but not yet supplied.
 - 1 (Twizel Water Metering) implementation has been deferred due to supply chain issues which will not be resolved by the US supplier until early 2023.

- The Crown extended the deadline from March 2022 to June 2022 and then in June advised that grant funds for any projects which were committed by 30 June 22 but not completed would continue to be available until 30 December 22. As the Mackenzie District Grant was fully expended as a 30 June 22 this was not of relevance.

FINANCIAL

- Up to the end of June 2022, expenditure to date was \$5,170,182 of which \$5,111,000 is covered by the grant
- Total grant monies received to date \$4,599,236, the funding agreement included provision for the final 10% to be paid once DIA have been satisfied that the full grant has been expended by the due date.
- End of programme documentation has been supplied to DIA (14 July 22), to date no requests for further information have been received.
- The balance of the grant \$511,764 has been accrued into the June accounts.



Graph from final DIA report (values in orange is actual expenditure over June expenditure)

PROGRAMME

Works Progressed In Q7 (quarter ending 30 June 2022)

#3 Tekapo/Takapō WWTP options report, MDC comments have been included in the final report and accepted as complete by MDC.

#7 Mckenzie Park pump station and rising main, final electrical installation and commissioning planned for 8 July, Ice on the road delayed the supply of last components which was compounded by the Controls integrator getting Covid the day electrical installation was to start. Only works completed to 30th June have been included in the Q7 report.

#13 Burkes Pass WWTP. Electrical installation and civil works completed, however in fitting the new V-notch weir it was noted that the existing concrete had extensive acid attack and the weir plate is in the process of being modified to strengthen the existing weir, these modifications should be complete by the end of July. Only works completed to 30th June have been included in the Q7 report

#14 CCTV investigations were completed in March 2022. As a result of the investigations MDC have tendered and awarded contracts tenders for replacement and lining of wastewater pipes in Fairlie.

#15 Hydraulic modelling of WS to Twizel, Tekapo/Takapō, Fairlie and Allandale and WW to Twizel, Tekapo/Takapō and Fairlie have been completed. The Twizel models are being used to inform the design of the replacement Twizel ring main and the design of a new screens and influent structure at the Twizel WWTP.

#18 WWTP monitoring equipment has been ordered and is being funded out of the MDC LTP.

#20 Desludging of all ponds has been completed, ~ 875 dry tonnes of biosolids have been removed from the ponds. For Fairlie this has enabled MDC to lower the pond level back to the design level.

#28 Water Safety Plans for Twizel, Tekapo/Takapō, Burkes Pass, Fairlie, Allandale and Albury have all been completed and once signed off by MDC are ready to be submitted to Taumata Arowai.

Works Deferred (to be completed in MDC LTP 22/23 programme)

#24 Twizel water meters, originally scoped as a trial, the work is currently being rescoped as full Advanced Metering Infrastructure (AMI) installation for Twizel. Programme delivery is dependent on supply of Gen X Cybles to enable the existing manifold meters to be converted to smart meters attached to the existing Alpine Energy Silver Springs metering network. Funding transferal with the main replacement programme enables this project to proceed within original funding envelopes set by Council.

INDIVIDUAL PACKAGE SUMMARY STATUS

(numbers refer to original project numbers assigned for DIA reporting)

Scopes for individual projects/packages have been refined to suit conditions. Some minor changes to forecasts have been made.

Further detail can be found on the attached spreadsheet '3W Stimulus Projects – Status 10522

#1 Water Supply Mains Renewals – Replacement of end of life AC pipework in Twizel, Tekapo/Takapō and Fairlie.

Consultant: Beca Consultants

Contractor(s): Paul Smith & Rooney Earthmoving.

#2 Hydraulic modelling of Alloway area stormwater, deleted from programme PSR2 and budget \$25k transferred to Project #1.

#3 Options study for future Tekapo/Takapō WWTP- Study completed by GHD, included initial investigations to confirm infiltration rates in disposal area for the recommended location.

Consultant: GHD

#4 Design of upsized WW line through Fairlie golf course, to be completed after Hydraulic model. Hydraulic modelling programme meant that inadequate time to complete within the programme completion date, 31 March 22, budget reassigned to Project #1 (PSR 2)

#5 Design replacement for Sloane St Timber box culvert. Deleted from programme PSR2 and budget \$35k transferred to Project #1.

#6 & #7 New Pump Station and Rising Main from Mackenzie Park/ Tussock Bend to Twizel WWTP. New pump station to facilitate the planned expansion of Mackenzie Park & Tussock Bend in line with the Twizel Spatial Plan.

Consultant: Baseline
Contractor: Rooney Earthmoving

#8 Lakeside Pump Station, design of new pump station to development in Tekapo/Takapō. Developer has designed and constructed the pump station.

#9 Environmental Improvements to WWTP disposal fields in consultation with Runanga. As per consultation fencing to Twizel, Tekapo/Takapō, WWTP have been upgraded. Desludging programme delays have delayed the Fairlie fencing beyond the programme completion date, balance of budget transferred into Project #1 (PSR 2)

#10 Study to investigate options for Stock Truck Effluent station at Twizel. Did not proceed as provision of stock effluent stations on State Highways is a Waka Kotare responsibility.

#11 Septage disposal at Twizel & Fairlie. Options study for septage disposal at Twizel and Fairlie. MDC have carried the implementation of the recommendations into their YR23 capital programme.

Consultant: Tiaki Environmental

#12 & #13 Burkes Pass Waste Water treatment Plant upgrade. Install power supply and telemetry to the Plant, Modifications to the outlet to enable sampling, flow metering and remote switching of seepage pipes. With power and telemetry MDC have included in their capital programme, the supply and installation of a DO meter into the outlet chamber. As part of this project MDC have formalised the easement for the access across private property to the WWTP. The poor state of the existing concrete weir has necessitated modification to the V notch design and delayed the completion beyond the 30 June 22 completion date.

Consultant: Beca

Contractors: Whitestone Contracting, Martin Schurgers Electrical

#14 CCTV to Fairlie (3.9km) and Tekapo/Takapō (4.3km), because of the Fairlie inspections MDC have brought forward a relining and replacement project.

Consultant: Beca

Contractor: Intergroup

#15 & #16 Hydraulic Modelling of Water and Wastewater networks for Twizel, Tekapo/Takapō & Fairlie.

Consultant: Watershed Engineering

Survey: Milward Finlay Lobb

#17 Investigation and report on additional monitoring equipment at WWTP to improve operations and demonstrate compliance.

Consultant: Beca

#18 Purchase and install monitoring equipment to WWTP's and because of Water Safety Plans UVT meters at Twizel and Tekapo/Takapō water treatment plants.

Suppliers: Swan & Xylem

Installer: Whitestone Contracting.

#19 Specification and Tender package for desludging WWTP ponds Twizel, Tekapo/Takapō and Fairlie.

Consultant: Beca

#20 Desludge WWTP ponds Twizel (479 tonnes), Tekapo/Takapō (119 tonnes) & Fairlie (275 tonnes).

Contractor: Southwater

#21 design (performance specification) for influent screens to Twizel, Tekapo/Takapō and Fairlie WWTP. Scope has increased to allow for tankered waste (septage) reception at Twizel and Fairlie. Implementation of works is included in MDC capital programme for 22/23.

Consultant: Tiaki Environmental.

#22 District wide review of potable water supplies that fall under the Water Services Act 2021.

Objective was to create a database of supplies. However while the district wide review was undertaken, Information gaps (accurate information was only gathered for 28% of properties not on a registered scheme) precluded a database from being created. The Study/report covering "drinking water supplies to remote properties" was delivered under project # 26

Consultant: Aqualinc

#23 Research and recommend water metering system for Mackenzie District Council.

Recommendation was for an AMI using the existing Alpine Energy RF Mesh network.

Consultant: Water Cycle Consulting

#24 Supply and Install meters to Twizel as a proof-of-concept trial before proceeding with a district wide installation programme. Due to supply constraints, affecting the manufacture of the coms module, the trial has not proceeded and the implementation has been added into MDC capital programme 22/23.

Supplier: Smartco/Itron

#25 Sustainable Water Supply. Mackenzie District Council has some of the highest per capita consumption in NZ and experiences supply limitations during peak summer periods. The study identified water demand issues, identified options to resolve issues and recommend preferred solutions. The preferred solution AMI metering is being incorporated in Project #24.

Consultant: Water Cycle Consulting

#26 Report "Remote Water Supplies" The report quantified the probable numbers of "small suppliers" and completed a more detailed assessment of the known unregistered schemes with more than 4 houses. It was intended that this would provide an opportunity to educate the small users on what Taumata Arowai rules would look like and the time frame to register and comply.

But confusion in the rural community over The Drinking Water Act 2021, Te Mana o Te Wai and the Three Waters Reform precluded any effective consultation.

Consultant: Aqualinc

#27 “Remote Property Supply Improvement Projects” this project was briefed to allow for the implementation of any quick wins arising from the recommendations arising from project #26 “Remote Water Supplies” The funding for this work was transferred (PSR 1) to project #28 when the scope was increased to cover all schemes owned by MDC.

#28 & #29 Review the condition and risks of the Allandale and Albury Rural water schemes. The scope was increased early to undertake “**Water Safety Plans**”, as required by Taumata Arowai to be in place by November 22 for all schemes owned by Mackenzie District Council. (Twizel, Tekapo/Takapō, Burkes Pass, Fairlie, Allandale and Albury.

Consultant: WSP

#30 Connect Allandale Industrial WW to the Fairlie WWTP (Report) – Removed from programme in PSR2, as better able to be delivered through LTP.

#31 Twizel WWTP – Groundwater monitoring sites for compliance testing (Report) – This scope has been completed at no cost by use of two existing ECAN bores, and upgraded GW submersible pump (supplied by maintenance contractor).

#32 Preparation for Reform, an allowance in the programme to cover costs to MDC to respond to RFIs from Taumata Arowai and Department of Internal Affairs. ~ \$50k of staff time has been billed to this project.

Mackenzie District Council - 3-Waters Stimulus Packages - Status
30 June Update




GL Code	Project ID	Project Title (As Per DIA report)	Description	Budget	Actual to June	Included in DIA Funding	Completion	MDC Action s/Progress
412441	1	Water Supply Mains Renewals - scope/design/constn (Fa/Tek/Twi)	Water Supply Mains Renewals.	\$546,000	\$1,468,427	\$1,433,009	✓ end June 2022	COMPLETE
411446	6	New Rising Main Mackenzie Park to Twizel WWTP - Design	Rising Main Mackenzie Park to WWTP (design)	\$35,000	\$77,546	\$77,546	Complete November 21	COMPLETE
	7	New Rising Main Mackenzie Park to Twizel WWTP - Pipe Supply	PE pipe pre-order to mitigate supply issues	incl below		Incl Below	✓ Hynds 27/10/2021	
411447	7	New Rising Main Mackenzie Park to Twizel WWTP - Construct	Rising Main Mackenzie Park to WWTP (construction)	\$990,000	\$922,700	\$922,700	end June 2022	Installation Complete, commissioning to be undertaken
411448	8	Lakeside WW pumping station Takapō	Lakeside WW pumping station - Tekapo	\$50,000	\$1,403	\$1,403	N/A	REMOVED FROM PROGRAMME
4113619	19	Desludge WWTP ponds (design & tender)	Desludge WWTP ponds (design & tender)	\$30,000	\$106,484	\$106,484	✓ end Jun 2021	COMPLETED
4113620	20	Desludge WWTP ponds Takapō, Twizel & Fairlie	Desludge WWTP ponds Takapō, Twizel & Fairlie	\$850,000	\$1,014,579	\$1,014,579	May 22	All works completed.
4113631	31	Twizel WWTP - Groundwater monitoring sites (compliance)	Twizel WWTP - Groundwater monitoring sites.	\$15,000	\$908	\$908	N/R	REMOVED FROM PROGRAMME
4113603	3	Furure Planning for Takapō WWTP plant	Furure Planning for Takapō WWTP plant	\$300,000	\$273,484	\$273,484	end March 2022	COMPLETED
4123623	23	Water Metering Trial - scope Twizel & tender package	Scope & Design for #24	\$25,000	\$51,283	\$51,283	✓ end Nov 2021	COMPLETED
412464	24	Water Metering Trial - Twizel (part) Supply meters	Physical works - supply meters only	\$350,000	\$3,852		UNKNOWN	Deferred until AMI supply confirmed.
4123625	25	Sustainable Water Demand Study (usage reduction) & exemplar projects	WS Study & Trials	\$290,000	\$51,496	\$51,496	✓ end Nov 2021	COMPLETED
411461	21	WWTP Influent screens - 3 sites - Design (perf spec only)	WW Study/Design	\$25,000	\$46,673	\$30,817	July 22	Scope increased to include design and tender documents.
411452	12	Burkes Pass WWTP Upgrade - Design flow meter/baffles for compliance	Burkes Pass WWTP Compliance - Design	\$30,000	\$37,787	\$37,717	✓ end-Sep 2021	COMPLETED
411453	13	Burkes Pass WWTP Upgrade - Installation flow meter/baffles for compliance	WWTP Compliance - Install	\$50,000	\$50,091	\$50,091	End June 22	Additional remedial works to weir to be completed July 22
4123622	22	22 - Water Supply Sources Database	Document all drinking water sources and private networks -	\$90,000	\$90,994	\$90,994	✓ end Nov 2021	COMPLETED
4123626	26	26 - Drinking Water Supply to remote properties		Incl Above	\$9,733	\$9,734	Incl Above	Incl Above
4123629	29	Allandale WS Compliance Study		\$30,000	\$0	\$0		INTEGRATED INTO PROJECT #28
412467	27	Potable Water Supply to remote properties - install new or upgraded works	Implement priority recommendations from study	\$175,000	\$0	\$0		REMOVED FROM PROGRAMME
4113614	14	CCYV Condition Assessments (Takapō & Fairlie)	CCTV	\$200,000	\$179,733	\$179,733	end March 2022	Works completed March
4113615	15	15 - Sewer Modelling (FAI, TEK, TWI)	Hydraulic modelling	\$250,000	\$254,114	\$252,134	Jun-22	Modelling completed and final reports received.
	16	16 - Water Supply modelling (FAI, TEK, ALLAN) - TWI	Twizel added		\$2,767	\$2,767		
4113617	17	WWTP Monitoring Equipment - Scope		\$25,000	\$30,227	\$30,227	✓ end-Oct 2021	COMPLETED
411458	18	WWTP Monitoring Equipment procure and install		\$210,000	\$2,072		44713	Monitoring equipment ordered.
411444	4	4 - Upsize WW (470m) Fairlie Golf Course - design only	Hydraulic Designs and Estimates only	\$35,000	\$0	\$0	N/A	REMOVED FROM PROGRAMME
413442	2	SW Management Control (Flooding) - Alloway area, Fairlie	Hydraulic Designs and Estimates only - Fairlie WW & SW	\$25,000	\$0	\$0	N/A	REMOVED FROM PROGRAMME
413445	5	SW - Realign or replace Sloane Street SW timber box culvert		\$35,000	\$0	\$0	N/A	REMOVED FROM PROGRAMME
4114611	30	SW Connect Allandale Rd Industrial WW to Fairlie WW network		\$45,000	\$0	\$0	N/A	REMOVED FROM PROGRAMME
4113610	10	10 - Stock Truck effluent station - study Deleted - \$20k funds transferred to package 17	Options Study	\$0	\$0	\$0	N/A	REMOVED FROM PROGRAMME
4113611	11	11 - Septage disposal (study)	Options Study	\$45,000	\$22,920	\$22,920	Draft Report Complete	Completed
4123628	28+29	Scope Change, WSP's covering 5 (or 6) MDC supply schemes (previously compliance checks Albury Rural)	Water Safety Plans for Compliance	\$80,000	\$137,934	\$137,934	June 22	Reports completed ready for MDC sign off
4114492	9	Review WWTP fencing at WWTP's. Address H&S (access). Install to budget	Deer fencing (safety). Will be done in conjunction with desludging	\$30,000	\$10,382	\$10,382	Jun-22	Geoff arranging fencing after desludging completed.
4123632	32	Preparation for Reform - implications for MDC structure/ops/rates		\$50,000	\$50,072	\$50,072	Jun-22	
4113633	33	Programme Delivery		\$200,000	\$272,590	\$272,590	Jun-22	
				\$5,076,000	\$5,170,251	\$5,111,000		

5.6 LAKE RUATANIWAHA DRAFT RESERVE MANAGEMENT PLAN

Author: Brian Milne, Community Facilities and Services Officer - Contractor

Authoriser: David Adamson, General Manager Operations - Acting

Attachments:

1. Lake Ruataniwha Draft RMP [↓](#) 
2. Lake Ruataniwha Draft Concept Development Plan [↓](#) 
3. Summary of submissions [↓](#) 

PURPOSE OF REPORT

To approve the draft Reserve Management Plan for Lake Ruataniwha for public consultation and submission.

STAFF RECOMMENDATIONS

1. That the report on the draft Lake Ruataniwha Reserve Management Plan be received.
2. That the Draft Lake Ruataniwha Reserve Management Plan be approved for public consultation

BACKGROUND

All reserves that have been gazetted and classified as reserves under the Reserves Act require a Reserve Management Plan to be prepared for their management and development (Section 41(1)).

The Lake Ruataniwha Draft Reserve Management Plan (RMP) and concept development plan has now been completed following initial informal engagement inviting comments and suggestions and stakeholder consultation.

Refer to three attachments.

The Twizel Community Board has considered and approved the plans, for issuing for consultation.

Following approval by Council the next step is formal public notification with a minimum of a two month period to submit written objection or comments.

Results of the submissions and any suggested changes will be reported back to the Community Board in the first instance for consideration, before reporting back to the Engineering and Services Committee. A formal hearing may also be required to consider submissions.

POLICY STATUS

NIL

SIGNIFICANCE OF DECISION

The PMP and Concept Development Plan do not directly commit Council to any expenditure, however by producing these documents, it does raise an expectation in the community that Council will progress improvements and development to the reserve over time.

This investment will be significant and will also lead to higher service levels and operating costs in the future.

It is anticipated that the majority of capital investment will be funded from the Land Subdivision Reserve Fund

OPTIONS

- 1 That the Draft RMP be approved for public consultation
- 2 That the Draft RMP and Concept Development Plan be referred back to staff for amendment
- 3 That Council does not proceed with the preparation of a Reserve Management Plan and rely only on the draft concept development plan
- 4 That Council does not proceed with either the RMP or Concept Development Plan

For option three, this involves not developing the RMP, which has an extensive public consultation process and is a legally binding plan once adopted. Instead leaving it as an informal document together with the Concept Development Plan, to guide future reserve development.

CONSIDERATIONS

Legal

The preparation of a RMP is required to follow the procedures define in the Reserves Act 1977.

As we have now notified intention to prepare a plan, deciding to stop the process at this point would require clarification of our legal obligations.

Financial

Adoption of the plans will create a community expectation of improvement and development of the reserve in coming years.

Developments and higher usage will lead to higher levels of service and increased operating costs

Other

The following are key elements of the plan worth noting:

- Proposal for sports grounds/court and associated facilities adjacent to the rowing centre
- Development of a destination level playground
- Dedicated dog park area
- Restriction of vehicle access direct to the lake edge in the “lagoon” area
- Progressive removal of wilding pines and replanting with amenity trees
- Improved/formalised walking/cycle trail around the lake edge
- Improvements to boat ramp trailer parking

Stakeholder consultation and submission were very positive regarding development of the park, including general support for the idea of creating a future hub for Twizel sports fields and facilities at the reserve.

A letter of support for the draft RMP has also been received from Arowhenua.

CONCLUSION

Following a positive response through initial stages of community engagement it is recommended that the Lake Ruataniwha RMP and Concept Development Plan be progressed to the next stage of development, being a two-month formal consultation/submission period.

Foreword_

This is the first draft Reserve Management Plan that has been prepared for Ruataniwha Recreation Reserve. It relates to Section 1 SO 346762 comprising of 68.77ha of land classified recreation reserve located on the Western shores of Lake Ruataniwha .

This plan has been prepared in consultation with mana whenua, key stakeholders and the public using the process set out in section 41 of the Reserves Act 1977. It is a high-level policy document rather than a detailed operational plan that primarily focuses on providing a framework for determining what needs to be considered when managing, developing and enhancing the reserve into the future.

Contents_

- 1.0 Exiting Park Features
- 2.0 History
- 3.0 Vision
- 4.0 Reserve Values
- 5.0 Opportunities
- 6.0 Future Aspirations
- 7.0 General Management Intentions
- 8.0 Special Management Areas
- 9.0 Nohoanga

1.0 Existing Park Features_



2.0 Brief History_

The land now known as Lake Ruataniwha Recreation Reserve sat along the edge of the braided Ohau River was once part of the large Ruataniwha Sheep Station. A large portion of the station was purchased by the NZ Electricity Department as part of the site for the township of Twizel (founded in 1968).

As a result of the Upper Waitaki Hydroelectric project, lake Ruataniwha was formed between 1977 and 1981. Ever since the lake's shallow water make it a family favourite for swimming and recreation.



The hydro project incorporated provision for recreational and sporting use of the lake in its design and construction.

This included planting trees, shaping the lake edge and providing infrastructure such as launching ramps and rowing facilities to support these activities.

The reserve was officially created in 1996 when the crown set aside the land for reserve purposes, classified it recreation reserve and vested management in the Mackenzie District Council.

3.0 VISION_

***‘An attractive, well used multi-use recreation destination
in an inviting lakeside setting, valued and enjoyed by locals
and visitors alike.’***

4.0 Reserve Values _



Destination recreation experience



Variety of recreational opportunities



Iconic views and vistas



Access and connection to the lake edge



Large areas of accessible open space

5.0 Future Aspirations_

1. People of all ages enjoy fun, welcoming and attractive spaces for recreation, play and relaxation
2. Events and activities contribute to the vibrancy of the reserve
3. Easy and practical access to the lake edge
4. A hub for sport and recreation activities
5. Shared paths and trails are safe, convenient and interesting
6. Visitor facilities are well placed, well used and developed to a high standard
7. A wilding tree dominated landscape transformed to a useable, environmentally responsible and attractive park setting
8. A premier location to enjoy vistas of iconic Mackenzie landscapes
9. Visitors are able to connect with nature as well as the unique history and cultural heritage associated with the area

6.0 Key Opportunities

1. Improve the quality and quantity of visitor facilities to support recreational use
2. Improve the play offer at the park including establishing a destination style playground
3. Expand and develop the shared path network
4. Progressively transition from self-sown wilding trees to a deliberate and well thought out tree planting
5. Improve recreational access and opportunities the lake edge
6. Removal of willows and other lake edge vegetation that hinders the attractiveness and useability of the reserve for casual lakeside recreation
7. Investigate the feasibility of developing underused open space for sports fields/courts and other recreation facilities
8. Develop roadways, car and boat trailer parking and boat launching areas to reduce dust and help minimise unorganised vehicle congestion in popular areas
9. Carefully considered tree removal and replacement planting to improve and protect viewshafts
10. Establishment of a dedicated dog exercise area
11. Formalise South Island Rowing's use of the reserve through leases and licences for rowing infrastructure
12. Create areas and settings that encourage and promote use of the reserve for events and other organised recreational activities.

7.0 General Management Intentions

7.1 Landscape and vegetation

7.1.1 Focus landscape enhancement and vegetation management on:

- Removing invasive exotic species and restoring and enhancing native biodiversity
- Improving and enhancing landscape character and reserve amenity
- creating intimate lake side spaces for informal recreation
- improving recreational access and connection to the lake
- provision of shade, shelter and wind protection

7.1.2 Carefully plan and manage wilding tree removal and replacement planting in a way that:

- Maintains shade and shelter, particularly in high use recreation areas
- maintains wind protection for rowing events and activities
- minimises impact on the reserves landscape character as new vegetation establishes
- considers the impact on views and vistas across the lake, to and from other parts of the reserve and of the surrounding iconic Mackenzie landscape.

7.1.3 When replacing existing trees or planting new specimen trees favour:

- specimen trees that provide, scale, shade, wind protection and vibrant autumn colour
- group planting of native species indigenous to the local area
- drought tolerant and fire-resistant species.

7.2 Activities, events and improving the visitor experience

7.2.1 Provide for an enhanced network of shared use paths and connections throughout the reserve, including a path along the reserves lake edge and connection to the Twizel shared path, neighbouring Rowing Centre site and Lake Ruataniwha Holiday Park.

7.2.2 Provide an area for a dedicated dog exercise area away from popular high use, recreation areas.

7.2.3 Improve the ability for visitors to connect with nature and understand the history and heritage of the surrounding area through interpretation, recreation activities and enabling use of the reserve for education programmes.

7.2.4 Encourage and provide for events that increase use and add to the vibrancy of the reserve.

7.2.5 Encourage use of the reserve for a variety of sport, recreation and events, including development of

underutilised areas of open space to support these activities.

- 7.2.6 Continue to provide for horse riding in the reserve including considering opportunities for a dedicated horse float parking and unloading area and work with the equestrian community to minimise potential conflicts between horse riding and other recreational activities.
- 7.2.7 Consider upgrading and realignment of internal park roads and carparking areas to provide better access to facilities, reduce dust and provide an additional buffer between vehicles and the lake edge to improve amenity, recreation and environmental values.

7.3 Reserve Infrastructure

- 7.3.1 Enable installation of utilities such as power, water and wastewater through the reserve to connect existing or future reserve infrastructure to mains supply.
- 7.3.2 Provide for reserve infrastructure that enhances the usability and capacity of the reserve to meet recreation needs such as toilets, paths, roads and carparking, shelters, seating and other recreation related infrastructure.
- 7.3.3 When developing new or replacing existing reserve infrastructure, consider the impact that of the proposed location, design and function of the infrastructure will have on the natural, cultural and landscape values of the park.
- 7.3.4 Provide for infrastructure that supports use of the reserve for organised and informal sport and active recreation such

as rowing related infrastructure and other facilities for example a pavilion/changing rooms, tracks and trails and turf drainage and irrigation.

7.4 Working with others

- 7.4.1 Work together with mana whenua to recognise and interpret the cultural significance of the Ohau River and wider cultural landscape prior to the formation of Lake Ruataniwha.
- 7.4.2 Work together with South Island Rowing to understand their future development aspirations and capitalise on complimentary development, connections and landscape amenity between the sites.
- 7.4.3 Where opportunities arise, work together with other agencies and community organisations, to protect and enhance reserve values and manage recreation. For example, weed and animal pest control, lake edge vegetation removal and use of the reserve for water based recreation such as fishing and boating.
- 7.4.4 Work together with Meridian Energy to manage recreational activities, vegetation and maintenance within their operational easement along the lake edge and along their boundary with the reserve.

7.5 Leases, licences and agreements

- 7.5.1 Consider providing licences for commercial activities that enhance the visitor experience and promote vibrancy, increased public use and

enjoyment of the reserve. Such as mobile food and beverage and recreation equipment hire.

- 7.5.2 Provide for leases and licences that support organised sport and recreational use, including rowing and field/court based sport and infrastructure. For example upgrading and renewing existing rowing facilities and other infrastructure that supports use of the reserve for organised sport and recreation such as a pavilion, changing rooms and other ancillary facilities.
- 7.5.3 Provide for leases and licences that formalise South Island Rowing's existing rowing related infrastructure located on the reserve.

8.0 Special Management Areas

8.1 Lake side areas_

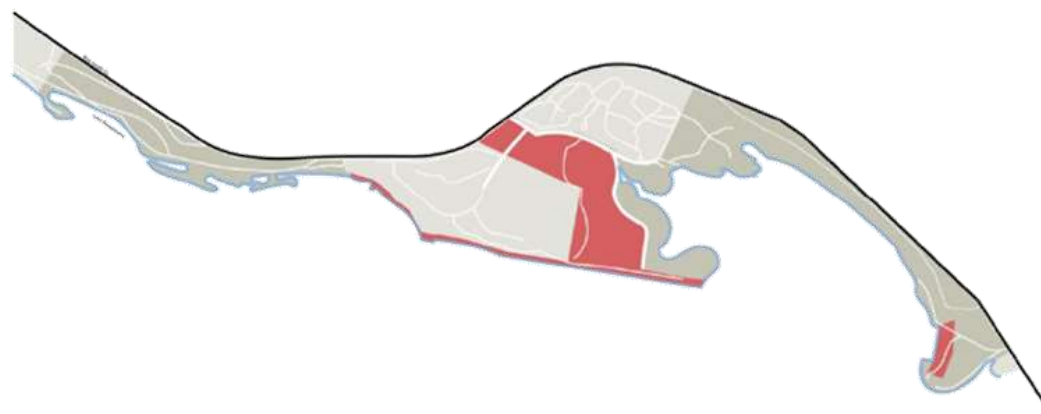
- 8.1.1 Balance the need for a vehicle access to the lake edge particularly in high use areas, during the peak summer period, to protect environmental, landscape and recreation values; whilst retaining opportunities for informal lake edge vehicle access and parking in other areas.
- 8.1.2 Consider opportunities to upgrade, expand and add variety to the reserves play offering including developing a destination play space and nature based play that caters for a range of ages.
- 8.1.3 Improve amenity and connection to the lake for recreation including removal of willows and other exotic lake edge vegetation and development of an all-weather walking and cycling shared path around the lake edge.
- 8.1.4 Improve vehicle access and circulation including developing carparking areas to support use of popular lakeside swimming, picnic, play areas and boat launching facilities.
- 8.1.5 Consider developing a network of picnic areas in popular locations around the reserve that include covered picnic shelters, food preparation areas, Barbeques, seating and other park furniture.
- 8.1.6 Provide bookable spaces for picnics, family gatherings and other events to manage demand for prime informal recreation spaces.



SPECIAL MANAGEMENT AREAS

8.2 Organised sport & rowing areas_

- 8.1.1 Consider the development of organised sports facilities including playing fields/courts and other associated facilities taking account of the outcome of a needs assessment and/or feasibility study.
- 8.1.2 Provide for off road trails throughout this area and work with the Meridian Rowing Centre and Ruataniwha Holiday Park to identify and develop connections through the reserve between the Rowing Centre and Holiday Park.
- 8.2.3 Support specimen tree planting to provide, shade, scale and amenity along internal access roads and to break up large areas of open space.
- 8.2.4 Ensure future specimen tree and windbreak planting take account of the potential future sporting and event use of this area.
- 8.2.5 Consider a location within this area as an alternative or additional site for a destination play space, outdoor fitness circuit and other recreation infrastructure.
- 8.2.6 Restrict vehicle access, and reserve use for casual recreation and shared path users, between the lake edge and Lakefront Road from the 1000m mark to the Rowing Centre boundary.



SPECIAL MANAGEMENT AREAS

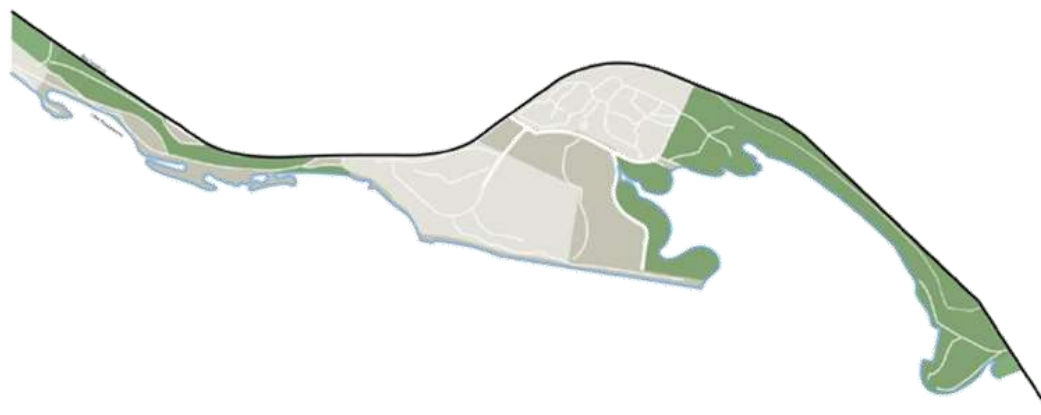
8.2 Vegetation areas_

- 8.2.1 To enhance views, protect the environment and improve the amenity consider progressively removing and replacing wilding tree species with groups of specimen trees in areas with limited practical access and low recreation potential including:

- along the steep embankment below Max Smith Drive between Morrison Terrace and the Lake Ruataniwha Holiday Park boundary and;
- the area between the boat ramp access road off Max Smith Drive and the reserve western boundary with Meridian Energy land.

- 8.2.2 Carefully plan and manage the transition from existing wilding tree species to other specimen trees, particularly in the lagoon area and adjacent to the rowing course, in a way that:

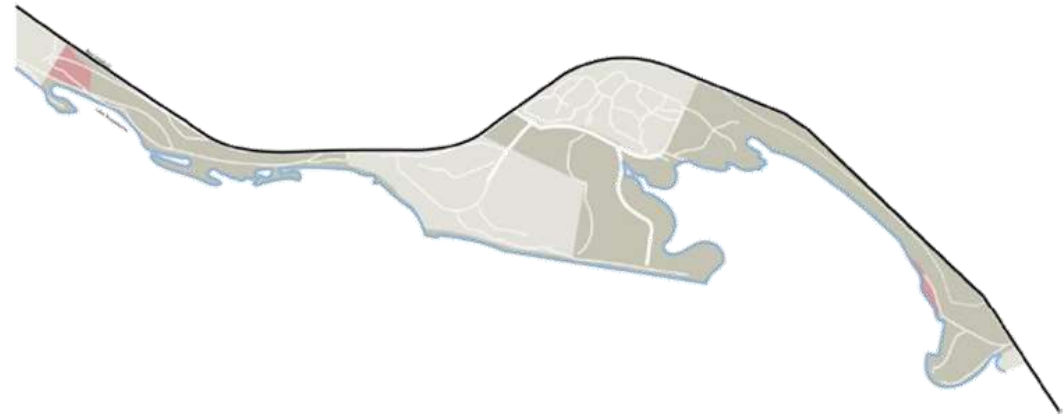
- retains shade and wind protection for rowing events and activities and casual recreation
- considers the stability of remaining trees
- minimises the impact on the reserve's landscape character as new vegetation establishes
- considers retaining existing trees that provide amenity, shade and contribute to attractive and inviting park setting.



SPECIAL MANAGEMENT AREAS

8.3 Self-contained camping areas_

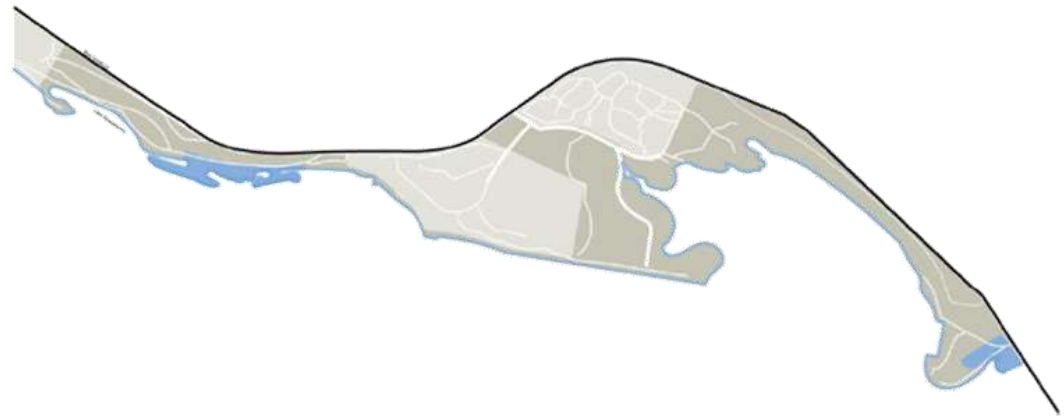
- 8.3.1. Continue to provide for self-contained camping in the reserve adjacent to Max Smith Drive and boundary with Meridian Energy land.
- 8.3.2 Work with Meridian Energy to communicate and delineate the boundary of the reserves self-contained camping area and Meridian land located at the western end of the reserve off Max Smith Drive.
- 8.3.3 Consider providing additional opportunities for self-contained camping including expanding the existing area, the lakeside parking area at the end of Morrison Terrace and providing an area to cater for self-contained horse floats.
- 8.3.4 When establishing freedom camping areas consider and prioritise general public use over camping and avoid locations that will cause competition for lakeside parking, views and conflict with other recreational uses.



SPECIAL MANAGEMENT AREAS

8.4 Boat launching areas_

- 8.4.1 Consider opportunities to improve the layout and function of boat launching areas, including increasing launching capacity, providing toilets and other visitor amenities, sealing road surfaces developing a more organised approach to trailer parking.
- 8.4.2 Work together with Meridian Energy to manage informal public parking on their land adjacent to the launching ramp on the corner of Morrison Terrace and Max Smith Drive.
- 8.4.3 Investigate and if feasible work with Meridian Energy to improve capacity and function of boat launching ramps particularly the launching area at the eastern end of the reserve off Morrison Terrace.



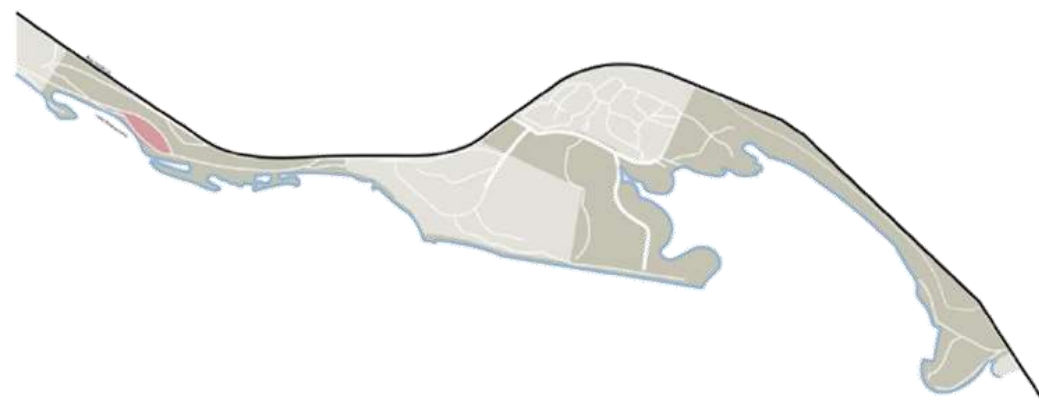
SPECIAL MANAGEMENT AREAS

9.0 Nohoanga

There is a nohoanga located in the north western part of Ruataniwha reserve. Nohoanga are specific sites under the Ngāi Tahu Claims Settlement Act 1998 which can be used to facilitate the gathering of food and other natural resources by Ngāi Tahu Whānui. These areas allow Ngāi Tahu Whānui temporary, but exclusive rights through the allocation of specific 'camping' sites to support mahinga kai activities at certain times of year.

Rūnanga o Ngāi Tahu has prepared Management Plan (Nohoanga Management Plan 2018) to ensure nohoanga sites are used in an appropriate manner. The plan outlines the way in which Te Rūnanga manages the use and development of nohoanga to ensure that sites are used and developed in a manner consistent with Ngāi Tahu values, tribal policy and statutory provisions.

The plan below is indicative only please refer to Ngāi Tahu Claims Settlement Act 1998 and Nohoanga Management Plan 2018 for the specific location and further details.







- Seal boat launching area and improve functionality
- Plant avenue of specimen trees along internal access road
- Develop boat trailer and car parking area
- Public toilet facility
- Remove willows and plant specimen shade trees back from water's edge to improve land and boat access to lake edge.
- Shared path
- Upgrade rowing start line access, amenity and usability
- Define and seal roadway back from lake edge
- Create a useable lakeside open space recreation area by setting car parking and sealed roadway back from lake edge, planting specimen shade trees and providing park furniture.
- Potential future self-contained camper-van parking area.
- Remove willows and improve access to the lake edge and views from the shared path.
- Remove existing wilding trees and reforest lower to mid bank areas with more appropriate specimen species enable views and vistas to be maintained from the upper terrace.
- Consider future bike trails along embankment
- Develop alternative shared path route along upper terrace
- Provide large sealed area for rowing trailer parking and manoeuvring



Summary of feedback on the intention to prepare a Reserve Management Plan for Ruātaniwha Recreation Reserve

May 2022

Summary of feedback on the intention to prepare a Reserve Management Plan for Ruataniwha Recreation Reserve

REVISION HISTORY

Date Created:	
Review Date:	May 2022
Department:	
Responsible Officer:	
Sponsor:	
Approved by:	
New Review Date:	

Summary of feedback on the intention to prepare a Reserve Management Plan for
Ruataniwha Recreation Reserve

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1.0 Consultation data

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Notification of public consultation on the intention to prepare the reserve management plan was undertaken mid-March to mid-April 2021.

Information about the consultation went live on the 'Let's Talk' page on the Mackenzie District Council website on 10 March 2022, and a public notice published in the Timaru Herald on the same day. Articles about the proposed plan were also published in the March Monthly 'News and Information' page – a full page that appears in each month's Courier, a weekly newspaper based in Timaru and distributed across South Canterbury households. Twizel Promotions and Development Association also published an article about the plan in its Twizel Update publication.

Key stakeholders were contacted, advising them of the project, in late December 2021 and initial meetings were held in late January 2022 with the following stakeholders:

- Twizel Community Board representatives and Twizel Ward Councillors
- Twizel Residents and Ratepayers Association
- Sport Twizel and Sport South Canterbury
- South Island Rowing
- Lake Ruataniwha Campground Management
- Department of Conservation
- Environment Canterbury Regional Council
- Twizel Promotions and Development Association
- Alps to Ocean
- Te Araroa Trail
- Meridian Energy
- Mackenzie Tourism Marketing
- Fish and Game New Zealand

The closing date for the consultation was Sunday 10 April 2022.

Comments were received from 91 individuals or organisations. These were predominantly received via MDC's online 'Let's Talk' page. Fish and Game submitted feedback via email and Sport Twizel submitted a formal response through the 'Let's Talk' page. Notes from meetings and conversations with all other key stakeholders are considered formal feedback to inform the draft plan.

Over the course of the consultation period the 'Let's Talk' page received 152 visits and 90 responses.

Te Runanga o Arowhenua hold the mana whenua of the area and they were engaged on this project in November 2021. They identified that, due to the modified nature of the valley, most sites of significance that were along the Ohau River would have been drowned when the lake was filled, and the reserve itself was of little significance. However, they did indicate the whole area has cultural significance for them, and that there is a great opportunity to tell the story of this area before it was developed and explain what the

*Summary of feedback on the intention to prepare a Reserve Management Plan for
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impacts of the hydro scheme have been. The project team will continue to work with Te Runanga o Arowhenua through the plan drafting phase.



2.0 General overview of feedback

Overall, most feedback was positive and focused on the potential opportunities to develop the reserve and enhance the visitor experience.

The equestrian community provided the most feedback and accounted for 61% of all feedback received via the 'Let's Talk' page. Most equestrian-related feedback generally requested provision for horse riding in the reserve. However, other topics included horse float parking and provision for overnight camping and overnight holding paddocks.

People commented on the value of developing the play offer at the reserve and a number noted the need to improve and upgrade other existing facilities such as toilets and picnic areas.

To a lesser extent people noted the need for tree management and in particular the need to replace wilding pines with more appropriate species.

There was a mixed response regarding development of sports fields at the park. However, there were almost twice as many in favour of sports fields than opposed to the idea.

Developing the walking and cycle network in the park was seen as important, as was having access to toilets and shade, and better access to the lake edge.

Most responses related to the reserve, although some out-of-scope feedback was received. For example, issues and suggestions relating to the recreational boating on the lake and providing safe access to Max Smith Drive from SH8.

*Summary of feedback on the intention to prepare a Reserve Management Plan for
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3.0 Main themes



The main themes in the feedback relating to the reserve included:

- General support and complimentary comments to the Council for initiating development of a plan for the reserve
- Provision for horse riding, including trails, float parking and camping
- Requests for a dedicated space for a dog park
- Support for improving and expanding walking and cycling trails
- More and upgraded areas and facilities for picnicking
- Requests to upgrade and expand the play area
- Support for improving and upgrading toilet provision
- Requests to improve boat launching and trailer parking facilities
- Support for better access to the lake edges and development of the lagoon area

4.0 Key stakeholder engagement

A number of key stakeholders referred to the reserve as the 'jewel' in Twizel's crown, provided a range of insightful information and suggestions and were generally excited and enthusiastic about the plan.

Both South Island Rowing and Lake Ruataniwha campground management provided excellent information about how the reserve currently functions and interacts with their respective sites and is used by their patrons as well as the public.

South Island Rowing is currently preparing a master plan for their site and acknowledges there are potential synergies between the sites that can be achieved as both sites are developed.

*Summary of feedback on the intention to prepare a Reserve Management Plan for
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5.0 Key issues



Whilst respondents largely focused on how they would like to see the park develop in the future and potential improvements, a small number of issues were raised in the feedback; these included:

- Feedback from the equestrian community that focused on the loss of horse riding opportunities in the district as walking and cycling trails develop, and requested the plan recognise and provide for horse riding in the reserve
- Twenty respondents commented on the lack of provision and quality of existing visitor facilities such as picnic tables, toilets and play equipment. Specifically respondents noted a collapsed picnic table in the lagoon area, quality and inadequacy of the existing toilets and the need to modernise/upgrade play equipment. Three respondents specifically mentioned the need for more rubbish bins; one suggested if additional rubbish bins weren't an option then a pack in pack out education campaign should be implemented
- Mixed comments were received regarding tree management. One comment cited the absence of tree management being an issue with respect to fire risk. Another comment noted the potential hazard that has been created by fallen trees between the lake and Max Smith Drive, after recent heavy winds, and suggests removal of the pines in this area and replacement with more suitable species
- Other respondents had an issue with parts of the lagoon area being shut off during rowing events and believes the entire lagoon area should be publicly available during rowing events. One respondent did acknowledge that COVID requirements may have been a reason the lagoon area was partially shut off during recent events
- Campervans and other vehicles with tents and shelters parking sideways along the lake edge, from the 1000m mark to the finish line, was cited as an issue as it reduced spectating opportunities during rowing events and impacted casual recreation at other times
- South Island Rowing commented that the lack of formal agreements for rowing infrastructure located on the park, that has been in-situ since before the reserve was created, is an issue they would like to address

A number of issues were raised that relate to various areas outside the reserve and outside the Mackenzie District Council jurisdiction; these include:

- The need for a safe turning from SH8 onto Max Smith Drive
- Request to extend the swimming only area further east towards the state highway

*Summary of feedback on the intention to prepare a Reserve Management Plan for
Ruataniwha Recreation Reserve*

- Restricting boating to the top end of the lake to reduce the impact of boat noise and wash in passive recreation areas around the lake

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6.0 Proposed improvements

Respondents proposed a number of improvements to the reserve landscape, amenities and facilities including:

Horse Riding

While the majority of equestrian-associated feedback related to providing for horse riding in the reserve, including allowing horses to be ridden on shared cycle and walking trails, some feedback also proposed the need for horse float parking as well as provision for an overnight camping and grazing area.

Development of Sports Fields

A mixed response was received with regard to the concept of developing sports fields on the reserve. Nine of the 34 non-equestrian specific submissions advocated for sports field provision on the reserve. Two respondents proposed the need for artificial pitches to be included in sports field development, while other feedback supported development of ancillary facilities such as carparking and roading, lighting, embankment seating, modern changing room facilities and indoor facilities such as a gym and court space. One respondent proposed provision is made for a grandstand stadium.

Sport Twizel supported the concept of sports fields and identified the opportunity to develop fields away from the campground on the lake side of Kate Cameron Drive. They advised the existing playing fields on Ministry of Education land will soon be lost due to the school redevelopment and suggested the reserve could be the site of a future sports hub that includes a gym and changing facilities with ability to cater for traveling teams, which is not currently available in Twizel.

Five responses were received that opposed sports fields being developed on the reserve. Reasons respondents were opposed to the concept mainly related to the cost of connecting sport field infrastructure to services such as power, the need for sporting facilities to be within easy walking distance from schools, businesses and residential areas, the requirement for supporting infrastructure such as additional roading and carparking, and potential for restricted access to the lake during events.

One respondent was opposed to sports fields located close to the lake and suggested any future fields be located closer to the campground to avoid conflict with rowing's use of the area during regattas. Another respondent thought sports fields were not a practical use of the area where pine trees had recently been removed, and suggested native planting was a much better use of this area.

*Summary of feedback on the intention to prepare a Reserve Management Plan for
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Development of Picnic Areas

Five people specifically commented on the need to develop more picnic areas throughout the reserve and upgrade of existing areas which are in a state of disrepair. Respondents suggested development of picnic areas should include covered food preparation and bbq areas, planting and appropriate shading. Another suggested designated bookable bbq areas that could be hired out for a small fee or donation.

Play

Six people also specifically commented on the need to update play equipment and improve play opportunities in the reserve.

Respondents suggested play areas could be developed in the lagoon area where the existing play equipment is located, as well as alternative locations such as the area near the camping ground and the area between the eastern boat launching ramp and the rowing starting area.

One respondent suggested the scale of the playground could be enlarged and an adventure-style playground, flying fox and other play equipment included. While another suggested a taniwha themed playground. Three respondents proposed development of a fitness trail.

Toilets

Five respondents specifically identified the need for improved public toilets. Comments included the need for clean flushing toilets and suggested toilet provision was essential in high use areas such as the lagoon area and near boat ramps.

Walking and Cycling Trails

Eight respondents supported expanding and developing walking and cycling provision within the reserve. Four specifically supported the concept of a walking and cycling trail around the lake edge. Other suggestions included a walking/cycleway around the lagoon be developed and extended to Max Smith Drive, development of a kids' cycle track and marked trails with set distances.

Dog Exercise Area

Five respondents specifically requested an area in the reserve is set aside as a designated dog exercise area. These comments generally called for a large fenced off area where dog owners can socialise dogs and let them exert their energy safely with other dogs.

Reserve Development

A number of suggestions were received about developing different areas of the reserve to improve the visitor experience. This included comments supporting development of the lagoon area and the area near the graveyard/rowing start line and providing greater visitor amenities, landscape planting to deter 4WD vehicle and motorbike damage, along with other development opportunities highlighted throughout this summary. One response suggested moving vehicles back to the other side of the road from the 1000m

*Summary of feedback on the intention to prepare a Reserve Management Plan for
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mark to the finish line of the rowing course to allow more spectators, informal casual recreation and pedestrian use of this lake edge area.



Trees and Plantings

Six comments were received specifically about trees and vegetation. Two comments suggested removing existing vegetation and replanting the steep bank between the lake and Max Smith Drive to protect this from erosion and to alleviate the safety hazard created from recently fallen trees. One comment requested the trees in the lagoon area not to be cut down as shade is needed. Other comments identified the need for tree removal to enable views out to the lake and surrounding landscape.

South Island Rowing highlighted the importance that existing vegetation plays in providing wind protection along with shade and amenity. They suggested a succession planting plan would be useful to help manage the transition from pines to other vegetation.

Access to the Lake

A number of respondents highlighted the need to improve access to the lake. This included improvement of boat launching and trailer parking areas to enable safer and more efficient water access. As well as removing vegetation to create better access to the lake edge for recreation including swimming, fishing and boat-based recreation.

Other Comments / Requests:

- Request to seal carpark near rowing start line to deter reckless driving
- Suggestion consultation is worthwhile about a suitable future site for a yacht club
- Develop the highway end of Ruataniwha by the boat ramp and graveyard including a play area, cafes and restaurants, boardwalk and entertainment
- More accommodation and cooking facilities for rowing teams
- Support for commercial activity, such as mobile traders and recreation hire operators
- Support for lake-based events such as ocean water swim and water ski/wakeboard events to be staged from the reserve



Mackenzie
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