

Council Members

Chairman Nicol Horrell
Cr Lloyd McCallum (Deputy)
Cr Ross Cockburn
Cr Neville Cook

Cr Rowly Currie
Cr Robert Guyton
Cr Grant Hubber
Cr Lyndal Ludlow

Cr Jeremy McPhail
Cr Maurice Rodway
Cr Eric Roy
Cr David Stevens



Ordinary Meeting of Council (*Te Huinga Tu*)

(and final meeting of the 10th Triennium of the Southland Regional Council)

10.30 am

9 October 2019

A G E N D A (*Rarangi Take*)

1. Welcome (*Haere mai*)
2. Apologies (*Nga Pa Pouri*)
 - Cr Cockburn (leave of absence)
 - Cr Rodway (leave of absence)
3. Declarations of Interest
4. Public Forum, Petitions and Deputations (*He Huinga tuku korero*)
5. Procedure for the Meeting and Valedictory
6. Confirmation of Minutes (*Whakau korero*)
 - (a) Ordinary Meeting of Council 14 August 2019
7. Adoption of Committee Resolutions
 - (a) Strategy and Policy Committee 4 September 2019
 - (b) Organisational Performance and Audit Committee 4 September 2019
 - (c) Chief Executive's Review Sub-committee 30 September 2019
(*distributed under separate cover*)
8. Notification of Extraordinary and Urgent Business (*He Panui Autaia hei Totoia Pakihi*)
 - 8.1 Supplementary Reports
 - 8.2 Other

NB: Councillors are reminded to advise the Chairman, at least a day prior to the meeting, of your intention to raise any matters.



9.	Questions (<i>Patai</i>)	
10.	Chairman and Councillors' Reports (<i>Nga Purongo-a-Tumuaki me nga Kaunihera</i>)	
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12.	Extraordinary and Urgent Business (<i>Panui Autaia hei Totoia Pakihi</i>)	
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13.	Public Excluded Business (<i>He hui Pakihi e hara mo te iwi</i>)	
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- Confirmation of Minutes
Meeting of Council – 14 August 2019
 - Whakamana te Waituna – Bridging Finance
 - Waiau Catchment and Water Quantity Allocation
 - Maitara Allocation Project
- Adoption of Committee Resolutions
Organisational Performance and Audit Committee – 4 September 2019
 - Bad Debts
 - Managed Funds Portfolio
 - Southland Warm Homes Trust
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 - Overview Governance Level Risk Management
- Chief Executive's Review Sub-committee – 30 September 2019*
 - Year End Review



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R A Phillips
Chief Executive

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



Procedure for the Meeting and Valedictory

The meeting of the Council on 9 October 2019 is the last meeting of this triennium. The purpose of the meeting is to deal with the final business of the Committees and the Council before the elections. The decisions taken on the items in the Officers' reports will be implemented, i.e. they are not recommendations to a future meeting of Council, as is normally the case.

An opportunity will also be provided for retiring Councillors to present Valedictory speeches if they wish.

The Chairman and Chief Executive are to authenticate the minutes of the last meeting of the Council prior to the election.

Finally, on behalf of the Council I would like to thank the senior managers and staff for your guidance and support during the past three years. I wish Councillors who are seeking re-election well at the polls.

In many things
It is not well to say
Know thyself
It is better to say
Know others

Menander

Nicol Horrell
Chairman



Confirmation of Minutes

- **Ordinary Meeting of Council – 14 August 2019**

**Minutes of the Ordinary Meeting of the Southland
Regional Council, held in Regional House, corner
North Road and Price Street, Invercargill, on
Wednesday, 14 August 2019 at 10.30 am**



Present:	Chairman N Horrell (Chair)	
	Cr GR Cockburn	
	Cr ER Currie	
	Cr R Guyton	
	Cr G Hubber	
	Cr L Ludlow	
	Cr L McCallum	
	Cr J McPhail	
	Cr M Rodway	
	Cr E Roy	
	Cr D Stevens	
In Attendance:	Mr R Phillips	(Chief Executive)
	Mr N Selman	(Director of Corporate Services)
	Mr V Smith	(Director Policy Planning & Regulatory Services)
	Mr J Streat	(Director of Operations)
	Mr K Swinney	(Acting Director, Science & Information)
	Mrs T Hawkins	(Finance Manager)
	Mr M Durand	(Consents Manager)
	Mrs B Lawrence	(Programme Manager – People Water and Land)
	Miss L Hayward	(Team Leader Consents)
	Miss L Maciaszek	(Consents Officer)
	Mrs J Brown	(Executive Assistant)
	Ms G Jefferies	(Communications & Engagement Manager)
	Ms K Harper	(PA)

1 Welcome (*Haere mai*)

The Chairman welcomed members to the August meeting of Council.

2 Apologies (*Nga Pa Pouri*)

Resolved:

Moved Cr Hubber, seconded Cr Ludlow, that an apology for absence be accepted on behalf of Cr NME Cook (leave of absence previously granted).

Carried

3 Declarations of Interest

Cr McCallum declared a conflict of interest in regard to Items 7 and 9 in the Public Excluded section of the meeting. He advised, if required, he would respond to questions of clarification, but otherwise take no part in the discussion.

4 Public Forum, Petitions and Deputations (*He Huinga tuku korero*)

There were no Public Forum, Petitions or Deputations.

5 Confirmation of Minutes (*Whakau korero*)

(a) Ordinary Meeting of Council – 3 July 2019

Resolved:

Moved Cr McCallum, seconded Cr Cockburn, that the minutes of the Ordinary Meeting of Council held on 3 July 2019 be taken as read and confirmed as a true and correct record.

Carried

6 Adoption of Committee Resolutions

(a) Organisational Performance and Audit Committee – 24 July 2019

Cr Rodway highlighted the key points from the meeting, noting the recent visit from the auditor.

Resolved:

Moved Cr Rodway, seconded Cr McCallum, that the resolutions from the Organisational Performance and Audit Committee meeting held on 24 July 2019 be adopted.

Carried

(b) Regulatory Committee – 24 July 2019

No discussion arose.

Resolved:

Moved Cr Cockburn, seconded Cr Ludlow, that the resolutions from the Regulatory Committee meeting held on 24 July 2019 be adopted.

Carried

(c) Strategy and Policy Committee –25 July 2019

Cr Hubber highlighted the key points from the meeting. He noted the Climate Change Amendment Bill and the approval of development of a climate change action plan. A workshop around this was scheduled for the following Friday for council staff. A further workshop was to be scheduled.

Cr Hubber also noted that the Strategy and Policy Committee had resolved to approve the public release of the Assessment of Effectiveness and Efficiency of the Regional Coastal Plan in Southland. Councillors had attended a workshop on this topic, on 19 June 2019.

Resolved:

Moved Cr Hubber, seconded Cr Stevens, that the resolutions from the Strategy and Policy Committee meeting held on 25 July 2019 be adopted.

Carried

(d) Regional Services Committee –25 July 2019

Cr Cockburn noted the Regional Services Committee of 24 July 2019 was his final meeting as Chair. He said he was happy with the progress that had been made over the years he had chaired the committee.

The Code of Practice was in place and it was very rewarding to see this happen. The Upukerora River Project was moving forward. There had been discussion at the meeting around tree planting in berm areas.

Resolved:

Moved Cr Cockburn, seconded Cr Hubber, that the resolutions from the Regional Services Committee meeting held on 25 July 2019 be adopted.

Carried

(e) Otago Southland Regional Transport Committee –26 July 2019

Cr Roy highlighted the key points from the meeting, in particular that a scoping exercise was underway around the Elles Road/Bluff Road roundabout and truck pull in area. The bypass at Edendale was on target to be completed within schedule. The current proposal being considered for the Maitai Bridge Street merge with State Highway 1 and trucks not being able to park on the railway line (the train timetables were known), was that there would be drop arms that closed the railway line off. When the arms were up, parking would be permitted across the railway line. This was the most cost effective option.

Resolved:

Moved Cr Roy, seconded Cr McPhail, that the resolutions from the Otago Southland Regional Transport Committee meeting held on 26 July 2019 be adopted.

Carried

7 Notification of Extraordinary and Urgent Business (*He Panui Autaia hei Totoia Pakihi*)

7.1 Supplementary Reports

There were no supplementary reports provided to the meeting.

7.2 Other

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

8 Questions (*Patai*)

Cr Guyton asked what progress had been made with the climate change action plan that Council had urgently committed to. Mr Smith advised that a cross council staff workshop was scheduled for Friday 16 August 2019. The agenda for that workshop would be repeated for a cross council and councillor workshop, yet to be scheduled. The action plan would be drafted as a Southland wide initiative at this time.

Cr Rodway had circulated a question to councillors and staff. He noted that a discharge from winter grazed land that caused conspicuous discolouration to receiving waters appeared to be illegal under Rule 24 of the Proposed Water and Land Plan. He asked if council was able to obtain a legal opinion as to whether it was in fact illegal and if so, would Environment Southland revise its compliance management policies to investigate that activity.

Cr Rodway also asked if winter grazing upstream of Rocky Point in the Oreti Catchment would not be able to be authorised in any way, as there was always discharges from winter grazing that caused a deterioration in water quality. Again, could Environment Southland obtain a staff or legal opinion on this matter, and if necessary implement actions to ensure the provisions of the order were complied with.

In response to Cr Rodway's first question around Rule 24, Mr Smith advised that staff would seek legal advice and report back. Mr Smith explained that policies were developed on a risk management basis for activities that were actively monitored.

Regarding Cr Rodway's second question around the Oreti Conservation Order, Mr Smith advised that legal advice had already been obtained and would be further clarified in a report to council.

9 Chairman and Councillor's Reports (*Nga Purongo-a-Tumuaki me nga Kaunihera*)

⇒ Chairman's Report

Circulated with the agenda was a report of activities that the Chairman had undertaken on behalf of Council since the last meeting.

Chairman Horrell provided a brief presentation reporting on the Regional Sector Tour he had attended with Crs Stevens, Roy and McCallum, and Mr Phillips in July 2019, as part of the LGNZ Conference.

⇒ Councillors' Reports

In addition to the written Councillor reports that were circulated with the agenda, a number of verbal reports were also received.

Cr Stevens reported on his attendance at the Regional Sector Tour and the Local Government New Zealand Conference in July 2019, noting that both were very worthwhile.

Cr Rodway reported he had attended a Beef and Lamb Workshop on Farm Environment Plans in Winton on 16 July 2019. He highlighted the good work Beef and Lamb do around their recognised version of farm environment plans and that they were working with Environment Southland Land Sustainability staff around farm environment plans.

Cr Rodway commented on the LGNZ Webinars on Adapting to Climate Change he had taken part in. He said a take-away from the Webinar was that community engagement and community education was imperative.

Cr Rodway attended the Waituna Landcare Group Workshop on 18 July 2019. He highlighted points from the workshop, in particular the guest speaker, Graham Shepherd of BioAgriNomics, talking about regenerative farming. Cr Rodway noted it would be beneficial to invite Graham Shepherd and others, to speak to councillors about regenerative farming in Southland at a workshop in the near future. Mr Phillips added that there was a small group of Southland and South Otago farmers who were currently practicing regenerative agriculture and it would also be beneficial to invite these people to the same workshop.

Referencing the LGNZ Webinars Cr Rodway had attended, Cr Guyton commented that it would be sensible for council to consider appointing a climate change officer. He noted that Ngai Tahu already had an adaptive plan going forward in dealing with climate change, and that it would be wise for council to approach Ngai Tahu and look at what another organisation had put in place. Mr Phillips advised that there was a member of the Policy and Planning team currently coordinating work around climate change and climate change hazards however as the climate change action plan was developed discussion could be held around the necessity of a climate change officer.

Cr McCallum had attended the Waituna Landcare Group Workshop on 18 July 2019 noting it was very worthwhile.

Cr McCallum had also attended the South Catlins Charitable Trust AGM on 30 July 2019. He noted some key points from the meeting including the connection between the work of Environment Southland and how it can positively assist groups such as the Trust.

Cr McPhail had attended a meeting in Gore where some constituents were setting up a Gore Catchment Group with the aim of encompassing urban and rural Gore.

10 Staff Report – 19/C/65

⇒ Item 1 – Chief Executive's Report

The Chief Executive's report was distributed with the agenda and provided Council with a governance overview of pan organisational current matters, including updates from all direct reports to the Chief Executive on topical matters.

In speaking to his report, Mr Phillips noted the expected Essential Freshwater Package had been delayed until early September.

In response to a question, Mr Phillips advised that there was to be a briefing around the Oraka Aparima Runaka's position paper, currently scheduled for early September, around the same time as an update on Topic A appeals to the Water and Land Plan.

Regarding a query around monitoring sites and sharing monitoring information with the public, Mr Phillips advised monitoring sites were in place at Aparima and were reported on annually. Aparima monitoring information went straight back to farmers. An annual report on Waituna monitoring was to be released shortly and would include what had been achieved in the Waituna catchment. Further reporting to council on monitoring would be presented at a future council meeting.

Mr Phillips explained that, regarding monitoring and reporting new earthquake activity at Milford, council received updates via staff from the Alpine Fault Working Group. The Alpine Fault Working Group focused on the bigger picture, particularly around planning, preparation resilience and recovery in the event of a rupture at the Alpine Fault. There was brief discussion around Southland potentially being one of the more stable areas in the South Island in the event of a significant earthquake and what that would look like for the rest of the South Island.

Resolved:

Moved Cr Rodway, seconded Cr McCallum, that Council note the report including the exercise of the delegation of the role of Chief Executive to Neil Selman (Director of Corporate Services) for the period from midnight on Saturday, 27 July 2019 through until midnight on Sunday, 4 August 2019.

Carried

⇒ **Item 2 – Financial Report as at 31 May 2019**

This item was for Council to note the financial report to 31 May 2019.

Mrs Hawkins highlighted the key points in her report and advised the overall result for the period 31 May 2019 was a surplus of \$4.2 million. This was a favourable variance of \$3.6 million ahead of the budgeted surplus of \$581,000

Council were provided with the financial report to 30 June 2019.

In response to a question, Mr Selman advised that JBWere would be providing an up-to-date investment report at the next Organisational Performance and Audit Committee meeting, where they would address market volatility and expectations for the forthcoming year.

The meeting noted some savings were attributable to the difficult employment situation where successful recruitment had been delayed, and therefore savings in salaries and associated training costs had occurred. These situations are being factored into current budgeting. Other savings had included the boat ramp at Bluff, which costs had been brought forward.

Resolved:

Moved Cr Rodway, seconded Cr McCallum, that Council note the financial report as at 31 May 2019 and to 30 June 2019.

Carried

⇒ **Item 3 – Appointment of Mid Dome Wilding trees Charitable Trustees**

This item was for Council approval of the appointment of John Whitehead and Tapuwa Marapara as Trustees on the Mid Dome Wilding Trees Charitable Trust.

Resolved:

Moved Cr Roy, seconded Cr Stevens, that Council advise the Mid Dome Wilding Trees Charitable Trust that it approves the appointment of John Whitehead and Tapuwa Marapara as Trustees of the Mid Dome Wilding Trees Charitable Trust.

Carried

⇒ **Item 4 – Update to Staff Delegations Manual**

This item was to seek Council approval to make a further amendment to the Staff Delegations Manual.

Resolved:

Moved Cr McCallum, seconded Cr Hubber, that Council approve the proposed changes to the Staff Delegations Manual as outlined in Schedule 1, effective immediately.

Carried

⇒ **Item 5 – Councillors’ Meeting Schedule – July 2019 to October 2019**

This item was for Council to approve the meeting schedule that had been circulated with the agenda. Further amendments to that schedule were advised as follows:

- Friday 9 August 2019 – Aerial Wintering Monitoring Flight – Chairman Horrell, Cr McCallum
- 12 August 2019 – Southland Heritage Building Preservation Trust meeting– Cr Ludlow
- 13 August 2019 – Landward Buffer Meeting – Cr McCallum
- 13 August 2019 – Introduction to the Southland Murihiku Destination Strategy – Cr Ludlow, Cr Rodway, Chairman Horrell
- 26 August 2019 – Joint Shareholder Meeting – Chairman Horrell
- 29 August 2019 – People Water and Land Appeals Subcommittee meeting
- 2 September 2019 – Briefing for councillors on Topic A Appeals

Leave of absence requests received by the meeting were:

- Cr Hubber – 29 August 2019 to 2 September 2019
- Cr Roy – 16 August 2019 to 6 September 2019
- Cr Cockburn – 26 August 2019 to 10 October 2019
- Cr Rodway – 2 October 2019 to 11 October 2019

Resolved:

Moved Cr McCallum, seconded Cr Currie, that Council:

- 1. appoint members to represent Council at the meetings marked on the schedule;**
- 2. pay meeting fees and/or allowances in accordance with its policy and detailed on the schedule.**
- 3. approve the leave of absence requests for Cr Hubber (29 August -2 September 2019), Cr Roy (16 August – 6 September 2019), Cr Cockburn (26 August – 10 October 2019) and Cr Rodway (2 October – 11 October 2019).**

Carried

At this time the Chairman acknowledged the contribution of Cr Cockburn to the Council over his lengthy period of service. It was recorded that Cr Cockburn was not

seeking re-election to Council and that this would be his last meeting as a Councillor. The meeting wished him well for his retirement.

⇒ Item 6 – Common Seal

This item was to note the documents to which the Common Seal had been applied under approved authorisation.

Resolved:

Moved Cr McCallum, seconded Cr Hubber, that Council note the document to which the Common Seal has been affixed under approved authorisation.

Carried

11 Extraordinary and Urgent Business (*Panui Autaia hei Totoia Pakihi*)

There was no extraordinary or urgent business.

12 Public Excluded Business (*He hui Pakihi e haram o te iwi*)

Resolved:

Moved Cr Roy, seconded Cr Hubber, that the public be excluded from the following part of the proceedings of this meeting.

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

General Subject Matter	Reason for Passing the Resolution	Grounds under S. 48(1)
Confirmation of Minutes Ordinary Meeting of Council – 3 July 2019	The decisions of the Council are subject to the appeal to the Environment Court and Council is therefore permitted to deliberate in private	S48 (i))(d) as qualified by S48 2(a)(i)
Adoption of Committee Resolutions - Organisational Performance and Audit Committee – 24 July 2019	To prevent the disclosure or use of official information for improper gain or advantage.	S.7(2)(i)
Adoption of Committee Resolutions - Strategy and Policy Committee 25 July 2019	To allow Council to carry out commercial activities (including commercial and	S7 (2)(h)
Item 7 – Whakamana te Waituna – Bridging Finance		

Item 8 – Waiau Catchment and Water Quantity Allocation	industrial) without prejudice or disadvantage	
Item 9 – Mataura Allocation Project	To protect the privacy of natural persons.	S.7(2)(a)

It is further moved that staff present be permitted to remain at this meeting after the public has been excluded.

Carried

Termination

There being no further business, the meeting closed at 1.05 pm.



Adoption of Committee Resolutions

- **Strategy and Policy Committee – 4 September 2019**
- **Organisational Performance and Audit Committee – 4 September 2019**
- **Chief Executive's Review Sub-committee**

**Minutes of the Strategy and Policy Committee
(Rautaki me Mahere) Meeting of the Southland
Regional Council, held in Regional House, corner
North Road and Price Street, Invercargill, on
Wednesday, 04 September 2019 at 9.00am**



Present:	Cr G Hubber	(Chair)
	Cr R Guyton	
	Chairman N Horrell	
	Cr L McCallum	
	Cr J McPhail	
	Cr M Rodway	
	Cr D Stevens	
	Cr R Currie	
Staff Present:	Mr V Smith	(Director, Policy, Planning & Regulatory Services)
	Mr R Phillips	(Chief Executive Officer)
	Mrs L Hicks	(Policy & Planning Manager)
	Mr G McCullough	(Team Leader, Policy & Planning)
	Mr G Gilder	(Senior Policy Planner)
	Mr P Haynes	(Catchment Operations Manager)
	Mr L Cleaver	(Maritime Manager - Harbourmaster)
	Mrs B Lawrence	(Programme Manager – People, Water & Land)
	Mrs F Young	(Land & Water Services Manager)
	Mrs A Henderson	(Senior Communications Coordinator)
	Mrs J M Brown	(Executive Assistant)
	Miss T Allen	(Personal Assistant)

1 Welcome (*Haere mai*)

The Chairman welcomed everyone to the Strategy and Policy Committee meeting for September 2019

2 Apologies (*Nga Pa Pouri*)

Resolved:

Moved Cr McPhail, seconded Cr Currie, that an apology for absence be recorded on behalf of Cr E Roy and Cr G R Cockburn.

Carried

3 Declarations of Interest

There were no declarations of interest made to the meeting.

4 Public Forum, Petitions and Deputations (*He Panui Autaia hei Totoia Pakihi*)

There were no public forum, petitions or deputations presented to the meeting.

5 Confirmation of Minutes (*Whakau korero*) – 25 July 2019

Resolved:

Moved Cr McCallum, seconded Cr Stevens that the minutes of the Strategy & Policy Committee meeting, held on 25 July 2019 be taken as read and confirmed as a true and correct record.

Carried

6 Notification of Extraordinary and Urgent Business (*He Panui Autaia hei Totoia Pakihi*)

6.1 Supplementary Reports

There were no supplementary reports tabled for inclusion in the agenda.

6.2 Other

No other items were raised for discussion.

7 Questions (*Patai*)

No questions were asked by the meeting.

8 Chairman and Councillors' Reports (*Nga Purongo-a-Tumuaki me nga Kaunihera*)

Neither the Chairman nor any Councillors presented a report to the meeting.

9 Director of Policy, Planning & Regulatory Services Report – 19/S&P/70**Item 1 – Draft Southland Flood Control and Drainage Management Bylaw**

The purpose of this item was to inform Council of the Draft Southland Flood Control and Drainage Management Bylaw, including a summation of Council's powers to make bylaws under the Local Government Act 2002 and seeks direction to prepare documentation for the special consultative procedures for making a bylaw.

Mr Gilder gave an overview explaining that the bylaw lapsed in 2017, and the Southland Flood Control Management Bylaw 2010 (2010 Bylaw) had ceased to have legal effect. Therefore, a replacement bylaw was required for Council to control the use of the land which might affect flood control infrastructure within the region. This included construction and earthworks near stopbanks that may compromise the integrity. Council needed to manage the activity in the floodway area. Maps were still being prepared and these would be attached to the final Bylaw.

Cr McCallum wanted clarification about how this Bylaw had lapsed, and if there were systems in place to ensure no others were missed. He enquired whether a Bylaw was the best tool to address the issue. Mr Gilder explained that it was an oversight. Mr Smith added that a plan was in place to centralise all Bylaws within the planning division with the work programmes wrapped around them to ensure that it didn't happen again.

In response to a question around whether the definitions used in the document were aligned with all the work done in other areas, Mr Haynes confirmed the language was aligned and cross referenced so terms were uniform. Mrs Hicks commented that the review had given the team an opportunity to ensure the language in the co-authored document was aligned with National Planning Standards, RMA changes, and the Water and Land Plan. Mr Gilder explained why the Bylaw was an efficient way of achieving Council objectives.

Cr McPhail raised the situation of TA's wanting to build water treatment stations on floodbanks and asked whether this Bylaw would give Council control of those situations. Mr Gilder confirmed it would give sufficient control.

Cr Rodway wanted more information about tree planting in floodbank and stream areas. Mr Haynes explained that Council recommend certain tree species for planting in those spaces to ensure access for maintenance work. Mr Smith explained that the Bylaw allowed the Catchment Division to restrict what occurs. Mrs Hicks added the fundamental purpose was to protect the floodbanks and assets so they protected the public in the event of flooding.

With regards to the 'planting guide' document. Mr Haynes explained to Cr Guyton that the guide was not official yet.

Resolved:

Moved Cr McCallum, seconded Chairman Horrell, that Council:

- (1) note a bylaw is the most appropriate way of addressing the perceived issues;**

Moved Chairman Horrell, seconded McCallum, that Council:

- (2) note the content of the Proposed Southland Flood Control and Drainage Management Bylaw;**

Moved Cr Stevens, seconded Chairman Horrell, that Council:

- (3) direct staff to prepare documentation for the special consultative procedure under Sections 83 and 86 of the Local Government Act 2002.**

Carried

Item 2 – Marine Oil Spill Response – Appointment of Regional On-Scene Commanders

The purpose of this item was for Council to appoint Marine Oil spill Response Regional On-Scene Commanders.

Mr Cleaver explained the requirement for Council to appoint qualified Regional On-Scene Commanders to direct any marine oil spill response in the Southland region. Specifically, to appoint recently qualified staff Ian Coard and Simon Mapp as alternate Regional On-Scene Commanders. The new appointments replaced staff that had retired from employment over the past two years. Four On-Scene Commanders were required for the region

Cr McCallum questioned why Council were delegating authority to named persons and not positions, so the position became the delegated authority. Mr Cleaver responded that On Scene Commanders must have successfully completed a Maritime New Zealand Course. Mr Smith added that it was a Maritime New Zealand requirement that a person was named for accountability purposes, and not a job title.

Cr Guyton asked Mr Cleaver what were Council's obligations around the Great South Basin and oil exploration, if there were any spills what would Council's responsibilities be? Mr Cleaver responded that the Regional Council was responsible for responding to all incidents from within 12 nautical miles. Beyond 12 nautical miles Council would consider the impacts of the incident if it came into jurisdiction, however the Maritime New Zealand National Oil Spill response carried the authority and capability to respond. Cr Guyton queried who was responsible for the financial costs involved in oil spill responses and actions. Mr Cleaver responded that the 'spiller' was always responsible for costs.

Resolved:

Moved Cr McCallum, seconded Chairman Horrell, that Council:

Appoint Ian Coard and Simon Mapp as alternate Regional On-Scene Commanders, to perform the functions and duties and exercise the powers of a Regional On-Scene Commander if the office of the Regional On-Scene Commander is vacant, or the Regional On-Scene Commander is absent.

Carried

Item 3 – Achieving Healthier Air Quality in South Invercargill

This item provided the Committee with an update on the work currently underway by Environment Southland and other agencies towards achieving healthier air quality in South Invercargill.

Mrs Hicks explained the report was a piece of work that ESR completed. The ESR report identified air quality as a complex problem requiring long term commitment and engagement by multiple agencies, including the affected communities – in particular South Invercargill. There had also been some changes in the national provision of the scheme for improving domestic heating.

Cr McCallum asked if the work done here would flow out to other parts of the region, such as Winton. Mrs Hicks responded that early indications from MfE about the NESAQ review were that recommendations would flow out. Mr Smith said the update to the NESAQ had been pending for at least five years and there was no timeframe for a decision in the near future. If MfE decide to go with PM_{2.5} there would need to be a significant amount of guidance and assistance provided by central government.

Cr Rodway commented about the inter-agency approach and asked if affected community members who needed to address their home heating and insulation were involved in the process not just agencies as listed in the stakeholder tables of the ESR report, and how the improvement could be measured. Mr McCullagh responded that the ESR reports reflected some of the challenges experienced when reaching out to affected people and their homes.

Cr Rodway talked about a non-traditional approach of going out to the community, to churches, to market days to approach affected members of communities. Mr McCullagh responded and acknowledged the success of the 'South Dunedin' engagement model, however no approach had been decided yet. Mrs Hicks added that a multi-agency approach was looking at current connections to ensure efficiencies.

Cr Horrell queried why Council staff didn't go to the Pomona Street area on a frosty night and identify the problematic houses and work with occupants to find a solution and make some real progress. Mrs Hicks responded saying those were the initiatives expected to come out of the process, however no agency had enough resources on their own to follow through with those approaches.

Cr McPhail highlighted the significant ongoing costs to the health system from air pollution compared with the costs to assist homeowners to improve their home heating systems and insulation.

Resolved:

Moved Cr Rodway and seconded Cr McPhail, that Council:

- (1) note the report prepared by ESR for Environment Southland “Achieving Healthy Air Quality in South Invercargill”;**
- (2) note the intent to collaborate with Southern District Health Board, Great South and WellSouth to achieve healthier air quality in South Invercargill.**

Carried

Item 4 – People Water and Land Programme Update

The purpose of this item was for Council to note the update on the People Water and Land programme, in particular the fourth workshop of the Regional Forum, and the development of community freshwater values and objectives.

Mrs Lawrence provided an update about the ongoing work in all three workstreams:

- Action on the Ground,
- Values and Objectives, and
- Regional Forum workshops.

Staff were currently working through the final stage of completing a series of reports that distilled the data collected during the community engagement process and integrated it with the information contained within the relevant statutory instruments, regional planning documents and scientific reports. A Councillors’ and TAMI workshop was planned for 18 September 2019 to present and share the reports and, values and objectives work. The team were still working on Iwi values and they would be presented at a later date.

Phase 1 of the Regional Forum concluded in July 2019 with a workshop held in Invercargill. The focus of the four workshops in Phase 1 was on developing the team and sharing knowledge. Phase 2 of the Regional Forum commenced in September 2019 with a workshop in Tuatapere. Phase 2 is focused on communities’ values and draft objectives for freshwater. The November venue will be in Winton and the February venue will be Murihiku marae and Riverton will be covered at a later date.

Cr Guyton said he was interested in the Maori value work. He was concerned about the PWL group reporting back to Councillors who have a lack of knowledge around Maori concepts, words etc. Cr Guyton felt there should be some education and support put in place to upskill Councillors on the language and protocols, otherwise it would be ‘ticking’ words off exercise and training needed to be done prior to the workshop. Cr Guyton said there was a need to understand concepts in order to make sensible decisions.

Mr Phillips confirmed that Council staff would organise a workshop for Councillors to assist their understanding of Maori values, concepts, words, protocols. Mrs Lawrence agreed to organise the workshop.

Cr Rodway mentioned recent Environment Court proceedings where Council were seen to 'fall short' of Iwi and Maori community expectations around the proposed Southland Water and Land Plan. Cr Rodway would like the Regional Forum to address some of those issues and agreed with Cr Guyton about the need for a workshop to increase knowledge and understanding of concepts. Cr Rodway wanted to understand to what extent the Regional Forum members were aware of the changes that are likely to occur to the Water Plan as a result of the Environment Court appeal and what the implications of the National Policy Statement might be.

Mr Smith let Cr Rodway know that the Regional Forum were aware of the current situation but until the Environment Court and central government released their decisions and documents no more could be done.

Cr Stevens asked Mr Smith where the Regional Forum was at for limit setting in Southland, he felt limit setting was a big part of the Regional Forum along with community engagement. Mr Smith responded that central government had signalled that they would like a faster response to addressing water quality issues, however until the Essential Freshwater Package is gazetted in April 2020 Council would not know what is expected. Mr Smith felt Council were well placed to keep building on the current work.

Cr Nicol responded to Cr Guyton's earlier comment about Maori language and reminded the Committee that they were still waiting on the development of a Ngai Tahu Te Reo Maori app.

Resolved:

Moved Cr McCallum, seconded Cr Stevens, that Council:

- (1) note the update on action on the ground;**
- (2) note the completion of Phase 1 of the Regional Forum and the commencement of Phase 2; the community's values and draft objectives for freshwater with the upcoming workshop in Tuatapere on 19 and 20 September 2019.**

Carried

Item 5 – Policy & Planning Division Work Programme including External Agency Reports

The purpose of this item was for Council to note the Policy and Planning Division work programme, which was updated for each Strategy and Policy Committee meeting. The item also included a summary of recent reports and discussion papers received from external agencies that may be of interest to Councillors.

Mrs Hicks provided an update on the progress of several projects and work programmes. Post-election there are plans to host several workshops to update the Councillors on the work programme in detail.

Resolved:

Moved Chairman Horrell, seconded Cr Stevens, that Council:

note the Policy and Planning Division Work Programme including External Agency Reports.

Carried

10 Extraordinary and Urgent Business (*He Panui Autaia hei Totoia Pakihi*)

There were no items of extraordinary or urgent business considered by the meeting at this time.

11 Public Excluded Business (*He hui Pakihi e hara mo te iwi*)

There was no public excluded business.

Termination

There being no further business, the meeting closed at 10.20am.

Carried

Minutes of the Organisational Performance and Audit Committee (*Arataki Mahi me Tātaki Kauta*) Meeting of the Southland Regional Council, held in Regional House, corner North Road and Price Street, Invercargill, on Thursday, 4 September 2019 at 1.30 pm.



Present:	Cr M Rodway (Chair)	
	Cr NMG Cook	[until 3.20 pm]
	Chairman N Horrell	
	Cr G Hubber	
	Cr L McCallum	
	Cr J McPhail	
	Mr B Robertson	
Also Present:	Cr D Stevens	[until 3.20 pm]
In Attendance:	Mr R A Phillips	(Chief Executive)
	Mr N Selman	(Director, Corporate Services)
	Mr K Swinney	(Acting Director, Science & Information)
	Mrs T Hawkins	(Finance Manager)
	Ms T McCann	(Communications Co-ordinator)
	Ms L Frampton	(Communications Co-ordinator)
	Mrs J M Brown	(Executive Assistant)
	Mrs M Weston	(PA)

1 Welcome (*Haere mai*)

The Chairman welcomed members to the Organisational Performance and Audit Committee meeting for September 2019.

2 Apologies (*Nga Pa Pouri*)

As all members were present, no apologies were recorded.

3 Declarations of Interest

There were no declarations of interests raised at the meeting.

4 Public Forum, Petitions and Deputations (*He Huinga tuku korero*)

There was no public forum, petitions or deputations presented at the meeting.

5 Confirmation of Minutes (*Whakau korero*) – 24 July 2019

Resolved:

Moved Cr McCallum, seconded Chairman Horrell, that the minutes of the Organisational Performance and Audit Committee meeting held on 24 July 2019 be confirmed as a true and correct record.

Carried

6 Notification of Extraordinary and Urgent Business (*He Panui Autaia hei Totoia Pakihi*)

6.1 Supplementary Reports

There were no supplementary reports tabled for inclusion in the agenda.

6.2 Other

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

7 Questions (*Patai*)

There were no questions asked by the meeting.

8 Chairman and Councillors' Reports (*Nga Purongo-a-Tumuaki me nga Kaunihera*)

Neither the Chairman nor any Councillors presented reports to the meeting.

9 Director of Corporate Services Report – 19/OPAC/71

➡ Item 1 – Draft Financial Report to 30 June 2019

Mrs Hawkins spoke to the financial report included in the Agenda. This report covered the 12 month period from 1 July to 30 June 2019.

The operating result for the year ended 30 June 2019 was \$691,000 better than budget. Income was below budget by \$470,000, plus there was a \$1.16 million worth of operational costs for projects not completed. The \$1.16 million was further explained to the Committee.

Income from Investments was \$986,000; more than budget due to a stronger end to the year, however there remains significant market volatility.

Council had budgeted for a \$487,000 loss for the financial year and the May forecast was for an estimated final surplus of \$844,000.

Cr McCallum questioned whether it was possible to have more timely information of the financial year. Mr Selman reminded the meeting that Council staff were currently

focused on completing the Annual Report – the draft of which would be considered by OPAC at its 30 September 2019 workshop, and then formally reported through to Council on 9 October 2019.

In response to questions posed, Mr Robertson noted that some Councils provide quarterly reporting, but in doing so they provide large reports where there is a full analysis of the performance of the organisation and preliminary forecasting. Council's six weekly meeting cycle did not provide for ease of reporting. Mr Selman suggested that with the new triennium there would be an opportunity for Council to workshop this issue and pose questions around quarterly reporting and information provision. This was supported by the meeting.

The meeting also briefly discussed:

- the handling of debtors, and the move to a debt management company to manage that aspect (and finalising that process in-house);
- the Council's terms around fees and charges that have been put in place
- the recent issuing of invoices to all consent holders with supporting information.
- reviewing how consent processes can be charged for/customers billed during the process to avoid one large account at the end.
- the audit timetable

Resolved:

Moved Cr McCallum, seconded Chairman Horrell, that Council resolve to note the financial report to 30 June 2019.

Carried

⇒ Item 2 – Investment Report to 31 July 2019

This item reported on the investment situation of Council to 31 July 2019. At that date the total of Council's management fund investments amounted to \$34,479,540 an increase of \$533,528 from 30 June 2019. Total investment surplus for the period to 31 July 2019 of \$533,528 was favourable to budget by \$421,028.

Resolved:

Moved Cr Cook, seconded Cr McPhail, that Council note the investment report.

Carried

⇒ Item 3 – Annual Vehicle Report for 2019/20

Under the vehicle policy it is a requirement to report annually to the Committee on the vehicles. An annual vehicle report was included and proposed the replacement programme for the forthcoming year. In speaking to the report Mr Swinney noted that CO2 emissions and fuel usage were taken into account when considering replacement vehicles.

Mr Selman spoke to the item and the reasoning behind moving to a lease arrangement with the hybrid vehicles. The Toyota Hybrid was selected due to the latest technology, safety ratings and fuel usage. The cost of vehicles was also balanced against the need to lead by example with the vehicle fleet – hence the move to leasing at this time. With the move to hybrid vehicles it was felt the significantly less running costs would prove advantageous.

Council was asked to approve the vehicle replacement programme of up to 11 vehicles for the 2019/20 financial year. In response to comment from the meeting it was noted that although a request was to purchase up to 11 vehicles – decisions were yet to be taken as to whether all 11 would ultimately be purchased. The meeting was also reminded that over recent years the number of vehicles within the fleet had reduced, whilst at the same time staff numbers had increased.

Mr Selman also noted the Fleet and Vehicle Management system that was being introduced, which would provide significant intelligence on the fleet for future reporting, and would assist with improved utilisation of vehicles within the fleet. Ultimately this may also lead to a greater diversity of vehicle provision within the organisation. The procurement process that was being undertaken was outlined to the meeting.

Resolved:

Moved Cr Hubber, seconded Cr McCallum, that Council receive the annual vehicle report and:

- (1) approve the Chief Executive undertaking a vehicle replacement programme of up to 11 vehicles in the 2019/20 financial year; and**
- (2) note the other vehicle fleet management changes being proposed.**

Carried

⇒ Item 4 – Productivity Commission’s Draft Report on Local Government funding and financing

This item provided Council with a recommendation, to note that a submission has been lodged on identified aspects of the Productivity Commission’s draft report on Local Government Funding and Financing, as appended to the agenda.

Resolved:

Moved by Cr Cook, seconded by Cr McCallum, noting that a further submission has been lodged on identified aspects of the Productivity Commission’s draft report on *Local Government Funding and Financing*.

Carried

⇒ Item 5 – Information Management Steering Group Update

The information Management Programme is a cross-divisional programme that seeks to improve the capability of Information Management (IM) and information use through systems, communication and innovation (in conjunction with other divisional initiatives and projects). An external programme manager, (Mr Phil Baskerville) from the

Consultancy group Effectus, was engaged to initiate the programme management of the IM Strategy implementation.

Mr Baskerville spoke to this item noting that the initial IM Governance Group had met and further stated that the role is about cementing the strategic approach to information management and aligning all the resources so that staff are concentrating on the right projects and how they are progressing.

Mr Baskerville confirmed that the aspirational goal to get the organisation to a score of 3.01 from 2.06 out of a total of 5 was not likely to be achieved within the set timeframe and would need to be reviewed; but a great deal had still been achieved. Policy was in place, Data Stewards were in place and had a clear understanding of the importance of their work, and the messaging going out to staff about Information Management was what will drive good decision making in the future.

The meeting discussed this report at length, covering:

- whether or not there was a need to “go faster” with this work
- discussions occurring at the Data Stewardship meetings, ensuring consistency of approach
- progress made at the Governance Group meeting to ensure resources are directed appropriately
- ensuring the hand-over between roles when resignations occur was a key aspect to address and identifying risk areas
- ensuring understanding of consistency and correctness of data and processes
- LEAN approach being taken within the consents department
- the difficulty a change in sponsor of the programme has caused, and the new arrangements put in place re governance
- the optimistic approach that was taken to the targets that were set.

Resolved:

Moved Cr McCallum, seconded, Cr Cook, Council note progress on the Information Management Programme

Carried

⇒ Item 6 – Long-term Plan Progress Report

This item reported on the end of year Long-term plan activity report for the 2018/19 year and Mr Swinney spoke to this item, noting that some of the information presented here would transfer directly into the Annual Report, possibly with further explanation. He noted that of the 18 total targets for the year, 15 were achieved.

The meeting discussed the report in detail, and Councillors outlined areas where they felt greater detail/clarity around the messaging or amendments were required.

Resolved:

Moved Cr Horrell, seconded by Cr Cook, that Council note the end-of-year Long-term Plan activity report for the 2018/19 year.

Carried

⇒ **Item 7 – Annual Activity Plan**

Mr Selman spoke to this item and highlighted for the next meeting a representative from RSHL will be presenting to the Committee on IRIS and where it is headed. Mr Selman highlighted the changes that had been made to this plan since the last meeting.

Cr McCallum noted the Mayoral Forum was pushing hard to have the Triennial Agreement in place as soon as possible, and staff advised that the Chief Executives had seen a “first draft”, and it was being adjusted as a result of that feedback. It was noted the main changes will be in providing a legal mandate for the Mayoral Forum and setting up processes and procedures around its operation.

Resolved:

Moved Chairman Horrell, seconded by Cr McPhail, that Council note the Annual Activity Plan.

Carried

10. Extraordinary and Urgent Business (Panui Autaia hei Totoia Pakihi)

There was no extraordinary or urgent business presented to the meeting.

11. Public Excluded Business (He hui Pakihi e hara mo te iwi)

Resolved:

Moved Cr Cook, seconded Cr McCallum, that the public be excluded from the following part of the proceedings of this meeting.

The general subject of the matter to be considered while the public is excluded, the reason for passing this resolution in relation to the matter, and the specific grounds under Section 48(1) of the Local Government Official Information and Meetings Act 1987 for the Passing of the resolution are as follows:

<i>General Subject Matter</i>	<i>Reason for Passing the Resolution</i>	<i>Grounds under S. 48(1)</i>
⇒ Confirmation of Minutes – 25 July 2019	To prevent the disclosure or use of information for improper gain or advantage.	S.7(2)(j)
⇒ Item 8 – Bad Debts	To protect the privacy of natural persons.	S.7(2)(a)
⇒ Item 9 – Managed Funds Portfolio	To allow Council to carry out commercial activities	S.7(2)(i)

	(including commercial and industrial) without prejudice or disadvantage.	
⇒ Item 10 – Southland Warm Homes Trust	To prevent the disclosure of information for improper gain or advantage.	S.7(2)(J)
⇒ Item 11 – Divisional update		
⇒ Item 12 Overview Governance Level Risk Risk Management		

It is further moved that staff present together with Tom Phillips, Bruce K Robertson and Phil Borkin from JBWere for Item 9, and Allan Beck (STWH) and Jason Harrison (Awarua Synergy) for Item 10 be permitted to remain at this meeting after the public has been excluded.

Carried

Resumed in Open Meeting

Termination

There being no further business, the meeting closed at 5.41 pm.



Chairman and Councillors' Reports



Chairman's Report

*Activities undertaken by the Chairman
since the last meeting*

August

- 14 Ordinary meeting of Council
TAMI and ES workshop re Coastal Plan.
- 15 River Liaison Committee Chairs meeting
- 19 Dairy Leaders Group meeting at Federated Farmers
- 20 Te Wai Parera Trust meeting @ Bluff
Loan Agreement meeting @ Bluff
- 22 Meeting with staff re Waiau
TAMI and ES Chairman and CE quarterly meeting
- 26 Joint Shareholders Committee – SRDA
- 27 Joint Industry Wintering Hui #1
COIN Launch event
- 29 Whakamana te Waituna meeting
pSWLP Appeals Subcommittee
South Port Subcommittee
- 30 Regional Sector Group

September

- 2 Council briefing pSWLP
Property Working Party
- 3 Drop-in session with Minister of Agriculture – Invercargill
Council workshop – industry update/briefing
- 4 Strategy & Policy
Meeting with A Groves re seaweed proposal
Organisational Performance & Audit Committee
- 11 Council Workshop re NPS Freshwater, Urban Development and Highly Productive Land
- 12 MfE Workshop session re NPS Freshwater, Urban Development and Highly Productive Land
- 13 Joint Industry Wintering Hui #2
- 16 Meeting with Mark Patterson MP re EFW
- 18 TAMI and Council Workshop – Regional Forum
Welcoming Community Programme Launch at Murihiku Marae
- 19 Regional Forum Public meeting
- 20 Council briefing re science reports
- 24 LGNZ Freshwater Forum
- 30 Council meeting
Organisational Performance & Audit Committee
Chief Executive's Review Subcommittee
Property Working Party

**Regional Forum Public Meeting
Tuatapere – 19 September 2019**

The meeting held in Tuatapere on 19 September 2019 was very well attended, with at least 100 people being there. The main topic of concern was the lack of water in the Waiau River. This is in contrast to the other catchments and the Government's proposal to exempt the major hydro-power schemes from the new "Essential Freshwater" proposals drew quite a lot of criticism.

Other issues such as poor water quality due to intensive farming or poor urban waste treatment/stormwater run-off, did not feature large in the lists of concerns, although *E.coli* contamination of the Oraeua, a Waiau tributary, did get a mention.

Councillors' Reports

*Activities undertaken by Councillors
since the last meeting*

Cr Rodway

Our Land & Water Symposium 12-13 August 2019, Wellington

What follows is a summary of the speakers' topics on day one, when I attended.

The first speaker was the Hon. David Parker - Minister for the Environment, Trade and Export Growth.

Main points were familiar themes throughout the conference – adding value to products and making sure that the environment is at the centre of our production systems. He emphasised the need to work with tangata whenua not just as an add-on but as an integral part of decision making. But he did say in his opinion we need to separate out the spiritual view, which was important and must be part of the consultation process where appropriate, from the physical when decisions are made. So scientific processes in decision making was still essential.

He said quantifying losses from production systems was important and Overseer was to be an essential part of this but it needed more refinement and the Government was investing nearly \$60M into it. More transparency was needed to ensure the algorithms it was based on were valid and accurate but IP was important too.

He emphasised “well-being” as an important goal rather than trying to balance social, economic or environmental goals.

Multi-Functional Landscapes - Bruce Thorrold, a dairy farmer and past DNZ soil scientist advocated for multi-functional landscapes to enrich lives. We have already overshot the carrying capacity of the earth regarding global warming so we need new concepts about production systems. Lake Taupo catchment was a good example where 20% of N had been taken out of catchment since goals were set. More could be done with special management. Farm scale decisions and efficiency aren't enough. Farmers respond to economic incentives and signals so there has been more dairy, and now forestry and wine production. Technical efficiency helps but is not enough to keep ahead of disruption e.g. wool where synthetics took over due to low cost and good enough value. The fine wool that has survived is an example of a “high end refuge”.

The high end for dairy and meat is natural, tasty and healthy with enhanced biodiversity. There was a role for regenerative farming in this. Multifunctional landscapes were needed to protect economic and environmental sustainability. Engaging with people is needed for a wide social contract e.g. forestry does good stuff but gets bad press. Need to build a social contract and expand system boundaries. In future everything needs to be connected. Most people understand the “why” but need the “what” to get things fixed. Lower cost options are probably best. Also need more regulations, but also need bottom-up pressures from peers e.g. winter grazing.

Sources and flows - Diana Selbie, Agresearch - developing models to manage the land and water quality. There is a problem with land managers not having the right information so they don't know if what they have done is effective. There is a need to know that what is being done will make a difference. The research priorities are to develop a framework for assessing the fate and transport of contaminants at catchment scale.

This was applied in the Aparima and Oreti. Modelling shows reductions can be achieved - Nitrogen down 34%, Phosphorus 36% and sediment by 66% over time. (New research paper McDowell 2019 in prep.) New tools are not needed but more data is. Better understanding of N attenuation identification of redox zones - Ross Monaghan was working on this.

Hirini Tane – University of Otago – problem is disconnection of people from landscape and underuse of some landscapes. Need to move towards a mosaic of land use in NZ.

Scott Larned - NIWA – showed an application that identified areas where there is headroom and where there is shortfall of Nitrogen - in Southland most catchments have no headroom i.e. are over allocated. (Except Waiau) Waihopai is the most over allocated. The Land Use Suitability model has been applied to the Oreti Catchment. Details at <https://ourlandandwater.nz/future-landscapes/land-use-suitability/>

David Horne – Massey University – models such as Overseer have looked at soil processes but not at processes that occur in deeper areas on their way to rivers. There is potential for attenuation. Showed in Rangitikei River catchment not much N was getting to the river – note this has a lot of mudstone – like our marine terraces physiographic. Looking to map this to help drive changes (*Our physiographics do this*).

David Downs - Agritech- talked about Agritech and this covered a wide range of topics. Agritech could be a big export earner in its own right. There are many opportunities in this area.

Clint Rissmann and Lisa Pearson – Land and Water Science – talked about physiographics for NZ and how what has been done in Southland can be of use nationwide.

Roger Young – Cawthron – talked about how improvements to water quality in a catchment can be linked back to particular actions on the land.

Seth Laurensen and Te Taru White - Agresearch and Te Arawa - talked about how land use visualisation could be used to develop a variety of land uses leading to more diversity and resilience.

Mandy Bell – Griffel Station, Wanaka - described the Upper Clutha Lake Trust set-up to protecting the lakes and rivers. A collaborative group working together expecting the visionary collaboration to be faster than usual processes. Will avoid confrontation, develop awareness and provide creative solutions. Need to know where to get to and not “soft foot” the demands – to avoid changing goalposts - science is critical but needs to be connected to the community – two way feedback to help each other. (*Very much like our regional forum.*)

Adrian Cookson - Arapera Paewai – Agresearch – faecal source tracking – *E coli* very variable – current tests not ideal – need to differentiate *E coli* from animals and those from the environment – rainfall events increase *E. coli* in forested areas but these are not connected to faecal inputs. Developing new tests. Working with iwi groups. Citizen science useful too. (*We have had a workshop on this recently*)

Melissa Robson Williams - Manaaki Whenua – collaboration seen as a way to manage land and water problems. But there can be a low level of community confidence in these groups - not seen as democratic enough. Use practical wisdom, using research to get better collaboration.

Graeme Nicholas – ESR - increasing societal capacity for collaboration how can this be measured – effectiveness and efficiency. It's not a method or recipe what matters for success – need to listen to practitioners - apply social practice theory. Need materiality, meaning, competence and history. Does collaboration just result in an average outcome – should avoid compromise but be more creative to find win-win – needs good facilitation. Collaboration methods are developing - research needed to identify best methods.

Lian Jager – Primary Sector Council – we have to transition the food and fibre industry in the next 30 years.

Landowners need to be able to see a future – a common view so they can innovate. Having a vision for the sector is difficult as they all work separately. Prosperity and sustainability go hand-in-hand. Sector to grow 2% per year – growth is important as the beneficial changes need an economic growth. Some areas are much more profitable – kiwifruit, wine and pipfruit more profitable than dairy, forestry and sheep and beef but need to think about opportunities for growth. Global warming issues – very gloomy outlook – pressure on environmental sustainability will increase and put more pressure on growth and food and fibre industries. Farming systems need to be resilient – we need to be excellent at water – must have abundant clean water – probably needs to be priced - water storage is important in NZ. Optimal land use also important. Farming view of our contribution to global warming – what's fair for farmers to do? Nurturing green shoots is important, environmentally sustainable farming is essential – we should aspire to be outstanding. Relationship between people and the land is important - land ethic - the first right is the right of the environment not to be overused. Products must be provided ethically. Faith in technology but needs financial drivers to make the change.

Panel Discussion future farms – what is possible and how can we get there?

Brent Clothier – Plant and Food Research - horticulture is not much of an emitter of GHG - potentially 2 m ha in NZ so plenty of opportunities and some risks. “Putting too much good land under asphalt and ride on mowers”.

Hugh Richie – farmer – soils, climate, water important was a cropping business – looking to change from lack of profitability – lot of capital involved to go to horticulture. Each situation different so need to be flexible – have to invest in business – need to work with others – Government policy needs to be right.

Con Williams – My Farm – changing to horticulture from dairy – cherries, manuka, apples, hops. Dairy to hops in Nelson costs about \$30M - craft beer popular. US craft beer and Asian market is strong. New technology needed. Soil resource, water, microclimate - need to research to get it right.

Susan Goodfellow - Leftfield innovation - a farming advisory group but also marketing science sustainability digital innovation - recognise that consumers are most important. Transforming raw materials to food ingredients. Model of best quality of plant and animal products – looking at new products to meet these demands. Need to add value to raw materials. The value and worth of the food needs to be measured in verified ways to be credible in new markets, e.g. Zespri has provided this information to supermarkets.

Paul Morgan – Whakatu Incorporation – China is in difficult situation so is US with trade wars – rest of Asia not so bad for marketing. World problems with obesity and starvation. Opportunity to do better as land and community is in bad state – transformation must be more aggressive. For example with Maori land multiple owners makes development difficult – lack of capital and lack of scale. Different types of farming structures - more like the family farm. Trust model – e.g. Whakatu has been successful. Need to add value to products. Need to convert waste to money not just dispose of it.

Financial and Performance Review (Putea Tatari Whakakitea)

Item 1 Chief Executive's Report

MORF ID: -	Strategic Direction: Governance
Report by: Rob Phillips, Chief Executive	Approved by: -
Executive Approval: -	

Purpose

To provide Council with a governance overview of pan organisational current matters.

Summary

This is the Chief Executive's report for the month of September 2019. It provides an update from all direct reports to the Chief Executive, on topical matters.

Recommendation

It is recommended that Council resolve to note the report and including the exercise of the delegation of the role of Chief Executive to Vin Smith (Director of Policy, Planning and Regulatory Services) for the period from midnight 4 September 2019 through until midnight on Sunday, 22 September 2019.

Report

During September 2019, I exercised a period of annual leave, during which time I delegated the role of Chief Executive to Vin Smith (*see recommendation above*).

Essential Freshwater Work (EFW) Programme: the essential freshwater package is now out for public feedback.

The policy proposals collectively propose a faster approach to improving freshwater quality in New Zealand. The package focusses on rural catchments because the urban components need to align with work on 3Waters. The package:

- introduces a range of controls on agriculture including requirements for stock exclusion and farm environment plans, and interim limits for catchments prior to the full FMU process;
- changes the NPS-FM to both clarify and expand the requirements on councils;
- reduces the timeframe for implementing the NPS-FM; and
- introduces new monitoring requirements for councils.

The Regional Sector Water Subgroup (RSWSG) has two streams of work underway to help understand the implications of the freshwater proposals:

- Economic Impact Assessment;
- Implementation need for regional councils.



Economic Impact Assessment

The Economic Impact Assessment of the EFW proposals has two phases.

Phase 1 – has been undertaken by Environment Southland and Waikato Regional Council staff with Market Economics and modelled some elements of the Agriculture Package focusing on:

- (a) financial costs of some of the provisions in Agricultural Package (farm management plans, stock exclusion, N cap) and the STAG proposal for DIN and DRP in rivers, using the Waikato as a case study;
- (b) financial costs of more of the Agriculture Package (intensive winter grazing, intensification) and looking at what the existing periphyton bottom line means for regions that have periphyton issues.

Phase 1 has been delivered and publicly released.

Phase 2 is underway and is being led by Castalia, a consultant with council staff and LGNZ. This takes a broader look at the economic impacts of the EFW proposals, to get a better understanding of regional variability and how all of the parts of the package interconnect. They will also assess the RIS which will accompany the discussion document.

This phase incorporates additional case studies. Eight councils to date have agreed to assess the impact of Government's Regulatory Impact Statement on a specific proposal(s) for their region and this work is underway.

Freshwater Forum

LGNZ hosted a Freshwater Forum on Tuesday, 24 September 2019, which Chairman Horrell and I attended and chaired a session. This was an opportunity for members of the RSWSG to present the Essential Freshwater proposals to regional councils and also to territorial authorities.

The focus will include speaking to the implications of the proposals for the regions, based on the case studies underway and Castalia's work.

Implementation

The Ministry for the Environment is preparing an implementation plan including support for councils. The regional sector has advised MfE that its implementation plan needs to take a whole of government approach to address a range of interconnected national issues including farmer welfare, science programmes, training and education, and Treaty settlements.

Separate but complementary to the Crown's implementation plan, the regional sector wants to understand the specific implementation challenges and costs for the sector and has commissioned a Regional Sector Implementation Plan. The Plan will use accurate and appropriate information from councils to present a combined view of implementation priorities. We have offered to work closely with MfE staff and consultants in the development of the government plan.

The Plan is currently expected to:

1. *Outline additional or revised activities for Councils* arising from the package in each of the following areas:
 - science including freshwater accounting;

- supporting systems and tools including databases and information management;
 - supporting capability required including advice to landowners and catchment groups;
 - plan making – impact on processes already complete, those underway and those still to start;
 - plan implementation including consents and compliance;
 - monitoring;
 - Iwi relationships;
 - on-the-ground action and non-statutory implementation programmes.
2. *Provide rough estimates of cost and FTE implications for Councils of the additional activities* including testing how prioritisation and phasing could smooth out timelines and resource needs. The sensitivity of the estimates to key assumptions can be tested.
 3. *Describe capacity and capability constraints* both within the regional sector and in other sectors such as the farm advisory sector, scientific expertise on catchment mitigation options, iwi advice; and highlighting interdependencies on factors such as Overseer® rationalisation, or availability of hearing panel given demands across the country.
 4. *Identify opportunities for national investment* and interventions that would increase likelihood of success. Opportunities should include all aspects of Government including education, Department of Conservation, MBIE (science funding) and access to databases and expertise (CRIs). Opportunities will include suggestions the potential for co-ordination/shared learning among Councils, mechanisms for Councils to work jointly with Government and Industry; and a national communication programme.
 5. *Present a combined view across Councils of priorities* for national investment including those where national funding could drive and/support cross-Council co-ordination. Prioritisation will be on the basis of long-term outcomes, efficient use of existing resources, and Council experience of the most critical factors that drive behaviour change.
 6. *Provide advice to Government on its ongoing monitoring and evaluation* framework for assessing this package (and implementation of the NPS-FM).
 7. *Provide information into the economic analysis* and ensure the alignment of assumptions and consistency in aspects such as number of farm environment plans, fencing, rates increases.

Council's People, Water and Land Programme

Work has continued to implement the People Water and Land Programme, *Te Mana o te Tangata, te Wai, te Whenua*. In summary:

- **Action on the Ground**

With the recent government announcements, working with the community takes on a new level of importance. Action on the Ground has been reframed to take a whole of region approach to ensure we are aligned with our objective of “Southlanders improving their freshwater and land through knowledge and action on the ground”.

The work underway in Whakamana te Waituna, the Capacity Building Project, Aparima Community Environment and other projects incorporate elements of one or all of the initiatives listed below:

Objective: Enabling activities that change land use to improve freshwater
Initiatives: Support and demonstrate change in agricultural practice at farm scale
Support and demonstrate integrated catchment management
Partner with industry and community to lead change in the region

- **Values and Objectives**

Preliminary work has been completed to distil the data collected during the community engagement process earlier this year (“Share your Wai” and Focus Groups) and integrate it with information contained within the relevant statutory instruments, regional planning documents and scientific reports for the Regional Forum and Governance. The information includes:

- community values;
- community objectives (narrative objectives);
- draft objectives for freshwater (numeric and narrative).

These were outlined in documents shared with Council and Te Ao Marama Inc Board members at the workshop held on 18 September 2019, including a Values and Draft Objectives Summary for the Regional Forum and a more detailed technical report on Developing Draft Freshwater Objectives for Southland. It is important to note this does not yet include the Iwi Values and Draft Freshwater Objectives, which will be available at the November 2019 and February 2020 Regional Forum workshops. These documents form the technical underpinnings to the later Limits and Methods Process for the Regional Forum (Phase Three).

The development of the Draft Freshwater Objectives is an iterative process.

Further work to be completed prior to commencement of the work in Phase Three includes:

- refinement of the work on estuary draft freshwater objectives;
- incorporation of the Iwi values and draft freshwater objectives;
- an assessment of the current state of the region’s water bodies against the draft freshwater objectives.

Further workshops are planned with Council and TAMI Board members to work through these elements in the coming months.

- **Regional Forum**

The role of the Forum is to provide a package of advice to Governance on **how** to achieve the community’s aspirations for freshwater, principally via methods, both regulatory and non-regulatory. Governance for the People, Water and Land Programme is via the Strategy and Policy Committee of the Regional Council, which will include mana whenua appointee(s) after the forthcoming Council elections, the recommendations from which are brought to full Council meetings for adoption. While the package of advice is deliverable at the end of the process, there are key decision points for Governance through the process where they will need the input of the Regional Forum and, in turn, feedback to the Regional Forum. The first of these is at the end of Phase Two.

At the three workshops which comprise Phase 2 (September 2019 – February 2020), the Forum will receive the community's values and draft freshwater objectives as well as Ngai Tahu ki Murihiku's values and freshwater objectives. They will also receive a gap analysis comparing the existing state of freshwater (using 2016 as a baseline) to the draft freshwater objectives. They will consider the challenges faced by the region and the barriers and opportunities for change. The Forum will complete a commentary reflecting their understanding of the community's values and draft freshwater objectives, the areas of focus for Phase Three of their work and any immediate recommendations they would like Governance to consider. The first workshop of Phase 2 was held in Tuatapere on 19/20 September 2019 and was very successful. The Forum members were very engaged in understanding the communities' values and how the draft freshwater objectives were derived. Public attendance at the evening meeting was also excellent, with 120 community members present and participating in a workshop style format on their values for the Waiau catchment.

At the end of Phase 2, Governance will receive the community's aspirations, expressed as Values and Draft Freshwater Objectives (both community and Iwi) and the Forum's commentary. This is a key decision point, to **agree in principle** that the Forum should proceed on the basis of this package with its work in Phase Three on limits and methods.

The proposed resourcing for the Regional Forum was included in the 2019/20 Annual Plan budget in January 2019 and a resource package prepared for the following years for the People Water and Land Programme is being developed.

Strategy and Corporate Planning

Following completion of the 2018/19 Annual Report, initial steps on the preparation of the 2020/21 Annual Plan are underway.

The Triennial Agreement that is required for the next trimester of the four Southland Councils is being updated ahead of circulation to the Regional Chief Executives' Group, and then onto the Mayoral Forum. The four Councils are required to sign off on the agreement prior to the end of March 2020.

In terms of aquaculture developments, there are three aspects that are recent or current. The first is the release of the Government's Aquaculture Strategy which is looking to achieve \$3 billion in annual sales from aquaculture by 2035. Secondly, and related to the Strategy, is the Government's investigations into open ocean aquaculture around New Zealand. Senior staff are on the investigation group being run by MPI. Finally, we are awaiting the Minister's decision on the proposals and applications to the Provisional Growth Fund for assistance funding to develop with industry, a salmon smolt hatchery in Southland.

Report – Policy, Planning & Regulatory Services Directorate

Policy and Planning

The Environment Court hearings for Topic A of the pSWLP are now complete. The experts have been directed to continue their work on the development of two suites of indicators of health (Ecological and Cultural), which commenced as part of the expert conferencing process in advance of the Topic A hearings. Judge Borthwick has directed that the experts have three months to complete this

work. This requires ongoing work from the Science Strategy and Investigations Team, as well as Council's external experts.

The staff workshop to commence the development of a Region Climate Change Action Plan was held in mid-August 2019 and staff from across various divisions from all territorial authorities attended. These included infrastructure and roading engineers, parks and biodiversity people, as well as planning staff. The session was the first step in the process, which aimed to gather data about the current state and where to from here, which was required in order to identify where action is needed and what can be prioritised. Since then, the Regional Planning Working Group and the 2nd Tier Environment Group (2TEG) have met to turn the workshop outputs into some high level objectives to determine actions for the next year and beyond. Given the cross-cutting nature and significance of this issue, staff have dedicated time and effort in these early stages to getting the right people together to enable ongoing buy-in moving forward.

The Essential Freshwater proposals and the other National Planning Standards currently being consulted on have taken up a lot of staff time over the last few months, and this is likely to continue. A Council workshop to discuss the proposals will follow this meeting.

Consents

There are 85 applications in progress at the time of this report.

Sixteen publicly notified applications are in progress. Active applications that are progressing include:

- *Zane Smith and Jim Maass Barrett's application for coastal permits to undertake shellfish farming at Big Glory Bay, Stewart Island* - the hearing has concluded and a decision is awaited from independent commissioner, Sharon McGarry;
- *Woldwide Farms application to expand existing farming operations on four farms near Drummond* - staff have recommended that consent be refused. Independent commissioners, Emma Christmas and Rob Enright, will hear and determine the applications in the week beginning 30 September 2019;
- *Suelen Properties Limited – two applications for marine aquaculture at Horseshoe Bay and Nathans Island (Stewart Island)* - submissions are open.
- *Cashmere Bay Dairy Limited application to expand existing farming operations* - submissions have closed and a hearing is being scheduled;
- *T J and J A Driscoll's application to expand an existing dairy farm* - a hearing is being scheduled;
- *Fiordland Trails Trust's application to affect a wetland by the placement of a cycleway near Manapouri* - Council's consultant planner recommended that consent be refused. The applicant suspended the process shortly after receiving the recommending report. The application will be determined by independent commissioner, Sharon McGarry, in due course.
- *Castlerock Farming's application to take and use groundwater from the Lumsden aquifer* - this application is currently on hold.
- *Te Anau Earthworks Limited's application to disturb the bed of the Mararoa River at the Lagoon Creek confluence, for gravel extraction purposes* - the applicant has suspended the process.
- *Pyper's Produce application to discharge contaminated vegetable wash-water to land from the base of a storage pond and an irrigator at Lochiel Branxholme Road* - the applicant has suspended the process.



Timeframe compliance for the period 6 August to 19 September was 100%.

Compliance

The Invercargill City Council and Keystone Dairies were prosecuted for unauthorised discharges to the environment.

Winter flights have concluded, with a number of properties receiving site visits from staff. The Compliance Team is working through the different ways of dealing with these incidents. Unfortunately, under Section 20A (existing use rights) of the Resource Management Act many of the properties are captured under the operative plan.

The small water take programme will be finished by the end of September 2019 and the groundwater monitoring programme will commence in October 2019.

Staff are busy collating information for the 2018/19 Compliance Monitoring Report.

Harbour Management Activity

The Fiordland Safety Management System and Maritime Resourcing projects are still progressing, with completion of both projects estimated to be around late September or early October 2019.

The new Environment Southland maritime vessel is scheduled this month for fitting out of its electronics and hardware, followed by signwriting. An official ES launch and naming of the vessel is being arranged, followed by the public launch around Labour Weekend.

The first cruise ship of the season is scheduled to arrive in Fiordland on 30 September 2019. There are 130 cruise ships scheduled to visit Fiordland this season, compared to 118 scheduled last year. Stewart Island has 24 visits scheduled.

The 10 year review of the Cruise Ship Deed of Agreement is still progressing, with further talks and negotiations scheduled.

The first boating safety school visit is scheduled for mid-October 2019, with 13 schools signed up for the very popular programme.

Report – Operations Directorate

Catchment Operations

The consent for the Upukerora groyne works has been approved. Work will begin on 1 February 2020.

The river and land drainage programmes are continuing, with the programmed works on target.

The review of the Liaison Committee roles is continuing, but is slightly behind the proposed timeline.

A review of the condition of Council's assets has commenced.

Land and Water Services

Staff continue to report a strong interest from the community (individuals, schools, catchment and community groups) in understanding the water quality and ecosystems challenges in their local environment. These requests are in contrast to publicly available data, which generally reports at the regional network scale. To address this some groups are initiating their own monitoring projects which whilst Council supports community-led thinking, there are some concerns about the quality of this data and how it is intended to be used. Within Council's larger catchment projects (e.g. Aparima Community Environment (ACE) and Orauea Stream) it is looking at how to frame projects that connect actions (good management practices) with water quality monitoring, with the intention of demonstrating the impact of on-ground change but also raising awareness of the health of our environment and its complex nature.

Rural stress and mental health concerns are at the forefront of many presently working in the rural community. Staff are currently contributing to a SWAT conversation (Southland Wellness Action Team) that connects via teleconference once a week. This team has agencies and companies (including central government) who work with farmers across Southland, as well as Rural Support Southland. Staff and Councillors are reminded that rural people are especially reluctant to seek help, particularly when coping with extraordinary stress. There is very helpful information on recognising the signs of unwellness, and what to say. It is important to recognise the signs of stress, have a conversation, practice self-care (farmers and staff) and know where to access support.

Biosecurity & Biodiversity Operations

Biodiversity Strategy: working with our partners at Biodiversity Southland great progress has been made on Southland's Biodiversity Strategy. The vision, goals and objectives have been agreed to and these will form a strong basis for protecting the region's biodiversity. The next step is to work with the partners to complete a stocktake of current work and develop action plans.

Biosecurity Strategy and Regional Pest Management Plan: the team is continuing to work on implementing the Operational Plan and updating work programmes to achieve the new Biosecurity Strategy.

Emergency Management Southland

AF8 [Alpine Fault magnitude 8], led by Emergency Management Southland (EMS), held a very successful tourism forum in Te Anau at the end of September 2019. Over a hundred scientists, emergency managers and tourism operators were joined by Hon Peeni Henare, Minister of Civil Defence Emergency Management and Associate Minister of Tourism, to discuss preparedness for the tourism sector when the next large earthquake occurs.

AF8 was also a joint winner of the EMPA "Excellence Award for Emergency Communication – Readiness & Resilience" for the "science beneath our feet" roadshow held in March and April 2019.

EMS has been re-engaging with some of its new Community Response Groups, holding a series of tsunami talks around the coastal regions. It has also completed the Wallacetown and Coastal Tokanui plans.

Operational training continues across the region with CIMS4 training in Te Anau, Invercargill and Milford Sound. A tabletop exercise will be held in Milford in October 2019 and, weather permitting, an NZDF NH90 helicopter will be visiting for a familiarisation flight.

Report – Science & Information Directorate

Communications

The 2019 Environment Southland Community Awards were held this week. This annual event is always a highlight on the Council's calendar, celebrating and recognising the region's environmental champions. The Annual Report Summary has been completed. The es.govt.nz website has been upgraded and went live at the end of September 2019.

The Communications Team has had significant involvement in organising and supporting the New Zealand Marine Studies Centre recent Aquavan events at Riverton and Invercargill. Support continues for the Regional Forum, promotional work was undertaken for the local government elections, and communications support was provided for winter grazing compliance, annual consent charges, winter air quality results, the OAG report on freshwater and the release of river trends by LAWA.

Work continues on the engagement framework and planning is underway for our participation in the Southern Field Days during February 2020.

Science Informatics & Operations

Various routine State of the Environment environmental monitoring/data collections and data handling/management activities that inform the science programmes are ongoing. Examples include river flow and rainfall (hydrological response), river, lakes, estuary and groundwater quality (nutrient and sediment loads) and aquatic ecology (aquatic macro-invertebrates and periphyton).

Staff are steadily working through potential implications relating to the State of the Environment monitoring regime following the release of the Ministry for the Environment discussion document "Action for Healthy Waterways".

Science Strategy & Investigations

The Science Team is currently involved in a number of legal processes, including allocation of water takes from the Maitai River and the proposed Southland Water and Land Plan. Three staff are taking part in the expert conferencing laid down by the Environment Court, as part of the proposed Southland Water and Land Plan appeals process.

Staff have also attended the joint Southland-Otago Region air quality workshop. This workshop aims to achieve a closer working relationship between the two regions in collaboration with the Southern District Health Board.

All scientists are contributing to various reports being prepared as part of the People, Water and Land Programme. This includes a completed draft version of the Values and Objectives report: *Developing draft freshwater objectives for Southland* and a summary report of Values and Objectives work stream. These reports have been provided to the Regional Forum, as information for its September 2019 meetings.



A draft *Community values for Southland's Freshwater Management Units* report is also due to be completed by the end of September 2019.

The team has been heavily involved in the Marine Science Aquavan, which recently visited Aparima. Scientists participated in a series of talks and activities with children and Otago University, Landcare, DairyNZ and ACE members.

The scientists are also extensively involved in the recently released MfE Healthy Water framework to determine the needs and impact of the document on the team.

Report – Corporate Services Directorate

IT

Work continues with suppliers to upgrade Council's core applications. A full roadmap for the year has been completed and is currently on schedule.

The following projects have commenced or been completed:

- IRIS technology upgrade has been implemented;
- Nessie (intranet) – slow loading issue resolved;
- Objective navigator went live on 20 September 2019; the browser will "go live" late November 2019, with a full re-launch of MORF;
- eLearning for MORF has been purchased and will be rolled out with the re-launch;
- Production GIS - this will be a phased roll-out to users;
- ConnectLink:
 - IRIS map component testing was completed in the last two weeks of September 2019;
 - IRIS 4.0 is due to "go live" in December 2019;
 - Device refresh - users will have a choice of three devices to ensure standardisation across Council. An estimated 120 devices will be replaced.

HR

- Work continues on progressing a number of programmes within the ES Way:
 - *Leadership Development Programme* – the first 3-day workshop for this programme was delivered at the end of September 2019;
 - *Recognition programme* – the employee-led programme has been socialised with the Leadership Forum and a launch is being planned;
 - *Corporate social responsibility* – this programme promoting employee-led "green" initiatives within Council has been developed and is due to be socialised with the Executive;
 - *Prioritisation* – participated in workshops run by Alicia McKay to identify and prioritise work ahead of the LTP.
- The employee survey was undertaken for the second year in a row in September, enjoying another high response rate of 97%, some 20% or so higher than other councils. Results are being reviewed and will be communicated to all staff in early October 2019.

- ES was nominated as finalists in the Westpac Southland Business Excellence awards in the “wellbeing” category.
- Ongoing continuous improvement initiatives included:
 - reviewing individual employment agreements to ensure they are in-line with current legislation;
 - training in family violence to ensure we are best-placed to support any employee experiencing this.
- The team’s busy period continued:
 - bargaining with the Union concluded in August and relationships remain healthy;
 - preparing for the annual salary review commenced in September 2019, as the annual performance development programme process concluded at the end of August 2019.
- Ongoing support to the organisation on people issues such as recruitment, performance management and reorganisation.

Records and Office Support

- Prepared for the Objective 10.5 upgrade on 20 September 2019.
- User Acceptance Testing.
- Work on re-launch of Objective to the organisation in late November 2019, with the introduction of the Objective IQ release to end users. This is a Browser view of the system, which provides a simplified user interface and should result in increasing end user uptake. Part of the re-launch will also see a refresh to Catchment Operations File Plan, Land Sustainability File Plan and a proposed implementation of an electronic resource library area for end users.
- Objective Administration Training will be held in early October 2019, to assist in system knowledge which will give confidence around support of the system and end users.

Organisational Support

- Supporting the election process as required for the 2019 Triennial Elections.
- Developing induction programme for new Council.
- Support for the Environment Awards judging and event management.
- Supporting the Annual Report process.
- Executive support.

Property Management

- Meetings of the Property Working Party were held on 2 and again on 30 September 2019.
- A review of a new lease agreement between Environment Southland and leaseholders is complete.
- Winton depot – negotiations for the sale of the depot are continuing.

Attachments

None

Item 2 Financial Report as at 31 August 2019

MORF ID: A503606	Strategic Direction:
Report by: Tanea Hawkins, Finance Manager and Jody Lloyd, Financial Accountant	Approved by: Neil Selman, Director of Corporate Services
Executive Approval: Neil Selman, Director of Corporate Services	

Purpose

For Council to note the financial report to 31 August 2019.

Summary

This report covers the two month period from 1 July 2019 to 31 August 2019.

The operating result for the period ended 31 August 2019 is \$1.14 million better than budget. Operating income is above budget by \$451,000 while expenses are in line with budget.

Income from investments is \$729,000 more than budget due to a continuing strong market, however, the risk remains for significant market volatility.

The schedule of reporting for the next four-month period is:

Date of Meeting	Council/Committee	Financial Report End Date
30 September 2019	Ordinary Meeting of Council	Adoption of 2019/20 rates resolution to 30 June 2020
30 September 2019	Organisational Performance & Audit Committee	2018/19 Draft Annual Report to 30 June 2019
9 October 2019	Ordinary Meeting of Council	31 August 2019
13 November 2019	Organisational Performance & Audit Committee	30 September 2019
11 December 2019	Ordinary Meeting of Council	31 October 2019

Recommendation

It is recommended that Council resolve to note the financial report to 31 August 2019.

Report



Draft Council Statement of Financial Performance for the Period ended 31 August 2019

	Month			Year to Date			Year Ended	
	Actual	Budget	Last Year	Actual	Budget	Last Year	Budget	Last Year
Income								
Rates	1,512,425	1,512,425	1,253,023	3,024,402	3,024,402	1,891,274	18,316,029	17,160,897
Other Income	2,057,528	1,831,264	2,903,183	2,756,241	2,305,421	4,012,631	12,148,938	11,465,561
Operating Income	3,569,953	3,343,689	4,156,206	5,780,643	5,329,823	5,903,905	30,464,967	28,626,458
Expenses								
People	1,327,028	1,390,307	1,262,917	2,603,099	2,711,099	2,450,656	18,073,996	15,806,604
Contractors/Consultants	375,706	411,609	273,215	919,399	793,019	333,387	6,506,085	7,051,196
Operational	558,209	608,634	673,421	1,502,691	1,486,233	1,287,217	10,781,709	10,729,626
Depreciation	69,425	69,425	63,392	138,850	138,850	126,908	833,098	737,481
	2,330,368	2,479,975	2,272,944	5,164,039	5,129,201	4,198,168	36,194,888	34,324,907
Operating Surplus (Deficit)	1,239,585	863,714	1,883,262	616,604	200,622	1,705,737	(5,729,921)	(5,698,449)
Investment Income								
Dividend from South Port	0	0	0	0	0	0	4,534,809	4,534,809
Income from Investments	417,834	109,734	569,266	951,373	222,234	901,405	1,382,467	2,383,188
	417,834	109,734	569,266	951,373	222,234	901,405	5,917,276	6,917,997
Total Surplus (Deficit)	1,657,419	973,448	2,452,528	1,567,977	422,857	2,607,142	187,355	1,219,548



Statement of Financial Position

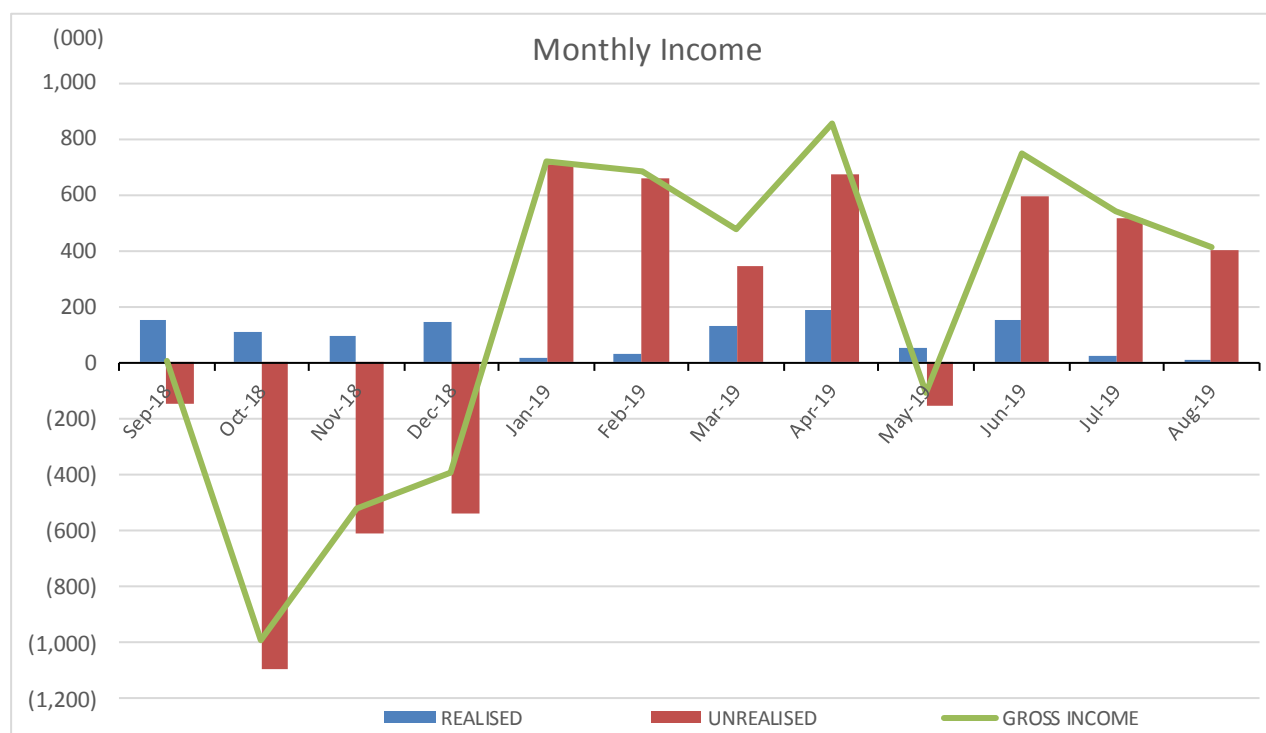
As at 31 August 2019

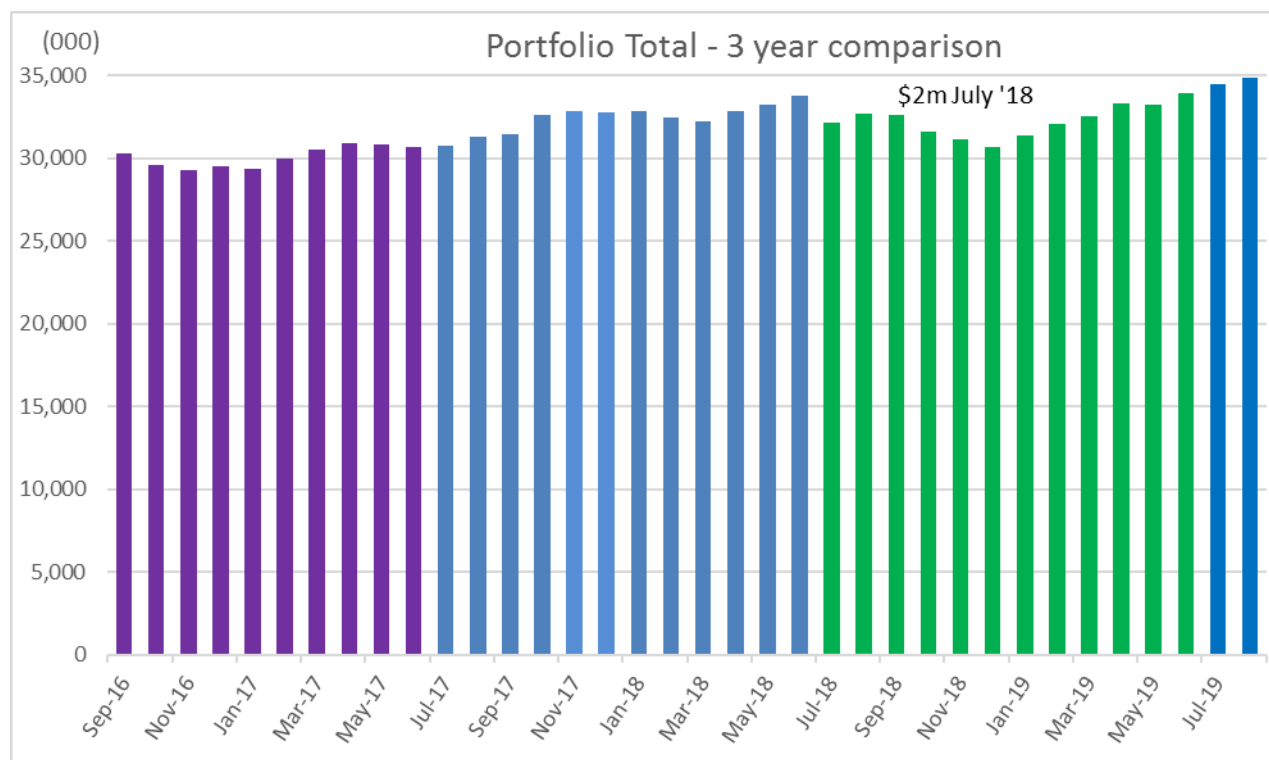
	Actual 2019	Actual 2018
Equity	79,081,844	78,932,998
Current Assets		
Cash and Deposits	(5,764,079)	(4,491,768)
Inventories	110,575	119,779
Prepayments	-	58,675
Receivables	3,475,688	5,015,103
Work in Progress	433,640	392,148
Current Assets	(1,744,176)	1,093,937
Non Current Assets		
Fixed Assets	37,599,471	37,818,322
Managed Funds (JBWere)	34,888,992	32,653,021
Shares (RSHL & Civic Assurance)	807,118	807,118
Loan (Clean Air Schemes)	160,673	200,000
Shares in Subsidiaries (South Port NZ Limited)	8,720,787	8,720,787
Non Current Assets	82,177,041	80,199,248
Total Assets	80,432,865	81,293,185
Current Liabilities		
Rates Received in Advance	(3,024,402)	(1,822,520)
Creditors and Accruals	4,375,423	4,182,707
Current Liabilities	1,351,021	2,360,187
Net Assets	79,081,844	78,932,998

Investment Income

Investments and Bank Accounts as at 31 August 2019

	JULY	AUGUST	INC/(DEC)	% HOLDING	% SIPO
Cash and Deposits					
ANZ - Cheque Account	(3,755,870)	(5,764,829)	(2,008,959)		
Petty Cash	750	750	0		
ANZ - Call Account	-	-	-		
Westpac - Call Account	-	-	-		
Total Cash and Deposits	\$ (3,755,120)	\$ (5,764,079)	\$ (2,008,959)		
Portfolio Investments (JBWere)					
Growth Assets:					
NZ Equities	2,582,137	2,525,700	(56,437)	7%	4% - 12%
AUS Equities	2,359,287	2,297,005	(62,282)	7%	4% - 12%
Offshore Equities	9,250,513	9,415,476	164,963	27%	20% - 40%
Property	2,122,766	2,189,039	66,273	6%	2.5% - 7.5%
Income Assets:					
Global Bonds	2,870,705	3,687,917	817,212	11%	5% - 20%
NZ Bonds	11,970,141	12,148,285	178,144	35%	25% - 45%
Cash	3,323,990	2,625,568	(698,422)	8%	1% - 20%
Total JBWere Portfolio	\$ 34,479,539	\$ 34,888,992	\$ 409,452	100%	





Debtors as at 31 August 2019

AGED DEBTORS/RATES - 31 August 2019						
	Current	1 mth	2 mths	3 mths	> 3 mths	Total
Rates	-	-	-	-	669,364	669,364
Debtors	2,323,179	119,273	289,581	18,888	165,580	2,916,500
Prosecutions	-	-	-	-	159,959	159,959
	2,323,179	119,273	289,581	18,888	994,903	3,745,823
LESS: Provision for Doubtful Debts						(270,136)
TOTAL Receivables per Statement of Financial Position						3,475,688

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

Legal implications

This report is prepared taking into account the prudential requirements of Part 6 of the Local Government Act.

Policy Issues and Decisions ***(Kaupapa Whakaputa Whakataurua)***

Item 3 Adoption of 2018/19 Annual Report and Summary

MORF ID: A490633	Strategic Direction: Governance
Report by: Ken Swinney, Strategy and Corporate Planning Manager	Approved by: Neil Selman, Director of Corporate Services
Executive Approval: Rob Phillips, Chief Executive	

Purpose

Council to adopt the 2018/19 Annual Report and Summary Report.

Summary

Council is asked to consider the presented Draft Annual Report for 2018/19 and Draft Annual Report Summary for 2018/19 and adopt them as the Annual Report for 2018/19 and Annual Report Summary for 2018/19.

Recommendation

It is recommended that Council consider the content of the Draft Annual Report for 2018/19 and having obtained any further information or explanation required, resolve to:

1. pursuant to Section 98, Local Government Act 2002, adopt the Annual Report for 2018/19, and the Annual Report Summary for 2018/19;
2. request the Chairman and Chief Executive to sign the financial statements and associated documents for forwarding to the auditors.

Report

Background

Aspects of the initial draft Annual Report and draft Annual Report Summary were considered at an Organisational Performance and Audit Committee (OPAC) meeting on 30 September 2019.

Mike Hawken of Deloitte was present at the OPAC meeting. He advised that Deloitte had substantially completed its audit work, recognising though that the Annual Report remains draft until adopted by the Council, and issue of the audit report. He presented the audit report to OPAC, which contained commentary for Council's attention, but nothing that would preclude adoption of the report.

Any matters noted during the audit were discussed at the meeting and led to recommendations for follow-up action by staff, as recorded in the OPAC minutes.

Following the meeting, the draft Annual Report content has been amended, with improvements arising from the audit review, management review and changes requested at the OPAC meeting.

As explained by the Council auditor at the OPAC meeting, the process for completion of the audit from here requires:

- adoption of the Annual Report 2018/19 and Annual Report Summary 2018/19 by the Council;
- signing of the Letter of Representation by the Chairman and Chief Executive of behalf of the Council including notification of additional significant events subsequent to balance date (if any) up to the date of the adoption of the Annual Report.

After adoption, the report will be printed in-house and distributed to those on the mailing list and made available on Council's website.

A draft of the Letter of Representation, as provided by Deloitte, is presented. It is recommended that Councillors read and understand the representation it contains and to seek clarification or assurance from staff on any matters.

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.

Legal Compliance

This report and the associated recommendations comply with the appropriate statutory requirements placed upon the Council.

Consistency with Council's LTP/Annual Plan/Policy/Strategy

This report is consistent with Council policy.

Financial and Resource Implications

There are no additional financial or resource implications.

Attachments

1. Letter of Representation by Deloitte (*separate attachment*)
2. Draft Annual Report 2018/19 (*separate attachment*)
3. Draft Summary Report 2018/19 (*separate attachment*)



Approvals Required (Whakaengia)

Item 4 Mataura Liaison Committee Funding Application

MORF ID: A499151	Strategic Direction: Communities empowered and resilient
Report by: Dave Connor, Catchment Team Leader	Approved by: Paddy Haynes, Catchment Operations Manager
Executive Approval: Jonathan Streat, Director of Operations	

Purpose

To consider and approve a funding application from the Mataura Liaison Committee to grant ratepayer funds to community catchment groups within the Mataura catchment for a trial period of one year.

Summary

The Mataura Liaison Committee has applied to Council to grant six community catchment groups a total of \$5,000 each. The community catchment groups are Balfour, Wendonside, Waikaka, Gore, Three Rivers and Lower Mataura.

If the proposal proceeds, the Waikaka Community Group has set its main objectives for the using funding as “encouraging community engagement/understanding of water quality and soil conservation issues”.

Environment Southland staff have determined that the funding could come from interest from the Mataura rating disaster reserve if the proposal was approved.

Environment Southland would be prudent in ensuring any allocation of public money is properly scrutinised and auditable through a credible process.

Recommendation

It is recommended that Council consider the funding application from the Mataura Liaison Committee to grant ratepayer funds to community catchment groups within the Mataura catchment and resolve to:

- 1. approve/not approve the proposal for a one year trial in the 2019/20 financial year;**
- 2. (if approved) funding is to be sourced from interest gained from the Mataura rating disaster reserve;**
- 3. (if approved) following the trial period a review be undertaken and its outcome be reported back to Council for further consideration;**

4. (if approved) request staff with the Maitara Liaison Committee to develop a criteria against which applications will be assessed and report this back to Council for approval;
5. (if approved) ensure any funding grants that are provided meet the criteria that is adopted.

Report

Background

As a result of a meeting in November 2018, the Waikaka Catchment Group discussed the issue of funding. At the meeting, the following was discussed:

There are various organisations, corporate, business and benevolent groups that currently are funding or have indicated a willingness to fund the good work of catchment groups. Co-funding is dependent on the groups demonstrating an ability to contribute funds of their own to reflect the local share or buy-in of the individual group's objectives. It was felt that voluntary donations from the public would be a means of achieving that, but the reality is the wider catchment population most likely would let those directly involved at the committee level shoulder a disproportionate share of the cost.

The objectives of the catchment groups are wide and varied but could include the following examples put forward from the Waikaka Catchment Group such as:

- to understand is there a problem and what the problem might be;
- to raise issues around water quality via testing water and collating results;
- to educate and inform and act in and represent their community's interests;
- to engage with their own community including schools and voluntary groups;
- to improve water quality by working towards the goals of the proposed Southland Water and Land Plan;
- to encourage and get involved in riparian planting, watercourse retirement and fencing off of waterways;
- look at other environment issues like soil conservation and air quality.

Rather than expecting voluntary donations from the public and landowners a more suitable way of funding is potentially through a grant system from the respective liaison committee budgets. It would achieve a fair and even way of supporting the community catchment groups, and it would:

- provide a conduit from Environment Southland via the River Liaison Committees to all the catchment groups;
- demonstrate Environment Southland's commitment to the good work that is and will be achieved by these groups;
- provide the groups with seed capital to support applications for co-funding from the organisations mentioned earlier.

If the proposal goes ahead, it would be appropriate that a Memorandum of Understanding (Statement of Intent) is written up that would be signed off by Environment Southland and the Catchment Group at year commencement, providing for the Catchment Group to report later to the Liaison Committee at its annual general meeting.

If approved, the next step would be to formally request consideration by the Matura Liaison Committee to include in its budgets for the 2019/20 financial year:

- an amount of \$5,000 for each of the six catchment groups that are functional within the Matura catchment, to be passed unanimously (Note: Initially there was five groups but now there are now six);
- funding for the above request comes from the General Fund part of funding to the Liaison Committee budget.

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

Current situation

After receiving the application, Council staff from Catchment, Finance and the Director of Corporate Services met to discuss where potential funding could be allocated from. It was determined that the funds would not come out of the general rate, but could come out of the interest on the reserve. Environment Southland is looking to maintain a monetary figure on the reserve for all catchments. This amount is yet to be determined. Once determined, consideration of this should be given for any future funding proposals.

Implications/Risks

Risks to Environment Southland could include what the funding is used for, or a lack of criteria of what it can be used for. It is important to recognise also that Environment Southland may not necessarily agree with how the groups intend to use the money. Some examples of the latter may include:

- fencing stock from waterways when industry requires it;
- water sampling when the science team have criteria around sample taking and may already have enough sampling on a particular area;
- other catchment groups may request similar grants.

If there was limited criteria in terms of overseeing the expenditure, Environment Southland could be implicated during an audit process. It would be prudent to ensure any projects undertaken have some level of future protection.

An example currently used in Council is the Enablement Grant Fund. This fund has been used for works undertaken by landowners when Environment Southland staff have completed a farm plan. The enablement grant fund stipulates the following:

- eligibility criteria limits the grants to works must be over and above industry requirements;
- works must be targeted at water quality issues;
- timeframe to complete the works.



If the enablement Grant fund example was to be used, a farm visit to audit works would be undertaken to ensure works are completed properly within timeframes and budget. A small committee would also assess each application.

Attachments

1. Minor works agreement example.
2. Application form for assistance example.



Minor Works Agreement (Example)

File No:

1. The rate of grant assistance is based on the total cost of the work, but not exceeding the estimate approved by Environment Southland (the Council).
2. The applicant may proceed with the project in accordance with the approved specifications following advice of approval from the Council.
3. Riparian planting, fencing or structures are to be placed so that they do not hinder access for machinery to carry out drain maintenance works managed by the Council.
4. The Council reserves the right to withdraw its approval of the project at any time before the commencement of work.
5. The applicant agrees not to damage, interfere with or demolish structures or plantings without first obtaining the Council's consent in writing.
6. Where relevant, controlled grazing with sheep only to suppress noxious weeds and rank grass growth is permitted, on condition of the following:
 - no grazing during the months of May to September inclusive
 - no significant de-vegetation occurs
 - a minimum grass sward height of 100mm is maintained
 - grazing shall not damage any assisted riparian plantings
7. Pest flora and fauna control is the responsibility of the landowner.
8. The applicant agrees to maintain any plantings, fencing and structures in good stock proof order and condition; any such maintenance to be at the applicant's own cost.
9. The applicant agrees to refund to the Council the amount of the grant paid by the Council if he/she fails to comply with any of the conditions specified in this agreement.
10. The applicant agrees to produce prior to claim for assistance such receipts, invoices and vouchers relevant to the project as the Council may require.
11. The applicant agrees to permit the staff of the Council to inspect the project at all reasonable times.
12. The Landowner will not transfer or otherwise dispose of the Land to another person without first arranging for that other person to enter into a replacement agreement with the Council, whereby that other person agrees to assume the Landowner's obligations under this Agreement for the unexpired term of the agreement.
13. This agreement exists for a period of 20 years from the date of signing.
14. This agreement applies in respect of the applicant's land described as [legal description of property]



The Landowner acknowledges that the Landowner has read and understood this agreement, and in particular understands that the Agreement must repay the grant if the Landowner breaches this Agreement which includes disposing of the Land without first arranging for the new owner to sign a replacement agreement.

Signature of the Applicant Date.....

Name of the Applicant.....

Signature of the WitnessDate.....

Name of the Witness.....

Signature of authorised representative of the Council.....Date.....



Application form (example)



Application Form

Mataura Liaison Committee

Catchment Group Assistance

Applicant Name:

Group Contact Person:

Address:

Home Phone:

Mobile:

Email:

**Date Focus Activity Farm
Plan Received:**

Project Information

Describe how project will provide environmental benefit to the catchment:

Describe the work required to complete the project:

What will be done? Who will do it? What materials will be used? How long will it take?

Application needs to be supported by a photograph showing the location of works.



Fencing

Proposed length of fence (m):

Fence Type:

Sheep / Dairy / Deer

Fence Specification:

Riparian buffer width (m):
metres from stream bank to fence

Planting

Length and width of riparian buffer to be planted (m x m)

Number of Plants:

Planting Density: (spacing)

Species:

Other Works

Culverts:

Pipe Dimensions:

Wetland Creation:

Dimensions:



Estimated Cost of Project (ex GST)

Labour - *Provided by Applicant* – hours x rate

Description:

\$ _____

Labour - *Provided by Contractors* – hours x rate

Description:

\$ _____

Materials - *Provided by Applicant*

Description:

\$ _____

Materials - *Provided by Contractors*

Description:

\$ _____

Other Costs – *Provided by Applicant* (e.g. Professional Services, Machinery, Transport)

Description:

\$ _____

Other Costs – *Provided by Contractors* (e.g. Professional Services, Machinery, Transport)

Description:

\$ _____



Total Project Cost

Total Project Cost:

**Total funding sought by
the applicant:**

Other Funding:

Please advise if funding is being sought from any other sources and if so, how much, who from, and when would funding be confirmed.

Project Completion Date:

Declaration

The information contained in the application is true and correct.

Applicant

Signed:

Date:

Catchment Works Supervisor

Signed:

Date:

MORF ID:

Item 5 Update to Staff Delegations Manual

MORF ID: A491860	Strategic Direction: Council Policy
Report by: Jan Brown, Executive Assistant	Approved by: Neil Selman, Director of Corporate Services
Executive Approval: Rob Phillips, Chief Executive	

Purpose

To seek Council approval to make a further amendment to the Staff Delegations Manual.

Summary

Following on from the report to the Ordinary Meeting of Council on 14 August 2019, the financial delegations section of the Staff Delegations Manual needs to be further updated to reflect an additional authorisation being made.

Recommendation

It is recommended that Council resolve to approve the proposed changes to the Staff Delegations Manual as outlined in Schedule 1, effective immediately.

Report

Background

A change to the staffing structure by the addition of a full-time position to the Operations Directorate has created the need to further update the Staff Delegations Manual in order to have essential and consistent financial delegations put in place.

The manual is to be kept up-to-date with role changes in order that staff have the ability to make the required decisions to undertake their duties, and to ensure that those decisions have the requisite authority and legal standing.

The update is outlined in Schedule 1 below:

Schedule 1: Proposed Update to Staff Delegation Manual

Page	Section	Existing Provision	Proposed Provision
26	Entering Contracts & Authorisation of Payments	-	Operations Directorate <ul style="list-style-type: none"> Whakamana te Waituna Project Manager - \$30,000



Views of Affected Parties

The exercise of delegation comes from the Council through the Chief Executive to staff, with the various job descriptions for each role stipulating the scope and nature of the delegated authorities that the role is expected to deliver on. Those staff take on the role knowing that delegations will be in place and available in order that they can carry out their roles.

Compliance with Significance and Engagement Policy

None of the proposed amendments come into conflict with the provisions of the Significance and Engagement Policy.

Legal Compliance

The amendments being made are to ensure delegated decisions have legal integrity and have legitimate status.

Consistency with Council's LTP/Annual Plan/Policy/Strategy

The changes being proposed are consistent with the Strategic Plan directions and with the levels of service set out in the Long-term Plan for delivery of programmes and projects.

Financial and Resource Implications

None of the adjustments have any significant financial or resourcing implications.

Attachments

None

Item 6 Local Government New Zealand Zone 5 and 6 Meeting - Attendance

MORF ID: A503326	Strategic Direction: Communities Empowered and Resilient
Report by: Jan Brown, Executive Assistant	Approved by: Neil Selman, Director of Corporate Services
Executive Approval: Rob Phillips, Chief Executive	

Purpose

This item seeks Council approval for the attendance of Council representatives at the Local Government New Zealand joint Zone 5 and 6 meeting, scheduled to be held in Oamaru on 18 and 19 November 2019.

Summary

Council has been advised that the next LGNZ Zone 5 and 6 meeting will be held in Oamaru, hosted by Waitaki District Council, on 18 and 19 November 2019. However, given the distance of this meeting, it will require those attending to travel through to Oamaru on the Sunday evening prior.

An agenda is yet to be prepared however, but early notice of the meeting has been provided largely because of the upcoming triennial local body elections. Council is asked to consider confirming attendance at this meeting, to allow the necessary travel, accommodation and registrations to be made. The final decision on who those delegates will be is to be sought at the Inaugural meeting of Council scheduled for 29 October 2019.

Recommendation

It is recommended that Council resolve to:

1. **appoint two Councillors and the Chief Executive to attend the Combined LGNZ Zone 5 and 6 meeting to be held in Oamaru on Monday, 18 and Tuesday, 19 November 2019;**
2. **meet the associated costs of travel, accommodation and meals for those delegates attending the meeting.**

Report

Background

Local Government New Zealand holds quarterly combined zone meetings, which are open to attendance by each of the councils within the relevant zones. These combined meetings are shared between the zones, and on this occasion, the hosting region is Zone 6, and Oamaru has been selected as the meeting venue.



Current situation

Based on past Council practice, and discussion with the Chairman, it is proposed that up to two Councillors and the Chief Executive attend the meeting.

Given this meeting will be held early in the new Triennium of Council, and the outcome of the local body elections is unknown, it is proposed to register for two Councillors (and the Chief Executive) to participate, at this time. The Inaugural Meeting of Council will receive an agenda item confirming the arrangements that have been made, and finalise the appointed delegates at that meeting.

The proposed draft schedule for this meeting is as follows:

Sunday, 17 November 2019

Arrival	Victorian Fete or Geopark Tour
4.00 pm to 5.00 pm	Tours of Riverstone Castle (at individual's cost of \$25 per head)
6.30 pm	Dinner at Riverstone Kitchen

Monday, 18 November 2019

Zone 5 & 6 Meeting	Opera House Footlights Stage
Afternoon tours	Key local points of interest and infrastructure (e.g. Opera House and Heritage Quarter/Harbour Area and Masterplan/Retirement Village/Water Treatment Plant)
4.00 pm	Zone of Thunder Challenge
5.00 pm	Gather at Scott's Brewery
6.30 pm	Dinner

Tuesday, 19 November 2019

Zone 5 & 6 Meeting	Opera House Footlights Stage
	Lunch
Departure	

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 parties affected by the recommendations in this report.

Compliance with Significance and Engagement Policy

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



Considerations

Financial implications

Current budget - attendance of up to two delegates and the Chief Executive at the LGNZ Zone meetings is provided for within current budgets.

Attachments

None



Item 7 Councillors' Meeting Schedule – August to October 2019

MORF ID:	Strategic Direction: Council Policy
Report by: Jan Brown, Executive Assistant	Approved by: Neil Selman, Director of Corporate Services
Executive Approval: Rob Phillips, Chief Executive	

Purpose

For Council to approve the meeting schedule, as shown on the following pages.

The schedule has been prepared in accordance with current Council policy under the Remuneration provisions contained in Schedule 7 of the Local Government Act 2002.

Recommendation

It is recommended that Council note the planned meetings and resolve to:

1. appoint members to represent Council at the meetings marked on the schedule;
2. pay meeting fees and/or allowances in accordance with its policy and detailed on the schedule.



Councillors Meeting Schedule - August to October 2019

Leave of Absence Requests (dates inclusive):

Cr Cockburn – 26 August to 12 October 2019

Cr Rodway – 2 to 11 October 2019

Meeting	Venue	Date	Time	Council Representation	Fees/ Allowances		
					Meeting Fee	Mileage Allowance	Other
Retrospective							
Aerial Flight – Winter Grazing Inspection	@ Southland	Friday 9 August 2019	As Agreed	Chairman Horrell, Cr McCallum	-	✓	
Southland Heritage & Building Preservation Trust	@ ES	Monday 12 August 2019	1.00 pm	Cr Ludlow	-	✓	
Landward Buffer meeting	@ES	Tuesday 13 August 2019	10.00 am	Cr McCallum	-	✓	
Southland Dairy Leaders Group meeting	@ Dairy NZ	Monday 19 August 2019	1.00 pm	Chairman Horrell	-	✓	
Loan Agreement meeting	@ Bluff	Tuesday 20 August 2019	11.30 am	Cr McCallum	-	✓	
Meeting of Governance of ES and TAMI and Regional Forum	@ ES	Thursday 22 August 2019	3.30 pm	Chairman Horrell	-	✓	
Joint Shareholders Committee meeting	@ SDC	Monday 26 August 2019	10.00 am	Chairman Horrell	-	✓	
Whakamana te Waituna Charitable Trust Co Chairs meeting	@ ES	Monday 26 August 2019	2.00 pm	Chairman Horrell	-	✓	
HWR Milestone Celebration	@ Invercargill	Monday 26 August 2019	5.00 pm	Chairman Horrell	-	✓	
Joint Industry Wintering Hui #1	@ ES	Tuesday 27 August 2019	10.30 am	Chairman Horrell Cr McCallum	-	✓	
pSWLP Appeals Subcommittee	@ ES	Thursday 29 August 2019	1.30 pm	Crs McCallum, Rodway & Roy	-	✓	



Leave of Absence Requests (dates inclusive):							
Cr Cockburn – 26 August to 12 October 2019							
Cr Rodway – 2 to 11 October 2019							
Meeting	Venue	Date	Time	Council Representation	Fees/ Allowances		
					Meeting Fee	Mileage Allowance	Other
Environment Awards Judging Day	Around Southland	Thursday 29 August 2019	As Agreed	Crs Ludlow and Stevens	-	✓	
Environment Awards Judging Day	Around Southland	Friday 30 August 2019	As Agreed	Crs Ludlow and Stevens	-	✓	
Southland Mayoral Forum	@ ICC	Friday 30 August 2019	10.00 am	Cr McCallum	-	✓	
NZAS Sector Afternoon Tea Meeting	@ Transportworld	Friday 30 August 2019	3.00 pm	Cr McCallum	-	✓	
Council Briefing pSWLP Appeals – Topic A	@ ES	Monday 2 September 2019	1.30 pm	All Councillors	-	✓	
Property Working Party meeting	@ ES	Monday 2 September 2019	3.30 pm	Chairman Horrell, Crs McPhail, Hubber, Stevens & Rodway	-	✓	
Aquavan – Discovering our Coastal Connections community event	@ Aparima College	Saturday 7 September 2019	11.00 am	Interested Councillors	-	✓	
Environment Awards Judging Day	Around Southland	Monday 9 September 2019	As Agreed	Crs Ludlow and Stevens	-	✓	
Environment Awards Judging Day	Around Southland	Tuesday 10 September 2019	As Agreed	Crs Ludlow and Stevens	-	✓	
Council Workshop – NPS for Freshwater, Urban Development and Highly Productive Land	@ ES	Wednesday 11 September 2019	9.00 am	All Councillors	-	✓	
Environment Awards Judging Day	Around Southland	Wednesday 11 September 2019	As Agreed	Crs Ludlow and Stevens	-	✓	



Leave of Absence Requests (dates inclusive): Cr Cockburn – 26 August to 12 October 2019 Cr Rodway – 2 to 11 October 2019							
Meeting	Venue	Date	Time	Council Representation	Fees/ Allowances		
					Meeting Fee	Mileage Allowance	Other
MfE Public meeting re NPS for Freshwater, Urban Development and Highly Productive Land	@ ICC	Wednesday 11 September 2019	5.30 pm to 7.30 pm	Interested Councillors	-	✓	
MfE Primary Sector meeting re NPS for Freshwater, Urban Development and Highly Productive Land	@ Winton	Thursday 12 September 2019	10.00 am to 12.00 nn	Interested Councillors	-	✓	
MfE Council Staff Roadshow re NPS for Freshwater, Urban Development and Highly Productive Land	@ ICC	Thursday 12 September 2019	2.00 pm to 4.00 pm	Interested Councillors	-	✓	
Joint Industry Wintering Hui #2	@ ES	Friday 13 September 2019	12.00 noon	Chairman Horrell, Crs McCallum, McPhail and Rodway	-	✓	
Council/TAMI Workshop – Regional Forum & Community Values	@ ES	Wednesday 18 September 2019	10.00 am	All Councillors	-	✓	
Conservation Week Celebrations with DOC	@ Transportworld	Wednesday 18 September 2019	6.30 pm	Chairman Horrell	-	✓	
Regional Forum Public Session	@ Tuatapere	Thursday 19 September 2019	7.00 pm	Chairman Horrell Cr Rodway	-	✓	
Council Briefing – ESR Science Reports	@ ES	Friday 20 September 2019	1.30 pm	All Councillors	-	✓	
Aquavan – Discovering our Coastal Connections	@ Invercargill	Saturday 21 September 2019	11.00 am	Interested Councillors	-	✓	



Leave of Absence Requests (dates inclusive):							
Cr Cockburn – 26 August to 12 October 2019							
Cr Rodway – 2 to 11 October 2019							
Meeting	Venue	Date	Time	Council Representation	Fees/ Allowances		
					Meeting Fee	Mileage Allowance	Other
LGNZ Freshwater Forum	@ Wellington	Tuesday 24 September 2019	All day	Chairman Horrell	-	✓	T
Lower Aparima Catchment Group and Riverton Discussion Group	@ Southland	Tuesday 24 September 2019	11.00 am	Interested Councillors	-	✓	
ACE/Farmsource BBQ	@ Otautau	Thursday 26 September 2019	11.00 am	Interested Councillors	-	✓	
Chamber of Commerce Business Awards	@ Invercargill	Friday 27 September 2019	5.00 pm	Chairman Horrell	-	✓	
OPAC meeting (changed from OPAC workshop) Property Working Party	@ Invercargill	Monday 30 September 2019	9.45 am 3.30 pm	Councillors Appointed	-	✓	
Te Wai Parera Trust meeting	@ ES	Tuesday 8 October 2019	2.00 pm	Chairman Horrell Cr McCallum	-	✓	
October							
Council caucus opportunity Council meet with Executive <i>Morning tea break</i> Ordinary meeting of Council <i>Lunch break</i> Council Workshop – NPSFM follow-up Council Debrief – Review of last Triennium	@ ES	Wednesday 9 October 2019	9.00 am 9.30 am 10.15 am 10.30 am 12.00 noon To follow To follow	All Councillors	-	✓	



Leave of Absence Requests (dates inclusive):

Cr Cockburn – 26 August to 12 October 2019

Cr Rodway – 2 to 11 October 2019

Meeting	Venue	Date	Time	Council Representation	Fees/ Allowances		
					Meeting Fee	Mileage Allowance	Other
Whakamana te Waituna Community Consultation Workshop	@ Oteramika Hall Waituna	Friday 11 October 2019	10.30 am	Interested Councillors	-	✓	
<i>Local Body Elections</i>	-	<i>Saturday 12 October 2019</i>					
Inaugural Meeting of Council	@ ES	Tuesday 29 October 2019	2.00 pm	All Councillors	-	✓	

Please note, those items with shading or with ~~strikethrough text~~ – indicate changes that have occurred since the last meeting schedule was approved by Council

*T = Transport (mileage/air fares/etc) *A = Accommodation costs *R = Course/Conference registration costs E = Expenses incurred in association with visit



Item 8 Common Seal

MORF ID: N/A	Strategic Direction: Council Policy
Report by: Jan Brown, Executive Assistant	Approved by: Neil Selman, Director of Corporate Services
Executive Approval: Neil Selman, Director of Corporate Services	

Purpose

For Council to note the Common Seal has been applied to the following documents under approved authorisation:

9 August 2019

- ⇒ Warrant to Act as an Enforcement Officer -
Glen Cameron McMurdo

14 August 2019

- ⇒ Certificate of Southland Regional Pest Management Plan Adoption

Recommendation

It is recommended that Council resolve to note the list of documents to which the Common Seal has been affixed under approved authorisation.



Strategy and Policy Committee (*Rautaki me Mahere*)

Item:	Page:
• Item 9 - Policy and Planning Division Work Programme including External Agency Reports	79
<i>Public Excluded Section</i>	
• Item 16 - Cruise Ship Deed of Agreement Review - Update	209

Matters for Information/Noting (*Kaupapa Whakamohiotanga/Tuhingia*)

Item 9 Policy and Planning Division Work Programme including External Agency Reports

MORF ID: -	Strategic Direction:
Report by: Lucy Hicks, Policy and Planning Manager	Approved by: Vin Smith, Director of Policy, Planning & Regulatory Services
Executive Approval: Vin Smith, Director of Policy, Planning & Regulatory Services	

Purpose

For Council to note the Policy and Planning Division work programme (attached), which will be updated for each Strategy and Policy Committee meeting. This item will also include a summary of recent reports and discussion papers received from external agencies that may be of interest to Councillors.

Background

The work programme provides Councillors with a summary of the work priorities, resource implications and project progression for the Policy and Planning Division.

In addition, staff have identified that there is no systematic approach to ensure that Councillors are made aware of reports and discussion papers that are released, especially when a Council submission is not required. These documents are released throughout the year, often by central government or non-government organisations such as Local Government New Zealand. In some cases, a staff submission may be prepared. Staff have included two tables on these documents in this report so that Councillors are aware of them.

Recommendation

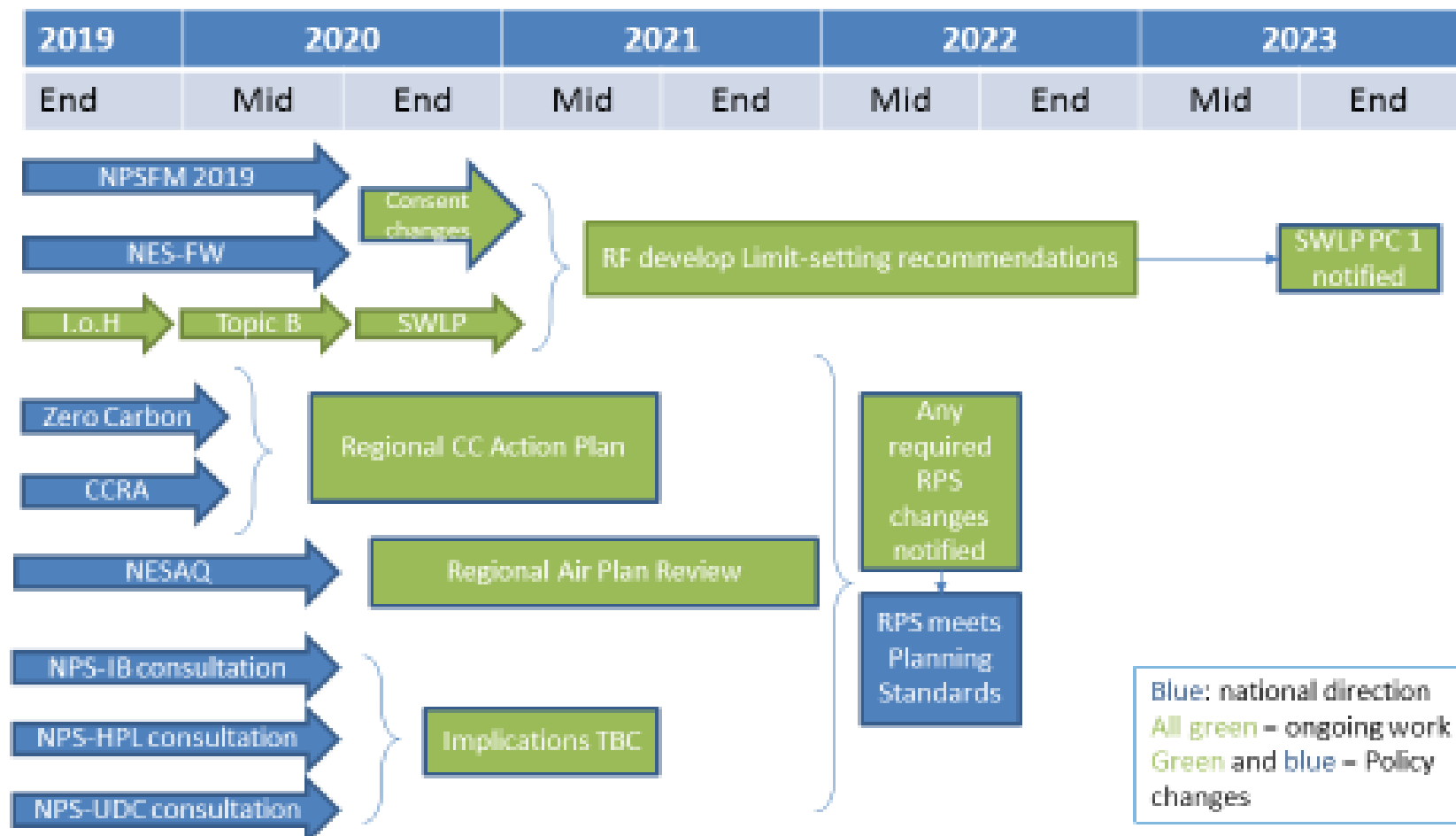
It is recommended that Council resolve to note the Policy and Planning Division Work Programme including External Agency Reports.

Attachments

1. Policy and Planning Division work programme

National Direction Overview

Below is an overview of recent (and future) Government direction and how it will affect the Policy and Planning teams' work.



Policy and Planning Work Plan Update (v1.0 as at 23 September 2019)

Summary

	Delivered	Staff involved	Timeframe
1. pSWLP & limit setting	Science experts are continuing the development of ecological and cultural indicators of health – this will be completed by the end of November	P&P & Science (supported by legal team and external consultants)	Complete
	Response to and determination of the implications of the Essential Freshwater Proposals for Topic B are currently being drafted.		Nov 2019
2. Coastal Plan	10 discussion papers are being developed and intend to be workshopped with Cllrs and TAMI.	Tanith and Kathryn (supported by external consultants)	February 2020
3. Air Plan	Stage 2: Effectiveness and Efficiency Review going out for tender and the Used Oil Study is underway	Gavin Mc, Kathryn & Owen (supported by external consultants)	On-going
	Still expecting NESAQ 2019 amendments for consultation by the end of 2019		End of 2019
4. SEP	Some scenario testing and basic staff training has been completed	Emma & Market Economics (M.E.)	Ongoing
	Community interface and template is being designed to assist the Regional Forum		February 2020
	The model used by Regional Sector for Essential Freshwater submission.		End of 2019
5. Hazard Management	Digitisation programme continues	Gavin G & Gavin Mc (supported by external consultants)	On-going
	LiDAR tender evaluation and contract letting currently on-going.		End of October
6. Transport Management	RTC's & combined Technical Advisory Group meetings continue	Russell (& ORC)	Ongoing
	Cycle way contract let and progressing		Complete
7. Regional Planning	Staff Climate Change workshop held, summation report to 2 nd Tier Environment Group (2TEG) in Sept and Cllrs workshops to be planned.	P&P	Ongoing
	National Planning Standards project plan to be presented / workshopped with the new Council.		February 2020
8. Biodiversity & Biosecurity	RPMP completed without any appeals lodged.	P&P and Biodiversity division	Complete
9. Maritime	Cruise Ship Deed negotiations are continuing to progress (see separate paper).	Lyndon Cleaver	Ongoing



Regional Services Committee

(Ropu Tiaki Waka-a-Rohe)

Item:	Page:
• Item 10 - Controlled Area and <i>Undaria</i> Management Update	83
• Item 11 - Biosecurity and Biodiversity Operations Annual Report	91
• Item 12 - Annual Report of the Land and Water Services Division	114
• Item 13 - 2018/19 Rating District Works Programme – Annual Report	134

Approvals Required (Whakaengia)

Item 10 Controlled Area and *Undaria* Management Update

MORF ID: A499693	Strategic Direction: Biosecurity and Biodiversity
Report by: Robert Win, Biosecurity Officer, Marine and Biodiversity	Approved by: Ali Meade, Biosecurity & Biodiversity Operations Manager
Executive Approval: Jonathan Streat, Director of Operations	

Purpose

To update Council on activities regarding the management of the Asian seaweed, *Undaria pinnatifida* (*Undaria*) in Fiordland and gain approval to revoke the Controlled Area Public Notice in Breaksea Sound.

Summary

Breaksea Sound Controlled Areas Removal

In December 2017, Environment Southland (ES) resolved to establish a Controlled Area under the Biosecurity Act 1993 to address the human-mediated spread of *Undaria pinnatifida* out of an infested area of Breaksea Sound, Fiordland (Image 1). The rules are in place and along with the regional pest and pathway management plans, address risks such as hull fouling and gear movements that would promote *Undaria* spread.

The Controlled Area Notice was put in place to support the rules within the Southland Regional Pest Management Strategy (RPMS). However, the RPMS has now been replaced by the Southland Regional Pest Management Plan (RPMP), which became effective in July 2019. The RPMP contains stricter rules to manage *Undaria* in Fiordland than those within the RPMS making the Controlled Area Notice redundant.

Undaria Control Update

Since 2010, Environment Southland, the Ministry for Primary Industries (MPI) and the Department of Conservation (DOC) have been working to eradicate the Asian seaweed *Undaria pinnatifida* (*Undaria*) located in Breaksea Sound, Fiordland. However, in 2017 during a routine joint-agency surveillance and compliance trip, *Undaria* was discovered by divers on a mooring line in Beach Harbour.

A delimiting survey was undertaken to determine the extent of *Undaria*. The survey found *Undaria* is widespread and dense in Breaksea Sound (Map 1). At this time, and with the available tools, eradication is not feasible.

During a joint-agency compliance and marine biosecurity patrol in April 2019, *Undaria* was found in North Port, Chalky Inlet (Map 2). In July 2019 a delimiting survey was undertaken where divers found further immature *Undaria* sporophytes in the immediate areas surrounding the initial incursion.

Current control efforts in Breaksea Sound and Chalky Inlet are geared toward reducing the potential environmental impacts of *Undaria* to Fiordland.

Agencies are now looking to move to a long-term management programme for *Undaria* in Fiordland.

Recommendation

It is recommended that Council resolve to:

1. approve the Chief Executive revoking the Controlled Area Notice for Breaksea Sound;
2. note the changes to the management of *Undaria* in Fiordland.

Report

Background

Undaria is an unwanted organism and a pest in the Environment Southland's Regional Pest Management Plan. *Undaria* is an annual algae species that forms dense monoculture beds in shallow rocky reef habitats. The high densities crowd out and displace native species of algae and sessile invertebrates causing harm to these habitats. This is likely to have substantial impacts on the environmental, economic, cultural, recreational and aesthetic values of the Fiordland Marine Area.

Environment Southland's regional objective for *Undaria* is to minimise or prevent adverse effects on the marine environment by:

- (a) progressively containing and reducing the geographical distribution or extent of *Undaria* within Southland to protect the Fiordland Marine Area;
- (b) prevent any further *Undaria* infestations within the Southland region.

Since 2010, ES, DOC, Biosecurity New Zealand (MPI) with support from the Fiordland Marine Guardians (FMG) have been working to eradicate *Undaria* from Sunday Cove in Breaksea Sound. In 2017 a secondary, widespread population of *Undaria* in an area of Breaksea Sound, was found. The widespread nature of the population and its proximity to popular mooring sites in Beach Harbour made it high risk that the infestation would spread further. A Controlled Area Notice (CAN) under the Biosecurity Act 1993 was put in place on 21 December 2017 (see Image 1). This notice was declared by ES with support from the FMG, DOC and MPI.

Current situation

Controlled Area Notice

The CAN was put in place as a "stop gap" measure to help reduce the risk of *Undaria* spreading from the population in Breaksea Sound to other areas of Fiordland. The CAN puts restrictions around vessels operating in Breaksea Sound including that:

- vessels may occupy the Controlled Area on a mooring for a maximum duration of 48 hours;
- anchoring in the Controlled Area is prohibited;
- no marine gear or equipment, including lobster pots, mooring lines and any other equipment to establish new moorings, may be transported out of the Controlled Area;

- dive gear used within the Controlled Area must be treated or dried prior to use outside of the Controlled Area, using one of the following methods:
 - dishwashing detergent 5% solution soak for one minute;
 - bleach 2% solution for one minute; or
 - hot water >60°C for one minute.
- all on-board residual seawater collected in the Controlled Area must be treated as above or discarded within the Controlled Area.

The boundary of the CAN was set up around the December 2017 extent of *Undaria* within Breaksea Sound. Unfortunately, *Undaria* has now spread beyond the boundary of the CAN and it is found along the northern coastline of Breaksea Sound (Map 1). Vessels mooring in Second Cove on the northern coast of the fiord are therefore not subject to the CAN but are potential vectors for *Undaria*.

The CAN's 48 hour mooring limit has proved to be hard to enforce, with agencies being unable to monitor the length of time vessels have used moorings within the controlled area.

The newly operative RPMP includes new rules to manage *Undaria*. Under the RPMP it is prohibited to possess, hold, enclose or otherwise harbour *Undaria*, including having *Undaria* growing on a vessel's hull, within the Southland region. Two exemption areas have been established, one around Southern Southland including Stewart Island and another in Breaksea Sound (Map 3). Owners of vessels must ensure that their hulls and equipment are free of *Undaria* before they move outside of the exemption area. Specifically:

- vessels must be free of *Undaria* when they leave the Southern *Undaria* Exemption Area and the Breaksea Sound *Undaria* Exemption Area;
- all marine gear and equipment, including but not limited to lobster pots, mooring lines and dive gear, must be free of *Undaria* when it leaves the Southern *Undaria* Exemption Area and the Breaksea Sound *Undaria* Exemption Area;
- all on-board residual seawater collected in the Exemption Area must be treated or discarded within the Southern *Undaria* Exemption Area and the Breaksea Sound *Undaria* Exemption Area.

Using the RPMP to manage the human spread of *Undaria* within Fiordland rather than the CAN is preferable because:

- it takes account of the current range of *Undaria* rather than the 2017 extent;
- it is easier to enforce than the CAN;
- it reduces the layers of legislation and confusion.

With the new RPMP in place, the control area has now been superseded and it is recommended that Council, as the management agency, approve the Chief Executive revoking the Controlled Area Notice (CAN).



Breaksea Sound Management

In Breaksea Sound the *Undaria* population is now extensive and well established. The existing control methods have been unsuccessful at eradication but have slowed/prevented the spread of *Undaria* into adjacent fiords, as well as limited the ecological damage to Breaksea Sound. The joint agency team are now working on long-term management options and possible funding approaches to continue the work.

Chalky Inlet

A second incursion in Chalky Inlet was found in April 2019. The Chalky Inlet incursion appears to be localised and very small (only one reproductive adult has been found). Initial control work removed all individuals found and the mooring line where the mature individuals were initially found growing upon. This infestation appears to have been found early enough that it has not been able to spread and establish beyond the first incursion point. Removal of all re-growth and individuals established from the suspected seedbank, before they mature should ensure a new population does not establish in Chalky Inlet.

Currently the Chalky Inlet *Undaria* incursion is in a response phase after the delimiting survey that occurred in July 2019. Every six weeks a team of divers has been returning to North Port to survey the immediate area where *Undaria* was initially found for any new recruits. On the last trip in August 2019 no new recruits were found, which is positive news.

Implications/Risks

No major implications or risks were established at the decision to remove the Controlled Area Notice.

With regard to long-term *Undaria* management, there are no major implications at this stage. Once a decision has been made on the long-term management of *Undaria* in Fiordland these will then be analysed.

Next steps

The purpose of this report is to provide Council with an update on activities regarding *Undaria* management in Fiordland.

The next steps are for ES to formally remove the controlled areas and develop communications to formally let Fiordland users know of the new rules for *Undaria* management under the new RPMP rules.

Once a decision has been reached on the long-term management of *Undaria* in Fiordland the decision will be presented to Council for its consideration. It is aimed to have a decision by the end of 2019.

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

Through the Fiordland Marine Guardians, Fiordland stakeholders are generally supportive of the Controlled Area removal and support the consideration of long-term management of *Undaria*.

Compliance with Significance and Engagement Policy

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

Considerations

Financial implications

Current budget

At this stage, the projects described in this report fit within the current marine biosecurity budget.

Future implications

Depending on the outcome of the adoption or rejection of a long-term management programme for *Undaria*, there is likely to be a need for additional resources from all agencies and partners involved (ES, DOC, MPI, FMG), however, this will be confirmed by the end of 2019.

Attachments

1. Image 1 – Breaksea Sound Controlled Area Notice.
2. Map 1 – Current Extent of *Undaria* within Breaksea Sound.
3. Map 2 – Location of *Undaria* incursion North Port, Chalky Inlet.
4. Map 3 – Southern *Undaria* Exemption Areas, RPMP.

Controlled Area Public Notice

Public Notice under the Biosecurity Act 1993 Section 131 – Controlled Area, Movement Controls and Procedures in respect of *Undaria*.

Commencement
This Notice takes effect immediately.

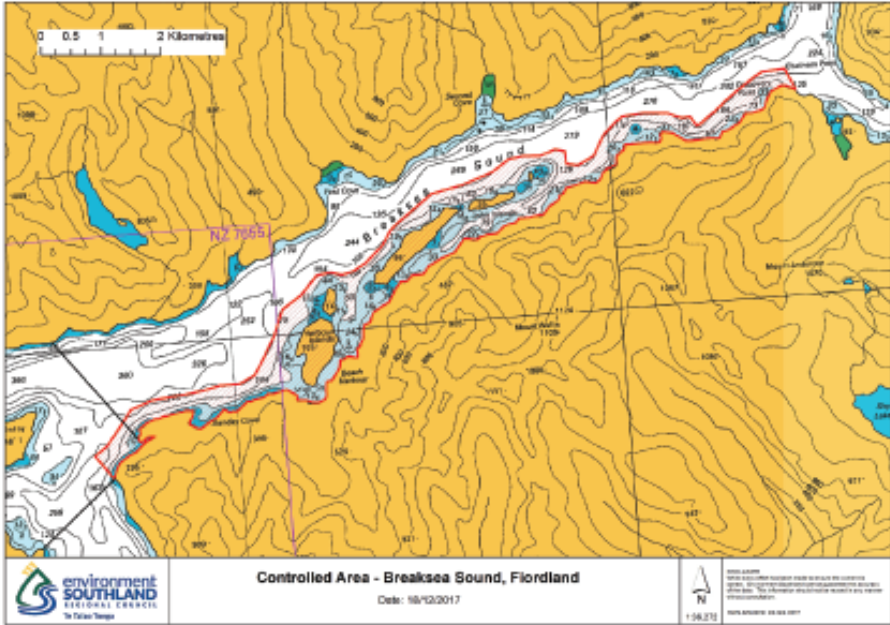
Controlled Area Declaration
Pursuant to section 131(2) of the Biosecurity Act 1993, Environment Southland hereby declares that the area defined as the Controlled Area on the Map in Schedule 1 ("the Controlled Area") is an area controlled for the purposes of section 131 in order to:


- Slow the movement and spread of *Undaria pinnatifida* (*Undaria*), being a pest in the Regional Pest Management Plan for Southland;
- Prevent the movement or spread of *Undaria* from within the Controlled Area to other areas in the Fiordland Marine Area;
- Minimise the damage caused by *Undaria*.

Notice of movement controls
Under section 131(3) of the Biosecurity Act 1993, Environment Southland hereby gives notice that, except in accordance with any conditions imposed by this notice or an authorised person acting under the Regional Pest Management Plan for Southland:

- Vessels may occupy the Controlled Area on a mooring for a maximum duration of 48 hours.
- Anchoring in the Controlled Area is prohibited.
- No marine gear or equipment, including lobster pots, mooring lines and any other equipment to establish new moorings, may be transported out of the Controlled Area.
- Dive gear used within the Controlled Area must be treated or dried prior to use outside of the Controlled Area, using one of the following methods:
 - Dishwashing detergent 5% solution soak for one minute;
 - Bleach 2% solution for one minute;
 - Hot water >60°C for one minute.
- All on-board residual seawater collected in the Controlled Area must be treated as above or discarded within the Controlled Area.

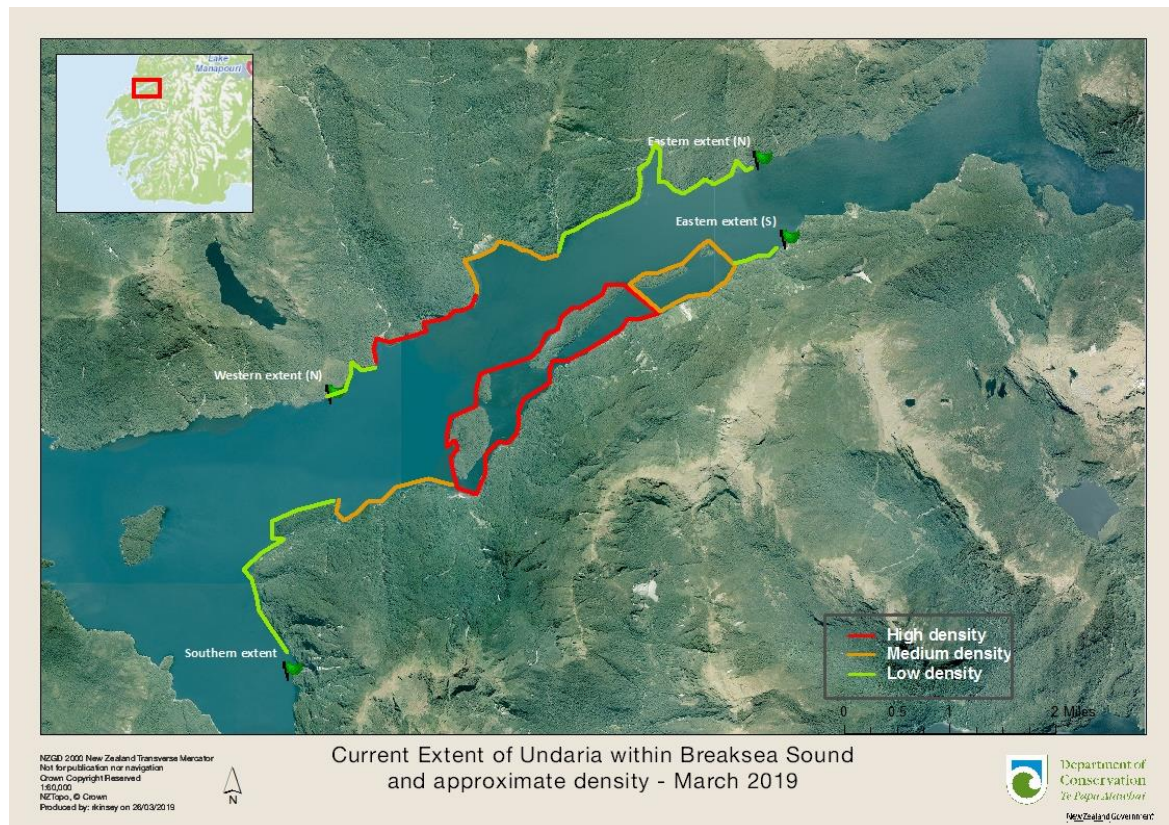
Signed 21 December 2017
R A Phillips
Chief Executive
Environment Southland



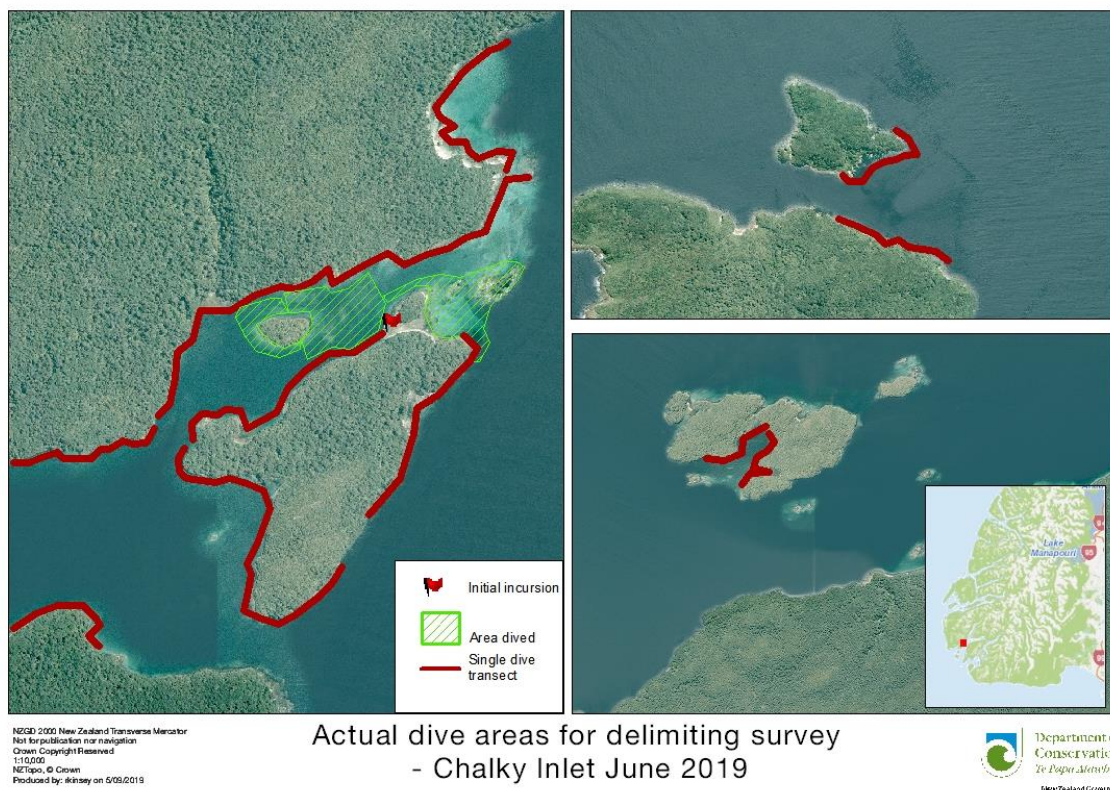

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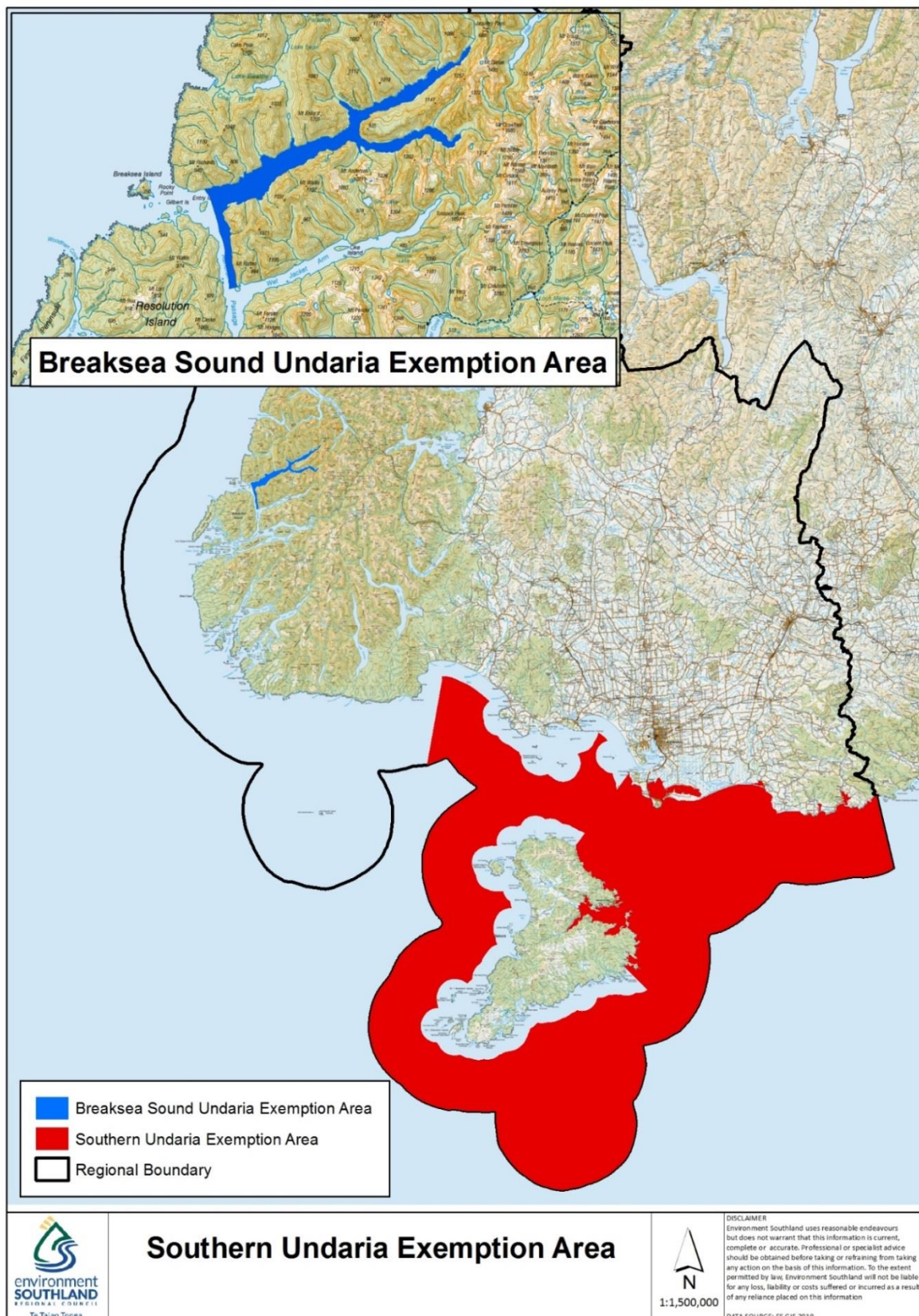
Image 1: Breaksea Sound Controlled Area Notice



Map 1: Current Extent of *Undaria* within Breaksea Sound, March 2019



Map 2: Location of *Undaria* incursion (red flag) North Port, Chalky Inlet and areas covered by delimiting survey in June 2019



Map 3: Southern *Undaria* Exemption Area, RPMP

Item 11 Biosecurity and Biodiversity Operations Annual Report

MORF ID: A492404	Strategic Direction: Refer to outcomes in table shown in body of this template
Report by: Ali Meade, Biosecurity & Biodiversity Manager	Approved by: Jonathan Streat, Director of Operations
Executive Approval: Jonathan Streat, Director of Operations	

Purpose

This item provides an update to Council on the biosecurity work programme, including the progresses towards the Regional Pest Management Strategy outcomes and the expansion of the biodiversity programme.

Summary

The Biosecurity and Biodiversity Operations Division has had a busy year with work programmes running under the Regional Pest Management Strategy (RPMS), whilst at the same time working on a transition to the new Regional Pest Management Plan (RPMP) and Biosecurity Strategy. The transition between the RPMS and the RPMP took longer than anticipated, which meant that some work was delayed, scaled down or changed from previous years.

Biodiversity has continued to be a key growth area with work focusing on a regional strategy and working with community groups. There has also been an increase in partnership work, especially in the predator free space.

Recommendation

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

Report

The Biosecurity and Biodiversity Operations Division has had a steady year working towards the outcomes within the current Regional Pest Management Strategy, as well as reviewing and developing a proposal for a new Regional Pest Management Plan. Details of the programme achievements are outlined in the programme tables below.

Southland Biosecurity Strategy and Southland Regional Pest Management Plan

Finalising the new Southland Biosecurity Strategy and Regional Pest Management Plan has been a priority for the 2018/19 financial year. Together, these two documents set the scene for how Environment Southland (ES) will oversee the management of biosecurity in Southland for the next 10 years. Both documents were publicly consulted on and the RPMP went through a formal consultation and hearing process. Both documents were completed in June 2019. No appeals were received and the RPMP became operative in July 2019.

Undaria Incursion in Chalky Inlet

A marine monitoring and compliance trip in April found *Undaria* at North Port in Chalky Inlet. The population is discrete from the Breaksea population and is being treated as a new incursion to Fiordland.

The incursion appears to be localised, to only one mooring line and only one reproductive adult has been found. Initial control work removed all individuals and the infested mooring line. This infestation appears to have been found early enough that it has not been able to spread and establish beyond the first incursion point. Staff are now working with the Department of Conservation and Biosecurity New Zealand on an incursion response plan.

Predator Free

There is a continuing increasing interest in predator free projects. Biosecurity and Biodiversity staff are now working with several groups that have aspirations for predator free areas. The team is also being approached more often for help with pest and outcome monitoring, as community groups want to better understand the impact their work is having. Highlights include:

- **Predator Free Rakiura:** ES has signed a formal MOU to continue to work towards making Rakiura predator free. The new Stewart Island/Rakiura rules in the RPMP were written to support this project;
- **Predator Free Southland:** ES has joined a partnership with Ngai Tahu, Department of Conservation (DOC), Invercargill City Council (ICC) and Gore District Council (GDC) to develop a Predator Free Southland Strategy and to support community groups who want to work towards predator free projects;
- **What next for Bluff project:** ES, DOC, ICC and South Port have been working with Bluff Hill Motupōhue Environment Trust and representatives from the local community to help determine the local community views and feelings on the expending the current pest control to cover a larger area of Bluff.

Emerging trends

Douglas fir is continuing to be planted in unsuitable areas with a lack of national and regional systems to adequately address the risk of wilding trees from these plantations.

Budget overview

Bio Programme Budgets	Actual \$	Budget \$	Evaluation
Compliance Plants	(1,757)	-	The Bio Programme budgets were \$290,000 underspent this financial year, which equates to approximately 11% of the annual budget.
Biosecurity - Strategy	220,261	305,837	
Pest Plants - Progressive Containment	131,281	183,065	
Mid Dome Wilding Trees	123,820	106,535	The under-spend was due to the Biosecurity Strategy and RPMP becoming operative later in the financial year than anticipated. This delayed the implementation of the associated
Pest Plants - Sustained Control	88,828	159,252	
Pest Plants - RPMP	31,825	73,323	
Velvet Leaf	(4,750)	-	
Policy	204,978	138,209	

Bio Programme Budgets	Actual \$	Budget \$	Evaluation
Marine Pests - RPMP	190,014	202,903	projects. This especially affected the Gorse, Broom, Nodding Thistle and Ragwort compliance programmes which were scaled back to help transition the programmes from the RPMS to the RPMP.
Monitoring	184,694	218,725	
PCA	776,576	805,725	
Pest Animals - Site Led	5,393	22,075	
Pest Animals - RPMP	29,172	42,001	
Waituna Pest Control	1,797	-	
Pest Plants - Site Led	15,907	28,628	
Biodiversity	387,925	391,468	
Total	2,385,964	2,677,746	



Programme tables: Overview of Bio Programme Activities and Achievements 2018/19

Possum Control Areas (PCAs)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
Assist landowners to maintain low levels of possums and to minimise the adverse effects of possums in the region	Set up new PCA areas	4 new PCAs covering approx. 24,300 ha were successfully established with initial control and implementation completed. There may be less PCAs established in the 2019/20 year due to an increased focus on looking at how and where multi pest control will be implemented into the existing PCA programme as well as supporting predator free initiatives.	Achieved
	Engage contractors to carry out initial possum control when/where required	All 4 new PCAs had initial control successfully completed.	Achieved
	PCA maintenance implemented	All planned PCAs had possum maintenance co-ordinated. The total area of 338,000 ha covering roughly 1,900 properties are now included within the PCA programme.	Achieved
	Provide advice, assistance and best practice to landowners	This work is ongoing. Approximately 1,600 individual landowners are engage with the work.	Achieved
	Plan new PCAs based on Biodiversity values and benefits	This work is currently underway and will be ongoing as the biodiversity programme develops.	Progressing
	Liaise with TB Free/OSPRI/Partnerships	This work is ongoing. Joint transfer of information and discussion on programmes and communication opportunities. Staff attended local TB committee meeting.	Achieved, but lack of interest in transitioning actively
	Initiate multi-species control within a PCA	The Waituna PCA is being used as the first trial for the integration of multi-species pest control into a PCA. The trial is using new celium technology attached to mustelid traps	Progressing



Possum Control Areas (PCAs)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		<p>that will notify landowners when the traps have caught something and the traps need checking.</p> <p>The flat landscape of the Waituna catchment has caused some technical connectivity challenges with the wireless technology struggling to reach all of the traps. The team are working with the system developers to solve the issues.</p> <p>ES has joined into a partnership with the Department of Conservation, Ngai Tahu and Gore District Council, Invercargill City Council to progress a regional Predator Free Strategy for Southland. This new partnership will help ES integrate multispecies pest control into the existing PCA programme and to combine efforts with other Predator Free initiatives.</p>	

Pest Animals (Exclusion, Eradication, Containment and Suppression excluding the PCA programme)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To ensure pest animals are managed according to their classification in the RPMP	Respond to service requests and public enquiries. Provide best pest management advice, information and support in a timely manner.	<p>The animal team received 48 service request and public queries through the ES phone or email service.</p> <p>In addition to these requests the team carried out a large volume of unrecorded discussions with farmers in the field on pest control matters.</p>	Achieved
	Exclusion animal pest reports acted on.	<p>No wallaby reports were received during 2018/19.</p> <p>2 rook reports for were received. Both reports were unconfirmed.</p>	Achieved
	Traps are loaned out where required/requested	<p>24 traps were loaned out to members of the public for RMPS pest species. Additional advice and information also provided to enquiries.</p> <p>Following review of the RPMP and Biosecurity Strategy the pest trap loan system will be discontinued for the general public from 1 July 2019. Staff will continue to provide best</p>	Achieved



Pest Animals (Exclusion, Eradication, Containment and Suppression excluding the PCA programme)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		practice information including where people can go to as an alternative. Options for trap supply will also be investigated to assist public with their pest issues.	
	Provide support and cooperation to DOC's Tahr survey/partnership	Annual meeting with DOC staff held. ES contributed \$1,800 to DOC aerial tahr survey which accounted for six tahr in the Eyre Mountains, inside the Otago/Southland boundary.	Achieved
	Issue permits for exclusion pests	1 Bengal cat permit issued. 1 Chinchilla permit issued.	Achieved
	Communicate pest issues via communication channels	Radio has been a focus for communication this year. Radio chats on the Hokonui Muster, plus advertisements about rabbits, rooks and mustelids have been run on Hokonui Gold throughout the year.	Achieved

Pest Animals – Site Led			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To minimise pest impacts at high value sites within the Southland region.	RPMP site led project implementation	The project could not be implemented until the RPMP became fully operative. Work has therefore focused on planning. The project will be implemented in the 2019/20 financial year.	Progressing
	Support community groups/partnerships in their objectives to control pests.	Provide technical support to groups, assist with field days or control device deployment. Attend Predator Free meetings, Rakiura, Bluff. Partnership meetings with DOC and other agencies.	Achieved
	Assist community groups with monitoring control effectiveness.	See monitoring report below.	N/A



Pest Plants (Exclusion, Eradication, Containment, Suppression and Risk Assessment species excluding Wilding Conifers)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To prevent the incursion and establishment of exclusion plant species	Investigate reports of Exclusion plants in Southland	No reports of Exclusion plants were received during 2018/19.	No change
	To support the Check, Clean, Dry programme and other initiatives for aquatic pests	<p>Provided funding and support for the Check, Clean, Dry Programme. The programme has employed an advocate to engage with the public.</p> <p>Worked with MPI and other stakeholders as part of the lower South Island Freshwater Biosecurity Partnership Group to help prevent movement of aquatic pests into the region.</p> <p>Supported the completion of the Envirolink Tools project to develop Best Practice guidance for aquatic weed surveillance, monitoring and control.</p>	Achieved
To eradicate high risk plants and pathogens from Southland	Communicate pest issues via media and website	<p>Newspapers and Radio chats have been utilised throughout the year for pest plan communications including:</p> <p>1 x Enviroweek – Old man’s beard and Purple loosestrife 1 x Enviroweek – Potato wart 1 x Southland Express – Potato wart 1 x Hokonui Chats – Old man’s beard and purple loosestrife 2019 1 x Bluff Beacon – German ivy 1 x Stewart Island News – Gunnera</p>	Achieved
	Monitor Old man's beard sites, and carry out control as required	<p>The programme continues to monitor bush and forest margins alongside the estuary in Otatara and golf course in Otatau. These areas present high risk of invasion from Old man’s beard if it were to become established.</p> <p>There are 178 total management sites, as follows:</p> <p>5 new sites 23 active sites 80 surveillance sites</p>	Achieved



Pest Plants (Exclusion, Eradication, Containment, Suppression and Risk Assessment species excluding Wilding Conifers)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		35 historic sites 35 not checked sites.	
	Monitor German ivy sites, & carry out control as required	<p>One large site of German ivy along the Bluff foreshore was active, however it was not controlled due to the area being so large and control being difficult. A detailed control plan has therefore been developed in conjunction with ICC and Roding NZ. The Bluff community has also been informed. The control work will be completed during the 2019/20 season, with these areas planted out in the following season.</p> <p>The reminder of the active sites were controlled twice over the season, once using mechanical means and the second following up with herbicide control.</p> <p>There are 22 total management sites, as follows:</p> <ul style="list-style-type: none"> 0 new sites 13 active sites 7 surveillance sites 0 historic sites 2 not checked sites. 	Achieved
	Monitor smilax sites, & carry out control as required	<p>The lack of active sites within the region implies that this programme has being successful at eradicating smilax from Southland. However, the sites' needs will continue to be monitored for several more years until eradication can be confirmed. The programme will continue to monitor the known Smilax site every three years.</p> <p>There are five total management sites, as follows:</p> <ul style="list-style-type: none"> 0 new sites 0 active sites 1 surveillance site 2 historic sites 2 not checked sites. 	Achieved



Pest Plants (Exclusion, Eradication, Containment, Suppression and Risk Assessment species excluding Wilding Conifers)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
	Monitor Purple loosestrife sites, & carry out control as required	<p>One new site of Purple loosestrife was located in the 2018/19 season. 16 sites were classified as Historic, which means no plants had been found on the properties for over five years and further control is not required.</p> <p>There are 33 total management sites, as follows:</p> <ul style="list-style-type: none"> 1 new site 3 active sites 2 surveillance sites 17 historic sites 10 not checked sites. 	Achieved
	Potato wart: Deliver annual awareness and reporting programme for MPI/Potatoes NZ	<p>Advertising for potato planting and harvesting seasons completed.</p> <p>Three reports received and investigated. All negative for Potato wart.</p>	Achieved
To eradicate Gunnera from Stewart Island	Monitor Gunnera -Stewart Is sites, and carry out control as required	<p>Gunnera control work on Stewart Island was completed in late January-February to enable detection of seedlings and juveniles after the majority of seed has germinated. A boat survey around the coast was carried out. The use of a drone is being investigated to search hard to reach areas.</p> <p>Eradication of gunnera from Stewart Island is no longer deemed to be feasible. Under the new RPMP the programme's objective is to progressively contain and reduce the geographic distribution on gunnera.</p> <p>There are 172 total management sites, as follows:</p> <ul style="list-style-type: none"> 4 new sites 30 active sites 72 surveillance sites 0 historic sites 66 not checked sites. 	Progressing



Pest Plants (Exclusion, Eradication, Containment, Suppression and Risk Assessment species excluding Wilding Conifers)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To prevent the spread of Containment pest plants in the region	Communicate pest issues via media and website	One Darwin's barberry advertisement in the local newspaper to remind people to do control.	Achieved
	Stewart Island Darwin's barberry control programme	<p>The Department of Conservation and Stewart Island Rakiura Community and Environment Trust carry out control work for this programme.</p> <p>ES provided \$5,000 directly to DOC to carry out work.</p> <p>The ES team directly assisted SIRCET with communication with landowners and access to a number of properties for Darwin's barberry control funded by the DOC Community Fund.</p>	Achieved
	Manapouri Darwin's barberry control programme	<p>Follow-up control was completed in all blocks along the foreshore.</p> <p>Initial control was completed under the DOC Community Fund in three blocks, one north and two south of the foreshore. Follow-up control will continue in the next financial year.</p> <p>Repeat follow-up control of all blocks along the Manapouri foreshore will be required. Once no seeding plants remain it is possible to change control to every two or three years.</p>	Achieved
	Reed Sweetgrass control	<p>Populations on the Makarewa River, Makarewa Stream and along the Waiau system were controlled.</p> <p>The infestation on the Oreti River was surveyed but further survey work is required to understand the full extent of the population.</p>	Progressing
	Lagarosiphon programme	<p>One report received of Lagarosiphon outside known distribution. The report was investigated and found to be a native aquatic species.</p> <p>Contribution made to annual lakes and rivers survey organised by DOC Te Anau. Sites surveyed remain clear of Lagarosiphon.</p>	Achieved



Pest Plants (Exclusion, Eradication, Containment, Suppression and Risk Assessment species excluding Wilding Conifers)			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To investigate and monitor and where appropriate control the impacts of high risk plants which have the potential to become significant pests in Southland.	Communicate pest issues	Talks to community groups and SIT on weeds and the need for control.	Achieved
	Buddleia programme - Waiau	<p>Inspections were completed at known Buddleia sites in the Waiau catchment – control was completed by staff or contractors.</p> <p>Buddleia along Whare Creek was partially inspected, however due to access restraints the whole area was not searched.</p> <p>Continued Buddleia control along the Waiau River, along with aerially surveillance of Whare Creek is required.</p>	Achieved

Pest Plants - Wilding Conifers			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To reduce the impact of Wilding Conifers on the Southland Region	To support the Mid Dome Wilding Trees Charitable Trust to deliver a work programme	<p>Co-ordinated review and input into the 2018/19 Mid Dome operational plan by a technical advisory group.</p> <p>Co-ordinated administrative support and financial reporting for the Trust, including employing a part time administrator for the trust.</p> <p>Organised two volunteer work days (1 cancelled due to weather conditions).</p>	Achieved
	Regional Fund-holders for the National Wilding Conifer Programme	<p>Provided oversight and reporting as part of the regional fund-holder role for the National Wilding Conifer Control Programme.</p> <p>Provided input into National Wilding Conifer Programme budget bid for 2019.</p>	Achieved



Pest Plants – Compliance			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To reduce the cross boundary impacts of Regional Pest management Strategy pest plants (i.e. gorse, broom, nodding thistle, ragwort and Pinus contorta) by enforcing the regional pest management strategy rules.	Communicate pest issues via media and website	<p>Newspapers and Radio chats have been utilised throughout the year for pest plan communications including:</p> <ul style="list-style-type: none"> 2 x gorse and broom newspaper articles or advertisements 3 x Nodding Thistle newspaper articles or advertisements 3 x ragwort newspaper articles or advertisements 3 x pest plant Hokonui radio chats 2 x pest plant radio advertisements. 	Achieved
	Urban Gorse and Broom (UGB) inspection programme	<p>1,408 inspections in 23 urban areas, as follows:</p> <ul style="list-style-type: none"> No work required = 696 (49.43%) Minor = 651 (46.24%) Medium = 59 (4.19%) Severe = 2 (0.14%) <p>406 no work required sites from 2017/18 were removed from programme prior to 2018/19 inspections either due to sections being developed or because sections have been compliant for multiple years and are no longer considered a risk.</p> <p>61 newly discovered infestation sites (57 minor, 4 medium). Of these, two minor infestations came to staff's notice via complaints. All other new sites were discovered by Biosecurity officers.</p>	Progressing



Pest Plants – Compliance			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		<p>There are 712 infestation sites, with:</p> <ul style="list-style-type: none"> • 46 Notices Of Direction issued • 4 default action undertaken (1 x possible addition – in progress). <p>15 service requests were received:</p> <ul style="list-style-type: none"> • 14 complaints (13 resolved; 1 progressing - ICC) • 1 request for advice (Resolved) • 1 complaint still in progress (ICC) from 17/18. All other 17/18 UGB complaints & issues now resolved. <p>No new Statutory Land Charges have been placed on debtor properties.</p> <p>1 Statutory Land Charge released: debt of \$794.27 paid to ES on sale of property.</p> <p>2 Urban Gorse and Broom complaints are unresolved:</p> <ul style="list-style-type: none"> • 1 x 2018/19 complaint in Bluff (ICC responsible party) – initial control work done, requires spring re-inspection. • 1 x 2017/18 complaint on Bluff Highway (ICC responsible party) – initial control work done and recent additional herbicide control. Awaiting spring re-inspection. <p>1 Urban Gorse and Broom programmed inspection properties unresolved (progressing).</p>	
	Rural gorse and broom complaints	<p>28 service requests received</p> <ul style="list-style-type: none"> • 22 complaints: 19 resolved; 3 progressing • 6 requests for advice (All resolved) • 2 Notice of Directions issued • 0 default action required. <p>3 Rural gorse & broom complaints unresolved</p> <ul style="list-style-type: none"> • 1 x near completion (95% done) 	Progressing



Pest Plants – Compliance			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		<ul style="list-style-type: none"> 1 x deceased owner [no probate, working with tenant] 1 x owners verbally agreeing to do work, near completion (95% done). 	
	Nodding thistle inspection programme	<p>Restricted programme due to allowing for a transitional phase from the RPMS to the RPMP. Targeted inspections of known properties & all service requests responded to.</p> <p>136 site inspections</p> <ul style="list-style-type: none"> No work required = 93 (68.38%) Minor = 41 (30.15%) – 3 of which are new to the programme Medium = 2 (1.47%) <p>6 service requests - all resolved</p> <ul style="list-style-type: none"> 4 complaints <ul style="list-style-type: none"> 2 x from requestors directly & adversely affected. no sites outside the inspection programme 2 requests for advice <p>12 occupiers contacted</p> <ul style="list-style-type: none"> 11 met in person 1 via phone 9 Pest Control Programmes (PCP) issued <p>No Notices of Direction were issued and no default action was required.</p>	Achieved
	Ragwort inspection programme	<p>Restricted programme due to allowing for a transitional phase from the RPMS to the RPMP. During the 2018/19 year we have responded to service requests only.</p> <p>14 site inspections</p> <ul style="list-style-type: none"> No work required = 0 Minor = 13 Medium = 1 	Achieved



Pest Plants – Compliance			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		<p>10 service requests - All resolved</p> <ul style="list-style-type: none"> • 8 complaints <ul style="list-style-type: none"> ▪ 7 x from requestors directly and adversely affected ▪ 4 x complaints re sites outside the inspection programme • 2 requests for advice <p>6 occupiers contacted</p> <ul style="list-style-type: none"> • 3 met in person • 3 via phone • 3 Pest Control Programmes (PCP) issued <p>3 Notices of Direction issued to owners relating to two complaints, no default action was required.</p>	
	Wilding conifer compliance	<p>Liaised with all landowners/occupiers.</p> <p>Aerial monitoring of wilding trees undertaken in May. Monitoring covered five properties east of the Mataura River, in the Mid-Dome programme area. Landowner control is being successful on most properties, however, two properties have significant infestations in a couple of localised sites. Feedback and results from the monitoring have been provided to all landowners.</p>	Achieved



Marine Pests and Fiordland Marine Pathways Plan			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
Eradicate <i>Undaria</i> from Breaksea	<i>Undaria</i> Control– Breaksea Sound	<p><i>Undaria</i> containment trips were completed.</p> <p><i>Undaria</i> has continued to spread within Breaksea and has now been found outside the Controlled Area on the northern coast of the Fiord. Eradication of <i>Undaria</i> from Fiordland is no longer possible with current control tools. The joint agency group is therefore developing some long-term options for future management.</p>	Regressing
To protect Fiordland from Harmful species and pests by implementing and enforcing the Southland Regional Pest Management Strategy and Fiordland Marine Regional Pathway Management Plan	Surveillance & compliance – Southland Regional Pest Management Plan and Fiordland Marine Regional Pathway Management Plan	<p>In December 2018 and April 2019 joint-agency compliance patrols were carried out in Fiordland:</p> <ul style="list-style-type: none"> • 50 vessels were intercepted - of these 38 had hull inspections • 1 vessel was found to be in breach of the FMPP clean hull standard and was suspected to carrying Mediterranean fanworm (<i>Sabella spallanzanii</i>) which is also in breach of the RPMS. A notice of direction was issued and the vessel was hauled out and cleaned in Bluff. • 14 vessels did not have a current clean vessel pass • Inspection cost recovery implemented for non-complaint vessels without CVP. <p>Otago University summer marine pest surveillance programme</p> <p>Bluff Harbour surveillance and monitoring, no new marine invasive species detected.</p> <p>Generally high compliance with Pathway Plan, however some slow to adopt Clean Vessel Pass (CVP).</p>	
	Clean Vessel Pass (CVP)	<p>293 CVPs were issued, compared to 203 in 2017/18 CVPs:</p> <ul style="list-style-type: none"> • Included commercial, recreational fishing, charter vessels, yachts and kayaks. • Homeport for majority of vessels was identified as Southland (Inc. Rakiura) or Fiordland. • 27% of vessels were from areas outside Southland. • Most vessels from outside were from Nelson/Marlborough, Otago and Christchurch regions. • Less than 5% of vessels were from North Island ports. 	Progressing



Marine Pests and Fiordland Marine Pathways Plan			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		<ul style="list-style-type: none"> Less than 1% were international vessels. Recreational vessels made up most passes (approx. 50%), fishing vessels (20%), charter (approx. 10%) rest were other vessels (kayak, service vessels etc.) Vessel lengths were 50% 1-10m (recreational vessels), 20% 10-15m and 30% 15-40m. One vessel was above 100m, and could have been a data error. Gross tonnage was from less than 10 to over 1500 (research vessel). 	
	Communications	<ul style="list-style-type: none"> Southland Boat Show. Marine biosecurity workshops for stakeholders. Presentations at Southern Institute of Technology, Xth International Conference on Marine Bioinvasions (ICMB-X) in Argentina, NETS. Hokonui Radio Chat- Fiordland Compliance and Clean Vessel Passes. April 2019. General advertising of marine biosecurity and in boating magazines. 	Achieved
	Additional	<ul style="list-style-type: none"> Scoping Bonamia long-term management Scoping Southland Marine Pest Surveillance and Monitoring Plan. Envirolink report – Control of <i>Undaria pinnatifida</i> in Breaksea Sound, Fiordland NES for aquaculture – biosecurity management plans. 	Achieved

Marine Incursion – Chalky Inlet			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
Incursion response	<i>Undaria</i> Response- Chalky Inlet	<ul style="list-style-type: none"> In April 2019, one mature and 19 immature <i>Undaria</i> found growing on mooring line in North Port, Chalky Inlet on joint agency surveillance and compliance trip. Delimiting survey completed in June 2019 found 29 immature <i>Undaria</i> in same location as original incursion. Final draft of Chalky Inlet <i>Undaria</i> decision paper completed. Awaiting joint agency decision on future management. 	



Biosecurity Monitoring Programmes							
Programme Objective	Programme Activity	2018/19 Outcomes				Evaluation	
Inform management decisions as part of PCA programme	Possum Monitoring	Nine PCAs, Omaui Reserve, Bluff Peninsula and the Pourakino area were monitored this year. This was split between eight contractor Trap Catch monitors and five student Waxtag monitors.				Achieved	
		Residual Trap Catch (RTC) targets vary depending on the monitor. High RTC results are used to inform ES, landowners and contractors where additional control is required.					
		Possum Waxtag Monitor Results from the 2018/19 year.					
		Site	Hectares	BMI	Approximate RTC Equivalent		Action based on results
		Turnbull PCA	5,189	62%	15.5%		Further targeted control work was completed by contractor
		Glencairn PCA	5,703	23%	4.5%		On target no action required
		Caroline PCA	8,101	24%	4.5%		On target no action required
		North Range PCA	8,203	62%	15.5%		Further control work was completed
		Waimatuku area	7,518	49%	11.5%		Pre control information monitor
		Possum RTC Monitor Results from the 2018/19 year.					
		Site	Hectares	RTC	Action based on results		
		Waituna PCA	6,630	1.7%	On target no action required		
		Dipton PCA	6,236	0.8%	On target no action required		
Kapuka PCA	6,314	1.6%	On target no action required				
Turnbull PCA	5,189	15.9%	Further control work was completed				
Tomogalak PCA	7,495	2.2%	On target no action required				
Pourakino Area	5,704	17.0%	Pre control information monitor				
Bluff Peninsula	900	0.3%	On target no action required				



Biosecurity Monitoring Programmes						
Programme Objective	Programme Activity	2018/19 Outcomes				Evaluation
		Omaui Reserve	220	14.1%	Further control work is being completed by the community group	
Provide community groups with outcome monitoring (Rodents and Birds)	Rodent Monitoring	All regular rodent monitoring projects complete on time (Omaui, Bluff, Mores, Bushy Point, Te Rere, SIRCET area and LMC). Two new lines established in Otatara Scenic Reserve. Chew card monitoring also complete at Island Harbour. Monitoring plan designed as part of Predator Free Bluff project.				Achieved
	Five Minute Bird Counts	The five monitored sites were all monitored however due to Lloyd's availability and weather, some counts were complete in January instead of December. Kakariki continue to flourish in the reserves. All data uploaded to eBird. This project may change if new Biodiversity Indicator requirements are introduced.				Achieved
Up to 10 rabbit inspection sites completed.	Rabbit Monitoring	This project has continued to reduce in size with only two properties inspected this year, based on complaints and the limited need to revisit previously inspected high rabbit sites. Staff were able to complete this work without additional contractors required.				Achieved
	Bi annual customer phone survey	A survey was not completed in 2018/19.				N/A
	Database research and maintenance	We are constantly looking into ways we can better manage our information within the team and across council. Data collection and curation is being addressed through the ES way project.				Progressing



Biosecurity Strategy			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To manage harmful organisms within the region that are not pests within the RPMP	Provide advice and information on harmful species	<p>68 animal IRIS requests & public queries. More impromptu phone calls, discussions in reception & field</p> <p>125 plant IRIS requests recorded. Further advice provided for impromptu phone calls, discussions in reception and in the field.</p> <p>Business rules are being developed and implemented for recording impromptu requests for advice and information</p> <p>ES is the Envirolink champion for Find-A-Pest biosecurity surveillance app that will aid pest surveillance and incursion response</p>	Achieved
	Provide a trap loan system for harmful species	159 IRIS requests for animal trap loans (excluding pests). Advice & info also given, training provided for trap and control devices given out.	Achieved
	Provide communications to public on pest effects, best practice control information	Various communications via communications team e.g. Envirosouth, Enviroweek, Southern Rural Life, Southland Express, Ensign, Hokonui radio chats and advertisements.	Achieved
	Biocontrol	<p>190 release sites monitored (includes 57 Broom gall mite, 37 Green thistle beetle, 35 Ragwort flea beetle, 15 Ragwort plume moth).</p> <p>29 releases made (includes 15 Green thistle beetle, 3 Broom gall mite, 2 Ragwort flea beetle, 2 Ragwort plume moth).</p>	Achieved
	National Pest Plant Accord	<p>All 44 known NPPA sites in Southland inspected (2 sites newly added)</p> <ul style="list-style-type: none"> 1 x case non-compliance detected (yellow flag iris) & resolved 	Achieved
	Regional Weed Survey	A review of this survey determined that it is not providing robust weed information. A decision was therefore made to discontinue this programme.	N/A for 2018/19



Biosecurity Strategy			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To prevent the establishment of Velvetleaf in Southland	Support the national (MPI led Velvetleaf programme)	<p>One report of Velvetleaf received - negative</p> <p>Provided support to Velvetleaf co-ordinators engaged by MPI to contact landowners/occupiers who have farm management plans.</p> <p>Provided support for the SFF project investigating management options for Velvetleaf.</p>	Achieved

Biodiversity Programme			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
To promote the protection and enhancement of biodiversity values in the region.	Communications	<p>Full scan and refresh of website material.</p> <p>1 x newspaper advertisement and 2 x Facebook post for Garden Bird Survey.</p> <p>Revegetation workshop with 65 attendees.</p>	Achieved
	Support community groups	<p>Groups supported:</p> <ul style="list-style-type: none"> • Rural Women and Dipton Landcare Group (Castledowns wetland) <ul style="list-style-type: none"> ▪ Technical Advice ▪ Possum and rodent control support • Hollyford Conservation Trust <ul style="list-style-type: none"> ▪ Rodent Monitoring ▪ Technical Advice ▪ Financial support • Bluff Hill/Motupōhue Environment Trust <ul style="list-style-type: none"> ▪ Technical advice ▪ Outcome monitoring • Omaui Landcare Trust <ul style="list-style-type: none"> ▪ Technical advice ▪ Trap Maintenance 	Achieved



Biodiversity Programme			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
		<ul style="list-style-type: none"> ▪ Outcome monitoring • Otatara Landcare Group <ul style="list-style-type: none"> ▪ Financial support ▪ Outcome monitoring • Otatara Pestbusters, <ul style="list-style-type: none"> ▪ Technical advice monitoring, ▪ bait procurement, ▪ Publicity and a newsletter ▪ Southland Community Nursery ▪ Financial support ▪ Biodiversity workshop • Aparima Pestbusters <ul style="list-style-type: none"> ▪ Technical advice ▪ Rodent and possum Monitoring ▪ Staff help on 2 bait lines ▪ Bait procurement • Stewart Islands/ Rakiura Community and Environment Trust (SIRCET) <ul style="list-style-type: none"> ▪ Technical advice • Southland Ecological Restoration Network (SERN) <ul style="list-style-type: none"> ▪ Website and publicity support ▪ Field trip transport • Forest and Bird - Te Rere <ul style="list-style-type: none"> ▪ Planting day support/logistics support ▪ Rodent Monitoring • South Catlins Charitable Trust <ul style="list-style-type: none"> ▪ Biodiversity and pest control and planting advice ▪ In field animal pest control advice for Yellow Eyed Penguin habitat restoration. 	
	Survey and report 30 new HVAs	32 HVA surveys covering 8,000 ha completed	Achieved



Biodiversity Programme			
Programme Objective	Programme Activity	2018/19 Outcomes	Evaluation
	Disburse EEF	<p>Programme has been reviewed and updated with closing date of 31 May 2019.</p> <p>2018-2019 projects included”</p> <ul style="list-style-type: none"> • 6 private landowners successfully completed projects. • 1 private landowner surrendered funding as they were unable to undertake any planned works. • 4 private landowners carried over to 2019/20 due to late application and project timeframes. 	Achieved
	Lower Mataura Biodiversity Management Plan	<p>First section of revegetation planting in O’Neill’s A covenant completed.</p> <p>Good nature traps purchased for wetland placement in 2019/20.</p>	Achieved
	Biodiversity Southland	<p>Three Biodiversity Southland Forum meetings were held.</p> <p>A subgroup of Biodiversity Southland has continuing to draft the Collaborative Southland Biodiversity Strategy.</p>	Achieved
	Terrestrial Biodiversity Monitoring Project	<p>ES is working with the other Regional Councils and Unitary Authorities to progress this at a national level rather than as part of a regional programme.</p> <p>If Tier 1 biodiversity monitoring is adopted it will require significant staff time and funding.</p>	No Change
	Apply the national prioritisation and zonation tools to Southland to help with decision making	<p>First drafts have been completed for biodiversity prioritisation and zonation. Finalising this work will be a priority for 2019/20.</p>	Progressing

Item 12 Annual Report of the Land and Water Services Division

MORF ID: A495178	Strategic Direction:
Report by: Fiona Young, Land and Water Services Manager	Approved by: Jonathan Streat, Director of Operations
Executive Approval: Jonathan Streat, Director of Operations	

Purpose

To detail the work programmes and projects that the Land and Water Services Division has been working on in the 2018/19 financial year.

Summary

The Land and Water Services Division provides information and education to the community for brave environmental action. It has three key work areas - Land Sustainability, Pollution Prevention (including Contaminated Land and Hazardous Substances) and Environmental Education. The division also works to implement a range of programmes that contribute to achieving the outcomes of Council objectives.

Community Partnerships (LAWS)	Facilitate connection between Council and the Southland community	From annual survey (Operations Directorate) of target interest groups and agencies, percentage of respondents working with LAWS on community partnership initiatives	%age of respondents actively engaged with LAWS staff.	Delayed
	Provide land management advice and education for sustainability to rural and urban Southland	Provide land management advice (including forestry advice) to agricultural and agri-business individuals.	100,000 hectares per year	Achieved
		Provide learning and action opportunities for EnviroSchools (and other schools) to participate in.	4 events per year	Achieved
	Work with the Southland community to identify and investigate opportunities to improve environmental practices	Land and Water Services Staff all attend at least one event per year to learn about new or innovative practices	One event per year	Achieved
	Maintain contaminated land database and provide information to land owners and developers	Respond to Selected Land Use Site enquires within 10 working days	100% of enquiries responded to within ten working days.	Achieved

This report details the important work that the division has done over the past year and provides short commentary on these projects and the next steps and consideration of future work.

Recommendation

It is recommended that Council resolve to note the report.

Report

Introduction

The Land and Water Services Division hold a range of skills that it employs in a wide variety of work areas. Team members in the division possess skills and expertise in land and nutrient management, contaminated land and hazardous substance management and education for sustainability.

The division has used these skills and expertise to help achieve Council objectives in 2018/19 by:

- interacting with and educating the community and increasing awareness around environmental sustainability;
- providing on-farm and on-site advice on sustainable land management;
- being recognised as a professional and accurate source of information.

The division works in the community in many ways, helping to cultivate its presence as a core part of the Southland community. This includes helping to facilitate catchment group meetings, visiting schools and kindergartens and meeting with farmers and members of the public.

Observations

The past year has been another of constant change with a reinvigorated interest by the Government in regulatory frameworks, continued strengthening of community interest and resolve for better environmental outcomes (including a desire to act and engage), and increased requests from within the organisation and across the community to support projects. Whilst the focus is to “engage, educate and empower”, staff have been working within the division and across the organisation to maintain skillsets, build business processes and create a strong multidisciplinary team.

The division now works in two teams that consist of a mix of land sustainability and education officers, reflecting that our community does not make the “skillset distinctions” that we as an organisation have made in the past. Where the activities of Contaminated Land, Pollution Prevention and Hazardous Substances sit is still to be properly resolved; noting that they have been with the division since its inception five years ago.

At the time of writing this report the Essential Freshwater Package has been announced, the community is seeking to understand the impact on their business or whether it meets the needs and outcomes they had hoped for. To prepare for this, over the 2018/19 year the LAWS Team started evaluating its key programmes and will seek to make changes in this financial year. This information will be presented to Council in due course, but key elements include:

- **Targeted catchments programme** – using state and trend information to determine where particular attention should be focused (urban and rural). Utilising all our community connection and new ways of working to implement practices and undertake monitoring to show effectiveness;
- **Focus Activity Report** – a significant revision to a core project that ensures we are meeting the needs of the Council and community, but staying away from regulatory processes. Important elements such as provision of biophysical information, application of good management practices, and linkages to science knowledge (state/trends) will be retained. Measuring outputs will be another key element of this work;
- **Enviroschools strategy and Hubs** – a new strategy has been developed to retain focus on the guiding principles and the kaupapa of the programme, but with the intent to engage in a way that meets the wider organisation needs. A community hub in the Gore area is underway, and a similar approach in the Invercargill area is starting. The vision is to connect schools, catchment groups, iwi, community and the territorial authority for that area.

Another element of the 2018/19 financial year has been a dramatic increase in funding opportunities from central government. The division has sought to approach these strategically, connecting across Council and with other agencies to prepare applications for funding that align with Council's direction. This has been a mixed bag. The Aparima project was unsuccessful in its application to the Sustainable Farming Fund – increasingly it seems that we were very unlikely. A new application is currently being prepared by this group, but to a new fund with a new evaluation process.

The application for the Hill Country Erosion Fund was successful, and staff are about to commence that project. It is good timing, as this work will allow consideration of the draft minimum standards in the NPS relating to sediment. This Fund now supports a wider scope (thinking of all types of erosion) than in previous years where the attention was centred on what would be described as traditional erosion areas in the North Island. As indicated below staff will also look at leverage of the One Billion Trees fund to support a riparian planting programme (and other planting initiative) – once priority areas and the need for planting have been determined.

Forestry and the implementation of the National Environmental Standard for Plantation Forestry has consumed some of the division's time. With a change in personnel, there has been the need to upskill in the forestry good management practices. Staff have also worked with the Compliance Division to implement a process for receiving harvest and afforestation notifications, with advice assisting the Compliance Administration Team to determine whether further information is required. This is a very positive initiative and signals an opportunity to alongside the compliance team more closely.

Project Overview

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
Empowered and Resilient Communities	Advice and Information	Focus Activity Farm Plan Programme	Upskill farmers and provide recommendations for specific high-risk activities	170 Focus Activity Farm Plans	Better farmer understanding of the impacts of their activities and how contaminants move across their properties.
		NES PF MPI Advisory Group – Stakeholder implementation working group	To provide expertise and advise MPI representatives on implementation of the NES PF	Attended meetings to date. Providing feedback on biodiversity and wilding issues.	A better understanding of the NES PF and fostering a closer working relationship with MPI representatives, with particular focus on wilding issue and regulatory capacity.
		Advice - Forestry (including NES PF) Land Management	Core business for land sustainability officers, practical advice to achieve behaviour change.	228,894 hectares	Changes seen on-farm, information given to farmer shared with other farmers via networks.
		Advice – Pollution Prevention, Hazardous Substances, Contaminated Land	Provision of education, advice and information by the pollution prevention team to businesses and industries and the community in rural and urban sectors. The public are provided accurate and up-to-date advice on contaminated	Provision of advice on contaminated land, hazardous substance management, collection and disposal. Pollution prevention activities included spill prevention training with South Roads, compliance referral site visits with recommended actions to reduce environmental impacts.	Increased awareness of hazardous substance and waste disposal options and best practice will reduce adverse effects on water quality in Southland. The contaminated land project provides information and advice to the public and government agencies to help

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
			land and are aware of the risks to human health and the environment and are advised on how to manage these risks.	<p>25 Pollution prevention requests were actioned relating to internal and external technical advice from truck wash consent applications, advice on burning and promoting farm waste management best practice on radio talk backs and adverts.</p> <p>75 queries relating to hazardous substances were responded to. Advice was provided on disposal options on agrichemical plastic containers, bale wrap, chemicals, used oil, asbestos, paint, e-waste, PCB contaminated soils.</p> <p>Support was provided for the AgRecovery 2019 chemical collection round-up in Southland.</p>	<p>manage the risks of contamination.</p> <p>Contaminated land is managed to avoid adverse effects on the environment.</p>
		Drone project (with other Ops Divisions)	Purchase of drones and implement software and project management systems to manage the use of the equipment, and the storage and management of data	<p>Purchase drone and initial Promapp by June 2019.</p> <p>Staff training completed end of July 2019.</p> <p>Use of drones underway in catchment, biosecurity, LAWS and compliance.</p>	<p>Reduced cost and time to gather information in the field.</p> <p>Increased staff safety through the provision of an alternate data collection method when conditions are unsafe.</p> <p>Good tool for making promotional material for ES.</p>

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
					May allow for access when biosecurity issues present.
		Sediment Project (HCEF)	Review and assess sediment sources and management across Southland. Develop a riparian management programme that allows access to funding opportunities.	Funding approved and person appointed to the work (\$150,000 from HCEF).	Allows for targeted work to occur that addresses sediment loss in Southland (link to proposed NPS and NES). Identifies the opportunity to utilise other sources of funding. Develop a riparian management programme that is fit for purpose for Southland.
		Staff Training Programme	Invest in staff skills.	Training programme delivered by the PLSO, including a visit to the Dairy Hub and a meeting with AgResearch.	Ensure staff have the right skills and tools to deliver effectively in the current setting.
Empowered and Resilient Communities Communities expressing their diversity.	Community and Stakeholder Partnerships	Agency support	Work with agencies to provide ES information, create relationships, achieve ES outcomes	Supported wintering workshops. Funded advert on wintering GMPs (B+L).	Create a link to industry who are directly involved in supporting on-farm research and change.
		Farmer-led Catchment Groups	Support farmer-led catchment groups with knowledge, action and administration	Megan Bates (and other LAWS staff) organising and coordinating 19 catchment groups.	Grassroots investment in water quality improvements. A community-led approach



Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
				Important connection within the organisation to information available in science etc. 13 Community Partnership meetings attended (and more).	may lead to pressure on non-complying or co-operating members of the community. Work collectively with other agencies (ops team meet monthly to plan/update).
		LEP Beef + Lamb Workshops	Support Beef and Lamb Workshops with knowledge to empower farmers to prepare own plans. <i>(NB: This to be reviewed in light of the requirements of the proposed NES)</i>	Land Sustainability Officers have attended and assisted with 18 Beef and Lamb workshops over the past year	Building a working relationship with one of our largest industry groups. Provision of land management and GMP advice to farmers. Increased uptake of personalised LEPs as the owner of the property and plan is the one creating it i.e. they have direct ownership of the plan. Supporting upskilling of farmers.
		Aparima Community Environment (ACE) (AOG)	To implement a targeted catchment approach to water quality improvements, through provision of farm plans, catchment group facilitation and provision	Launch of project to signal farmer buy-in to project. Programme to deliver FEPs to land managers (>20 hectares). Three wintering field days.	Community-led approach to water quality improvements presents a chance to evaluate a 'target catchment approach' to the Farm Plan Programme. Takes a whole of catchment



Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
			targeted education to the community on water quality issues.	<p>List of landowners (with FEPs) across the project area. Permission to use data for follow-up.</p> <p>Signage for farmers who have an FEP and are part of a catchment group.</p> <p>Support to individual catchment groups.</p> <p>A catchment wide survey concluded that; 80% of dairy farmers had FEPs and that were implementing wintering GMPs.</p>	approach.
		People Water and Land (PWL)	Inspiring change to improve Southland's water and land.	Member of PWL Programme team. Support for Programme Manager with reporting, programme design.	Senior staff member providing experience and insights to the project.
		Action on Ground (AOG)	Enabling activities that change land use to improve freshwater.	<p>Lead for the AOG workstream.</p> <p>Keep project plan up-to-date.</p> <p>Amend project scope as appropriate.</p> <p>Maintain oversight of key initiatives in this workstream.</p> <p>Contributed to outputs/outcomes monitoring for this workstream.</p>	Project management.

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
		Regional Forum (RF)	Advise Council and Te Ao Marama Inc on how best to achieve the community's aspirations for freshwater.	Provision of one FTE from LAWS as a member of the Kaitohitoi team, and provide land management technical support to the regional forum to provide expert Land Management Advice. Delivered a non-regulatory discussion paper. Organised field trips for Regional Forum meetings.	The LAWS team has significant knowledge and experience in land management, farm systems, extension and behaviour change. Providing this experience to the members of the Regional Forum will be very beneficial to their decision making process.
		Values and Objectives (V+O)	Gain a better understanding about what we want for our waterways, now and in the future.	Staff provided their time to help run the 'Share your Wai' campaign to collect information on why our fresh water is important to members of the Southland community.	Support for an important organisational project.
		Capacity Building (AOG)	Transition our river liaison committees to an integrated management approach (including rating frameworks).	Workshops held with Council, Liaison Committee Members and Catchment Group Forum. Report prepared to assess current arrangements and review other options.	A whole of catchment approach that allows for funding and co-ordinated action across the community.
		Whakamana te Waituna (AOG)	Restore the mana of the Waituna catchment and lagoon.	LAWS currently hosts two (of the three) staff engaged in this project. Limited involvement in this financial year's per project plan.	Support for an important organisational project.
		Community Group support	Support groups to implement sustainable	Worked with a range of community groups (e.g. Dipton Landcare Group,	Initiative to support environmental learning and

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
			practices, understand their environment	Wyndham Wildlife Sanctuary, Scouts).	action.
		Ballance Farm Environment Awards	Environment Southland sponsors the Balance Farm Environment Awards,	Staff member involved in judging, and preparing reports following visits. Attendance at the awards evening.	Environment Southland partnering with other agencies to celebrate farmers doing good environment work.
		Winter Grazing	Compliance support and working with agencies.	Focus here on internal linkages at ES, working better across the organisation to share information and support work being done. Specifically in the compliance – land sustainability space.	Support within Environment Southland for more efficient delivery of service.
Empowered and resilient communities.	Enablement Grant	Enablement Grant (attached to FAFP above)	Grant to assist farmers implement above recommendations	Issued full amount of money in 23 grants for the year. Note some issues in previous financial year with getting work done.	Promotes farmers to implement actions, able to showcase techniques/successes.
Managed access to quality natural resources	Contaminated Land	Contaminated Land	Contaminated land management is two-fold in that it provides information to the public and involves the ongoing management of the contaminated land database. Respond to requests for information on HAIL sites. Manage the Selected Land	Pollution prevention staff responded to a significant number of requests for information relating to potentially contaminated land (over 950). Technical advice, responses and reviews completed on 28 investigative and monitoring reports on contaminated land. Technical advice provided to internal and external contacts on a range of spills, leaks and contamination issues.	Contaminated land is managed to avoid the effects on the environment. The public are provided accurate and up to date advice and are aware of the risks to human health and the environment and are advised on how to manage the risks.

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
			<p>Use Sites (SLUS) register to ensure information is 100% accurate and up to date. HAIL sites are identified and added to the SLUS register when possible. Land owners are information of new registrations.</p> <p>Specialist technical advice is provided on managing the risks associated with contaminated land.</p>	<p>140 new sites verified and registered in the Selected Land Use Sites (SLUS) database.</p> <p>Records reviewed on fuel service station sites and consent requirements for ongoing monitoring identified.</p> <p>Staff manage contaminated land shared information protocol meetings with TAs and attend national SIG group meetings.</p> <p>The SLUS register has been released to the public on the ES website.</p>	
		Contaminated Sites Remediation Fund Ocean Beach Landfill Investigation Project	MfE have part funded a project to carry out a detailed site investigation and a remedial options report on an eroding landfill site at Ocean Beach in Bluff.	The Deed of Funding for the project has been approved and the project work tendered in GETS.	To assess the risks and inform remediation option to ensure public safety.

Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
Managed access to quality natural resources	Hazardous Substances	AgRecovery One-Stop Shop	-Pollution prevention staff provided support to Agrecovery to hold the One Stop shop event near Winton in Southland.	This provided a chance for farmers to dispose of some on-farm waste. Around 46 participants attended the day and disposed of bale wrap, used oil, chemicals and chemical containers. Staff gathered feedback from farmers about rural waste management.	The event created awareness of disposal options in Southland for recyclable farm waste.
Empowered and Resilient Communities Communities expressing their diversity	Enviroschools	Regional Strategy	To align EvS Southland with the Regional Councils strategic objectives with the EvS Kaupapa and Guiding Principles.	The strategy was agreed upon by the EvS regional coordinator, facilitators and Council ready to implement from 2019 onwards.	Connects community and council, whole view of sustainability, important reflection processes.
		Kindergarten South	Reflection – 3 bronze kindergartens 3 new kindergartens 15 total 2 more kindergartens in the pipeline to sign up.	Participation and achievement. Kindergartens regularly evaluating performance around EvS. Facilitators x5 regularly networking with ES EvS staff, Toimata foundation to continue training and knowledge gaining. Integrity of EvS high, thorough reflection process.	Sustainable kindergartens and students as well as their families and communities participating in the EvS programme. Connecting EvS, Kindergarten South, ES, and Toimata. Kindergarten EvS students flowing into local primary schools. Becoming aware of sustainability at an early age.
		Reflection	3 bronze kindergartens. 1 silver kindergarten. 1 re-reflection GG	Evidence collected and timelines of where kindergartens/schools have started and where they are now.	Evaluate where kindergartens and schools are in their Enviroschools journey.



Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
			6 planning reflections for 2020.		Strengthen their commitment to the kaupapa and deepening practices. Good internal evaluation.
		Secondary Schools programme	<p>Grow the network of secondary schools.</p> <p>Develop relationships with secondary, youth council, councils and community groups.</p> <p>Hold a secondary school roadshow to showcase sustainable practices in Southland. Teachers' unit standard workshop included.</p>	<p>Schools actively participating in discussions and joining workshops and PD sessions. Small school projects being undertaken to look after areas.</p> <p>Participation from all parties at community events.</p> <p>Bus load of secondary students and teachers attend the roadshow.</p>	<p>Building a network of groups working towards common goals in their areas.</p> <p>Business showcased to students and teachers. Networks created. Environmental standards taught to teachers to take into the classroom.</p>
		Teacher workshops	Broaden teacher knowledge and give ideas of sustainability that can be used in the classroom. Take away tool box. Show teachers what sustainability can look like in the classroom.	<p>Sustainability workshop held in Riverton. A range of teachers from kindergarten, primary and secondary attended. 36 attendees.</p> <p>Positive feedback given by teachers about the content.</p>	More teachers aware of measures that can be done at school. Knowledge sharing. Networking of teachers and experts in field.



Strategic Outcome	Activity Area	Project Title	Key Objectives	Measures	Value
Empowered and Resilient Communities Communities expressing their diversity	Education for Sustainability		The Education for Sustainability teacher workshops assist the education sector to deepen their understanding of the environment.	Climate Change workshop held at Bluff, six schools attended plus supported by ES Policy and Planning, Tiwai Smelter and Great South staff. Stormwater workshop held in Invercargill, supported by Invercargill City Council Biodiversity training day held with LAWS education and Biodiversity staff. Aquavan event held in the Maitava catchment with schools, and a community event with other agencies and groups. NZAS Science and Technology Fair sponsorship and support– provided support for students preparing projects, to the committee for the event and with judging. Social Science fair sponsorship and support –provided staff for judging of projects.	Increasing awareness and education around climate change, freshwater and stormwater management in our primary and secondary schools. Build enduring relationships with the community, agencies, territorial authorities, businesses and the University of Otago (Aquavan, Marine Science Dept, Catchments Otago).

Projects of note

The Capacity Building Project

This project has been created to develop a refreshed structure (Part A) and rating classification (Part B) for whole of catchment management that recognises emerging issues associated with river drainage, flood management, water quality (ecosystem health and human health), soil conservation with opportunity to include biodiversity as appropriate. The second part of this project (Part B) is to consider in the structure of how businesses can be supported to transition their land use practices through investment in on-ground action to improve water quality.

To assist with developing a refreshed model, staff have approached the project from many different perspectives. Workshops have been held with Liaison Chairs and Councillors starting in December 2018. The most recent workshop in August 2019 held two resolutions, to circulate the reports and develop a hypothetical option. There was extensive discussion on the different priorities and arrangements that currently exist for each of the current liaison committees and how these differences could be accommodated.

There are also various key resources¹ with relevant information that have previously been presented to Council and Committee members. This information was circulated following the last meeting, and the key points are summarised in this paper as they relate to the suggested new approach.

What we are learning (or seeing) in this project is a strong wish for change from many of the groups, with the caveat that not all groups are in the same place in terms of readiness. As with the Catchment Groups, there is awareness amongst the chairs of new drivers for environmental management, a raised community interest, and the need to respect the legacy and history of catchment management and ensure important elements of it are secured for the future. It is all about the people.

Aparima Community Environment (ACE)

The Aparima Community and Environment (ACE) Project was designed to build and support the Aparima and its environment through grassroots action on the ground while maintaining profitable businesses. The ACE Project is the first attempt in Southland at a catchment focused, community-led approach to improving water quality without harming social and economic wellbeing. The goals of the project are to:

- help farmers understand water quality issues and available options to improve water quality;
- support farmers to obtain a Farm Plan;
- facilitate understanding and implementation of GMP/GFP;
- assess benefits of GMP/GFP on water quality.

Work to date includes a stocktake of the farm environment plans held by land managers in the project area. These are being delivered primarily by Environment Southland, Fonterra and Beef + Lamb/DFA. The project has included facilitation of community-led catchment groups that are

¹ Duncan, R and M Robson-Williams (2018) Shaping Southland's Regional Forum: drawing on lessons from elsewhere. Report LC3293 Manaaki Whenua – Landcare Research.

C Kelly (2019) River Liaison Committees – Review of structure and terms of reference. Prepared for Environment Southland by Boffa Miskell Limited.

¹Feeney, C et al (2010) Integrated Catchment Management – a review of literature and practice. Report prepared for Ministry for the Environment.

actively working towards improvements with financial and operational support from Environment Southland. Community meetings held in Mossburn, Otautau and Riverton with around 120 people attending in total. Wintering field days held to present information on Good Management Practices for wintering, public perception and animal health.

In April 2019, a catchment-wide survey was conducted with funding from Environment Southland, Beef + Lamb and Dairy NZ to assess what impact the ACE Project has had on the catchment in its first year of operation. The survey found that:

- **over half** of the farms surveyed have implemented a Farm Environment Plan (FEP);
- farmers were **significantly** more likely to report more environmentally sound winter, and winter grazing, practices if they had an FEP;
- water resource management and nutrient management practices were implemented **significantly more** often for farms that have an FEP;
- 80% of dairy farmers had FEPs.

Following this review of the programme, what steps are being considered looking ahead for the ACE Project?

- A strategy is developed between support agencies to ensure all FEMPs are consistent with Appendix N requirements and land managers are triaged into having a FEMP provided for by either ES, B+L NZ, Fonterra or a private provider and to ensure efficient delivery of FEMPs.
- B+L NZ runs up to six FEMP events to support sheep and/or beef farmers obtaining a FEMP during 2019.
- ES makes farm-specific maps available that include soil maps, physiographic zones and known waterways available to farmers on request. Information sheets circulated on how to access online information.

Focus Activity Farm Plan Programme

The Focus Activity Farm Plan (FAFP) programme was continued into the 2018/19 financial year for properties greater than 20 hectares in size. This is the fifth year of the FAFP programme. An evaluation of the programme was commissioned and conducted by Lisa Pearson and Matt Couldrey of Land and Water Science.

Other significant developments include the purchase of two Unmanned Aerial Vehicles (UAVs) for the shared use by the Operations Directorate.

This year also saw the continuation of the FAFP enablement grant, wherein recipients of FAFPs from the Land Sustainability Team in the previous financial year can apply for funding to help complete one of the recommendations outlined in their plan. This fund has a focus on improving water quality and has contributed significantly to very worthwhile projects in the past.

The following has been achieved in the 2018/19 financial year:

- 164 Focus Activity Farm Plans were provided to members of the Southland community covering 68,000 hectares;
- funding was made available for 20 of the recipients of farm plans the previous financial year;
- two UAVs (drones) were purchased to improve the collection of aerial photography and to improve worker safety when collecting data in the field;

- a comprehensive review was commissioned from Land and Water Science;
- several important recommendations were obtained through this review.

What staff are learning, or perhaps having to contend with through this project, is that while changes in the regulatory space will impact this programme, it is still essential that farmers have access to people who can visit their property, provide them with important biophysical information and match up environmental issues with action. What we need to do is more effectively measure the change or uptake of practices to show the effectiveness of the division's service and also to provide evidence to support action. We are also looking at different learning models for the information and advice, such as supporting the Beef + Lamb workshops as detailed elsewhere in this report.

We have moved to keep pace with emerging technological developments in farm management by investing in two small UAVs. These "drones" will assist our field staff with data collection and with highly detailed mapping for on-farm advice. These drones will also improve the safety of our field staff as they can use the drone to map potentially hazardous areas without needing to put themselves at risk.

Support for Beef + Lamb (B+L) Farm Environment Plan workshops

To co-facilitate Land Environment Plan workshops with Beef + Lamb representatives. The focus was to help farmers do their own Farm Environment Plans through the B+L LEP process to try to create farm plans that the farmer has full ownership of. This helps farmers meet our rules for an FEP under Appendix N of the new water and land plan and also hopefully helps to increase uptake of recommended good management practices.

Environment Southland staff attended 18 Beef + Lamb workshops across the region and helped facilitate and educate attendees about water quality issues and Good Management Practices (GMPs). In being involved with these workshops, staff spoke to over 300 farmers, and developed an improved and closer working relationship with Beef + Lamb New Zealand, a major industry partner. Deer Farmers Association also supported the B+L workshops with funding, particularly in the Aparima catchment. And we are aware that other companies are seeking to use a similar model to support their suppliers with the farm plan process.

What we learned through our involvement is that the Beef + Lamb FEP process has the potential to more efficiently develop farm plans for the community at scale. Land Sustainability received a major influx of requests for mapping information before each event, these requests were often received with little time before the event – making this information more readily available (or helping people to know where the information is) is a task to do. In the future, advising people that they need to get in contact with Land Sustainability ASAP if they intend on attending.

We also intend to work with Beef + Lamb and the deer farmers to follow up attendees to check (good practice, not compliance) the quality of the farm plans prepared and to measure actions put in place on farm as a result of attending the workshop.

Climate Change workshop

This year we held a climate change workshop for teachers, in Bluff for staff from six schools. The intent was to integrate elements of Enviroschools throughout the workshop, such as opening with a mihi from the Energy Theme Area, using "The Big Picture" in one of the activities, and encouraging teachers to look through some of the Enviroschools resources during the day. The structure of the

day was also influenced by the action learning cycle, with opportunities to understand the current situation, explore alternatives, and think about effective actions that schools could take.

The workshop offers an example of how we work across the organisation but also form important partnerships outside of the organisation. Gavin McCullagh (Team Leader, Policy and Planning) attended the whole day and gave an excellent presentation on how climate change will affect Southland. He contributed his valuable knowledge and answered a lot of questions throughout the day, which I think boosted the credibility of the workshop, and gave us a sense of confidence in the quality of the content that was being presented.

Shaun O'Neill (Superintendent – Quality Systems & Partnerships, New Zealand's Aluminium Smelter, and Rio Tinto) attended the first part of the day and gave a very interesting presentation on Tiwai's (NZAS/Rio Tinto) perspectives on climate change. This session helped us to grasp the real-life, practical implications of climate change from the perspective of a significant local industry.

Isabel Huther (Business Projects Co-ordinator, Carbon Neutral Advantage, Great South) also attended the whole day. She assisted with the planning of the workshop, gave an excellent presentation on zero-carbon legislation, Carbon Neutral Advantage, and what's happening in Southland. She ran a session to explore teachers' visions for a sustainable future. The Big Picture drawing from EnviroSchools was a helpful resource that supported this vision session.

As part of the workshop, a field component was organised to measure and see what a 1 metre rise in sea level would look like. We looked around to identify infrastructure that would be affected by a higher sea level, saltwater intrusion, and coastal storm surges e.g. roads, houses, stormwater drains, wastewater pumps and fuel tanks. Special thanks to Emma Duncan from IT who prepared maps for us to use during this field trip, and waded through the data from NIWA to create some maps illustrating how climate change is likely to affect Southland and the schools that attended the workshop.

We shared a huge range of resources with the teachers during the workshop and set up a Google Drive folder containing some of the presentations, maps and reports we used, as well as a selection of climate change resources we've been collecting. On reflection, this is a workshop that could be presented to a far wider audience beyond formal education. A chance for our community and perhaps even staff to have a great understanding of the important issue of climate change.

Contaminated Land Data management (include liaising with the territorial authorities)

During the 2018/19 financial year, the contaminated land staff continued managing information on potential contaminated sites through the Selected Land Use Sites (SLUS) register and provided information to members of the public upon request. This year also saw the completion of several projects to improve both the accuracy of the data being provided (identification of new HAIL sites) and the efficiency at which it is provided (creation of the online SLUS layer in BEACON).

During the year, the following was achieved:

- pollution prevention staff responded to a total of 946 requests for information about HAIL sites and potential land contamination;
- a significant number of queries related to registered HAIL sites where proposed site development was planned;

- due to the high volume of requests for information on the Selected Land Use Sites (SLUS) register, it was decided to make the register available to the public via our online GIS portal BEACON. This has significantly reduced the numbers of queries coming directly to staff for response. Many queries related to advice on the disposal of contaminated soils. This included contaminated soils with PCB contamination, lead, PFAS, asbestos and hydrocarbons;
- a review and assessment of all registered service station and bulk fuel sites was carried out for Southland. Chorus sites were also assessed and sites with fuel tanks were registered;
- Z Energy and Mobil Oil groundwater monitoring event reports were reviewed resulting in 10 sites triggering the passive discharge contaminated land WAL Plan rule and requiring a consent for going monitoring;
- there were 140 new registrations in the SLUS register, with landowners and territorial authorities notified. This was carried out with support from consultants contracted to support the contaminated land programme of work;
- consultants, e3Sciencific, also provided technical reviews on 28 investigation reports with letters sent to land owners and businesses to inform of any changes to the classification of the sites in the SLSU database. This enables the SLUS database to remain up to date and 100% accurate;
- a historic diesel leak from an underground fuel tank in Milford Sound was identified in January. Staff provided advice to DOC on investigation requirements and sort legal advice on roles and responsibilities for the costs of remediation. Staff continue to support DOC on other contaminated land issues identified at Milford Sound;
- a Contaminated Sites Remediation Fund application to MfE was successful for an eroding coastal landfill site at Ocean Beach in Bluff. The MfE Deed of Funding was approved and a project working group has been established to manage the work programme. Contaminated land staff are leading the project which is to carry out a detailed site investigation and remedial options report;
- through analysis of Invercargill City Council's historic Dangerous goods Licences, over 50 new HAIL sites have been identified for registration.

Fit with strategic framework

The Land and Water Services Division plays a significant role in contributing to achieving the outcomes outlined in the 2018-2028 Strategic Intent. The division does this by employing the new outlined approach of connectivity, engagement and knowledge sharing to promote investment in the future.

Developing connections with stakeholders, whether they are community groups, businesses, farmers or schools, forms a core part of the division's role. Engaging with these groups and sharing the knowledge and expertise that the division has cultivated is one of the best ways that Land and Water Services Division contributes to education and behaviour change.

The Land and Water Services Division embodies many of the underlying principles identified by the Council, including rerekētanga (innovation), kaitiātanga (guardianship) and whakapono (trust). It also attempts to build whakapono with positive interactions and education opportunities within the community. The education that LAWS provides helps people to embrace rerekētanga to improve our kaitiātanga of the land.



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

None



Item 13 2018/19 Rating District Works Programme – Annual Report

MORF ID: A492410	Strategic Direction:
Report by: Catchment Works Supervisors	Approved by: Paddy Haynes, Catchment Operations Manager
Executive Approval: Jonathan Streat, Director of Operations	

Purpose

For Council to note the Rating District Works Programmes for 2018/19.

Summary

The Catchment Management Division Work Plan requires that a report be provided to the Regional Services Committee detailing the results of the 2018/19 Rating Districts Works Programmes.

All rating district works expenditure, other than internal transactions, is reported to Council on a quarterly basis, as part of the Regional Services Committee report under Matters for Council Information, Contracts and Progress on Works and the Chief Executive's snapshot of the division's monthly report to Council.

The following reports are presented to Council to meet the Catchment Management Division's commitment to:

- Rating District programmes involving:
 - catchment flood protection scheme asset management and inspections;
 - river system corridor management;
 - flood fairway woody vegetation control spraying programmes;
 - river berm fence maintenance;
 - land drainage co-ordination.

Recommendation

It is recommended that Council resolve to receive the report for the 2018/19 Catchment Management Division programme results, and that relevant parts of the report be provided to the River Liaison Committees.

Report

Invercargill City Flood Scheme Rating District 2018/19 *(Compiled by Robin Wilson, Engineering Assistant)*

The Invercargill City Flood Protection Scheme Rating District involves assets spread over three catchments:

- Waihopai River;
- Otepuni Stream;
- Kingswell Creek.

Each catchment has stopbank systems and a detention dam with associated culverts and structures.

The historic value of these assets is \$13.733 million, made up of construction costs and land purchase costs of \$2.633 million.

Since 2003, a walkway system has been developed along the crest of the stopbanks in each catchment. These projects were completed in 2010 and the 2018/19 year was the ninth year of scheduled maintenance.

Works Activity

1. Grass Mowing

The 2018/19 mowing season was another roll-over year of the contract to control grass growth throughout the Invercargill City Flood Protection Scheme rating area.

Development of the Invercargill to Bluff walk and cycle trail has resulted in significant extensions to the existing mowed areas and some of this work was covered within the landscape maintenance and walkway budget. Seasonal fluctuations and other new areas around the developing wetland areas adjacent to the Waihopai River can contribute to variations to expenditure in the grass mowing budget. This year the season allowed for one mowing round less than budgeted so a saving was achieved within this budget item. Once again, the opportunity was taken to allow adjoining landowners to graze berm areas where appropriate, upstream of Queens Drive and the downstream right bank of the rail bridge over the Waihopai River. The grazing keeps these wide areas relatively tidy and gives some control over unwanted weeds. An opportunity to cut part of the Waihopai floodway for hay meant that approximately 200 large bales is in storage. These will be sold at an appropriate time in the 2019/20 financial year.

2. Structure Maintenance

The structure maintenance component has ended over budget. This was caused by the commissioning of a report from Opus International on the condition of flood protection works on the Lower Otepuni Stream completed in 1991. As a result of this report, remedial works have been carried out and will continue into the 2019/20 financial year. There were the usual costs associated with erosion, vandalism and vehicle accidents to fences, gates and padlocks etc.

All flood protection assets within the city are inspected every three months, as scheduled in the Asset Management Plan, with any repairs carried out as soon as possible.

Specific annual inspections are carried out on the dams and associated major concrete structures.

With regard to the integrity of the lower city scheme works, NIWA has completed a report on Sea Level Rise and Climate Change (*Southland Climate Change Impact Assessment: Aug 2018*). This report is available upon request.

Further assessments specific to Invercargill are being carried out.

3. **Spartina Control**

The total length of the Waihopai Arm has been treated for Spartina growth, with a high standard of control being achieved. Follow-up maintenance spraying is only carried out if required, with application costs being met by the Department of Conservation. A meeting to review the programme of Spartina control took place in September 2012 resulting in a continuance of the monitoring and maintenance programme.

4. **Waihopai Walkway**

The walkway construction from Stead Street to the Waihopai Dam is complete, however, ongoing native plantings continue, where appropriate, along the total length. As adjoining sections along Bill Richardson Drive are developed, new native planting areas are established between adjoining properties and the walkway. This has combined aesthetic values and security shielding from commercial activity.

Exceptional king tide events have been occurring on regular occasions over the last three years. These tides, combined with very strong south-west winds have resulted in the flood protection system from Stead Street to Beatrice Street being tested to near capacity.

Discussions on sea level rise and climate change that will impact on the integrity of the flood protection schemes in the city are ongoing.

The Waihopai Walkway and dam region is continuing to be used for educational events, as follows:

- **Stream Connections** – this was organised by the Environmental Education Team, where students from a variety of schools from kindergartens to secondary age discussing topics such as stream health (and ways to measure this), ecosystems and the physical properties of streams, and the flood protection works and systems in the area. This programme also involved a number of native planting days. The studies and field trips ran throughout the year.

Participating schools were:

- Rimu;
- St Johns;
- Southland Girls High School;
- James Hargest.



5. **Otepunī Stream Walkway**

Ongoing native plantings have continued, where appropriate, from Rockdale Road bridge downstream to Stabicraft Marine. Overall, the walkway maintenance expenditure remained within budget.

6. **Kingswell Creek Walkway**

Native plantings continue, where appropriate, along Ball Street and Kew Bush area also around the Stabicraft Industrial area adjacent to the Kingswell Creek/Estuary confluence. It should be noted the co-operation of Stabicraft management in allowing access to areas for native plantings.

Assistance is given to the volunteer workforce in Kew Bush as required to eradicate pest plants in the areas adjacent to the walkway.

7. **Channel Vegetation Control**

Channel vegetation control was over budget this year. Because of weather and flow conditions in the Otepunī and Kingswell Creeks there was the need to spray twice in certain areas and in fact three times in other areas. Gorse eradication upstream of the Waihopai Dam is carried out as part of the effort to completely clear the area of the problem. The area was a borrow pit area for the dam construction and has now being developed into a very successful wetland.

The annual channel weed spraying programme for the Kingswell Creek and the Otepunī Stream is carried out from January to March 2019. Other maintenance weed spraying on drains adjoining the major channels within the City flood protection schemes continued throughout the year. Some areas of the Kingswell Creek and Otepunī Stream may require machine cleaning in 2019/20. Further assessment is due in November 2019.

8. **Landscape Maintenance**

The budget for this programme was within budget. As the walkways develop, more plantings are carried out therefore increasing the maintenance of same. Costs of supplying plants to the Environmental Education Programme also came from this budget.

9. **Bluff–Invercargill Walkway**

Work on Stage 1 of the Invercargill to Bluff walk and cycle trail was started in 2014 and officially opened 15 March 2015. The contract for that section from the Invercargill wastewater plant to Kekenō Place, at the Awarua industrial area, was awarded to Wilson Contractors.

Stage 2 involved an alignment over private land owned by Southwood Export Limited and exiting at the start of the KiwiRail owned land. An agreement to form an easement over the Southwood Export land has been negotiated and work has been completed to form this 640 metres length of the trail.

The next part of the Stage 2 alignment will be from the newly formed easement to where it crosses over the Invercargill to Bluff railway. Negotiations with KiwiRail are ongoing with expectations of a late 2019 continuance of work. This will complete Stage 2.

An isolated section that bypasses the Rail Overbridge has been completed. This was overseen by Highways South and mitigates this highly dangerous aspect to this section.

Annual Summary of the ICC Rating District

1 July 2018 - 30 June 2019

	Budget 2018/19	Actual 2018/19
Rating District		
Balance 1 July 2018	82,885	82,885
Add income from		
general funds	163,785	165,022
transfers from reserves		
Interest	8,400	10,945
local contributions and recoveries		3,033
catchment rates	487,477	487,482
Total income	659,662	666,482
Available funds	742,547	749,367
Deduct expenditure on		
stopbank insurance	18,307	9,335
asset management		
anticipated river works		
floodwarning	22,118	22,118
landscape maintenance	52,615	49,674
structure maintenance	20,325	35,058
channel vegetation control	38,147	48,454
grass mowing	105,000	85,252
Miscellaneous	2,765	113
stopbank inspection		
walkways	64,378	58,421
transfer to reserve	60,000	60,000
Direct costs depreciation support costs	276,006	244,683
Total expenditure	659,661	613,108
Balance at 30 June 2019		\$136,259
Disaster reserve		
Balance 1 July 2018		869,084
Add income from		
interest		23,900
contributions/transfers in (insurance)		60,000
Deduct		
transfers out		
Balance at 30 June 2019		\$952,984

Makarewa Catchment Rating District 2018/19
(Compiled by Paul Pollard, Team Leader - Catchment)

The Makarewa Catchment Rating District has a responsibility to maintain 140 km of mainstream channel, 50 km of drainage channel, 20 km of rural stopbanks and associated structures, with an income of \$354,105 for the 2018/19 year.

Works Activity

1. Anticipated River Works

Budget	Actual Cost
\$181,810	\$234,688

This was a busy year for the works programme, with a project to restore drainage and flood capacity to the Old Makarewa River channel commencing in November 2018. The work involved removal of willows and accumulated silt from the channel. Unfortunately, a large flood occurred midway through the project in early December which caused problems for the adjacent landowners and delayed the work. However, the work was finished by early January 2019 and produced the expected drainage outfall for adjacent tile systems, as well as restoring flood capacity for the channel.

Another project to remove accumulated silt in the Mako Gorge was carried out after Christmas. DES Limited removed willows initially and Ryal Bush Transport's long reach excavator then removed the silt from the bed commencing at the gorge and moving upstream to the Otapiri/Lora (Makarewa) confluence. The adjacent farmers' initial impressions are that it has made an immediate improvement but further monitoring will be required.

The December flood caused a considerable amount of damage in the Upper Lora Gorge area where the heaviest rain fell. There were several rock jobs required but the cost of the rock was offset by a contribution from the Southland District Council as its roads were involved at three locations. Scheduled maintenance was programmed to be carried out in the Lora Stream but the flood meant that extra work was required. This meant the budget was over expended. However, the 2017/18 year was a reasonably light year as far as works expenditure went, which meant that this year's over expenditure was able to be accommodated within the rating district credit balance.

The Channel Road forest logging profits and accumulated interest was transferred out into a separate reserve and some of the interest was used for a project to establish a walking track into falls on the Upper Lora River near Hall Road as requested by the River Liaison Committee at its February 2019 annual general meeting.

2. Drainage Maintenance

Drainage maintenance was carried out on 16 of the 27 drains that make up the land drainage component of the Makarewa Rating District. Rather than mechanical cleaning these drains, aquatic spraying was used which resulted in a considerable saving. The success of this will be assessed this summer and if ratepayers are pleased this approach will continue until a mechanical clean is required.

Financial reporting is detailed in a separate report under “Table 1 – Catchment Land Drainage Districts”.

3. **Stopbank Inspections**

The Makarewa stopbanks are inspected once a year, usually in July/August.

Stopbank inspections are detailed in a separate report under “Flood Scheme Inspections 2018/19”.

Expenditure

A total of 1,930 tonnes of rock was carted to four locations in the catchment.

A total of 14 days was spent on the Lora Stream repairing flood damage, 19 days clearing willows out of the Old Makarewa River channel and 10 days removing willows and silt from the Mako Gorge.

Contractors also planted a total of 540 native trees for erosion control at various locations in the catchment.

The Makarewa Catchment Rating District ended the 2018/19 year with a credit works account level of \$223,976.

**Annual Summary of the Makarewa Rating District
1 July 2018 - 30 June 2019**

	Budget 2018/19	Actual 2018/19
Rating District		
Balance 1 July 2017	336,192	336,192
Add Income from		
General Funds	69,009	126,390
Transfers from reserves	0	
Interest	10,300	11,202
Local Contributions and recoveries		8,184
Rock sales		
Catchment Rates	<u>208,333</u>	<u>208,329</u>
Total Income	287,642	354,105
Available Funds	<u>623,739</u>	<u>690,297</u>
Deduct Expenditure on		
Stopbank Insurance	625	319
Anticipated River works	172,990	228,042
Drainage Maintenance	31,071	34,352
Floodwarning	8,828	8,828
Riverbed Vegetation Control	0	0
Channel Maintenance	17,026	0
Tree Planting	8,820	6,345
Stopbank Inspection		
Professional Fees		
Miscellaneous		301
Contract Labour		
Transfer to reserve	-	115,754
Direct Costs Depreciation Support	48,187	54,366
Costs	<u>287,547</u>	<u>457,321</u>
Balance at 30 June 2019		<u>\$232,976</u>
Disaster reserve		
Balance 1 July 2018		169,458
Add Income from		
Interest		4,660
Contributions/Transfers in		<u>-</u>
Deduct		
Transfers out		0
Balance at 30 June 2019		<u>\$174,118</u>

Waiau Catchment Rating District 2018/19

(Compiled by Paul Pollard, Team leader and Robin Wilson, Engineering Technician)

The Waiau Catchment Rating District works for the 2018/19 year consisted of maintaining the berm fence, fairway vegetation control, stopbank inspection and maintenance of the six tributary drainage districts.

Works Activity

1. Berm Fence upgrades and corridor berm spraying

Budget	Actual Cost	Length of Fence upgrade
\$74,211	\$77,391	2,000 metres

Berm fence upgrading and/or replacement was carried out on two properties, during 2018/19.

Berm fence corridor vegetation control continued and extended to cover all areas between the fence and the river fairway where practicable using ground and aerial spraying.

2. Riverbed Vegetation Control

Budget	Actual Cost	Quantity
\$131,479	\$129,321	320 hectares (aerial) and 191.5 hrs (ground)

The annual programme to control unwanted vegetation within the bed of the Waiau River is detailed in a report under “Riverbed Vegetation Control Program 2018/19”.

3. Drainage Maintenance

The Waiau catchment drainage maintenance commitment involves six separate drainage districts detailed in a report under “Table 3 – Waiau Catchment Drainage Districts”.

4. Stopbank Inspections

The stopbank inspection requirement for the Waiau catchment is quarterly. Stopbank inspections are detailed in a report under “Flood Scheme Inspections 2018/19”.

5. Waiau Riparian Project Fencing

Budget	Actual Cost	Quantity
\$45,000	\$49,943	6,659 metres

Expenditure was shared over three properties.

6. Waiau Special Projects

There was \$17,663 expenditure out of the Waiau Special Projects fund during the 2018/19 year. Funds were used to cover water sampling costs on the Orauea and the making of a film about the history of the Waiau River catchment.



A transfer of \$25,000 was also made to the Waiau Science Project as well. This was the last of three contributions made as agreed in the 2015/16 year.

Expenditure

- **Waiau River**

The main areas of expenditure were the vegetation control and berm fence maintenance and riparian fencing programmes. The aerial programme ran smoothly with Southland Helicopters Limited carrying out 320 ha of spraying.

Replacement and repair of the 129 km length of the Waiau berm fence was carried out at two properties and is detailed above.

The Waiau district ended the 2018/19 year with a credit works account level of \$1,948,757.

**Annual Summary of the Waiau Rating District
1 July 2018 - 30 June 2019**

	Budget 2018/19	Actual 2018/19
Rating District		
Balance 1 July 2017	1,875,923	1,875,923
Add Income from Interest	50,000	58,152
Transfers from reserves Waiau	66,800	66,800
Special Projects Interest	388,310	441,299
Local Contributions and Recoveries		
Rock sales		
Catchment Rates	<u>63,542</u>	<u>63,537</u>
Total Income		
Available Funds	<u>2,444,575</u>	<u>2,505,711</u>
Deduct Expenditure on Stopbank Insurance		
Anticipated River works		4,080
Drainage Maintenance	203,595	179,631
Floodwarning	13,495	13,495
Riverbed Vegetation Control	131,479	129,321
Stopbank Inspection Tuatapere		
Fence Maintenance	74,211	77,391
Waiau Science Project	25,000	25,000
Stopbank Inspection		
Misc Riparian Fencing	45,000	49,943
Contribution to Waiau Riparian Project		
Transfer to reserve	29,945	29,945
Direct costs depreciation support costs	<u>100,725</u>	<u>48,148</u>
Total Expenditure	623,450	<u>556,954</u>
Balance at 30 June 2019		<u>\$1,948,757</u>
Disaster reserve		
Balance 1 July 2018		1,697,708
Add Income from Interest		46,687
Contributions/Transfers in		<u>29,945</u>
Deduct		
Waiau Special Projects		66,800
Balance at 30 June 2019		<u>\$1,707,540</u>

Mataura Catchment Rating District 2018/19
(Compiled by Clint Cartwright, Works Supervisor)

The Mataura Rating District is responsible for maintaining 390 km of river channel, 99 km of stopbanks and 275 km of drainage channels.

The budget for 2018/19 was \$1,711,886.

Works Activity

1. Anticipated River Works

Budget	Actual Cost
\$303,810	\$372,833

Local contributions and rock sales have returned at total of \$99,798, leaving a net cost to the rating district of \$273,035.

During the year erosion control works utilising 12,204 tonnes of quarried rock was undertaken at 20 sites, with a total length of 1,117 metres.

A quarry at Pyramid, managed by Fulton Hogan, provides rock for the mid-reaches of the catchment (i.e. Mataura, Cattle Flat, Waikaia River and Waikaka Stream). Rock required for work below Mataura is sourced from the Hillside Metals quarry, located at Mataura Island. For work in the upper Mataura rock is sourced from windrowed rock in paddocks on the Fairlight Flats.

2. Land Drainage

Budget	Actual cost
\$164,018	\$85,338

Work was carried out on 13 of 30 drains and streams in the Mataura Land Drainage Rating District.

Detail of the Mataura drainage programme is shown in the report titled "Table 1: Catchment Land Drainage Districts".

3. Riverbed Vegetation Control

Budget	Actual Cost	Quantity
\$148,208	\$141,059	247.5 ha – aerial 55.7 km – ground

The riverbed vegetation control programme consists of:

- aerial spraying and ground spraying to control gorse, broom and willow growth to maintain a clear flood fairway, ground spraying of sweet reed grass (*Glyseria Maxima*) on the lower Waimea, Waikaka, Waimahaka and Titiroa Streams to maintain a channel free of weed, reduce sediment build-up and erosion.



4. **Channel Maintenance**

Budget	Actual Cost
\$290,445	\$271,951

The channel maintenance programme involves the removal of dislodged trees from the river channel, trimming of overhanging limbs, cutting and layering/cutting and tying to strengthen existing willow protection and the removal of collapsed willows, gorse and broom to maintain a clear river channel and flood fairway.

5. **Tree Planting**

Budget	Actual Cost
\$37,980	\$9,713

The tree planting programme involved the purchase and planting of 3,000 shrub willow rooted cuttings and wands to provide riverbank stability.

The willows were sourced from Mike Hurring Logging, Balclutha and Milligans Nursery, Dipton.

6. **Urban Floodways**

Budget	Actual Cost
\$30,250	\$26,436

The urban floodways works programme provides for the maintenance of the floodways, stopbanks, culverts and flap gates at Gore, Mataura and Wyndham.

Trees were removed and vegetation mulched in the Gore and Mataura Floodways to improve floodway capacity.

7. **Phase II**

Budget	Actual Cost
\$83,399	\$83,853

The Phase II works programme involves the maintenance of the stopbanks, culverts and flap gates at Lower Mataura, Cattle Flat, Waikaia, Athol, Garston and Eyre Creek.

A total of 3,978 tonnes of rock (ex Pyramid and Hillside Metals) was placed along 332 metres of stopbanks to improve protection.

8. **Stopbank Inspections**

The stopbanks at Gore, Mataura and Wyndham have been inspected for damage and/or issues every three months as required. The rural stopbanks at the Lower Mataura, Cattle Flat, Waikaia, Eyre Creek, Athol and Garston are inspected on an annual basis as required.

We have identified areas that require additional rock work within the flood protection assets. We are continuing to monitor these areas and prioritise work on any defects.



9. Willow Maintenance

Willows on the following properties were cleared to help maintain the floodway:

- C Robertson, Wendonside
- Gore Floodway
- W Soper, Eyre Creek
- S Wilkins, Eyre Creek
- H Naylor, Garston
- G Lawrence, Wendonside
- Argyle & Glenaray Station, Piano Flat
- Stirling, Waimahaka
- P Clement, Wendonside
- P & L Rule, Waikaia

Expenditure

The district completed the 2018/19 year, with a works account balance of \$ 649,861, an increase of \$287,595.



**Annual Summary of the Mataura Rating District
1 July 2018 - 30 June 2019**

	Budget 2018/19	Actual 2018/19
Rating District		
Balance 1 July 2018	362,266	362,266
Add income from General funds	413,566	401,971
Interest	23,100	30,470
Local contributions and recoveries		
Rock sales		112,007
Catchment rates	<u>1,275,220</u>	<u>1,275,226</u>
Total income	1,711,886	1,819,674
Available funds		<u>2,181,940</u>
Deduct expenditure on		
Stopbank insurance	14,288	7,646
Anticipated river works	303,810	372,833
Drainage maintenance	164,018	85,338
Floodwarning	56,596	56,596
Riverbed vegetation control	148,208	152,949
Channel maintenance	454,463	271,951
Tree planting	37,980	9,713
Urban floodways	30,250	26,436
Phase II schemes	83,399	83,853
Willow control	0	0
Structure maintenance	75,578	92,837
Stopbank inspection	0	5,385
Miscellaneous - liaison meeting		346
Direct costs depreciation support costs	<u>507,314</u>	<u>366,196</u>
	1,875,904	1,532,079
Balance at 30 June 2019		<u><u>\$649,861</u></u>
Disaster reserve		
Balance 1 July 2018		1,270,952
Add income from		<u>34,951</u>
Interest		
Contributions/transfers in		
Balance at 30 June 2019		<u><u>\$1,305,903</u></u>

Aparima Catchment Rating District 2018/19

(Compiled by Jim Veint, Catchment Works Supervisor and Paul Pollard, Team Leader – Catchment)

The supply of rock required for major erosion control works undertaken throughout the Aparima catchment is obtained from two quarries. The first is the Tihaka quarry, located at Colac Bay and owned by Tihaka Bay Limited (which holds the consent for the activity). Environment Southland, on behalf of the Aparima Catchment Rating District, operates and manages the quarry under a formal agreement with Tihaka Bay Limited that includes a per tonne royalty for rock removed from the quarry.

The second is a Council-owned quarry located adjacent to the north side of the Oreti River, at Mossburn. This quarry was established by, and is managed on behalf of, the Oreti Catchment Rating District.

The Wreys Bush area is the central point of the Aparima catchment therefore, for cost efficiency, rock supply and cartage downstream of that point is sourced from the Tihaka quarry. Upstream of that point, rock is sourced from the Mossburn quarry.

Environment Southland staff are responsible for management and operation of both quarries, which includes the organisation and control of contractors that work in the quarries. Staff are required to hold and maintain a B Grade Quarry Managers Certificate of Competency to undertake this management role. All drilling and shot firing required to win the rock is undertaken by qualified contractors.

Quarry safety is now under the jurisdiction of Worksafe NZ, and following an improvement notice being administered to one of the quarries, it was decided to obtain a geotechnical assessment of the five quarries under Environment Southland control. This has been undertaken by a specialist engineer from Opus Consultants, at a cost of approximately \$10,000 per quarry. The results of this survey are to satisfy Council's legislative responsibility for health and safety, as required by Worksafe NZ.

Control and/or repair of lateral edge erosion through the use of live vegetation on high energy river systems, such as the Aparima, requires the relocation of entire mature crack willows. Willows existing on-site are layered along eroding banks and secured into position using wire rope anchored to deadmen.

Works Activity

1. Anticipated River Works

40 metres of heavy willow protection, using live willows tied back to deadmen, was installed at one site during the year.

3,530 tonnes of rock was installed at seven separate sites to control erosion.

2. Floodbank Inspections

The annual on ground inspection of the Aparima flood banks was completed during the 2018/19 year.



3. River Fairway Vegetation Control Programme

Work undertaken and associated costs to control woody vegetation within the floodway of the Aparima River was:

Budget	Actual Cost	Quantity
\$94,346	\$155,042, less LINZ contribution (\$39,215)	386 ha aerial & 2 km ground - 19.5 hrs

Aerial work was undertaken by Heliops Limited and M S Contracting carried out the tractor work.

Land Information New Zealand (LINZ)/Department of Conservation (DOC)

As part of the Southland Biosecurity Interagency relationship DOC and LINZ continue to have responsibility for the section of Aparima from the Wreys Bush-Mossburn Rd bridge upstream and the Hamilton Burn Stream from 2.1 km below the Mt Hamilton Rd to 5.1 km above. LINZ and Environment Southland have entered into an agreement where ES staff have taken over the management of those areas that LINZ staff previously managed and LINZ contributes funding to cover the work carried out. Council contractors were already working in the area and it made sense for the Council to extend the existing programme to include the LINZ work at no extra cost to the rating district. LINZ contributed a total of \$100,000 (plus GST) to programmes on Southland rivers this season.

Each agency covers the following sections of river bed:

- **LINZ** – Jacobs Bridge, upstream to Dunrobin Station Bridge, a distance of 2.5 km. The work involved the use of aerial application and the area sprayed was 100 ha. The total cost was \$35,113;
- **LINZ** – In addition LINZ funded 17 ha of spraying above the Dipton–Mossburn Road at a cost of \$4,102;
- **DOC** – Dunrobin Station Bridge, upstream to the Waterloo Burn, a distance of approximately 10 km. DOC carried out \$24,000 control work this year.
- **DOC** – Hamilton Burn from 2 km below the Mt Hamilton Road to 5.1 km above. The work involved the use of a tractor-based hand gun. \$7,000 of work was carried out.

4. Land Drainage

Work was carried out on four of the eight outfall streams in the Aparima Land Drainage Rating District.

The works cost \$42,163 from a budget of \$50,686 that is part of a four yearly cyclic drainage budget programme.

For further details, refer to Table 1 - Catchment Land Drainage Districts.

Expenditure

The district completed the 2018/19 year with a credit works account balance of \$598,435 representing an expenditure balance increase of \$57,391 on the previous year.



**Annual Summary of the Aparima Rating District
1 July 2018 - 30 June 2019**

	Budget 2018/19	Actual 2018/19
Rating District		
Balance 1 July 2018		541,044
Add income from		
general funds	106,202	100,134
transfers from reserves - Waimatuku	9,213	9,213
interest	15,800	22,421
local contributions and recoveries	-	60,741
rock sales	-	11,540
catchment rates	322,907	322,910
Linz Spraying	-	39,215
Total income		566,174
Available funds		<u>1,107,218</u>
Deduct expenditure on		
stopbank insurance	5,090	2,595
anticipated river works	143,490	172,759
drainage maintenance	50,686	42,164
floodwarning	31,640	31,640
riverbed vegetation control	94,346	155,041
cost of works misc.	-	1,312
Structure maintenance	20,000	3,149
willow control	-	-
stopbank inspection	-	8,374
transfer to reserve	-	12,800
Direct costs depreciation support costs	96,070	78,949
		<u>508,783</u>
Balance at 30 June 2019		<u>\$598,435</u>
 Disaster reserve		
Balance 1 July 2018		551,042
Add income from		
interest		15,154
contributions/transfers in (insurance)		12,800
		<u></u>
Deduct transfers out		
		<u></u>
Balance at 30 June 2019		<u>\$578,996</u>

Oreti Catchment Rating District 2018/19

(Compiled by Jim Veint, Works Supervisor and Paul Pollard, Team Leader - Catchment)

The supply of rock for erosion control works undertaken throughout the Oreti catchment is generally sourced from three Council-managed and operated quarries.

Rock required for works through the lower reach from Taramoa to Thomsons Crossing is normally obtained from the Tihaka quarry near Colac Bay. The owners, Tihaka Bay Limited, hold the consent for the quarry, but the Council operates and manages the quarry on its behalf and pays a per tonne royalty.

The Ram Hill quarry is located 8 km downstream of Lumsden and a lease arrangement is held with Land Information New Zealand, allowing Environment Southland to operate on-site. An arrangement was entered into with the adjoining landowner allowing fences to be realigned to increase the quarry size, under an agreement with Land Information New Zealand and the adjacent landowner regarding the establishment of a per tonne royalty for rock removed. This quarry supplies rock for works through the section from Thomsons Crossing to Castlerock.

The Mossburn quarry, known as Anderson's quarry, is owned by the Council, although the fence was moved further into Anderson's property some years ago and a written agreement with the adjacent landowner established a royalty payment for rock taken. This quarry supplies rock for works through the section of river from Castlerock to the top of the Oreti catchment.

Environment Southland staff are responsible for management and operation of both quarries, which includes the organisation and control of contractors that work in the quarries. Staff are required to hold and maintain a B Grade Quarry Manager's Certificate of Competency to undertake this management role. All drilling and shot firing required to win the rock is undertaken by qualified contractors.

Quarry safety is now under the jurisdiction of Worksafe NZ, and following an improvement notice being administered to one of the quarries, it was decided to obtain a geotechnical assessment of the five quarries under Environment Southland control. This has been undertaken by a specialist engineer from Opus Consultants, at a cost of approximately \$10,000 per quarry. The results of this survey are to satisfy Council's legislative responsibility for health and safety, as required by Worksafe NZ.

Control and/or repair of lateral edge erosion through the use of live vegetation requires the relocation of entire mature crack willows, which are layered along the eroding banks and secured into position using wire rope anchored to post-sized deadmen.

Works Activity

1. Anticipated River Works

During the year, 1,470 m of heavy willow protection work, using live willows, was installed at nine separate sites. In addition, 17,388 tonnes of rock was placed at 14 separate sites to combat erosion.

2. Fairway Spraying

Expenditure and work undertaken in the Oreti catchment was:

Budget	Actual Cost	Quantity
\$168,683	\$196,740 less LINZ contribution (\$21,000)	431 ha aerial and ground tractor - 131 hrs

A good season as far as the programme went for the Oreti. Southland Helicopters Limited (aerial) carried out extensive work on the mid to upper reaches of the river. Extra work was carried out spraying all the groynes and parts of the associated flood banks able to be reached by the tractor in the upper part of the Oreti from Lumsden to Rocky Point. The banks and rock groynes are not able to be easily reached from the adjacent paddocks and travelling down the riverbed and towing a handgun up the bank is the easiest way to reach them in many cases.

As part of the Southland Biosecurity Interagency relationship, the Department of Conservation continues to manage the Upper Oreti from the Windley River confluence to Mt Nicolas Station Road bridge. Environment Southland and LINZ have made an arrangement where ES staff are now directly managing parts of Southland rivers that LINZ staff were previously looking after and the Council invoices LINZ for the work. So far the arrangement is working well with the extra \$100,000 (plus GST) for all Southland rivers allowing Council staff to really get stuck into problem areas that present themselves on the various rivers in the region at no extra cost to ratepayers.

Each agency covers the following sections of river bed:

- **LINZ** – joint involvement with Environment Southland through the section of channel extending from Rocky Point, upstream to the Windley junction, a distance of 16 km. The 2018/19 work involved the use of aerial herbicide application with LINZ providing a contribution of \$21,000 (plus GST) to the work;
- **DOC** – from the Windley confluence, upstream to the Mt Nicolas Station Bridge, a distance of 38 km. Work is also carried out up the Windley River itself. The work is co-ordinated and managed by DOC staff and involves the use of aerial and ground-based equipment. Costs were \$12,500 (plus GST). DOC also spent \$12,500 on the Weydon Burn this season.

3. Land Drainage

Maintenance work to varying levels was carried out on 13 of the 21 drains and streams included in the Oreti Land Drainage Rating District. Total cost of land drainage works completed during the year was \$95,274

The annual land drainage works budget for the Oreti Rating District is \$146,679.

The annual land drainage works budget for the Oreti catchment is based on a five year cyclic programme with the actual cost associated with some years' programmes greater than the annual rate, while in other years the actual cost is less than the annual budget.

Expenditure

The district completed the 2018/19 year with a credit works account balance of \$686,616, an increase of \$92,222 over the previous year's balance.

Annual Summary of the Oreti Rating District

1 July 2018 - 30 June 2019

	Budget 2018/19	Actual 2018/19	
Rating District			
Balance 1 July 2018		594,394	
Add income from			
general funds	302,586	317,229	
transfers from reserves – leases		31,794	
Interest	26,000	27,566	
local contributions and recoveries		48,169	
rock sales		92,172	
LINZ contribution		21,000	
catchment rates	858,653	858,659	
Total income		1,396,589	
Available funds			1,990,983
Deduct expenditure on			
stopbank insurance	49,651	25,318	
anticipated river works	579,476	757,376	
drainage maintenance	146,679	95,274	
floodwarning	24,972	24,972	
riverbed vegetation control	168,683	196,740	
cost of works miscellaneous		17,759	
channel maintenance			
willow control			
stopbank inspection		15,099	
transfer to reserve			
structure maintenance	57,345	23,784	
Direct costs depreciation support	221,963	148,042	
costs		1,304,367	
Balance at 30 June 2019			\$686,616
Disaster reserve			
Balance 1 July 2018			1,485,814
Add income from			
interest			40,860
contributions/transfers in (insurance)			
Deduct			
transfers out			
Balance at 30 June 2019			\$1,526,674

Te Anau Basin Rating District 2018/19

(Compiled by Jim Veint, Catchment Works Supervisor and Paul Pollard, Team Leader – Catchment)

The Te Anau Basin Rating District was formalised during the 2009/10 year, following a lengthy community consultative process promoting amalgamation into one single rating entity (the previously separate Whitestone River and Upukerora River rating districts), and inclusion of two newly established districts, those being Upper Mararoa River and Lower Mararoa River.

The Te Anau Basin Rivers Liaison Committee is made up of representatives from each of the four separate districts and is formally recognised by Council as the community contact regarding river and land drainage management matters for each of the districts.

At its February 2014 Annual General Meeting, the Te Anau Catchment Liaison Committee made a decision to amalgamate the four river districts and the two drainage districts into the one district for administrative reporting, but continue to provide liaison members with an individual area summary at the completion of the financial year.

This is the sixth year of reporting in this manner.

Whitestone River

Works Activity

1. Anticipated River Works

- Approximately 1,700 m of existing willow protection was layered from the Mararoa confluence to Mt Prospect and 120m of heavy willow protection was installed at Carran's frontage.
- 3,280 tonnes of rock was installed at four sites to repair major erosion issues.
- 1,600 tonnes has been stockpiled at the Hillside Bridge for future use.

Upukerora River

Works Activity

1. Anticipated River Works

Culvert and erosion repairs were carried out at Johnston's and 440 tonnes of rock was installed at the Te Anau Sewerage Treatment Plan.

Upper Mararoa River (upstream SH 94 Key Bridge)

Works Activity

1. Anticipated River Works

No river works were required during the year.

Lower Mararoa River (downstream SH 94 Key Bridge)

Works Activity

1. Anticipated River Works

Dislodged willows were removed from the river bed below the Key Bridge

Riverbed Vegetation Control – All Catchments

The 2018/19 work completed as part of the ongoing program to control gorse, broom and willow growth within the floodways of the three catchment river systems within the Te Anau Basin are detailed below.

Work carried out 2018/19 - aerial:

- on the Whitestone from approx. 2 km downstream of the Mt Prospect bridge to the top end of the rating district;
- on the Mararoa from the Whitestone confluence to above the Mararoa Station Road bridge;
- on the Upper Upukerora from Ladies Mile to the top end of the rating district.

Tractor application was also carried out on the Upukerora from the Milford Highway bridge to a point approx. 7 km upstream.

Partnerships with the government agencies, Department of Conservation and Land Information New Zealand, continue to provide significant support to the Te Anau Basin control programme.

Expenditure on Te Anau Basin river corridor vegetation control work completed for the 2018/19 year was as follows:

• ES - Te Anau Basin Rating District - Upukerora, Whitestone and Lower Marora	\$151,769
• LINZ direct contributions to ES managed programmes	\$9,155
• DOC	<u>\$21,100</u>
Total Expenditure	<u>\$182,024</u>

A summary of the ES & LINZ fairway spraying programme completed within the Te Anau Basin Rating District during the 2018/19 season, with current annual budgets for each sub-catchment is as follows:

• **Upukerora River**

River corridor spraying – current annual budget \$30,280.

89 ha was sprayed by helicopter and 7 km by tractor above the Milford Highway.

• **Whitestone River**

River corridor spraying – current annual budget \$44,599.



27 ha sprayed by helicopter from the Mararoa confluence to the top end of the rating district mainly in the section from Mt Prospect to the upper limit of the rating district.

- ***Mararoa River – Weir Road to Kiwi Burn Confluence excluding Key Bridge to Mararoa Station Road Bridge***

River corridor spraying – current annual budget \$133,694.

A total 196 ha was sprayed by helicopter in this section of the river this season.

- ***Mararoa – Key Bridge to Mararoa Station Bridge LINZ section managed by ES***

39 hours of tractor spraying was carried out this season between the two bridges.

ES again managed maintenance of this section of the river, with LINZ making a contribution of \$9,155 to the work carried out in the whole Te Anau Basin.



**Annual Summary of the Te Anau Rating District
1 July 2018 - 30 June 2019**

	Budget 2018/19	Actual 2018/19	
Rating District			
Balance 1 July 2018		\$705,790	
Add income from			
general funds	108,096	77,786	
NZTA contribution			
interest	19,300	27,610	
local contributions and recoveries	42,000	109,193	
LINZ/Meridian contribution	58,000	9,155	
catchment rates	<u>210,947</u>	<u>210,938</u>	
Total income		434,682	
Available funds			<u>1,140,472</u>
Deduct expenditure on			
stopbank insurance	1,340	683	
anticipated river works	173,841	148,180	
drainage maintenance	-	3,986	
riverbed vegetation control	208,573	160,924	
channel maintenance	-	-	
stopbank inspection	-	4,118	
transfer to reserve	-	19,465	
miscellaneous works	26,702	24,438	
direct/support costs – depreciation	<u>37,002</u>	<u>38,878</u>	
		400,672	
Balance at 30 June 2019			<u>\$739,800</u>
 Disaster reserve			
Balance 1 July 2018		293,352	
Add income from			
interest		8,068	
contributions/transfers in (insurance)		<u>19,465</u>	
Deduct			
transfers out			
Balance at 30 June 2019			<u>\$320,885</u>

Drainage Maintenance Programme – Separate Drainage Districts
(Compiled by Paul Pollard, Team Leader- Catchment)

Budget	Actual Cost	Quantity
\$1,553,199	\$1,095,871	449 km

The Catchment Management Division 2018/19 Work Plan requires that a report to Council be provided on the results of the year's drainage works programme.

The following report provides the financial activity for the period. Work carried out involved:

- maintenance of 449 km of drains and streams;
- inspection of 732 km of drains and streams.

Environment Southland maintains approximately 10% of the total drainage network for Southland. It is important to the rural economy that this network of drains is maintained properly, as it provides the main outfall for many smaller and internal drainage networks servicing rural properties in the Southland region.

The following tables detail expenditure against budgets for all rating districts. The Council's new financial reporting system makes it difficult to determine the expenditure on the component drains that make up the Aparima, Makarewa, Mataura, Oreti, Waimatuku and Te Anau Basin land drainage rating districts so the tables that outlined each rating district's financial reporting in previous years have been condensed together in Table 1. The separate drainage districts are in Table 2 and the Waiau Land Drainage Rating District streams are reported in Table 3.

Table 1: Catchment Land Drainage Districts

Major Catchment Drainage Districts	Opening Balance 1/7/2018 \$	Works Income 2018/19 \$ +	Works Expend 2018/19 \$ *	Closing Balance 30/6/2019 \$
Aparima Drains	145,288	69,391	62,239	152,440
Makarewa Drains	49,824	54,988	54,997	49,815
Mataura Drains	74,058	256,463	121,620	208,901
Oreti Drains	285,815	232,968	128,394	390,389
Te Anau Basin Drains	163,028	19,174	5,361	176,841
Waimatuku Drains	6,950	60,446	46,070	21,326
Rates Gen Allocations		6,656		
	724,963	700,086	418,681	997,712

* Works expenditure in Table 1 includes direct costs.

+ Works Income in Table 1 includes Rates - \$616,478, Interest - \$28,519, General Funds - \$41,583, Local Contributions - \$6,850, Other Ext Income - \$0, Rates Gen Funds Allocation \$6,656
Total Income = 700,086

Table 2: Separate Land Drainage Districts

Separate Land Drainage Districts	Opening Balance 1/7/2018 \$	Works Income 2018/19 \$ +	Works Expend 2018/19 \$ *	Closing Balance 30/6/2019 \$
Clifton Drainage	13,663	5,555	1,178	18,040
Duck Creek	38,254	74,499	72,170	40,583
Lake Hawkins	-86,193	140,308	142,982	-88,867
Upper Waihopai	33,384	20,871	2,888	51,367
Lower Waihopai	35,371	34,208	9,727	59,852
Upper Waikiwi	73,294	18,535	5,378	86,451
Waituna Stream	130,281	97,920	164,988	63,213
Otepun Creek	23,028	23,039	46,070	-3
Upper Waikawa	11,306	9,328	3,934	16,700
Lower Waikawa	13,783	3,668	5,637	11,814
Gen Admin Rate		6,656		
	286,171	434,587	454,952	259,150

* Works expenditure in Table 2 includes direct costs.

+ Works Income in Table 2 includes Rates - \$352,552, Interest - \$10,593, General Funds - \$42,259, Local Contributions - \$15,246, General Rate Portion of Admin - \$6,656, Other Ext Income - \$5,238
Total Income = \$434,587

Table 3: Waiau Catchment Drainage Districts

Drainage District	Balance 1/7/2018 \$	Works Income 2018/19 \$ +	Works Expend 2018/19 \$	Balance 30/6/2019 \$ *
Orauea Stream	16,354	48,305	47,690	16,969
Boundary Creek	6,984	639	5,338	2,285
Sharpridge Stream	46,517	9,880	60	56,337
Lillburn Stream	380,630	44,551	52,659	372,522
Wairaki Stream	39,749	61,217	68,582	32,384
Fenham Stream	117,439	13,280	6,821	123,898
Waiau Special Projects	699,319	85,715	42,663	742,371
	1,306,992	263,587	223,813	1,346,766

* Part of total Waiau Catchment Rating District Balance

+ Works Income includes Rates - \$62,837, Meridian Contributions - \$62,837, Local Contributions - \$35,033, Interest - \$36,080, Reserve Transfer from Waiau Main Stem to Waiau Special Projects - \$66,800, Gen Rates Allocation Lilburn \$0 Total Income = \$263,587
Orauea Reserve Balance \$8,763

Riverbed Vegetation Control Programme
(Compiled by Paul Pollard, Team Leader – Catchment)

This report is to update Councillors on the programme. Contractors involved were:

- **Aerial:**
 - Southland Helicopters Ltd - Oreti, Waiau, Upper Aparima & Te Anau Basin
 - High Country Helicopters - Mataura;
 - Heliops Ltd - Lower Aparima and Hamilton Burn;
- **Ground:**
 - Phil Bevin Spraying - Wairaki and Waiau;
 - M S Contracting - Te Anau Basin, Oreti & Aparima;
 - Frank Rae - Mataura;
 - McDonough Contracting - Mataura;
 - Bush.Tech – Waikaka.

All contractors met their targets although some spraying was not completed until late April due to weather conditions before and after Christmas.

The interagency programme involving DOC, LINZ and ES continues to provide a co-ordinated approach to river bed vegetation management in the region. This season LINZ and ES agreed that ES staff would again organise the work on the sections of river that LINZ had previously controlled and LINZ would make a contribution of \$100,000 (plus GST) to cover the extra work. This continues to work well and gives ES staff a greater level of flexibility in dealing with problem sections of rivers. The Hamilton Burn and Wairaki Rivers, being examples where extra control was able to be carried out without costing the respective rating districts added expense. The Department of Conservation had a similar arrangement on the Lower Wairaki where it contributed \$20,000 to the control of gorse, broom and willow in the section of river from the Waiau confluence up to the start of the Wairaki rating district, which is above the Clifden Blackmount Road bridge.

This co-operative approach will continue for forthcoming seasons assuming LINZ's funding remains similar. LINZ and DOC's funding is dictated at central government level and previously budgeted funding levels are not always guaranteed.

Budgets and Expenditure at 30 June 2019

	Budget	Actual Cost	Quantity
Mataura	\$148,208	\$152,949	247.5 ha aerial, 55.7 km ground-based tractor (484.5 hrs)
Oreti	\$168,683	\$196,740	431 ha aerial, 20.5 km ground-based tractor (131 hrs)
Aparima	\$94,346	\$155,042	386.6 ha aerial, 2 km ground-based tractor (19.5 hrs)
Waiau	\$131,479	\$129,321	300 ha aerial, 1 km ground-based spraying (26 hrs)
Wairaki	\$10,000	\$33,630	20 ha aerial, 6 km ground-based work (165.5 hrs)
Te Anau Basin	\$208,573	\$160,924	312 ha aerial - 7 km ground (89.5 hrs)

Note: Funding from LINZ -

Oreti received \$21,000 bringing actual expenditure down to \$175,740.

Te Anau Basin received \$9,155 bringing actual expenditure down to \$151,769.

Aparima received \$39,215 bringing actual expenditure down to \$115,827.

Upper Mataura received \$7,000 bringing actual expenditure down to \$145,949.

Wairaki received \$23,630 bringing expenditure down to \$14,244.

Flood Scheme Inspections 2018/19

(Compiled by Paul Pollard, Team Leader - Catchment)

Scheduled stopbank inspections for the 2018/19 year have been completed in the Mataura, Makarewa, Invercargill City, Oreti, Aparima, Waiau and Te Anau Basin Rating Districts.

As in past years, there were a few properties where overgrazing had occurred. The occupiers and/or owners were contacted, but in several cases the problem was due to new occupiers/owners who were unaware of their obligations to look after the banks. There were no issues serious enough to compromise bank integrity during a flood situation.

An 1800 diameter wood stave culvert through the Oreti River stopbank at Dipton was replaced at a cost of \$48,126. The wood stave pipes that were installed during the construction phase of the flood schemes in the 1990s are all deteriorating and are being progressively replaced as budgets allow.

The division has recently employed a dedicated asset engineer, Oliver Prescott, whose job will be to review and oversee the provinces flood scheme maintenance. Oliver has considerable experience in this having worked for local authorities in his native England on canals and similar structures.

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 that 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 implications

There are no financial implications associated with this report.

Legal implications

There are no legal implications associated with this report.

Attachments

None