

Committee Members

Cr Peter McDonald (Chair)
Cr Paul Evans
Cr Lyndal Ludlow
Cr Jeremy McPhail
Cr Jon Pemberton

Cr Maurice Rodway
Cr Eric Roy (Deputy)
Gail Thompson (*mana whenua appointee*)
Estelle Leask (*mana whenua appointee*)
Chairman Nicol Horrell (*ex officio*)



Regional Services Committee Rōpū Ratonga-a-Rohe

Environment Southland Council Chambers
and via Zoom digital link

1.30 pm

10 May 2023

A G E N D A Rarangi Take

1. Welcome | Haere mai
2. Apologies | Ngā pa pouri – Cr Pemberton (leave of absence)
3. Declarations of Interest
4. Public Forum, Petitions and Deputations | He Huinga tuku korero
5. Confirmation of Minutes | Whakau korero – 22 February 2023
6. Notification of Extraordinary and Urgent Business | He Panui Autaia hei Totoia Pakihi
 - 6.1 Supplementary Reports
 - 6.2 Other
7. Questions (*Patai*)
8. Chairman and Councillors' Reports | Ngā Purongo-a-Tumuaki me ngā Kaunihera
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12. Public Excluded Business | He hui Pakihi e hara mo te iwi

- Confirmation of Minutes – 22 February 2023

General Manager, Integrated Catchment Management Report – 23/RS/32

- Item 8 – Lease Inspection Reports49

P L Hulse
General Manager, Integrated Catchment Management

RECOMMENDATIONS IN COUNCIL REPORTS ARE NOT TO BE CONSTRUED AS
COUNCIL POLICY UNTIL ADOPTED BY COUNCIL



Terms of Reference Regional Services Committee

Council assigns to the Committee responsibilities from time-to-time, and the Committee provides advice and reports back to Council on:

1. governance oversight and monitoring of the non-regulatory implementation of Council plans, strategies and by-laws, including (but not limited to):
 - river corridor concept plans;
 - clean heat;
 - pollution prevention;
 - environmental education;
 - land sustainability;
 - the Waituna response.
2. managing the relationship of Council with the catchment liaison committees;
3. governance oversight of and recommending programmes for delivery of flood protection and drainage maintenance;
4. governance oversight of and recommending programmes of work related to the Regional Pest Management Plan;
5. governance oversight of and recommending programmes of work that promote sustainable resource management practices;
6. governance oversight of the management of Council's lease land.



Confirmation of Minutes

- **Regional Services Committee Meeting – 22 February 2023**

**Minutes of the Regional Services Committee, Ropu Tiaki
Waka-a-Rohe meeting of the Southland Regional Council,
held in Regional House, corner North Road and Price
Street, Invercargill, on Wednesday, 22 February 2023, at
1.30pm**



| | | |
|---------------------------|-----------------------|--|
| Present: | Cr P McDonald (Chair) | |
| | Cr P Evans | |
| | Cr L Ludlow | <i>(Left the meeting at 2.52pm returned 3.03pm)</i> |
| | Cr J McPhail | <i>(Left the meeting at 2.35pm returned 2.38pm)</i> |
| | Cr J Pemberton | |
| | Cr M Rodway | |
| | Cr A Gibson | |
| | Mrs G Thompson | (Mana Whenua Representative) |
| | Mrs E Leask | (Mana Whenua Representative) |
| In Attendance: | Mr P Melgren | (Department of Conservation) |
| | Mr D Rose | (Oreti Catchment Liaison Committee) <i>(Left meeting at 1.45pm)</i> |
| | Mr D Marshall | (Oreti Catchment Liaison Committee) <i>(Left meeting at 1.45pm)</i> |
| Staff Present: | Mr P Hulse | (General Manager, Integrated Catchment Management) via Zoom |
| | Ms F Young | (Catchment Integration Manager) |
| | Mrs A Meade | (Biosecurity & Biodiversity Operations Manager) |
| | Mr R Beal | (Catchment Operations Manager) |
| | Mr D McIntosh | (Property Officer) |
| | Mrs N McRobie | (Mana Whenua Support) |
| | Mr P Pollard | (Team Leader Catchment Operations) |
| | Mr D Connor | (Team Leader Catchment Operations) |
| | Miss S Gray | (River Engineering Cadet) |
| | Mr C Smith | (Team Leader Catchment Integration) |
| | Miss B Pickett | (Strategic Communications Advisor) |
| | Mrs E Kini | (Personal Assistant - Minutes) |

1 Welcome | Haere mai

The Chairman welcomed members to the Regional Service Committee meeting for February 2023 including the wider public via livestream. The Chairman also acknowledged of the passing Mervyn Frew and the devastation of Cyclone Gabrielle throughout the North Island.

Mrs Leask led a Karakia for the meeting.

2 Apologies | Nga Pa Pouri

Resolved:

Moved Cr Ludlow, seconded Cr McPhail, that apologies be recorded on behalf of Chairman N Horrell.¹

Carried

3 Declarations of Interest

There were no declarations of interest made at this time.

4 Public Forum, Petitions and Deputations | He Huinga tuku korero

Mr Rose and Mr Marshall attended the meeting where Mr Rose read out the Chairman's report from the Oreti Catchment Liaison Committee Annual General Meeting (Attached as Appendix 1). Mr Rose then addressed the Committee and subsequently apologised for using the incorrect wording of bullying when they addressed the Regional Services Committee on 17 November 2022. Discussion held regarding a Working Group for Oreti to include Councillors, Fish and Game, Department of Conservation.

5 Confirmation of Minutes | Whakau korero

Resolved:

Moved Cr Ludlow, seconded Cr McPhail that the minutes of the Regional Services Committee meeting held on 17 November 2022 be taken as read.

Carried

6 Notification of Extraordinary and Urgent Business | He Panui Autaia hei Totia Pakihi

(a) Supplementary Report

There were no supplementary reports considered by the meeting.

(b) Other

There were no other items of business raised by Councillors for inclusion in the agenda.

7 Questions | Patai

There were no questions asked by members.

¹ Cr Roy subsequently advised he had attempted to lodge an apology for absence for this meeting, but it was not recorded and presented. This is to be noted.

8 Chairman and Councillors' Reports | Nga Purongo-a-Tumuaki me nga Kaunihera

Neither the Chairman nor any Councillors presented reports.

9 General Manager, Integrated Catchment Management Report – 23/RC/08

⇒ Item 1 – Whakamana te Waituna Charitable Trust Report

The purpose of this report was to provide Council with an update from the Whakamana te Waituna Charitable Trust. Mrs Thompson declared Mr Whaanga and herself as Trustees of Whakamana te Waituna Charitable Trust.

Resolved:

Moved Cr McPhail, seconded Cr Ludlow, that Council note the Whakamana te Waituna Charitable Trust Report and instruct staff to:

- 1. Arrange a Council briefing including Site Visit of Waituna and ensure dissemination of regular updates to Council.**

Carried

⇒ Item 2 – Biosecurity & Biodiversity Operations Division Update – 1 October to 31 December 2022

This item updated Council on the operational progress of the Biosecurity and Biodiversity teams work programme. The team (field officers) had a busy in Quarter two and Mr Phillips is Environment Southland's representative for Predator Free Rakiura.

Resolved:

Moved Cr Rodway, seconded Cr Evans that Council note the Biosecurity & Biodiversity Operations Division update for the period 1 October 2022 to 31 December 2022 and instruct staff to:

- 1. Arrange a Council presentation of Predator Free Rakiura for Regional Services Committee meeting in May 2023.**

Carried

⇒ Item 3 – Catchment Integration Division Update

This item detailed the Catchment Integration Team update detailing continued work to engage, educate and empower individuals and the community to undertake actions that will improve Southland's environment. The team is leading or supporting a number of projects that demonstrate a shift towards a more integrated approach with internal and external groups, and across the catchments.

Resolved:

Moved Cr Ludlow, seconded Cr McPhail that Council note the Catchment Integration Division update and instruct staff to:

- 1. Advise Council of upcoming education catchment and community events.**

Carried

⇒ **Item 4 – Catchment Operations Divisions Update**

This item was for Council to note the activity within the Catchment Operations Division, the focus over the period continues to be a mix of annual asset inspections, reviewing and preparing the defects remediation working programme, climate resilience project delivery gravel management and business as usual.

Resolved:

Moved Cr Ludlow, seconded Cr Rodway that Council note the Catchment Operations Divisions Update and instruct staff to:

- 1. Extend invitation to drop in sessions in Mataura and Gore to Councillors.**
- 2. Share communication plan for Gore tree felling and debrief of learnings from Waihopai tree felling to Councillors.**

Carried

⇒ **Item 5 – Contracts and Progress on Works**

To provide Councillors with an update on contracts and progress on works entered into by the Catchment Operations during the period 1 October 2022 to 31 December 2022.

Resolved:

Moved Cr McPhail, seconded Cr Pemberton, that Council note the Contracts and Progress on Works Update.

Carried

⇒ **Item 6 – Integrated Catchment Management Group Work Plan**

Mrs Young spoke to this report which provided details of the purpose of the plan, identifying key projects on each of the main catchments and regular reporting timeframes.

Resolved:

Moved Cr Evans, seconded Cr Pemberton, that Council note the Integration Catchment Management Group Work Plan Update and instructed staff to:

1. Determine the format for the presentation/reports in the Work Plan Milestones e.g. Committee Meeting, Council Workshop.

Carried

10 Department of Conservation Verbal Update

Mr Melgrun from Department of Conservation presented to the committee to update the group on DOC matters relevant to the Committee. The following points were raised by Mr Melgrun:

- Update on Te Anau, Chalky inlet, Resolution island, Ulva Island, Predator Free Rakiura and Motupohe (Bluff Hill) Pest Management;
- Acknowledgement and thanks to Environment Southland's for assistance with incursion in Fiordland;
- HMNZS Canterbury – Operation Endurance, recalled due to Cyclone Gabrielle;
- Business as usual work including an update on Hoiho
- Update on DOC huts, tracks and bridges.

10 Extraordinary and Urgent Business

There was no extraordinary or urgent business considered by the meeting.

12 Public Excluded Business

Resolved:

Moved Cr McPhail, seconded Cr Pemberton, that in accordance with section 48(1) of the Local Government Official Information and Meetings Act 1987 and the particular interest/s protected by section 6 or section 7 of that Act (or sections 6, 7 or 9 of the Official Information Act 1982, as the case may be), the public be excluded from the following parts of the proceedings of this meeting, namely:

- ⇒ **Confirmation of Minutes – 17 November 2022**
- ⇒ **Item 7 – Lease Inspection Reports**

The general subject of the matters to be considered while the public is excluded, the reason for passing this resolution in relation to the matter, and the specific grounds for excluding the public, as specified by Section 48(1) of the Local Government Official Information and Meetings Act 1987, are set out below:

| General Subject Matter | Reason for Passing the Resolution | Grounds under S. 48(1) |
|---|---|-------------------------------|
| ⇒ Confirmation of Minutes – 17 November 2022 | Enable any local authority holding the information to carry out, without prejudice or disadvantage, commercial activities | S.7(2)(h) |
| ⇒ Item 5 – Lease Inspection Reports | To protect the privacy of natural persons, including that of deceased natural persons. | S.7(2)(a) |

Carried

Termination

There being no further business, the meeting closed at 3.36pm.



Matters for Information/Noting Kaupapa Whakamohiotanga/Tuhingia

Item 1 Southern Pest Eradication Society Update

| | |
|---|--|
| Objective ID: A898909 | Strategic Direction: Refer to outcomes in table shown in body of this template. |
| Report by: Nick Perham, Partnerships Manager - ICM | Approved by: Paul Hulse, General Manager, Catchment Integrated Management |
| Executive Approval: Paul Hulse, General Manager, Integrated Catchment Management | |

Purpose

To update Council on the planned consultation with community within the operational boundaries of the Southern Pest Eradication Society (SPES) contract in relation to feedback of the rabbit control contract.

Summary

At its meeting on 1 June 2022, Council approved a targeted rate for annual pest control and instructed the Chief Executive to engage the Southern Pest Eradication Society (SPES) to deliver the service of rabbit control within the operational boundaries of the society. This decision followed on from a survey of affected ratepayers, which resulted in over 80% of responses supporting SPES.

Council accordingly developed a Contract for Service with SPES to deliver rabbit control. Staff are working closely with SPES and its subcontractors to support it in delivering the required outcomes and health and safety responsibilities. Staff are currently awaiting a progress report from SPES to inform results.

A further survey is scheduled to take place during May 2023. The results of this survey, along with the overall contract outcomes, will be used to inform the 2024-2024 Long-term Plan.

Recommendation

It is recommended that Council resolve to note the report.

Report

Background

The Southern Pest Eradication Society (SPES) was formed in 1996/97 following the disbanding of the Pest Destruction Board (Rabbit Boards) System.

Council agreed to undertake a survey of the affected community to ascertain the level of support for the rabbit control rate. The outcome of this survey resulted in an overwhelming support (>80%) for continuing to rate for rabbit control in this area.

At the Council meeting of 1 June 2022, it approved a new targeted rate for annual pest control and instructed the Chief Executive to engage SPES to deliver the service of rabbit control within the operational boundaries of the Society.

Following this direction, staff worked with SPES and developed a Contract for Service, to deliver rabbit control in the specific area (see attached map).

Current situation

Environment Southland currently charges a targeted rate within this specified area of \$3.25 per hectare for the purpose of rabbit control. Council then contracts SPES to undertake the rabbit control on its behalf. Additionally, all affected ratepayers have received an Exemption from Rule 24 of the Southland Regional Pest Management Plan, which relates to the control of rabbits. This initial contract is for this current financial year.

Staff are working closely with SPES and their sub-contractors to ensure that a quality service is delivered.

As part of this, Council has worked with the two sub-contractors (the actual rabbit shooters) to develop an App for their use, which makes it easy for them to record the control rates. This App can be downloaded onto the contractor’s phone, and gives them an easy to use method to record kill numbers, upload photo evidence, and any other relevant information. It also automatically includes the GPS location. This data is then uploaded to a central database and can be used to generate reports.

At the time of writing, staff are awaiting a progress report from SPES.

Next steps

During the month of May 2023, staff will be conducting a follow-up survey with the targeted ratepayers. This survey is aimed at giving the community the opportunity to provide feedback around their satisfaction with the service provided to them. Alongside the survey, two community “drop-in” sessions will be held, where people can discuss the rabbit control situation directly. As well as providing information to the community, staff will also be able to answer any questions or clarification that people may have.

The feedback from the survey, along with contract delivery results, will help inform Council’s planning for the 2024-2034 Long-term Plan, with respect to rabbit control, including how staff may engage SPES going forward. The results of this will be covered in a future report.

Fit with strategic framework

| Outcome | Contributes | Detracts | Not applicable |
|---|-------------|----------|----------------|
| Managed access to quality natural resources | | | X |
| Diverse opportunities to make a living | X | | |
| Communities empowered and resilient | X | | |
| Communities expressing their diversity | X | | |



Attachments

1. Map of SPES area





Item 2 Biosecurity & Biodiversity Operations Division Update – January to March 2023

| | |
|---|---|
| Objective ID: A898671 | Strategic Direction: Managed access to quality natural resources Diverse opportunities to make a living Communities empowered and resilient |
| Report by: Kathryn McLachlan, Acting Biosecurity and Biodiversity Operations Manager | Approved by: Paul Hulse, General Manager, Integrated Catchment Management |
| Executive Approval: Paul Hulse, General Manager, Integrated Catchment Management | |

Purpose

The purpose of this paper is to provide an update to the Regional Services Committee on the operational progress of the Biosecurity and Biodiversity teams work programme, focusing on:

- key outcomes;
- current topical issues;
- emerging issues;
- co-ordination initiatives; and
- key challenges.

Summary

This quarter has been largely business as usual, with summer fieldwork being the primary focus. Several biodiversity working groups have been reinvigorated and biodiversity projects have seen positive feedback within the media and community. Biosecurity staff have responded to a number of pest plant and animal reports, and community and stakeholder engagement has been a priority across all programmes.

Recommendation

It is recommended that Council resolve to note the information provided in the Biosecurity & Biodiversity Operations Division quarterly report.

Report

Biodiversity

The main focus this quarter was on re-establishing biodiversity working groups. This has seen the internal biodiversity co-ordination group reformed into a Biodiversity Technical Group. An inter-agency biodiversity group has also been formed, led by Rachael Millar, focusing on working collaboratively to implement various government policies. After facing a range of challenges associated with staff changes and the COVID-19 pandemic, the Biodiversity Southland Forum has also been re-established with the community and key stakeholders.

Biodiversity Action on the Ground

Ecological surveys have been completed for 35,540.60 hectares. This was predominately conservation estate. Three Environmental Enhancement Fund (EEF) grant recipients completed their projects this quarter, with more indicating they are very close to completion. It is anticipated that only one project will need to be deferred this year. The team continue to provide management plans for landowners and have completed 31 plans this quarter.

Fish Passage Projects

A highlight this quarter has been the fish passage article on Stuff, as this was not driven by Environment Southland. The project is becoming well-known and is extremely valued by the landowner in the article. The KPI for barrier remediation was exceeded this quarter, with a total of 82 being completed, bringing the total barriers remediated to 99 against an annual target of 85.

Biodiversity on Environment Southland Land

Active management of the Environment Southland land at the Lower Mataura is continuing. The increase in pest control appears to have a corresponding increase in bird count numbers, however it is still too early to determine the long-term effectiveness of the work. An additional small area of land has been retired from grazing and was scheduled to be planted in April 2023.

National Policy Statement – Indigenous Biodiversity (NPS-IB) and Te Mana o te Taiao

The release of the NPS-IB was expected in December 2022, however, there have been no further updates on when this will be released. *The NPS-IB* could result in increased biodiversity work for regional councils, especially in the monitoring space. Staff will provide updates as they learn more.

Biosecurity

Exclusion Animals

A wallaby report was received from a member of the public, claiming they had run over a wallaby while travelling from Riverton to Manapouri, via Otautau. Unfortunately, the report was filed after nine days and the exact location was unknown. Staff inspected the roadside but no trace of a dead animal was found.

Otago Regional Council investigated a credible wallaby sighting in the Pomahaka headwaters, approximately 6 km from the Southland regional boundary. An inspection was carried out by experienced contractors over several days but no sign was found. Further inspections may be carried out.

Pest Plants

Field work remained a high priority and focus for the team this quarter and all scheduled visits for the year were completed. During March, some new Old man's beard sites were identified by the public and by biosecurity officers. While this is disappointing, these areas are now being controlled and it is reassuring to know that the community are engaged.

A Weed Identification Workshop was held at the Otatara Community Nursery, led by biosecurity staff. The purpose of this workshop was for the public to bring in and learn more about the weeds they find in their own gardens. This is critical work for the team, as the public continues to be a great support for identifying and reporting new plants and populations.

Wilding Conifers

With the addition of the Jobs for Nature funding, Wilding Conifer programmes have made significant gains over the last two years to contain and shrink the mature populations of *Pinus contorta* and *mugo* in the Mid Dome, Flagstaff, Southland Plains and the Takitimu management units. Initial control programmes have been a success, however, wilding conifers remain a growing concern. Programmes in the Takitimu and Mid Dome areas are almost complete, with a small amount of work planned for May 2023.

As reported last quarter, the focus is now shifting from the current extensive control operations to increased monitoring, regulation and the handback of areas to landowners. Increased communication and advice to affected landowners will be critical during this process.

Possum Control Areas (PCAs)

Work on expanding the PCA programme has continued, with a new PCA being set up in the Pukerau area, following good response from landowners. Initial control by Council's contractor should be completed by mid-May 2023. A further PCA is being investigated in the Balfour area, adjoining existing PCAs. Ongoing PCA maintenance continues, with landowners supported and co-ordinated to carry out possum control within each area. Possum density monitoring is underway and work has continued on the programme review.

Marine Biosecurity

In response to the 2022 Tamatea/Dusky Sound incursion, the Jobs for Nature dive team spent the majority of this quarter undertaking marine pest surveys across wider Fiordland. Inspections began in Rakituma/Preservation Inlet, moving north to Taitetimu/Caswell Sound. The purpose was to search for *Undaria* and other marine pests at high risk sites, e.g. anchorages, moorings, structures and storage areas. No marine pests were found during these inspections and the *Undaria* management sites remain in Taiari/Chalky Inlet, Te Puitaha/Breaksea Sound and Tamatea/Dusky Sound.

The team is working with Ministry for Primary Industries, Department of Conservation, Te Ao Marama Inc and the Fiordland Marine Guardians, to determine next steps for managing the known *Undaria* populations, as well as long-term planning for increasing compliance and marine pest surveillance in Fiordland.

Clean vessel pass applications were up for the period January to March 2023, which coincided with an increase in communications and a greater on-water presence. A biosecurity compliance trip was conducted in Milford Sound in February 2023; results were reported through the Regulatory Committee.

Predator Free Southland

A new co-ordinator commenced work on this multi-agency project in February 2023. The initial priority is to review the objectives and direction of a predator free project in Southland, as well as supporting the existing predator control community groups.

Jobs for Nature

The Jobs for Nature projects are reported in full to the Risk and Assurance Committee. Overall, the projects are providing a beneficial income source and are supporting strategic outcomes. The projects continue to require a substantial staff resource to manage and bring an increased layer of complexity to programme delivery. The *Undaria* and *Weeding Fiordland's Buffer* projects will be concluding in the coming months.

| Biodiversity Action on the Ground | Regional Fish Passage Restoration | Weeding Fiordlands Buffer | Undaria | Wilding Conifers |
|--|---|---|---|--|
| <ul style="list-style-type: none"> •Objective: To increase and expand our existing biodiversity programme •Year 3: Q2 Assessment: The project is delivering and improving our biodiversity programmes, the targets have been adjusted to be more achievable. The NPS-IB may impact this project. | <ul style="list-style-type: none"> •Objective: To increase and expand our existing fish passage restoration programme •Year 3: Q2 Assessment: The project is on track and low water levels have allowed field work to get underway. | <ul style="list-style-type: none"> •Objective: Control Darwin's Barberry and Cotoneaster between Manapouri and Milford •Year 3: Q2 Assessment: The project is delivering its aims, however tourism operators are returning to their core work and have limited capacity to complete weed work. The project has been extended until June 2023. | <ul style="list-style-type: none"> •Objective: Contain Undaria in Breaksea Sound, eliminate Undaria in Chalky Inlet •Year 2: Q2 Assessment: The dive programme is going well, however an new incursion of Undaria in Dusky Sound is stretching the resources reducing our ability to remove large amounts of biomass from Breaksea Sound. | <ul style="list-style-type: none"> •Objective: Successful initial control of mature Pinus contorta and P.mugo in Mid Dome programme area and control radiata, Bluff Hill Motupohue To control Pinus contorta and P. mugo in the Takitimu's •Year 2 Assessment: The project is delivering its aims. |

Figure 1: Overview of Jobs for Nature Projects

Implications/Risks

There are no implications or risks directly associated with this report.

Fit with strategic framework

| Outcome | Contributes | Detracts | Not applicable |
|---|-------------|----------|----------------|
| Managed access to quality natural resources | Y | | |
| Diverse opportunities to make a living | Y | | |
| Communities empowered and resilient | Y | | |
| Communities expressing their diversity | | | Y |

Compliance with Significance and Engagement Policy

There are no issues within this report which trigger matters in this policy.

Attachments

None



Item 3 Catchment Integration Division Update – January to March 2023

| | |
|--|--|
| MORF ID: A900560 | Strategic Direction: Communities empowered and resilient |
| Report by: Integrated Catchment Management Team | Approved by: Paul Hulse, General Manager, Integrated Catchment Management |
| Executive Approval: Paul Hulse General Manager, Integrated Catchment Management | |

Purpose

To update Council on the Catchment Integration activities.

Summary

The Catchment Integration team continues to work to engage, education and empower individuals’ and the community to undertake actions that will improve Southland’s environment. The team is leading or supporting a number of projects that demonstrate a shift towards a more integrated approach with internal and external groups, and across the catchments.

Recommendation

It is recommended that Council resolve to note the report.

Summary

Background

The Catchment Integration team brings together people with skills in education, land management and contaminated land/hazardous substances. The team is committed to making the connection and working with a catchment focus in a more integrated way, both within the organisation and externally with the community and stakeholders. The team continues to support external agencies and catchment groups and operates as an interface between the Council and the community.

As outlined previously, much of the work of the team is within the land and water group of activities, particularly community education, engagement and action. It also contributes to other work, in the regional leadership (Whakamana te Waituna) climate resilience (closed landfills) and biodiversity/biosecurity (on-farm advice) portfolio groups.

The team has a number of region-wide projects, but is also shifting to projects in-catchment and reviewing the reporting to implement a catchment approach.

Emerging Issues

Staff have completed the intensive winter grazing pro-active engagement programme for 2023, and have made contact with a number of farmers to provide follow-up advice around grazing practices and compliance with regulations. During the upcoming intensive winter grazing period of May to October, the Compliance Division will mainly take the lead on working with landowners. As appropriate, land sustainability officers will follow-up on education as required.

The Charlton Waimumu project is nearing the end of its third year and the close of the project. This project has been a collaborative effort with Hokonui Rūnanga, and has resulted in approximately 30,000 plants being established in the Charlton and Waimumu catchments. Staff are in the process of establishing an action fund for Enviroschools in the Eastern Southland area and koha (funding).

Council will be aware that with the close of the above project, staff are now focused on the Southland Riparian project. They have been successful in working with farmers to plant in excess of 7,000 native trees across the region, with an additional 3,000 being planted on an established site in the Waituna catchment as part of the Whakamana te Waituna project. Plant availability has been confirmed for this year and staff will be moving to actively contact farmers in the coming months. As part of year 1 learning, planting will be carried out in the April/May and September/October months to ensure best plant establishment.

As part of the forestry work, the team has received questions and concerns about management of slash particular under heavy rainfall. Initial communications suggest that the Southland setting, in terms of harvest approaches and erosion issues mean risks from slash during high rainfall are far less than other regions. Data shows that “erosion prone land” makes up 2% of the Southland developed area. In spite of this, a piece of work is being commissioned to provide a brief summary of how slash risks are typically managed (buffers from waterways, slash kept out of gullies and 20 year flood zone, piles stabilised, use of burning and chipping, tree density managed to reduce branching over plantation rotation, felling away from waterways where possible, assess downstream risks when managing slash).

Freshwater Farm Plans (FWFP)

These plans are to be implemented by central government via Part 9A of the Resource Management Act, and will be operative from late May 2023. Southland and Otago are the first councils where farm plans will be required, and it is expected implementation will be confirmed at the time of gazetting.

Hazardous Activities and Industries List

The Ministry for the Environment’s Hazardous Activities and Industries List (HAIL) is a compilation of activities and industries that are considered capable of causing land contamination from hazardous substance use, storage, or disposal. The HAIL is used by regional councils in New Zealand to identify potentially contaminated sites.

Environment Southland manages a database of identified HAIL sites called the Selected Land Use Sites (SLUS) register as part of its statutory obligations under Section 30(1)(ca) of the Resource Management Act 1991. The sites and their status are publicly available on Council’s website. Clay target ranges are included on the HAIL under category C2: *Gun clubs or rifle ranges, including clay target clubs that use lead munitions outdoors.*

During the 2022/23 financial year, Environment Southland systematically added clay target ranges to the Selected Land Use Sites (SLUS) Register. The majority of these sites are used for trap and/or skeet shooting, which take place at fixed locations at dedicated ranges with confined shot-fall zones. When registering these sites, guidance from the Food Safety & Animal Welfare Code of Practice for Clay Target Shooting Ranges was used to establish the boundary, which typically extends 250 m down the range, and 100 m either side of the outermost traps.

Environment Southland has continued to work with gun clubs to assist them with assessing risks to waterways and assist with managing contamination on the land. Staff will continue to take a proactive approach with the clubs to educate and identify potential effects.

Regional Services Field Day

The recent field day on 18 April 2023, focused on gravel, river management and consenting. The morning site visits provided context to anchor the afternoon discussions in science-based solutions, assisted by Professor Ian Fuller. The gravel issue is wide-ranging across multiple affected parties and Council's workstreams. The meeting provided a starting point for a range of interested parties to come together to discuss the issue.

At the end of the day, feedback was sought from attendees to determine what insights or themes they had taken for the day, and to identify future information needs. Staff have recorded the data gathered, and summarised the major themes, as below:

- a desire to work with the end in mind, taking a long-term catchment perspective;
- deepen understanding of river geomorphology through quality relevant data;
- create a transition plan for how to shift from how we currently do things, to how we do them differently in the future;
- enable short-term actions to keep people safe and enable ongoing use of gravel as a resource; and
- a strong desire to work collectively and communicate openly.

Planning is underway for the June hui with Catchment Liaison Committee chairs. Work is also underway with iwi and key stakeholders to confirm the problem definition for gravel issues, and how this could be incorporated into a long-term approach for river management (including land drainage). This work is directly related to the development of the Infrastructure Strategy as part of the Long-term Plan process.

Waituna Riparian Planting

Using remnant funding from the Living Waters project, staff will revisit one of the decade old collaborative projects in the Waituna catchment. Stream bank protection work and native riparian planting began in 2016 at a farm in Waituna. The stream bank has performed well, but the native plant survival is sporadic.

Efforts will recommence to recover and maintain the remaining plants and fill in the blanks using resources from Living Waters funds, Whakamana te Waituna, and the Southland Riparian project. The current sharemilker and existing landowner are enthusiastic about continuing with this project, in conjunction with land sustainability, Fonterra representative through Whakamana te Waituna and the team at Te Tapu o Tane who are contracted to provide ongoing maintenance and have grown the plants for the Southland Riparian project.

Enviroschools and Environmental Education

Students from Hedgehope School are taking on an ambitious two-year restoration project within Sherwood Forest near their school in Southland. Sherwood Forest at Tussock Creek, 25 minutes outside of Invercargill, is a rare floodplain forest, dominated by giant mataī. Hedgehope School has been an Enviroschool for the past five years and has reflected at Silver. The Enviroschools action learning cycle (identify current situation, look at alternatives, take action and reflect) and the guiding

principles of Māori perspectives, education for sustainability and respect for diversity of people have underpinned the approach. A range of staff from across the organisation have been involved in sharing expertise and supporting deepening understanding and action.

Since 2017, the Hedgehope School curriculum has been centred around their place, environment, people, relationships/connections, business and partnerships, student curiosity, history and change overtime. Inquiry continued into the history (change overtime) of the Hedgehope landscape. Research into early Māori, mining, forestry, agriculture, railway, dairy, world wars and land titles has been undertaken.

As part of a community event in 2022:

- students gathered mahinga kai (including toheroa from Ōreti with Hokonui Rūnanga support), which was cooked and served to the community.
- every student entered an Otago Laws of Nature photo competition;
- a two year biodiversity and regeneration project was launched at Sherwood Forest. Experts galore supported students on a weekly basis to discover species in the forest and build an understanding of the ecosystem;
- a 24 hour Bioblitz was organised through field-based STEM funding;
- increased the vegetable garden and planting of a community orchard. Students created dishes for each other for lunches and celebrations - Hedgehope School's own garden to table.

In late 2022, Creatives in School funding was approved. This funding provided an opportunity to start carving an enormous Matamata with 10 tonnes of stone donated by AB Lime. Visual mural and treasure hunt pieces with artists commenced at the start of Term 2.

The goal is to create a large sculpture representing Matamata (the “pet” Taniwha of Te Rakitauneke). Te Rakitauneke was a great warrior and esteemed leader of Kaati Māmoe. His name has been left in Southland through the name of (the old) Murihiku Marae whareniui. Matamata (the taniwha) followed Te Rakitauneke down the Southland coast changing his form as he went, creating many of the landscapes seen along the east side of Te Waipounamu. When Te Rakitauneke died Matamata was so overcome with grief he turned himself into stone, consequently forming the Hokonui Hills.

Regeneration is the 2023 focus using all the knowledge gained from working closely with Environment Southland team, the Enviroschools kaupapa, Hokonui Rūnanga, QE11, Fish and Game, Thriving Southland, Field Based STEM (Ruud Kleinpaste – The Bugman), Lloyd Esler, Catlins Bat Protection, Sinclairs and now Grants and so many more.

Environment Southland staff have been working closely with staff from Hokonui Rūnanga recently to create funding opportunities for eastern Southland schools. This funding will support student-led action projects for existing and emerging projects and help to showcase the Enviroschools kaupapa.

Here is a link to the calendar of events:

<https://www.es.govt.nz/environment/education/education-events>



Fit with strategic framework

| Outcome | Contributes | Detracts | Not applicable |
|---|-------------|----------|----------------|
| Managed access to quality natural resources | | | X |
| Diverse opportunities to make a living | X | | |
| Communities empowered and resilient | X | | |
| Communities expressing their diversity | | | X |

Views of affected parties

There are no matters in this report which require consideration under this heading.

Compliance with Significance and Engagement Policy

There are no issues within this report which trigger matters in this policy.

Considerations

Financial and legal implications

There are no financial or legal implications associated with this report.

Attachments

None

Item 4 Catchment Operations Division Update – January to March 2023

| | |
|---|--|
| Objective ID: A898798 | Strategic Direction: Communities empowered and resilient. |
| Report by: Randal Beal, Catchment Operations Manager | Approved by: Paul Hulse, General Manager, Integrated Catchment Management |
| Executive Approval: Paul Hulse, General Manager, Integrated Catchment Management | |

Purpose

For Council to note the activity within the Catchment Operations Division over the period since the last Committee meeting.

Summary

The focus for the division over the period continues to be a mix of annual asset inspections, reviewing and preparing the defects remediation work programme, climate resilience project delivery, gravel management and business-as-usual.

Recommendation

It is recommended that Council resolve to note the report.

Report

Gravel Management

The Central Otago based Survey Company, LandPro was contracted in 2022 to capture high definition LiDAR for the Mataura River corridor from the coast to Garston, including the main stem of the Waikaia up to Piano Flat. The traditional cross-section surveys are location specific but this is not a practical methodology for collecting data over entire catchments.

LandPro has been asked to prioritise the section of the Mataura River from 1 km upstream of Gore to 1 km downstream of Mataura as a priority area for completion, as this data is required to progress the 2D Hydraulic model build. The data is in the final stages of quality control but some additional validation work is likely to be required before the data is ready for acceptance.

Climate Resilience Projects

All Mataura River projects and the Invercargill City project have now been awarded. The Waimumu construction work has been completed. The project is in the final stages of completion.

The recent wet weather has had an impact on the usability of the construction material and contractor’s machinery. As a result, Wyndham will require some additional work for completion in the early stages of the 2023/24 construction season.

The Gore Ontario Street floodbank construction site preparation started in April 2023, with estimated completion by October 2023. Work has also commenced for preparing the Mataura

“gravel island” for gravel extraction, which will be used as the primary source of bulk fill material for the Ontario Street stopbank.

The Stead Street pump station project is in the construction phase and progressing well. It is on-track for completion this year.

The rock work to protect the berm of the true left floodbank of the Mataura River has been completed, with a length of 700 m, 30,000 tonnes of rock. The end product is a quality asset and includes a good all-weather access road for future maintenance requirements. Staff are developing the scope of works required for delivering the same increased level of protection for the true right stopbank.

The resource consent for both banks is progressing well.



Mataura true left bank berm rock lined and true right bank berm not rock lined

Defects and maintenance programme

Staff identified “high-risk” trees in Gore that were prioritised for the next stage of floodbank integrity improvement works.

All high risk trees in Gore that were identified for removal have now been removed, and the logs and chips have been processed and removed from site. The stump grinding and fencing is expected to be completed by early May 2023.

Stump removal and bank remediation will be undertaken during the next construction season as ground and material conditions are now too wet to continue. Staff received good support and feedback from members of the public that came to the site to observe the operation on the day.

The annual defects and maintenance programme is progressing well and is expected to be completed as scheduled.



“High Risk” tree in Gore

Waiau Catchment/Te Anau Basin

The active river corridor of the Whitestone River has become choked with exotic grasses and woody weeds, which appears to have limited channel mobility along much of the managed reach. Static, densely vegetated bars tend to trap fine sediment in smaller and more moderate floods, potentially reducing flood conveyance capacity and gravel mobility in the corridor, as well as reducing habitat for bird species that nest in open river corridors.

In order to address the problem of a locked-up river corridor and improve channel mobility and thereby potentially also the diversity of geomorphic units and habitats in the river, staff are undertaking a “beach skimming” trial in conjunction with Fish & Game New Zealand, McGregor Concrete Limited and the Department of Conservation (DOC). The approach has been informed by “skimming” undertaken in the Aparima River by Lagrue and McGregor (2021), which successfully unlocked a river reach. Removal of the vegetation, silts and upper gravels to reduce the height (lowering, not removing) of what have become densely vegetated bars in the active river corridor is anticipated to allow the river pattern to re-mobilise and reset. Re-mobilisation of the channel will also remove the pressure exerted at some margins of the corridor, where flow has been focused and causing lateral erosion.

The trials to develop methodology and manufacture data and science to support alternative gravel management techniques have shown promising results. The next steps will be to roll this methodology out onto other sites on the Whitestone and Upukerora when the required approvals from Land Information New Zealand (LINZ) and DOC have been worked through. Staff are in the

preliminary stages of developing a strategic gravel management strategy and the techniques and methodology developed in the Whitestone trial work will form part of a toolbox of solutions that can be rolled out to help address issues identified on other Southland rivers.

Mobilisation of the gravels locked by densely vegetated bars in the active river corridor is anticipated to allow the river pattern to re-mobilise and reset. Re-mobilisation of the channel will also remove the pressure exerted at some margins of the corridor, where flow has been focused and causing lateral erosion.

To assist with vegetation control and lowering the reliance on spraying, staff are also working on trial proposals for stock grazing or cut and carry (e.g. silage or lucerne) in the marginal strip.

An on-site meeting scheduled with DOC staff to continue the discussion on this issue occurred in February 2023. Staff are currently working on a more comprehensive proposal to present options, such as grazing with sheep and cut and carry operations, to the Department. The ultimate goal is a managed fairway that dovetails in with the beach skimming to deliver a good outcome in terms of improved channel capacity and enhanced biodiversity and habitat. It is hoped this will be able to be presented to stakeholders within the next few weeks.

Mataura Catchment

The 2D Hydraulic model is progressing well and the early model runs are matching well with the 2020 flood extent data. The field survey of the height and profile of the stopbanks has been completed.

Implications/Risks

There are no implications or risks directly associated with this report.

Fit with strategic framework

| Outcome | Contributes | Detracts | Not applicable |
|---|--------------------|-----------------|-----------------------|
| Managed access to quality natural resources | X | | |
| Diverse opportunities to make a living | X | | |
| Communities empowered and resilient | X | | |
| Communities expressing their diversity | X | | |

Compliance with Significance and Engagement Policy

There are no issues within this report which trigger matters in this policy.

Attachments

None



Item 5 Contracts and Progress on Works

| | |
|---|--|
| Objective ID: | Strategic Direction: Council Policy |
| Report by: Randal Beal, Catchment Operations Manager | Approved by: Paul Hulse, General Manager, Integrated Catchment Management |
| Executive Approval: Paul Hulse, General Manager, Integrated Catchment Management | |

Purpose

To provide Councillors with an update on contracts and progress on works entered into by the Catchment Operations Division during the period (attached).

Recommendation

It is recommended that Council resolve to note update on Contracts and Progress on Works.

Public Bodies Contracts - 1 January to 31 March 2023

| | Aparima Riverworks to Per 9 | Contractor/Supplier | Cost ex GST |
|------------|---|--|--------------------|
| 30/01/2023 | Rock cartage on the Aparima stream C26042 | Healy Trucking | 6,133.20 |
| 07/02/2023 | Place rock Aparima dig out culvert C26045 | Central Southland Excavating | 689.16 |
| 07/02/2023 | Place rock Aparima dig out culvert C26045 | Central Southland Excavating | 1,636.76 |
| 09/02/2023 | <<EFT 942.200298-01 Clean around Bayswater culvert Aparima C27066 | Central Southland Excavating | 1,206.03 |
| 16/02/2023 | Sprayed cleared stopbank Aparima River C27053 | MS Contracting Ltd | 6,872.29 |
| 28/02/2023 | Fairway spraying on Aparima River C26031 | Heliops Southland Ltd | 11,696.40 |
| 07/03/2023 | Aparima Repair C27063 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 297.00 |
| 14/03/2023 | Supply Concrete Titan Pipe J2 1800.2440MM Class 2 RRJ | Humes Pipeline | 3,084.20 |
| 14/03/2023 | Supply Concrete Titan Pipe J2 1800.2440MM Class 2 RRJ | Humes Pipeline | 6,168.40 |
| 14/03/2023 | supply Concrete Titan Pipe J2 1800.2440MM Class 2 RRJ | Humes Pipeline | 6,168.40 |
| 27/03/2023 | Spraying Bayswater drain C27075 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 56.00 |
| 27/03/2023 | Spraying Bayswater drain C27075 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 200.00 |
| 31/03/2023 | Advice on Flood Control Management Bylaw | Wynn Williams & Co | 299.51 |
| | Total | | 44,507 |
| | Invercargill Riverworks to Per 9 | | |
| 01/01/2023 | Mowing stop banks C 25632 | Cleanways 2003 Ltd | 4,345.80 |
| 01/01/2023 | Mowing stop banks C 25632 | Cleanways 2003 Ltd | 4,945.22 |
| 01/01/2023 | Mowing stop banks C 25632 | Cleanways 2003 Ltd | 5,694.50 |
| 01/01/2023 | Labour Invercargill schemes | Stephen G Kelly | 242.00 |
| 08/01/2023 | Labour Invercargill schemes | Stephen G Kelly | 242.00 |
| 18/01/2023 | Ground spraying | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 980.00 |
| 18/01/2023 | Ground spraying | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 3,296.50 |
| 31/01/2023 | Bin Hire 29A Howorth St C26524 | Trojan Holdings Ltd | 12.35 |
| 31/01/2023 | share Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 801.43 |
| 31/01/2023 | Supply Traffic Plan.Waihopai Walking Track C26526 | Traffic Management Services Ltd | 548.00 |
| 31/01/2023 | Waihopai Tree Removal C26527 | Drainage & Excavation Services Ltd | 18,325.00 |
| 31/01/2023 | Waihopai works C26527 | Drainage & Excavation Services Ltd | 18,747.50 |
| 31/01/2023 | Waihopai Tree Removal C26527 | Drainage & Excavation Services Ltd | 19,342.52 |
| 31/01/2023 | Labour Invercargill schemes | Stephen G Kelly | 277.00 |
| 01/02/2023 | Spraying C26533 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 828.00 |
| 01/02/2023 | Spraying C26533 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 965.50 |
| 01/02/2023 | Spraying C25613 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,370.00 |
| 01/02/2023 | Spraying C26533 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 509.00 |
| 07/02/2023 | Supply Nui Ryegrass C26535 | Farmlands Co-operative Society Ltd | 180.00 |
| 07/02/2023 | supply Timber Posts Gudgeon etc C26532 | Great Southern Invercargill | 808.07 |
| 08/02/2023 | Reimburse A Garcia- Fuel consents car HHS729 | Andrea Garcia | 91.62 |
| 08/02/2023 | Spraying | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,072.00 |
| 13/02/2023 | Hire Equipment Invercargill. Waihopai Floodbank | Traffic Management Services Ltd | 103.50 |
| 14/02/2023 | Maintenance Waihopai/Otepuni C26534 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,774.00 |
| 14/02/2023 | Maintenance Waihopai/Otepuni C26534 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,971.00 |
| 20/02/2023 | Work on Clifton Drain C27052 | Stephen G Kelly | 264.35 |
| 20/02/2023 | Labour Invercargill schemes | Stephen G Kelly | 304.00 |
| 27/02/2023 | Empty doggy doo bins invercargill stopbanks C2653 | Stephen G Kelly | 242.00 |
| 28/02/2023 | Bin Hire 29A Howorth St C27155 | Trojan Holdings Ltd | 128.26 |
| 28/02/2023 | Mowing Stopbanks C27153 | Cleanways 2003 Ltd | 4,345.80 |
| 28/02/2023 | Mowing Stopbanks C27153 | Cleanways 2003 Ltd | 4,945.22 |

| | | | |
|-------------------------------------|--|---|----------------|
| 28/02/2023 | Mowing Stopbanks C27153 | Cleanways 2003 Ltd | 5,694.50 |
| 28/02/2023 | <<EFT 939.202115-01 Inver Main Waihopai Kelly & Scrub Bar Bridg C26534 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,150.00 |
| 01/03/2023 | Carry out fence repairs C26536 | Lyell Crawford Penno | 3,629.00 |
| 06/03/2023 | Supply fencing materials C27154 | Great Southern Invercargill | 302.86 |
| 13/03/2023 | Labour Various Ingill Works C24703 | Stephen G Kelly | 242.00 |
| 21/03/2023 | Kingswell & Waihopai Fence Repairs C26534 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 482.00 |
| 21/03/2023 | Kingswell & Waihopai Fence Repairs C26534 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 494.00 |
| 31/03/2023 | Bin Hire 29A Howorth St C27164 | Trojan Holdings Ltd | 12.35 |
| Total | | | 109,709 |
| Makarewa Riverworks to Per 9 | | | |
| 10/01/2023 | Ground Spraying Makerewa catchment | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 2,900.00 |
| 16/01/2023 | Labour tree removal Makarewa River C25221 | A K Swann Southern Contracting Ltd | 3,392.50 |
| 18/01/2023 | Supply Fencing Materials C25233 | Goldpine Industries Ltd | 1,187.77 |
| 30/01/2023 | Penalty on late made of inv 30040039972 | Farm Source | 22.90 |
| 30/01/2023 | Labour Makarewa willow clearing | A K Swann Southern Contracting Ltd | 6,153.00 |
| 31/01/2023 | Share Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 267.15 |
| 31/01/2023 | Clearing willows/edge protection C25220 | Drainage & Excavation Services Ltd | 26,074.99 |
| 02/02/2023 | Supply Fencing Materials C26778 | Goldpine Industries Ltd | 251.39 |
| 14/02/2023 | Labour Makarewa willow clearing | A K Swann Southern Contracting Ltd | 5,748.50 |
| 27/02/2023 | Labour Makarewa willow removal SH96 C25221 | A K Swann Southern Contracting Ltd | 2,223.75 |
| 28/02/2023 | Otapiri Willow clearance | Drainage & Excavation Services Ltd | 2,450.00 |
| 28/02/2023 | Hedgehope Willow clearance | Drainage & Excavation Services Ltd | 13,650.00 |
| 13/03/2023 | Labour Makarewa Work | A K Swann Southern Contracting Ltd | 786.75 |
| 14/03/2023 | Ground spraying Makarewa | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 400.00 |
| 28/03/2023 | Labour Otapiri Stream + Makarewa Catchment | A K Swann Southern Contracting Ltd | 589.50 |
| 30/03/2023 | Chipper work Hedgehope & Makarewa C25235 | DT King & Co Ltd | 3,660.00 |
| | | | 69,758 |
| Mataura Riverworks to Per 9 | | | |
| 01/01/2023 | Tree works C26755 | NC & GT Johnston | 840.00 |
| 01/01/2023 | Place & supply 270 tonne rock Upper Mataura C26348 | AG-Works South | 10,044.00 |
| 01/01/2023 | Supply & Cart 450 tonne of rock C26766 | AG-Works South | 18,225.00 |
| 01/01/2023 | Supply Rip Rap 21/12/22 | Fulton Hogan Central Otago Ltd | 18,296.50 |
| 01/01/2023 | Mataura Stopbank Geophysics | Cook Costello Ltd | 110,819.98 |
| 13/01/2023 | Mataura river spraying | High Country Helicopters | 47,319.99 |
| 31/01/2023 | Cart rock Inv13538 | NC & GT Johnston | 1,131.00 |
| 31/01/2023 | Carry out work ES-CRP-01-23 Inv7773 | K2 Kontracting | 6,332.91 |
| 31/01/2023 | Carry out work ES-CRP-01-23 Inv386 | Linton Contracting Ltd | 10,508.00 |
| 31/01/2023 | Carry out work ES-CRP-1-23 Inv7758 | K2 Kontracting | 29,676.53 |
| 31/01/2023 | Carry out work ES-CRP-01-23 Inv13535 | NC & GT Johnston | 10,504.00 |
| 31/01/2023 | Carry out work ES-CRP-01-23 Inv4767 | Fisken Contracting Ltd | 16,999.20 |
| 31/01/2023 | Carry out work ES-CRP-01-23 Inv7774 | K2 Kontracting | 20,239.99 |
| 31/01/2023 | Carry out work ES-CRP-01-23 Inv7771 | K2 Kontracting | 83,476.88 |
| 31/01/2023 | Share of Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 1,068.57 |
| 31/01/2023 | Night Shooting C25529 | D M Holdings | 153.33 |
| 31/01/2023 | Night Shooting C25529 | D M Holdings | 153.33 |
| 31/01/2023 | Night Shooting C25529 | D M Holdings | 153.34 |
| 31/01/2023 | To recode Land River Sea Consulting Invoices | River Works Expenditure : Mataura Rating District : Structure Maintenance | -23,625.70 |
| 31/01/2023 | To recode Land River Sea Consulting Invoices | River Works Expenditure : Mataura Rating District : Structure Maintenance | -4,109.66 |

| | | | |
|------------|---|---|-----------|
| 31/01/2023 | To recode Mataura Investigation invoices | River Works Expenditure : Mataura Rating District : Structure Maintenance | 946.70 |
| 31/01/2023 | Engineering Advice | Land River Sea Consulting | 2,310.00 |
| 31/01/2023 | Mataura River Modelling | Land River Sea Consulting | 3,945.00 |
| 31/01/2023 | To recode Land River Sea Consulting Invoices | River Works Expenditure : Mataura Rating District : Structure Maintenance | 4,109.66 |
| 31/01/2023 | To recode Mataura Investigation invoices | River Works Expenditure : Mataura Rating District : Structure Maintenance | 10,569.20 |
| 31/01/2023 | To recode Land River Sea Consulting Invoices | River Works Expenditure : Mataura Rating District : Structure Maintenance | 23,625.70 |
| 01/02/2023 | Carry out work ES-CRP-01-23 Inv 13537 | NC & GT Johnston | 1,408.00 |
| 02/02/2023 | Supply Glenmark Shrub Willows C26315 | Graham David Milligan | 11,600.00 |
| 03/02/2023 | Catchment Division -Mataura Rock protection 2023 | Southern Land and Water Planning Limited | 2,557.50 |
| 07/02/2023 | Work completed by JB Ellis 29 Jan to 4 Feb | Jedex | 4,139.13 |
| 08/02/2023 | Cart Waikaia R C26783 | K2 Kontracting | 2,799.94 |
| 09/02/2023 | Cart Rock to Waikaia Stream C26782 | NC & GT Johnston | 2,716.00 |
| 15/02/2023 | Spraying floodway Gore to Wyndham C26338 | High Country Helicopters | 10,080.00 |
| 16/02/2023 | Supply Rip Rap 16/2/23 | Fulton Hogan Central Otago Ltd | 16,021.00 |
| 17/02/2023 | Spraying up Eyre Creek C26338 C26797 | High Country Helicopters | 2,800.00 |
| 17/02/2023 | Spraying from Nokomai to Athol C26338 C26796 | High Country Helicopters | 5,040.00 |
| 18/02/2023 | Carry out Tree Works C27103 | NC & GT Johnston | 868.00 |
| 20/02/2023 | Cart Rock ex Hillside Metals 780 ton 11km C26790 | K2 Kontracting | 2,980.34 |
| 20/02/2023 | Cart Rock to Hillside Metal to Gorge Road C26789 | NC & GT Johnston | 2,697.00 |
| 20/02/2023 | Work Completed by JB Ellis 20-26Feb23 48 hrs | Jedex | 4,080.00 |
| 23/02/2023 | Carry out work ES-CRP-02-28 Inv13542 | NC & GT Johnston | 5,184.00 |
| 27/02/2023 | Supply River Protection Rock C27101 | Hillside Metals Co Ltd | 11,988.00 |
| 28/02/2023 | Channel Maintenance Quarry C27102 | Fisken Contracting Ltd | 1,010.90 |
| 28/02/2023 | Carry out work ES-CRP-02-28 Inv7835 | K2 Kontracting | 47,512.33 |
| 28/02/2023 | Channel Maintenance Lower Mataura C26791 | Fisken Contracting Ltd | 869.00 |
| 28/02/2023 | Channel Maintenance Lower Mataura C26791 | Fisken Contracting Ltd | 6,238.32 |
| 28/02/2023 | Carry out work ES-CRP-02-28-Inv7834 | K2 Kontracting | 26,938.99 |
| 28/02/2023 | Carry out work ES-CRP-02-28 Inv13540 | NC & GT Johnston | 2,958.00 |
| 28/02/2023 | Carry out work ES-CRP-02-28-Inv13540 | NC & GT Johnston | 5,184.00 |
| 28/02/2023 | Cart Rock to Waikaia 1050 Ton 15Km Cart C26784 | Fisken Contracting Ltd | 5,590.72 |
| 28/02/2023 | Carry out work ES-CRP-02-28-Inv7821 | K2 Kontracting | 6,985.00 |
| 28/02/2023 | Carry out work ES-CRP-02-28-Inv7829 | K2 Kontracting | 8,220.54 |
| 28/02/2023 | Carry out work ES-CRP-02-28 Inv4799 | Fisken Contracting Ltd | 15,860.06 |
| 28/02/2023 | Carry out work ES-CRP-02-28-Inv430 | Linton Contracting Ltd | 30,343.99 |
| 28/02/2023 | Carry out work ES-CRP-02-28-Inv7827 | K2 Kontracting | 83,110.28 |
| 28/02/2023 | Night Shootings Gore Matura & Wyndham C25529 | D M Holdings | 153.33 |
| 28/02/2023 | Night Shootings Gore Matura & Wyndham C25529 | D M Holdings | 153.33 |
| 28/02/2023 | Night Shootings Gore Matura & Wyndham C25529 | D M Holdings | 153.34 |
| 28/02/2023 | General Engineering Advice | Land River Sea Consulting | 1,365.00 |
| 01/03/2023 | Boat Transport for True South Survey8.5hrs213.8km | AJ Owen Holdings Ltd | 1,315.05 |
| 01/03/2023 | Mataura River Modelling | Land River Sea Consulting | 14,212.50 |
| 01/03/2023 | Legal opinion on Emergency Works - Mataura Stop Banks | Wynn Williams & Co | 321.36 |
| 05/03/2023 | Catchment Divison- Mataura Rock protection 2023 | Southern Land and Water Planning Limited | 4,225.50 |
| 07/03/2023 | Cart Rock to Gunton Farm 1400 Ton 38km Cart | NC & GT Johnston | 4,440.00 |
| 08/03/2023 | Cart rock ex pyramid quarry to Waikaia 27km 516ton | NC & GT Johnston | 1,820.00 |
| 10/03/2023 | Spraying Eyre Creek C27121 | High Country Helicopters | 4,160.00 |
| 22/03/2023 | Supply 2 x Flaggates C27156 | Engineering Sheetmetal & Marine Ltd | 1,083.77 |
| 23/03/2023 | Carry out work ES-CRP-IBSU-03-23-Inv13544 | NC & GT Johnston | 3,328.00 |
| 29/03/2023 | Cart Rock to Mataura R approx 500 Ton 7km | NC & GT Johnston | 1,215.50 |
| 29/03/2023 | Supply Rip Rap Argyle Station Job 2 23.3.23 | Fulton Hogan Central Otago Ltd | 6,432.00 |

| | | | |
|------------|---|--------------------------------|-----------|
| 29/03/2023 | Supply Rip Rap Pyramid Quarry to B McLeod 23.3.23 | Fulton Hogan Central Otago Ltd | 8,917.00 |
| 29/03/2023 | Supply Rip Rap Argyle Station 23.3.23 | Fulton Hogan Central Otago Ltd | 16,310.00 |
| 31/03/2023 | Carry out work ES-CRP-IBSU-03-23 Inv7899 | K2 Contracting | 45,298.53 |
| 31/03/2023 | Supply ES-CRP-IBSU-03-23 Inv7911 | K2 Contracting | 60,858.58 |
| 31/03/2023 | Supply ES-CRP-IBSU-03-23 Inv7911 | K2 Contracting | 352.43 |
| 31/03/2023 | Supply ES-CRP-IBSU-03-23 Inv7907 | K2 Contracting | 3,850.98 |
| 31/03/2023 | supply rock to Argyle Station Gunton Farms C27104 | K2 Contracting | 7,172.55 |
| 31/03/2023 | Carry out channel Maintenance Waikaia C27106 | Fisken Contracting Ltd | 13,788.20 |
| 31/03/2023 | Channel Maintenance B McLeod C26800 | Fisken Contracting Ltd | 3,788.80 |
| 31/03/2023 | Channel Maintenance Waikaia C27109 | Fisken Contracting Ltd | 5,316.00 |
| 31/03/2023 | Carry out work ES-CRP-IBSU-04-23 Inv448 | Linton Contracting Ltd | 21,385.99 |
| 31/03/2023 | Carry out work ES-CRP-IBSU-03-23 Inv7902 | K2 Contracting | 24,159.99 |
| 31/03/2023 | Night Shooting C25529 | D M Holdings | 153.33 |
| 31/03/2023 | Night Shooting C25529 | D M Holdings | 153.33 |
| 31/03/2023 | Night Shooting C25529 | D M Holdings | 153.34 |
| 31/03/2023 | Smartfix charges for 1 day | Global Survey Limited | 100.00 |
| 31/03/2023 | Flood Control Management Bylaw | Wynn Williams & Co | 299.52 |
| 31/03/2023 | General Engineering Advice | Land River Sea Consulting | 525.00 |
| 31/03/2023 | Mataura River Modelling | Land River Sea Consulting | 16,576.25 |

1,005,033

Oreti Riverworks to Per 9

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| 09/01/2023 | Hire Equipment/ Labour Westplains Taramoa | Traffic Management Services Ltd | 473.00 |
| 13/01/2023 | Supply culvert Pipe C26661 | P & F Global Ltd | 1,216.42 |
| 16/01/2023 | Irthing Stream Maintenance C25221 | A K Swann Southern Contracting Ltd | 3,003.75 |
| 17/01/2023 | Inspection Ferry Rd flood banks | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 229.00 |
| 18/01/2023 | Supply nails stainless clip C26668 | Blacks Fasteners Ltd | 18.57 |
| 19/01/2023 | Mow stopbank at Rest Area South of Dipton 19.1.23 | McDonough Contracting | 300.00 |
| 22/01/2023 | Supply Rapid Cement C26667 | Southern Transport Co Ltd | 100.00 |
| 23/01/2023 | Supply Rye Clover Uncertified 25kg C26669 | PGG Wrightson Ltd | 181.74 |
| 25/01/2023 | Supply C26662 Concrete Blocks | Allied Concrete | 680.00 |
| 27/01/2023 | Supply AP 40 Dunite - 20 tonnes C26664 | Jim Bates Contracting | 580.00 |
| 30/01/2023 | Supply labour Irthing Stream | A K Swann Southern Contracting Ltd | 462.00 |
| 31/01/2023 | Oreti share hire Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 534.29 |
| 31/01/2023 | Chipper hire for Irthing C25235 | DT King & Co Ltd | 3,150.00 |
| 31/01/2023 | Supply Rip Rap Rock C26659 | J Crooks & Sons Ltd | 6,160.00 |
| 31/01/2023 | Hire Digger at Greenhills C26658 | Stirling Contracting | 8,043.00 |
| 31/01/2023 | Hire Digger to cart rock C26663 | Stirling Contracting | 8,783.50 |
| 31/01/2023 | Inspection flight Oreti River C25234 C26651 | Southland Helicopters Ltd | 828.75 |
| 31/01/2023 | Spraying Oreti River C25234 C26651 | Southland Helicopters Ltd | 45,601.49 |
| 01/02/2023 | Supply spray paint C26673 | Blacks Fasteners Ltd | 71.80 |
| 03/02/2023 | Braxholme consulting charges SWLP- Oreti | Southern Land and Water Planning Limited | 75.00 |
| 07/02/2023 | Supply Threaded Rod Black Nylon Cable C26676 | Blacks Fasteners Ltd | 90.71 |
| 07/02/2023 | Supply Sikagrout 212 25KG C26677 | Placemakers | 91.51 |
| 08/02/2023 | Supply Plywood C26678 | Great Southern Invercargill | 46.85 |
| 08/02/2023 | Supply Simson MSR-CA Roofix Woodscrew Power Bit C26681 | Blacks Fasteners Ltd | 81.37 |
| 08/02/2023 | Floodbank and track access spraying | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 1,300.00 |
| 14/02/2023 | Supply Rye Clover Uncertified 50kg C26680 | PGG Wrightson Ltd | 351.74 |
| 15/02/2023 | Supply Drill Bits Set Screws etc C26683 | Blacks Fasteners Ltd | 160.35 |
| 16/02/2023 | Correct coding C26684 | E Hayes & Sons Ltd | 44.49 |

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|------------|---|---|-----------|
| 16/02/2023 | Manufacture and supply rubber seal C26682 | Total Conveyer Limited | 623.11 |
| 17/02/2023 | Repairs & Materials Flood Gate Frame C26679 | Brian Nicoll Engineering (2004) Ltd | 1,066.26 |
| 19/02/2023 | Deliver culvert pipe to Waitoru | Freight Haulage Ltd | 1,721.63 |
| 20/02/2023 | Rammer Upright Hire 17/2/23 C26686 | Kennards Hire | 126.09 |
| 21/02/2023 | Supply 1.8m x 100mmm Rounded Superpst Pointed C25240 | Goldpine Industries Ltd | 65.22 |
| 27/02/2023 | Supply labour Waitouru culvert installation C26691 | A K Swann Southern Contracting Ltd | 2,297.75 |
| 27/02/2023 | Supply Thread Rods Hex Nuts C26990 | Blacks Fasteners Ltd | 21.78 |
| 28/02/2023 | Supply aggregate 16-17Feb 23 C26685 | AG & GJ Whyte Ltd | 1,655.99 |
| 28/02/2023 | Hire Trucks at Tomoporakau Creek Wallacetown | Stirling Contracting | 1,750.00 |
| 28/02/2023 | site works Waitoru Culvert | Drainage & Excavation Services Ltd | 6,825.00 |
| 28/02/2023 | To Hire Digger Lower Oreti works C26674 | Stirling Contracting | 7,927.50 |
| 28/02/2023 | To Hire Digger Sparbush area C26692 | Stirling Contracting | 8,693.00 |
| 28/02/2023 | To Hire Digger at Gap Rd C26674 | Stirling Contracting | 17,996.00 |
| 28/02/2023 | Spraying Oreti River 28/2/23 | Southland Helicopters Ltd | 1,397.50 |
| 01/03/2023 | supply Round Sling Wire Rope etc C26660 | Cookes | 272.39 |
| 01/03/2023 | Supply Glenmark Willow Wands & Poles C26138 | Graham David Milligan | 400.00 |
| 01/03/2023 | To Hire Digger at Wallacetown C26674 | Stirling Contracting | 7,771.00 |
| 02/03/2023 | Supply Rye Clove Uncerified 75kg C26695 | PGG Wrightson Ltd | 527.61 |
| 05/03/2023 | Branxholme consulting charges | Southern Land and Water Planning Limited | 261.00 |
| 05/03/2023 | Branxholme consulting charges | Southern Land and Water Planning Limited | 261.00 |
| 16/03/2023 | Supply Cold Zinc Galv Nyloc Hex Nut C26699 | Blacks Fasteners Ltd | 78.57 |
| 16/03/2023 | Supply Rye Clover Uncerified 75kg C26700 | PGG Wrightson Ltd | 653.24 |
| 17/03/2023 | Rock Supply March 2023 | Geoffrey Mervyn Jukes | 960.00 |
| 21/03/2023 | Spray flood banks C26666 | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 2,600.00 |
| 22/03/2023 | Supply Flapgate C26697 | Engineering Sheetmetal & Marine Ltd | 1,074.00 |
| 27/03/2023 | Compliance Monitoring Costs for AUTH-20222481-01 | Southland Regional Council | 63.83 |
| 28/03/2023 | Supply labour Irthing Stream | A K Swann Southern Contracting Ltd | 416.75 |
| 28/03/2023 | Spray Dipton stop Bank Gorse Broom 18.5hrs | MS Contracting Ltd | 2,079.43 |
| 28/03/2023 | Spray Irthing Stream Ellis Rd Bridge 22hrs | MS Contracting Ltd | 2,477.35 |
| 28/03/2023 | Spray Oreti Beach Branxholme Beach 31 hrs | MS Contracting Ltd | 3,570.49 |
| 30/03/2023 | To Hire Digger Centrebush area C27403 C27404 | Stirling Contracting | 925.00 |
| 30/03/2023 | Hire Digger at Winton bridge area C26692 | Stirling Contracting | 5,717.20 |
| 30/03/2023 | To Hire Digger at Oreti River C27404 | Stirling Contracting | 7,286.00 |
| 30/03/2023 | To Hire Digger at Gap Rd area C27405 | Stirling Contracting | 9,355.00 |
| 30/03/2023 | Hire Digger Thompson Xng & Wallacetown area C27405 C27403 | Stirling Contracting | 12,823.00 |
| 31/03/2023 | Legal opinion Flood Control Management Bylaw | Wynn Williams & Co | 299.52 |

194,699

Te Anau Riverworks to Per 9

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| 01/01/2023 | Monitoring Costs AUTH 20168959 | Southland Regional Council | 450.02 |
| 01/01/2023 | Rock Job at Whitestone River 25/11 | Carran Scott Contracting Co Ltd | 8,185.19 |
| 09/01/2023 | Drafting resource consent variation application | Southern Land and Water Planning Limited | 1,350.00 |
| 31/01/2023 | Cart rock to Mcleans C25225 | Sweeney Excavation Ltd | 27,731.99 |
| 31/01/2023 | Inspection Whitestone River C25234 C26651 | Southland Helicopters Ltd | 828.75 |
| 31/01/2023 | Spray Gorse - Broom Whitestone River | MS Contracting Ltd | 7,015.60 |
| 03/02/2023 | Cart rock to Whitestone River downstream SH 94 bridge | Southern Land and Water Planning Limited | 120.00 |
| 28/02/2023 | Place rock work Whitestone R C25225 | Sweeney Excavation Ltd | 11,965.00 |
| 16/03/2023 | Upukerova Gravel Lease | Department of Conservation | 6,573.00 |
| 17/03/2023 | Upukerova Gravel lease & Management Fee | Department of Conservation | 250.00 |
| 30/03/2023 | Aerial Spraying Whitestone | Southland Helicopters Ltd | 9,680.00 |

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|--|--|---|-----------|---------------|
| 31/03/2023 | Upukekerora and Whitestone Drafting concession | Southern Land and Water Planning Limited | 1,350.00 | |
| | Total | | | 75,500 |
| Waiau Riverworks to Per 9 | | | | |
| 31/01/2023 | Inspection flight River C25234 C26651 | Southland Helicopters Ltd | 828.75 | |
| 28/02/2023 | Spraying Waiau River 28/2/23 | Southland Helicopters Ltd | 27,374.87 | |
| 14/03/2023 | Ground spraying Waiau | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 400.00 | |
| 30/03/2023 | Aerial Spraying Waiau | Southland Helicopters Ltd | 39,041.25 | |
| 31/01/2023 | Rating district share Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 267.15 | |
| 01/03/2023 | Inspection of Tuatapere Township flood bank | A K Swann Southern Contracting Ltd | 308.25 | |
| 01/02/2023 | Wynn Williams advice re: Ownership of Tui Floodbanks | Wynn Williams & Co | 1,766.99 | |
| 10/02/2023 | Supply fencing materials C25238 | Great Southern Invercargill | 3,070.76 | |
| 28/02/2023 | Fencing materials freight to Lower Waiau C25237 | DT Kings Transport Ltd | 1,659.85 | |
| 29/03/2023 | Freight fencing materials Upper Waiau C25239 | Great Southern Invercargill | 19,417.74 | |
| | Total | | | 94,136 |
| Aparima Land Drainage to Per 9 | | | | |
| 31/03/2023 | TF Wynn Williams Invs from Resource 603 to 403 | Land Drainage Expenditure : Aparima Rating District : Solicitors Fees | 449.28 | |
| 31/03/2023 | TF Wynn Williams Invs from Resource 603 to 403 | Land Drainage Expenditure : Aparima Rating District : Solicitors Fees | 861.12 | |
| 31/03/2023 | TF Wynn Williams Invs from Resource 603 to 403 | Land Drainage Expenditure : Aparima Rating District : Solicitors Fees | 1,123.20 | |
| 31/03/2023 | TF Wynn Williams Invs from Resource 603 to 403 | Land Drainage Expenditure : Aparima Rating District : Solicitors Fees | 7,606.55 | |
| 31/01/2023 | Interest for late payment of Driftex | Farmlands Co-operative Society Ltd | 1.97 | |
| 09/02/2023 | Cleaning on the Opio Stream C27068 | Central Southland Excavating | 4,307.27 | |
| 27/03/2023 | Spraying bayswater drain C27075 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,960.00 | |
| 01/01/2023 | Aparima River Briefing Inspection Flight 8 Dec | Heliops Southland Ltd | 2,915.00 | |
| 31/01/2023 | Share Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 267.15 | |
| | Total | | | 19,492 |
| Makarewa Land Drainage to Per 9 | | | | |
| 31/01/2023 | Share Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 267.15 | |
| Mataura Land Drainage to Per 9 | | | | |
| 10/01/2023 | Ground Spraying Parawa Stream C26512 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,190 | |
| 31/01/2023 | Interest for late payment of Driftex | Farmlands Co-operative Society Ltd | 2 | |
| 31/01/2023 | Machine cleaning C26510 | Thwaites Contracting Ltd | 3,465 | |
| 31/01/2023 | Correct coding | Thwaites Contracting Ltd | 4,455 | |
| 31/01/2023 | Oteramika Machine cleaning C26511 | Thwaites Contracting Ltd | 5,115 | |
| 31/01/2023 | Correct coding | Thwaites Contracting Ltd | 6,600 | |
| 31/01/2023 | Oteramika Davidson Trib C26511 | Thwaites Contracting Ltd | 8,250 | |
| 31/01/2023 | Oteramika Machine cleaning C26511 | Thwaites Contracting Ltd | 15,840 | |
| 31/01/2023 | Machine cleaning Oteramika C26511 | Thwaites Contracting Ltd | 4,455 | |
| 31/01/2023 | Oteramika Machine cleaning C26511 | Thwaites Contracting Ltd | 6,600 | |
| 01/02/2023 | Aquatic Spraying C26512 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 910 | |
| 07/02/2023 | Titiroa Gates Rca C23037 | WSP New Zealand Limited | 5,500 | |
| 28/02/2023 | Oteramika cleaning main channel C26511 | Thwaites Contracting Ltd | 8,498 | |
| 28/02/2023 | Cleaning Oteramika Main Channel C26511 | Thwaites Contracting Ltd | 12,045 | |
| 28/02/2023 | Cleaning Oteramika Trib 3 C26511 | Thwaites Contracting Ltd | 14,520 | |
| 28/02/2023 | Aquatic Spraying Pawera C26512 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 1,190 | |
| 27/03/2023 | Ground Spraying Waimumu Stream C26512 | Weathertight Roofing Ltd t/a Phil Bevin Spraying | 4,590 | |
| 28/03/2023 | Spray Waikaka Stream C26538 | MS Contracting Ltd | 4,095 | |

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| 28/03/2023 | Spray Lower Waimea Stream willows C26538 | MS Contracting Ltd | 13,910 |
| 31/03/2023 | Channel Maintenance Longrdge Stream C27151 | Fisken Contracting Ltd | 969 |
| 31/03/2023 | Cleaning Oteramika Trib 1 20 ton excavator C26511 | Thwaites Contracting Ltd | 990 |
| 31/03/2023 | Waimumu Stream clearing gravel on trees C25638 | K2 Kontracting | 1,520 |
| Total | | | 124,708 |
| Oreti Land Drainage to Per 9 | | | |
| 16/01/2023 | Clean Murray C26665 | Gunther Excavating Ltd | 4,050.00 |
| 16/01/2023 | Clean Stagstream Cutoff C26665 | Gunther Excavating Ltd | 4,275.00 |
| 16/01/2023 | Clean Roeburn C26665 | Gunther Excavating Ltd | 7,275.00 |
| 31/01/2023 | Manufacture s/s plate for flood gates C26672 | Brian Nicoll Engineering (2004) Ltd | 248.30 |
| 31/01/2023 | Interest for late payment of Driftex | Farmlands Co-operative Society Ltd | 1.96 |
| 01/03/2023 | Supply Dee Shackle Chain C26675 | Cookes | 88.28 |
| 01/03/2023 | Removal of willows Tomoporakau Stream C26694 | Gunther Excavating Ltd | 4,650.00 |
| 30/03/2023 | Erosion repairs Winton stream C27403 C27404 | Stirling Contracting | 2,357.00 |
| Total | | | 22,946 |
| Sharpridge Land Drainage to Per 9 | | | |
| 20/02/2023 | Ground spraying Sharpridge Stream | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 3,600.00 |
| 21/02/2023 | Ground spraying Sharpridge Stream | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 5,400.00 |
| 28/02/2023 | Sharpridge Spraying | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 1,200.00 |
| Total | | | 10,200 |
| Orauea Land Drainage to Per 9 | | | |
| 01/01/2023 | Cart rock ex NCL Quarry to Clifden Bridge | Nightcaps Contracting Ltd | 2,406.20 |
| 07/02/2023 | Supply fencing materials C25236 | Great Southern Invercargill | 249.47 |
| 28/02/2023 | Orawia Rock Work | Nightcaps Contracting Ltd | 16,344.67 |
| 13/03/2023 | Orawia Maintenance | A K Swann Southern Contracting Ltd | 2,255.76 |
| 28/03/2023 | Orawia willow work | A K Swann Southern Contracting Ltd | 1,253.75 |
| Total | | | 22,510 |
| Wairaki Land Drainage to Per 9 | | | |
| 31/01/2023 | Inspection flight Wairaki R C25234 C26651 | Southland Helicopters Ltd | 828.76 |
| Fenham Land Drainage to Per 9 | | | |
| 01/01/2023 | Cart rock ex NCL Quarry to Clifden Bridge | Nightcaps Contracting Ltd | 2,406.19 |
| 31/01/2023 | Interest for late payment of Driftex | Farmlands Co-operative Society Ltd | 1.97 |
| 31/01/2023 | Fenham rock work | Nightcaps Contracting Ltd | 12,404.62 |
| 28/02/2023 | Fenham Willows | Drainage & Excavation Services Ltd | 8,400.00 |
| 01/03/2023 | Correct coding inv 68 | A K Swann Southern Contracting Ltd | 2,109.25 |
| 13/03/2023 | Fenham maintenance | A K Swann Southern Contracting Ltd | 3,793.75 |
| 28/03/2023 | Fenham willow work | A K Swann Southern Contracting Ltd | 2,987.50 |
| Total | | | 32,103 |
| Lilburn Land Drainage to Per 9 | | | |
| 31/01/2023 | Share Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 267.15 |
| 28/02/2023 | Lil Burn Spraying | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 5,000.00 |
| 07/03/2023 | Lill Burn Spraying | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 4,400.00 |
| 28/03/2023 | Inspection Lill Burn after flood event | A K Swann Southern Contracting Ltd | 222.00 |

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|---|--|---|-----------|--------|
| Total | | | | 9,889 |
| Clifton Land Drainage to Per 9 | | | | |
| 28/02/2023 | Cleaning Clifton Drain C27055 | Thwaites Contracting Ltd | 8,992.50 | |
| Duck Creek Land Drainage to Per 9 | | | | |
| 31/01/2023 | Share of Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 534.29 | |
| Lake Hawkins Land Drainage to Per 9 | | | | |
| 01/01/2023 | Pump servicing December 22 | Allan Savage Contracting | 1,550.00 | |
| 11/01/2023 | DD18123 Pump Stn electricity to 23/12/22 | Contact Energy Ltd | 1,399.42 | |
| 16/01/2023 | Sunscreen Palm Coat etc C26037 | NZ Safety Ltd | 66.69 | |
| 16/01/2023 | Machine cleaning C26036 | Thwaites Contracting Ltd | 29,339.99 | |
| 31/01/2023 | Stead St pump station Daily servicing C26050 | Allan Savage Contracting | 3,142.50 | |
| 01/02/2023 | Supply Premium HD Grease Cart C26004 | JJ Ltd | 87.84 | |
| 01/02/2023 | Lake Hawkins spraying C26043 | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 2,240.00 | |
| 13/02/2023 | DD220223 Pump Stn electricity to 27/01/23 | Contact Energy Ltd | 924.64 | |
| 28/02/2023 | Machine clean Lake Hawkins C27058 | Thwaites Contracting Ltd | 8,415.00 | |
| 01/03/2023 | Travel | Allan Savage Contracting | 420.00 | |
| 01/03/2023 | Daily servicing Stead St Pump Station C27073 | Allan Savage Contracting | 980.00 | |
| 01/03/2023 | Machine Clean Lake Hawkins C26049 | Gunther Excavating Ltd | 1,875.00 | |
| 01/03/2023 | Supply Ex Quarry Rip Rap Rock C26047 | J Crooks & Sons Ltd | 2,420.00 | |
| 14/03/2023 | DD210323 Pump Stn electricity to 28/02/23 | Contact Energy Ltd | 850.10 | |
| Total | | | | 53,711 |
| Waituna Land Drainage to Per 9 | | | | |
| 31/01/2023 | Share of Howorth St Rental 1/10/22 - 30/09/23 | MHRB Investments Ltd | 534.29 | |
| 08/03/2023 | Supply Bucket Gloves C27064 | Farmlands Co-operative Society Ltd | 109.75 | |
| 08/03/2023 | Supply Telescopic Landing Nets C27065 | H & J Smith Ltd | 173.90 | |
| Total | | | | 818 |
| Waihopai Land Drainage to Per 9 | | | | |
| 31/03/2023 | Supply Rip-Rap ex The Quarry C25639 | J Crooks & Sons Ltd | 3,300.00 | |
| 31/03/2023 | Waihopai Rock Cartage Kennington Site C25628 | Thwaites Contracting Ltd | 5,200.50 | |
| Total | | | | 8,501 |
| Waimatuku Land Drainage to Per 9 | | | | |
| 01/01/2023 | Sheep Gate Treated Strainers etc C26028 | Great Southern Invercargill | 612.62 | |
| 01/02/2023 | Otaimai Drains C26043 | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 350.00 | |
| 28/02/2023 | Beach opening and cleaning drain C27056 | Thwaites Contracting Ltd | 11,055.00 | |
| 02/03/2023 | Supply fencing materials C27054 | Great Southern Invercargill | 188.48 | |
| 07/03/2023 | Tauamau stream repairs C27062 | Weatheright Roofing Ltd t/a Phil Bevin Spraying | 365.00 | |
| 21/03/2023 | Machine Clean Otaimai Bush Drain C27074 | Gunther Excavating Ltd | 9,375.00 | |
| Total | | | | 21,946 |
| Upper Waikiwi Land Drainage to Per 9 | | | | |
| 01/03/2023 | Transport Digger to 494 Flora Road C26688 | Ryal Bush Transport Ltd | 831.30 | |
| 01/03/2023 | Cart rock Greenhills Quarry to 494 Flora Orion Rd C26688 | Ryal Bush Transport Ltd | 3,371.85 | |
| 01/03/2023 | Tree Trimming Orion Rd C26688 | Ryal Bush Transport Ltd | 8,603.75 | |
| Total | | | | 12,807 |

Progress on Works

1 January to 31 March 2023

Aparima Catchment

- Rock work carried out on one property totalling 230 tonnes.
- Spraying regrowth on banks after clearing on six properties.
- Berm spraying covering all of Aparima River.
- Bank repair on one property.
- Bank hole repair on one property.
- Culvert repair and drain clean on one property.
- Stopbank clearing and vegetation removal covering 2 km at Avondale.
- Bank inspections at Otautau.

Waiau Catchment

- Aerial spray 334 ha of river fairway - Waiau and Wairaki Rivers

Mataura Catchment

- Rock Work
 - Gorge Road - 999 tonne
 - Freshford - 866 tonne
 - Pyramid - 482 tonne
 - Argyle Hill - 1,591 tonne
- Channel Maintenance – removal of collapsed and leaning willows and debris:
 - Pyramid - Mataura River
 - Mandeville - Waimea Stream
 - Athol - Mataura River
- Stopbank inspections and night shooting:
 - Gore
 - Wyndham
 - Mataura
- Land Drainage - machine clean and aquatic spray
 - Oteramika Stream
 - Old Waimumu Stream
 - Rippon Drain
 - Cronins Creek
 - Pyramid Block Drains
 - Arthurton Drain
- Climate resilience
 - Rock armoring of the true left bank above the Mataura Paper Mills.
 - 24,643 tonne of rock and rubble placed.

Oreti Catchment

- Placed 2,860 tonnes of rock at six locations.
- Removed seven railway irons from bed of Lower Oreti.
- Removed 200 m of willows from the Old Otakau Stream in flood fairway of Oreti River.
- Repaired 350 m of flood bank and re-grassed in the Thompsons Crossing area of Oreti River.
- Installed a 1.2 m diameter and a 0.4 m diameter culvert at two locations to replace culverts at end of life.
- Repaired three flood gates at various locations.
- Replaced two flood gates at various locations.
- Aerial spray 452 ha of river fairway of Oreti River.

Te Anau Catchment

- Aerial spray 76 ha of Whitestone River.
- Ground spray approx. 3 km of right bank of Whitestone River and 300 m of Home Creek.
- Cart and place 950 tonne rock to Whitestone River downstream of SH94 bridge.
- Cleared approx. 1 ha of beaches for skimming trial on Whitestone River.

Makarewa Catchment

- Felled and chipped 1,280 m of willows at three sites on Makarewa River.
- Repaired two flood gates on Otapiri Stream.

Invercargill

- Tree removal
 - Approximately 100 large blue gums were removed along the Waihopai true right stopbank from North Road to Preston Street, as part of the work programme to remove large trees and gardens along the stopbank infrastructure in Invercargill.
- Fencing and access to stopbanks
 - As part of the tree removal from the Waihopai stopbanks, a new access ramp and fencing was installed at a property in North Road. An agreement is being drafted for the future access.
- Three monthly stopbank inspections
 - Waihopai
 - Otepunu
 - Kingswell
 - Ferry Road
- Access gates and gencing
 - Several access gates and fence structures were replaced on the true left stopbank between Queens Drive and Bainfield Road due to vehicle damage caused when the Police were pursuing a stolen vehicle.

- Spraying of gorse and broom
Follow-up spraying of the Waihopai, Otepunu, Kingswell, Clifden stopbanks has been carried out as part of the ongoing maintenance plan.
- Dam racks - clearing of debris
 - Waihopai
 - Kingswell
 - Otepunu
- Dam maintenance
 - Dam structures were cleared of vegetation/weeds.
- Mowing
 - Mowing of the Waihopai, Otepunu, Kingswell and Clifden stopbanks, flood fairways and walkways has been carried out as required.
- Walkway garden maintenance
 - Spraying of Waihopai, Otepunu, Kingswell and Clifden walkways has been carried out as required.
 - Gardens have been maintained through weed eating and spraying in line with the ongoing maintenance programme.
- Culverts and flap gates
 - Maintenance of flap gates along with weed eating and spraying around flap gates has been carried out as part of the ongoing maintenance plan.
- Invercargill City Council Meetings
 - Following a meeting with the Invercargill City Council regarding tree removal responsibilities for large trees along the Otepunu stopbanks, a tree plan is being developed prioritising which trees need to be removed first. Once completed, a further meeting will be held to finalise the Memorandum of Understanding between the Invercargill City Council and Environment Southland regarding the five year tree removal plan along the Otepunu stopbanks between Rockdale Road and Lindisfarne Street.



Item 6 Mataura Catchment Update

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|---|--|
| Objective ID: | Strategic Direction: Council Policy |
| Report by: Fiona Young, Catchment Integration Manager | Approved by: Paul Hulse, General Manager, Integrated Catchment Management |
| Executive Approval: Paul Hulse, General Manager, Integrated Catchment Management | |

Purpose

The purpose of this item is for staff to provide a presentation to update Councillors on emerging issues, projects and meetings attended relating to the Mataura catchment (including Waituna).

Craig Smith, Team Leader, Catchment Integration will lead the presentation.

Recommendation

It is recommended that Council resolve to note the update.



Item 7 Integrated Catchment Management Group Work Plan

| | |
|---|--|
| MORF ID: - | Strategic Direction: |
| Report by: Integrated Catchment Management Team | Approved by: Paul Hulse, General Manager, Integrated Catchment Management |
| Executive Approval: Paul Hulse, General Manager, Integrated Catchment Management | |

Purpose

For Council to note the Integrated Catchment Management Group work plan (attached), which will be updated for each Regional Services Committee meeting.

Background

The work plan provides Councillors with a summary of the work priorities, resource implications and project progression for the Integrated Catchment Management Group.

Recommendation

It is recommended that Council resolve to note the Integrated Catchment Management Group Work Plan.

Attachments

1. Integrated Catchment Management Group Work Plan

Group Work Programme Update (as at 1 May 2023)

Overview

The Integrated Catchment Management Group is responsible for:

- undertaking operational functions on behalf of the Council in line with the applicable Act, existing plans, strategies and by-laws;
- Providing advice and support to landowners, consent holders, stakeholders and partners in line with the applicable act, existing plans, strategies and bylaws;
- identifying and managing strategic relationships and partnerships with a range of organisations, groups and individuals;
- aligning the Council's non-regulatory functions with regulatory activities across catchments;
- supporting the formal review and amendment of existing plans, strategies and by-laws;
- Applying a whole of catchment approach with regards to our work programmes.

Matters of interest

A table of current work streams [appended](#) for Councillors' information.

Group Work Programme Update (as at 1 May 2023)

Summary

| Project / programme | Key objectives |
|---|--|
| 1. Mataura - Integrated Catchment Management Report | To provide an update to the Committee with regards to Environment Southland / and other work within the Mataura Catchment in relation to Integrated Catchment Management. |
| 2. Waiau – Integrated Catchment Management Report | To provide an update to the Committee with regards to Environment Southland / and other work within the Waiau Catchment in relation to Integrated Catchment Management. |
| 3. Oreti and Aparima – Integrated Catchment Management Report | To provide an update to the Committee with regards to Environment Southland / and other work within the Oreti and Aparima Catchments in relation to Integrated Catchment Management. |
| 4. Intensive Winter Grazing – Activity Update | Providing an activity update to the Committee on Intensive Winter Grazing. |
| 5. Gravel Management – Activity Update | Providing an activity update to the Committee on Gravel Management. |
| 6. Certified Farm Plans – Activity Update | Providing an activity update to the Committee on Certified Farm Plans. |
| 7. Operational Partnership Programmes – Update | Operational Partnership Programmes, where Environment Southland is one of a number of contributors to shared or aligned outcomes. |
| | |

Group Work Programme Update (as at 1 May 2023)

2022/23 'Action Ahead' summary

| | Next milestones | Status | Relevant dates |
|---|---|---------|----------------|
| 1. Maitara - Integrated Catchment Management Report | Presentation and report on Environment Southland and other stakeholders attributed with the Maitara Catchment. | Ongoing | May 2023 |
| 2. Waiau – Integrated Catchment Management Report | Presentation and report on Environment Southland and other stakeholders attributed with the Waiau Catchment. | Ongoing | August 2023 |
| 3. Oreti and Aparima – Integrated Catchment Management Report | Presentation and report on Environment Southland and other stakeholders attributed with the Oreti and Aparima Catchments. | Ongoing | October 2023 |
| 4. Intensive Winter Grazing – Activity Update | Presentation and report on key Integrated Catchment Management priorities, providing progress reporting and next steps. | Ongoing | August 2023 |
| 5. Gravel Management – Activity Update | Presentation and report on key Integrated Catchment Management priorities, providing progress reporting and next steps. | Ongoing | October 2023 |
| 6. Certified Farm Plans – Activity Update | Presentation and report on key Integrated Catchment Management priorities, providing progress reporting and next steps. | | 2024 |

Group Work Programme Update (as at 1 May 2023)

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|---|---|------------------------|------------------|
| 7. Operational Partnership Programmes – Update | Presentation and report on operational partnership programmes that Environment Southland are one of a number of contributors to shareholder aligned priorities across our main catchments. <ul style="list-style-type: none">- Progress updates and next steps will be provided | Being Developed | Late 2023 |
|---|---|------------------------|------------------|