

**Minutes for Meeting of the Sounds Advisory Group
held at the Marlborough District Council, Committee Room & via Teams
on Monday, 28 August 2023 commencing at 10.00 am.**

Present: Cllr Faulls, Cllr Innes, Cllr Minehan, Monyeen Wedge (Queen Charlotte Sound), Ross Withell (Kenepuru & Central Sounds), Vic Koller (Moetapu Bay), Wayne Boustridge (Te Whanganui/Port Underwood), Rawinia Puna (French Pass), Dick Kearsley (Cissy Bay), Tim Greenhough (Okiwi Bay), Dave Hayes (DOC), George Shallcrass (Chair, Top of The South Wood Council), Steve Murrin (Marlborough Roads), Shon Emerson (Kaiuma Bay), Renée Love (Kaitohutohu Taiao (Taiao Support), Te Ātiawa o Te Waka a Māui Trust).

Attending via Teams: Linda Booth (Duncan Bay), Vikki Ambrose (MPI)

MDC Staff Attending: Katie Littlewood (Principal Coastal Scientist), Alan Johnson (Environmental Science & Monitoring Manager), Matt Oliver (Environmental Scientist – Land), Dr Sarah Pearson (Strategic Planner), Nic Dann (Regional Catchment Facilitator), Rachel Russell (Te Hoiere Project Manager) and Bernadette Brooklands (Secretary).

1. Welcome and Introductions.

Cllr Faulls welcomed Renée Love from Kaitohutohu Taiao (Taiao Support), Te Ātiawa o Te Waka a Māui Trust to her first Sounds Advisory Group hui.

Apologies –

Jodi Milne (MPI), Dr John Cretney (Cissy Bay), Cllr Burgess, Sylvie Filipo (Environmental Manager, Te Ātiawa Manawhenua Ki Te Tau Ihu Trust), Eric Jorgensen (Sustainable Seas), Lynley Perkins (Central Pelorus/Te Hoiere), Oliver Wade (Coastal Scientist)

2. Confirmation of minutes 19 June 2023 – previously emailed to members.

The minutes of 19 June 2023 were taken as read.
Cllr Faulls moved / Carried.

3. Actions from the previous meeting.

Matters Arising	Action	Person Responsible	Outcome
1	Clr Faulls to follow up with Steve Trigg (Community Risk Manager, Marlborough)	Clr Faulls	Completed. Steve Trigg to attend the November hui.
2	Portage update (ongoing item). Written item due from MDC Environmental Protection Team. Clr Faulls to email update to members.	Clr Faulls	A watching brief is being kept on the site. It is currently closed and will not be opening until all outstanding issues have been resolved.
3	Eric to speak with Ned Wells from MFA about commercial fishery involvement rather than Fisheries.	Eric Jorgensen/Ned Wells	Ongoing as Eric an apology today.
4	Are boats required to have a limited decimal level.	Captain Oliver	Ongoing. Captain Oliver has emailed MNZ and is awaiting a response.
5	Do boats in the Pelorus Sound need a wake restriction like the ferries.	Captain Oliver/Oliver Wade	Completed. Captain Oliver an apology today, however provided the following written update - The Vessel Speed Bylaw is only applicable to Queen Charlotte Sound/Tōtaranui and Tory Channel/Kura Te Au, this outlines the maximum wave height permitted. Principal Coastal Scientist Katie Littlewood advised - Most likely not, the ecological impacts seen in Queen Charlotte Sound/Tōtaranui and Tory Channel/Kura Te Au, were due to high energy wake off ferries and large ships, which was (in part) why the Bylaw was enacted. With no large ships (i.e. ferries/cruise ships) entering Pelorus it would be hard to justify the need for wake restrictions from an ecological perspective.
6	Regarding incorporating water ski lanes, how will this be monitored and will these only be allocated via Resource Consents. Captain Oliver to enquire if Worlds End is a legal ski lane.	Captain Oliver	After the previous hui, Captain Oliver noted that he is still enquiring into the ski lane, however, nothing from the Bylaw states that ski lanes are permitted under the maritime rules and the Harbourmaster regulates the

Matters Arising	Action	Person Responsible	Outcome
			use of the lanes not the creation of them. When ski lanes are in effect it is the only activity permitted in them, however if the ski lane is not being used for the intended purpose, then other activities can take place.
7	Are trucks are paying the road user charges and an extra fee for bringing logs in and out.	Clr Fauls/Marlborough Roads	Completed. See point 6
8	Enquire with the Compliance Section about the new pine plantings in Cissy Bay.	Clr Fauls	Completed. Afforestation letter circulated to members.
9	Clr Fauls and Alan Johnson will speak with Dean Heiford regarding TOR.	Clr Fauls/Alan Johnson	Completed. See point 4.
10	Invite Katie Littlewood from the Nautical Science team to speak on her previous work in the North Island.	Clr Fauls/Alan Johnson	Completed. See point 7.

4. TOR and Member Travel Expenses (Clr Faulls)

- TOR were ratified at full Council. Alan Johnson and Clr Faulls have spoken to Dean Heiford regarding one-off reimbursements. Copies are available if members require.

5. GNS Marlborough Sounds Storm Report (Matt Oliver - Environmental Scientist – Land) – See Appendix 1

- Matt Oliver presented his PowerPoint on the GNS Marlborough Sounds Storm Report. You can view more information on the MDC website on the landslide and rainfall reports.

<https://hydro.marlborough.govt.nz/>

<https://www.marlborough.govt.nz/environment>

<https://www.marlborough.govt.nz/your-council/council-committees/environment-planning-committee>

[24 August 2023 - Item 4 – 14082023 – 2023 Rainfall State of the Environment Report \(PDF, 5.5MB\)](#)

[13 July 2023 - Item 3 - Marlborough 2021 and 2022 landslide report \(PDF, 23.3MB\)](#)

- **Questions/Answers**

- A study is looking into how visitors can be advised of the dangers of landslide risks while they are staying in a rental holiday home.
- Action point for Gina Ferguson, Consents and Compliance Group Manager to speak to the hui on resource consents regarding slope failure, not just with forestry land.

Attendance – 10.52 am Steve Murrin joined the hui.

Attendance – 11.09 am Katie Littlewood joined the hui.

Attendance –11.21 am – Matt Oliver withdrew from the hui.

6. Marlborough Roads Update (Steven Murrin, Manager Marlborough Roads) – See Appendix 2

- Steve Murrin gave an update on the roading works. For full details, see Appendix 2 for the recovery newsletter.
- Trucks pay road user charges and that is it, except there is some forests in Te Whanganui/Port Underwood where the conditions of consent required the logs to be barged out. In a couple of cases, we have allowed them to truck the logs out but have charged a maintenance rate of so much per tonne.
- Daytime construction closures are planned over the coming weeks on Duncan Bay Road, 2km from the start of the road. These closures will be in place Monday to Friday from 8.30 am to 12.00 pm and 1.00 pm to 4.30 pm.
- Marlborough District Council's Assets & Services Committee has approved the establishment of a holding account to fund critical storm repairs within the Marlborough Sounds Future Access Study Area (MSFAS).

Mayor Nadine Taylor said the repairs represented "safety, possible damage to property and cost increase risks" to Council if they were not progressed soon.

"Until the Sounds Future Access Study is complete, and funding and the Financial Assistance Rate (FAR) is confirmed by the Waka Kotahi board, there is no money available to undertake critical repairs within the Marlborough Sounds," said Mayor Taylor.

The Marlborough Roads Recovery Team (MRRT) has a list of 25 sites within the Sounds that they believe need to be progressed. This funding also allows expenditure to "hold" sites, so they do not deteriorate further, as well as to progress designs on some of the more complex and critical sites within the MSFAS area.

Some of the priority sites are listed below, with more to be confirmed:

- Akerbloms Road - drainage improvements.
- Anakiwa Road - reinstate the road and lift traffic management restrictions.
- Daltons Bridge - river repairs.
- Kenepuru Road, Torea slip - build retaining wall, reinstate full width of road.
- Moetapu Bay Road, Elephant Point and Driftwood Corner - reinstate full width of road.
- Port Underwood Road, Whatamango Bay dropouts - reinstate full width of road.
- Marlborough District Council, with funding support, will subsidise water taxi services for residents, workers and visitors to areas in the Marlborough Sounds that were previously accessible by road until June 2024.

Please note there has been a further change to the water taxi subsidies, the subsidy has been revised to \$25 (including GST) per person, to a maximum subsidy of \$100 per group. This was previously per trip.

In summary, the changes that have been made to the water taxi subsidies from 1 August are:

- Introduction of a maximum subsidy of \$100 for private water taxis per group.
- A stricter eligibility check.
- Discontinued freight subsidies.

- **Questions/Answers**

- Okiwi Bay have a fire heap that has gravel on it. When will this be removed? Steve advised Tim Greenhough to take a photograph and email it to him so he can follow up.
- Thank you to Steve and his team from the community for the incredible work being done on the roads.

Attendance – 11.32 am Steve Murrin withdrew from the hui.

7. Nautical and Coastal Science Update (Katie Littlewood, Principal Coastal Scientist) See **Appendix 3**

- Katie Littlewood presented her PowerPoint presentation on coastal updates. The latest water quality report can be found here - <https://www.marlborough.govt.nz/recreation/swimming-and-boating/recreational-water-quality-reports>
- It is clear that the water is warming, and this will have an impact on the environment going forward.
- **Questions/Answers**
- The current red algae bloom in the Waikawa Marina has been tested and found not to be toxic. If a bloom is found to be toxic, an alert will be sent out via Antonio app and Facebook.
- Cllr Minehan asked if an assessment will be done at the Whangarae Estuary. Katie advised that this area is a significant natural marine site, so it is already being monitored.

Attendance – 11.49 am Dr Pearson and Nic Dann joined the hui.

8. Fresh Water and Farm Plan Regulations (Dr Sarah Pearson - Strategic Planner & Nic Dann - Regional Catchment Facilitator) - See **Appendix 4**

- Dr Pearson and Nic Dann presented their PowerPoint on the Fresh Water and Farm Plan Regulations.
- **Questions/Answers**
- Cllr Minehan asked why the Taylor River is third on the list when it is so degraded? It was noted

that these areas already have catchment care groups, and a staggered approach is needed due to the large amount of farm plans to be completed.

A short break was taken for lunch with the hui recommencing at 1.00 pm.

Attendance: 12.30 pm Renēe Love withdrew from the hui to attend another hui.

Attendance: 12.45 pm Dr Pearson and Nic Dan withdrew from the hui.

Attendance: 1.00 pm Katie Littlewood withdrew from the hui.

9. Te Hoiere Project (Rachel Russell, Te Hoiere Project Manager) - See **Appendix 5**

- Rachel Russell presented her PowerPoint on the Te Hoiere Project.
- Te Hoiere catchment has been identified as an exemplar catchment as a part of the Ministry for the Environment's *At Risk Catchments*' programme and by DOC as one of its 14 *Ngā Awa* rivers. The MDC seeks to meet its legislative responsibilities for water quality and Ngāti Kuia strives to implement their kaitiakitanga responsibilities associated with the catchment.
- The current environmental quality of Te Hoiere catchment is good, but is deteriorating. This is evident in some of the sub-catchments, where water quality is being degraded, with impacts on the receiving environment; the Motuweka/Havelock Estuary suffers from sedimentation. The Project aims to tackle these problems before the state of the catchment is beyond repair.
- Te Hoiere is a landscape with a rich cultural history, multiple stakeholders, a strong primary industry presence, a range of community and customary values and recreational uses. This Project seeks to bring people together to carry out landscape scale restorative actions to increase catchment health and put measures in place to prevent further degradation. Without engaging the local community, integrated management of the catchment will not be possible. Without the structure, direction and resources that the Project proposes, the communication needed to bring about large-scale changes, risks becoming diluted and ineffective.
- Due to restricted Agency and Iwi resources, the Project partners alone cannot achieve the outcomes necessary to implement change. A collaborative approach is vital to improve whanaungatanga - the relationships required to reach mutually desirable catchment outcomes, where the pride of work effort and sense of belonging belongs to the people and future generations.
- See here for further information <https://www.marlborough.govt.nz/environment/te-hoiere-pelorus-catchment-restoration-project>

Attendance : Rachel Russell and Vikki Ambrose withdrew from the hui 1.25 pm.

10. DOC Update (Dave Hayes)

- Te Pākeka/Maud Island is thought to have had a singular mouse detected however after a thorough search no further mice were located.
- Dan Moore leads a project on Rangitoto ki te Tonga/D'Urville Island to restore a wetland with the next focus on the lake which has consistent algae blooms. The wetland is mainly freshwater source. It is a delicate ecosystem at present.
- Several weeks ago, a humpback whale delayed the ferry at Picton/Waitohi before heading out to the strait.
- Blumine Island/Oruawairua is a predator free island and the mohua parrots that were released there as part of a breeding programme are now doing well. From the DOC website - *Orange fronted parakeet were translocated to the island in 2011 and 2012. These birds are classified as "nationally critical" and the species has a high risk of extinction. They survive in only a handful, isolated populations. Blumine Island offers a unique opportunity to see a species that was once widespread throughout New Zealand but is now our rarest parakeet.*
- Queen Charlotte track work continues after the weather event and is now in a presentable state for the public.
- The Perano whaling station has parts of it shut off from the public due to safety concerns

regarding the old metal falling down. From the DOC website - *If you visit the site, please be aware that all buildings and concrete areas with poles and beams are closed. Follow all signage and stay out of the barriered areas. The toilet area is still accessible.* DOC are enquiring into the heritage status.

- The lighthouse keepers house will stay unoccupied due to a slip that came down behind the house. It is no longer safe to have anyone to occupy the house for now.
- The Pelorus Bridge café and campground has a tender vacancy. DOC has received some interest.
- Sounds foreshore permits and renewals are steady.
- The Picton Dawn Chorus and Kaipupu will be merging into one.

11. **MPI UPDATE** – (Vikki Ambrose)

- The decision paper to prohibit commercial kina dredging in Tory Channel/Kura Te Au will have gone to the Minister.
- Jodi Milne will no longer be attending the Sounds Advisory Group due to commitments to other areas of MPI.

Attendance: 2.10 pm Linda Booth withdrew from hui.

12. **Sounds Representatives Updates**

- **Rangitoto ki te Tonga/D'Urville Island** (Poneke Rene) – Nil
- **Kenepuru & Central Sounds Residents Association (KCSRA)** – (Ross Withell)
 - Appreciate the work that Marlborough Roads is doing, however a lot of work still needs to be done in this community.
 - Portage ongoing.
- **Sustainable Seas** (Eric Jorgensen) – Apology
- **Moetapu Residents Association (Mahau Sound Outward Bound)** (Vic Koller)
 - The community has ten thousand dollars to carry out further deer culling. The area is approx. 300 hectares.
 - Good news regarding Moetapu Road to be repaired.
- **Queen Charlotte Residents Association** (Monyeen Wedge)
 - Lochmara Lodge is closed for the winter.
 - Deer and pigs are back in the bay.
 - There are some residents/holiday homeowners considering moving from the bay after the recent weather events.
- **Te Whanganui/ Port Underwood Residents Association** (Wayne Boustridge)
 - Residents are in holding pattern while awaiting the outcome of the Future Access Study.
 - The Port Underwood community safety plan has been finalised with the assistance of the Emergency Management Team. This should be available on the portal shortly.
- **Top of The South Wood Council** (George Shallcrass)
 - Nil further to add.
- **Te Aumiti/French Pass** (Rawinia Puna)
 - Next year the Rai Valley refuse center will be opening 24/7 to meet the needs of the

community and will be free.

- There has been a reported increase in exotic pest plants.
- Advise Clr Faulls of the community meeting schedule so that MDC staff may be able to come and speak on relevant topics.
- Residents would like to have discussion on the Bulwer Scenic Reserve.
- Rawinia invited the members to attend the next hui in Te Aumiti/French Pass and requested that one hui each year be in an outer Sounds location.

- **Duncan Bay Residents Association** (Linda Booth) – Nil
- **Outer Pelorus** (Emma Hopkinson-Young) – Nil

- **Central Pelorus (Hopewell)** (Lynley Perkins) – Apology
- **Okiwi Bay** (Tim Greenhough)
 - The local hall is being repaired and should be painted this week.
 - The upgrade of the water scheme will commence in September and will then be compliant as per the new regulations.
 - The community have recently been funded by Council under the Small Townships project. This enables communities to enhance their local area, for example adding basketball hoops for the young people, a new picnic area etc.

- **Cissy Bay**
 - Attended by Dick Kearsley as Mr Cretney is on leave.
 - The community cleared the debris from the water tables and the water quality in the bay is improving after the sediments have dispersed.
 - A conversation was held regarding fuel. An above ground fuel tank may be looked at for D'Urville, Elaine Bay and Cissy Bay areas as the old underground tanks are not viable.

- **Kaiuma Bay** (Shon Emerson)
 - Kaiuma Bay is a private subdivision and now has just over 40 permanent residents. Stage three is being planned.
 - Residents concerned about the downstream sedimentation.
 - Kaiuma Bay has officially formed a resident's association and the Body Corp looks after the power and septic tank etc. The association continue on their quest to source the insurance for the septic tank. There may be a rotation of members attending to SAG from Kaiuma Bay.
 - Residents are finding it difficult to purchase MDC rubbish bags in Havelock. It was noted that this may have been a short-term supply issue. Rubbish bags can be purchased in Blenheim and Picton.

- **Te Ātiawa Manawhenua Ki Te Tau Ihu Trust** (Renēe Love - Kaitohutohu Taiao (Taiao Support) –
 - Nil update as Renēe put in her apologies prior to the representative updates section to attend another hui.

- **Clr Ben Minehan**
 - The Long Term Plan is coming up. This is a future forecast for the following ten years. Submissions will be called for in March 2024. This is the communities' chance to voice their options on future plans for Marlborough.

To view the information on the MDC website see here -
<https://www.marlborough.govt.nz/your-council/long-term-and-annual-plans-policies-and-reports/long-term-plan/2021-31-long-term-plan>

13. General Business

- Clr Minehan enquired about the Passive Acoustic Monitoring (PAM) buoy system to identify marine mammals in the Marlborough Sounds.
- Dave Hayes from DOC advised that this was used for the Sail GP for the safety of the animals. DOC felt that it would not be ideal to have mammals targeted in this way in the Sounds. This was in relation to a Stuff article. Hydrophones can provide good data on the mammals, but DOC is not in favour of it being used as a tourist tool.
- The final hui for the year will be on Monday 27 November commencing at 10.00 am (Please note that this date has been changed from the 20 November due to another Council meeting being held on this day). Location TBC.

There being no further general business, the closing karakia was performed by Rawinia Puna and the hui closed at 2.52 pm.

Matters Arising	Action	Person Responsible
1	Portage update (ongoing item).	Clr Faulls
2	Eric to speak with Ned Wells from MFA about commercial fishery involvement rather than Fisheries.	Eric Jorgensen/Ned Wells
3	Are boats required to have a limited decimal level.	Ongoing. Captain Oliver has emailed MNZ and is awaiting a response.
4	Invite Gina Ferguson, Consents and Compliance Group Manager to speak on resource consents regarding slope failure (not just with forestry land).	Clr Faulls
5	Invite Matt Oliver to speak on the geomorphology report.	Clr Faulls / Alan Johnson
6	Invite Steven Rooney or the new Waste Manager to speak on the waste in areas such as in Kaiuma Bay.	Clr Faull s/ Alan Johnson
7	Provided Clr Faulls with the community meeting schedule.	Clr Faulls / Rawinia Puna
8	Send Steve Trigg from FENZ a calendar invitation to speak at the November hui regarding evacuation plans.	Bernadette Brooklands



Mapping and Field Investigations of landslides

July 2021 and August 2022 Storms

13 July 2023
Matt Oliver

Background

Two major storms

- Two storms 2021 and 2022
 - 2021- 54-hour event
 - Measured rainfall max 314mm (ARI 10 to >250yrs)
 - 2022- 96-hour event
 - Max cumulative rainfall 1026 mm (ARI >250yrs)
- Widespread damage leading to extensive responses
 - Sounds Future Access Study



marlborough.govt.nz

Background

GNS Assistance

- GNS aided Council to document both landslide events
- Council have documented events in the past, but GNS assistance has 'raised the bar' significantly.
 - Expert reconnaissance and mapping
 - Expert measurement at landslide sites
 - Scientific analysis of landslide mechanisms, impacts and causes.
- Staff are grateful to GNS for their prompt action, knowledge and persistence over the past 2 years.
 - We greatly appreciate their commitment to Marlborough while working with very heavy workloads across all the other regions impacted



GNS Landslide response team L to R:
Andrew Boyes (Drone Pilot)
Sheng-Lin Lin (Structural engineer)
Andrea Wolter (Engineering Geologist)

Not Shown Brenda Rosser and Dougal Townsend
(Geologists- reconnaissance flights)

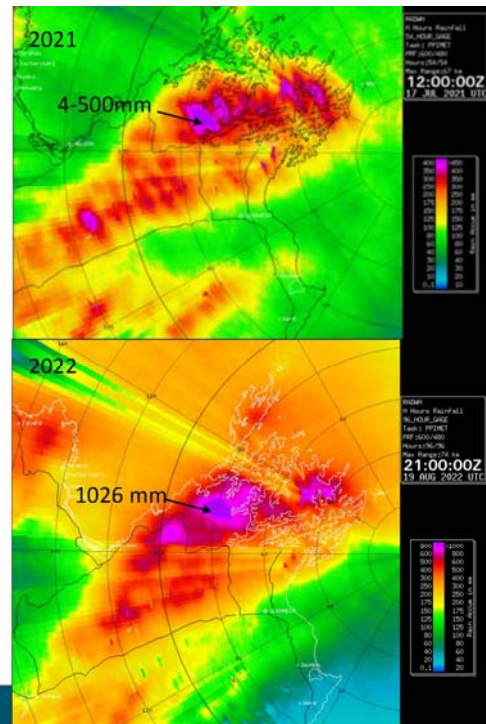


Brenda Rosser and Andrea Wolter



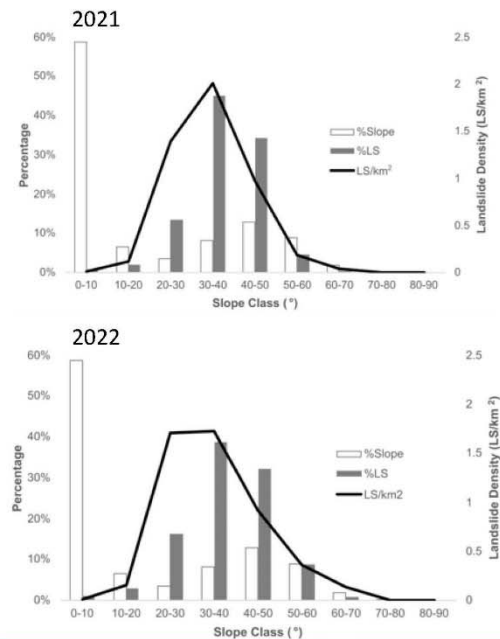
Technical Outcomes

- Gauge-corrected Rain Radar (Metservice)
 - Now available during an event to monitor rainfall
 - Can “fill in the blanks” between rain gauges
 - Enables more accurate assessment of landslide causes
- Assessment of building impacts (GNS)
 - Follows a stringent process
 - Helps with understanding hazard and cost of impacts
- Use of Drone technology (GNS)
 - To map landslides
 - Comparison with LiDAR enables volume measurement
- Use of spatial analysis (GNS)
 - Rain radar combined with geology, soil, slope, land cover spatial data assists with assessment of cause.
 - Manual mapping effort required – 7500 landslides!
- Two published papers
 - Bloomberg- Journal of Forestry Science
 - Phillips- In press, NZ Soil Science Society Conference



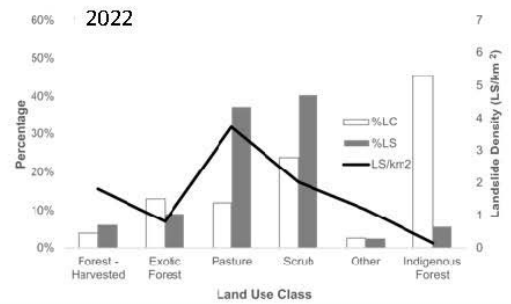
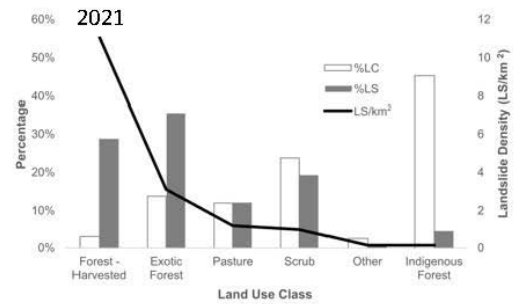
Land Use Outcomes

- **The two storms were different.**
- **Rain fell in different places, across different geology, different slopes, different landcover and at different intensities.**
- In 2022 the soil was wetter ahead of the storm than in 2021
- The basic statistical analysis in the report indicates landslide density over 1.5 LS/km² appears to indicate a possible causal factor.



Land Use Outcomes

- The two storms were different.
- Rain fell in different places, across different geology, different slopes, different landcover and at different intensities.
- Where the rain fell, there was damage
- Except in indigenous forest



Damage Outcomes

- The two reports document damage suffered by 18 properties.
 - Damage ranged from minor to severe.
- Many more properties were damaged across the Sounds
 - Many buildings have been destroyed or will need to be demolished
- At least 2 were occupied when landslides hit.
- There have been impacts on the marine environment, sediment loss to rivers and damage to farm and forestry land and infrastructure.
- Viewing this damage first-hand is disturbing.
- Experiencing it must be traumatising.



Recommendations

Report Recommendations

- Slopes >10-15° with >100mm rainfall over 2-3 days – increased risk. TARPs?
- Improving understanding of underlying materials.
 - Council has Radiometric data that can assist with this.
- Update LCDB and map relic landslides.
- Analyse the 2021 & 2022 storm data further using multi-variate analysis
 - Beyond the scope of this report but would enable better understanding of causes
- Train the Rainfall Induced Landslide model for Marlborough
 - Undertake risk analysis and identify at-risk locations



Staff Recommendations

- Prepare a paper to the LTP to resource a Natural Hazards programme including landslides
- Incorporate all existing Council knowledge into risk assessment
 - Debris flow analysis, previous reports

Marlborough Roads



Marlborough Roads Recovery Update

24 August 2023 | Next Edition 31 Aug 2023

This Week's Summary

Construction of a new slope stabilisation wall continues on Duncan Bay Road in the French Pass, approximately 2km from the start of the road. **Closures at this location are in place from Monday to Friday** and will continue for the coming weeks. Please see the Road Closure section for more information.

Works are being undertaken at three locations on Queen Charlotte Drive, locations are between Cullen Point and the Aussie Bay Campsite. These works will continue over the coming weeks under stop/go traffic management, please expect delays.

In the week starting Monday 28 August, crews will be working on a fourth site on Queen Charlotte Drive, 900m beyond Cullen Point when travelling towards Picton.

Works have been undertaken this week on Delta Lakes and Centre Valley roads.

Crews have undertaken slip clearance works this week, clearing bridges and repairing culverts in the Seddon and Ward areas.

Clearing of culverts, slips and water tables were undertaken along Northbank and Onamalutu roads last week.

Keep reading for information on:

- Road Closures
- New fund approved for critical Sounds' storm repairs
- Water and Air Taxi Subsidies
- Restricted Access Roads
- Awatere Valley
- French Pass
- Northbank
- Queen Charlotte Drive
- Seddon/Ward
- Wairau and Waihopai Valleys
- More Information

Road Closures

Daytime construction closures are planned over the coming weeks on **Duncan Bay Road**, 2km from the start of the road.

These closures will be in place **Monday to Friday** from **8.30am to 12.00pm and 1.00pm to 4.30pm**.

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- Anakiwa Road - reinstate the road and lift traffic management restrictions
- Daltons Bridge - river repairs
- Kenepuru Road, Torea slip - build retaining wall, reinstate full width of road
- Moetapu Bay Road, Elephant Point and Driftwood Corner - reinstate full width of road
- Port Underwood Road, Whatamango Bay dropouts - reinstate full width of road

The full media release can be found on the [Council's website](#).



The school bus carefully navigates the Elephant Point slip on Moetapu Bay Road

Water and Air Taxi Subsidies

Marlborough District Council, with funding support, will subsidise water taxi services for residents, workers and visitors to areas in the Marlborough Sounds that were previously accessible by road until June 2024.

Please note there has been a further change to the water taxi subsidies, the subsidy has been revised to \$25 (including GST) per person, to a maximum subsidy of **\$100 per group**. This was previously per trip.

In summary, the changes that have been made to the water taxi subsidies from 1 August are:

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- A stricter eligibility check.
- Discontinued freight subsidies.

More information on barge and water taxi subsidies is available on the [Council's website](#).

Restricted Access Roads

To check the status of a road before you travel, please visit the [Civil Defence Emergency Map](#).

Some roads remain restricted to resident and emergency or essential service access only and some with other restrictions.

For a full list of what is deemed an emergency or essential service visit the [Marlborough District Council's website](#).

Kenepuru Road to the Heads, and its side roads including Moetapu Bay Road

This section of Kenepuru Road and its side roads are restricted to residents and emergency or essential services only. They are not suitable for non-residents.

These roads have severe storm damage and entry into this section of Kenepuru Road is at resident and emergency or essential service drivers' discretion.

Residents only are permitted to walk and cycle on the restricted access section of Kenepuru Road and Moetapu Bay Road.

Extreme care should be exercised and daylight driving only is strongly recommended.

The following restrictions also apply on this section of Kenepuru Road and Moetapu Bay Road;

- No campervans, vans or buses.
- Only 4WD and light vehicles under 3.5 tonnes. No HCV.
- On Kenepuru Road, between Moetapu Bay to The Heads, no vehicles more than eight metres in length.

There are the following hazards on this section of Kenepuru Road and Moetapu Bay Road;

- Slips.
- Drop outs.
- Single lane in places.
- Increased hazard during rain.
- Uneven surfaces and gravel sections.

If you know any non-residents who might be considering visiting the Kenepuru area, please advise them to make use of the Council's water taxi subsidy. Water taxi services can be booked through the Picton, Blenheim and Havelock i-SITES or directly with the provider.

Visit the [Marlborough District Council website](#) for more information.

Other Restrictions

Queen Charlotte Drive is open to all vehicles less than 12.6m. Vehicles over 12.6m must obtain a permit from Marlborough Roads to drive on Queen Charlotte Drive.

Anakiwa Road is open to vehicles less than 12.6m. Beyond Tirimoana Jetty, only light vehicles weighing less than 3.5 tonnes are allowed, unless by prior arrangement.

French Pass and Tennyson Inlet are accessible, but drivers should be aware that the road is narrower than usual in some sections.

Please be aware that on all roads, including those with public access, there may be areas of works and traffic management in place. Please expect delays and follow all signage and traffic management.

Heavy rain may lead to roads needing to be closed urgently. No matter the status of the road, drive to the conditions.

Awatere Valley

Works to repair a scour on a water table, flush culverts and build headwalls was completed on Taylor Pass Road last week, 2km from the Awatere Valley turnoff.

This week minor works were undertaken on Medway Road including the clearing of slips and flushing of culverts.

Next week, crews will be working on Awatere Valley Road, approximately 8km from the turnoff of Gladstone Road, when heading towards the Molesworth. These works will include scour repairs, water table shaping and clearing of overslips.

French Pass

Construction of a new slope stabilisation wall continues on Duncan Bay Road, approximately 2km from the start of the road. Works this week and last week have focused on drilling and grouting nails into the underslip. This work will continue next week, to complete the lower rows.

Closures at this location are planned over the coming weeks. These closures will be in place **Monday to Friday from 8.30am to 12.00pm and 1.00pm to 4.30pm.**

Metalling works are continuing in the French Pass area over the coming weeks, as weather allows.



Nails have been grouted into the upper rows for the slope stabilisation wall

Northbank

Last week crews worked on Northbank Road at various locations filling drop outs, clearing culverts, tidying up water tables, installing and realigning sight rails, and clearing debris and trees from two bridges.

Works to clear culverts along Onamalutu Road were also undertaken last week.



Clearing bridges and culverts on Northbank Road

Queen Charlotte Drive

Work started last week on a road retreat and fill site at two **locations** on Queen Charlotte Drive. The road retreat site is approximately 500m beyond **Cullen Point Lookout** and the fill site is 100m past **Pukenui Road**, when travelling towards Picton.

This week works started on a third site for a road retreat on Queen Charlotte Drive, 120m past the **Aussie Bay Campsite**, when travelling towards Picton.

In the week starting **Monday 28 August** works are planned for a fourth site on Queen Charlotte Drive, located 900m beyond **Cullen Point Lookout**. These works are also for a road retreat to widen the road at this location.

These sites will be under stop/go traffic management. Please note there will be **increased truck movements** while these works are being carried out. **Please expect delays.**



An aerial view of the road retreat site near Cullen Point, Queen Charlotte Drive



<https://nzta-marlboroughroadsrecovery.cmail19.com/!t-e-zkdkddd-ykklijjyh-r/>

7/10

Vegetation has been cleared and a top bench formed at a road retreat site near Cullen Point

Seddon/Ward

Crews undertook works last week in Seddon and Ward clearing trees and debris from Tallots Road Bridge and repairing a culvert scour on Waterfalls Road.



Rock armour has been installed to fix a culvert scour on Waterfalls Road



Debris cleared from Tallots Road Bridge

Wairau and Waihopai Valleys

This week, works were undertaken on the first 4km of Delta Lakes Road, clearing overslips and water tables.

Works were also undertaken this week along the first kilometre of Centre Valley Road, repairing scours in water tables and clearing culverts.

In the week starting **Monday 28 August**, retreat and scour repairs are planned on Leatham Road, 7km from the SH63 turnoff.

More Information

If you require welfare support contact recovery@marlborough.govt.nz or phone Council on 03 520 7400.

For local roading alerts/updates go to [Marlborough District Council's website](#).

Sign up to the [Antenno app](#) to receive notifications on your phone.

Check the [Civil Defence Emergency Management map](#) for road access restrictions.



Nautical and Coastal Updates

State of the Environment - Estuaries

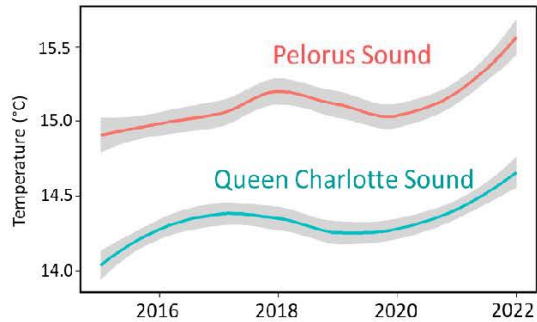
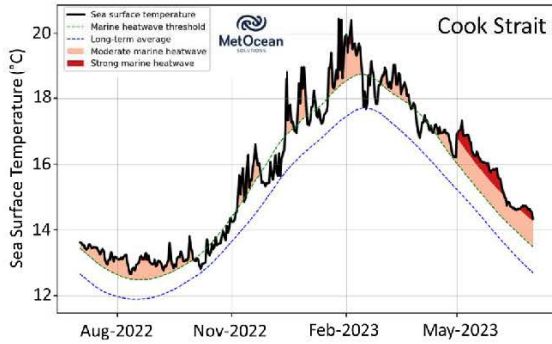
- SOE report for Whangarae Estuary was completed in July 2023
- Overall score 'very good' condition

Table 2. Summary of broad scale indicator condition ratings.

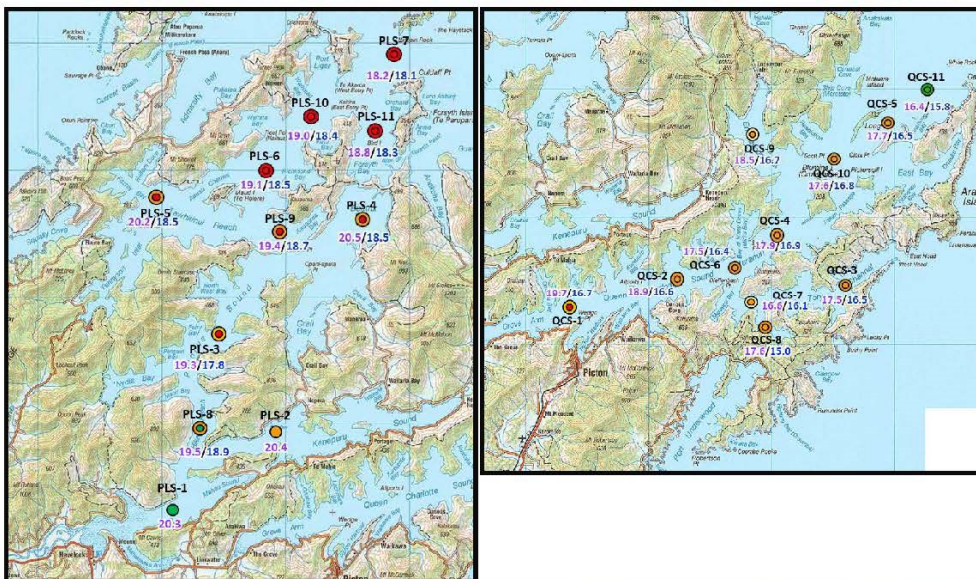
		Very Good	Good	Fair	Poor
Broadscale Indicators	Unit	2016*		2023	
Mapped indicators					
200m terrestrial margin	% densely vegetated	97.0 ¹		95.9 ¹	
Mud-elevated substrate	% intertidal area >25% mud ²	11.9		12.9	
Macroalgae (OMBT ³)	Ecological Quality Rating (EQR)	0.959		0.960	
Seagrass (2016 baseline)	% decrease from baseline (2.0ha in 2016)	baseline		32	
Seagrass (1943 baseline)	% decrease from baseline (~5.1ha in 1943)	61		74	
Salt marsh extent (current)	% of intertidal area	8.1		7.5	
Historical salt marsh extent ⁴	% of historical remaining	>80%		>80%	
High Enrichment Conditions	ha	0.0		0.0	
High Enrichment Conditions	% of estuary	0.0		0.0	

State of the Environment – Water Quality

- Ongoing water quality monitoring in QCS and PLS
- SOE report 2022 highlights record-breaking temperatures in both QCS (20.8°C) and Pelorus (20.4°C)
- Driven by prolonged heat waves in the Cook Strait



State of the Environment – Water Quality



Sampling site locations in PLS and QCS.
Red circles: highly significant increase of temperatures from 2015 to 2023 (based on Sen-slope estimates of temperature anomalies). **Orange circles:** significant increase of temperatures from 2015 to 2022. **Green circles:** no significant change of temperatures within this time span.
Large circles: temperature trend at 1m depth, *small circles:* temperature trend at 20m depth. Numbers in brackets indicate maximum temperatures measured at each site for the year 2023 at 1m and 20m depth (**purple:** 1m, **blue:** 20m)



State of the Environment – ESMS

- Continuing with ROV work to survey existing ESMS in QSC
- Data review assess general ecological state (biodiversity and community composition)
- Evaluate temporal trends and changes to SOE



Mussel Restoration Project

- Supporting ongoing research from UoA, NIWA and MFA







Freshwater Farm Plans

Sounds Advisory Group
28 August 2023

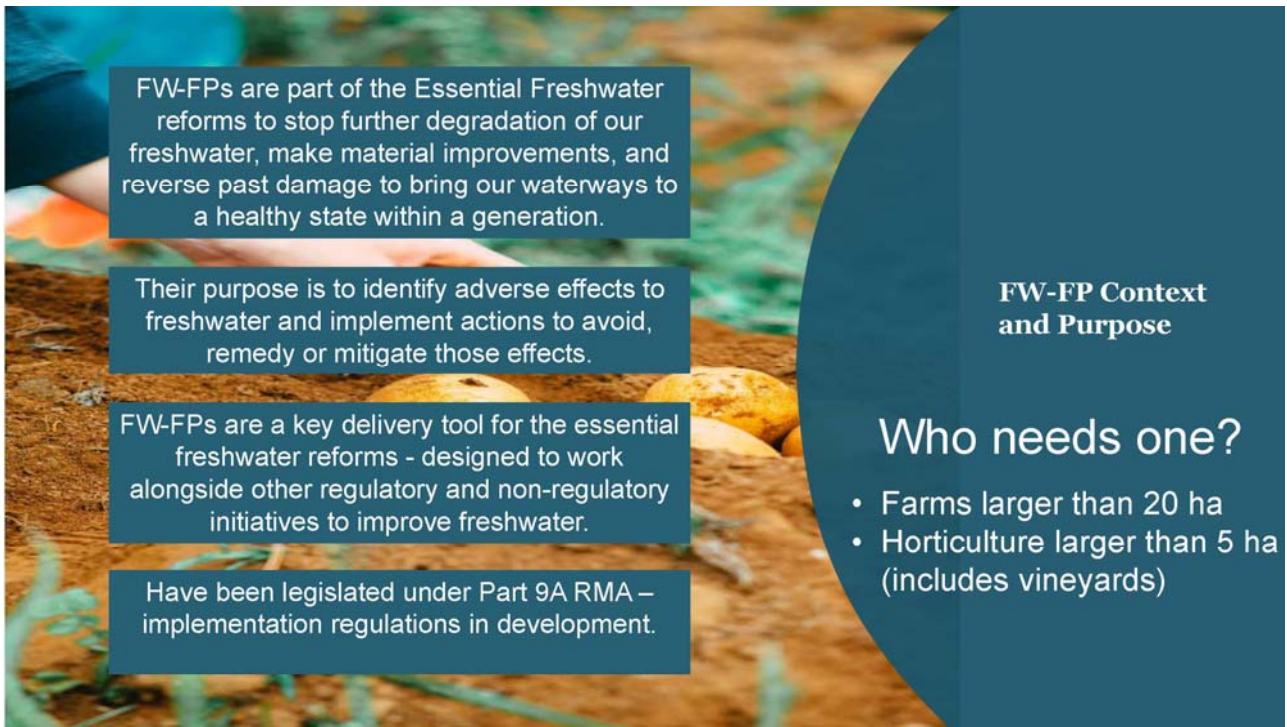
Sarah Pearson – Strategic Planner
Nic Dann – Regional Catchment Facilitator



2023/113

Resource Management (Freshwater Farm Plans) Regulations 2023

- Gazetted 6th June 2023.
- 1st August FWFP required in parts of Southland and Waikato.
- Plans will be rolled out to all regions by the end of 2025.
- Marlborough region required to start roll out from mid-2024.
- Each region can determine the order in which it “switches catchments on”.



FW-FPs are part of the Essential Freshwater reforms to stop further degradation of our freshwater, make material improvements, and reverse past damage to bring our waterways to a healthy state within a generation.

Their purpose is to identify adverse effects to freshwater and implement actions to avoid, remedy or mitigate those effects.

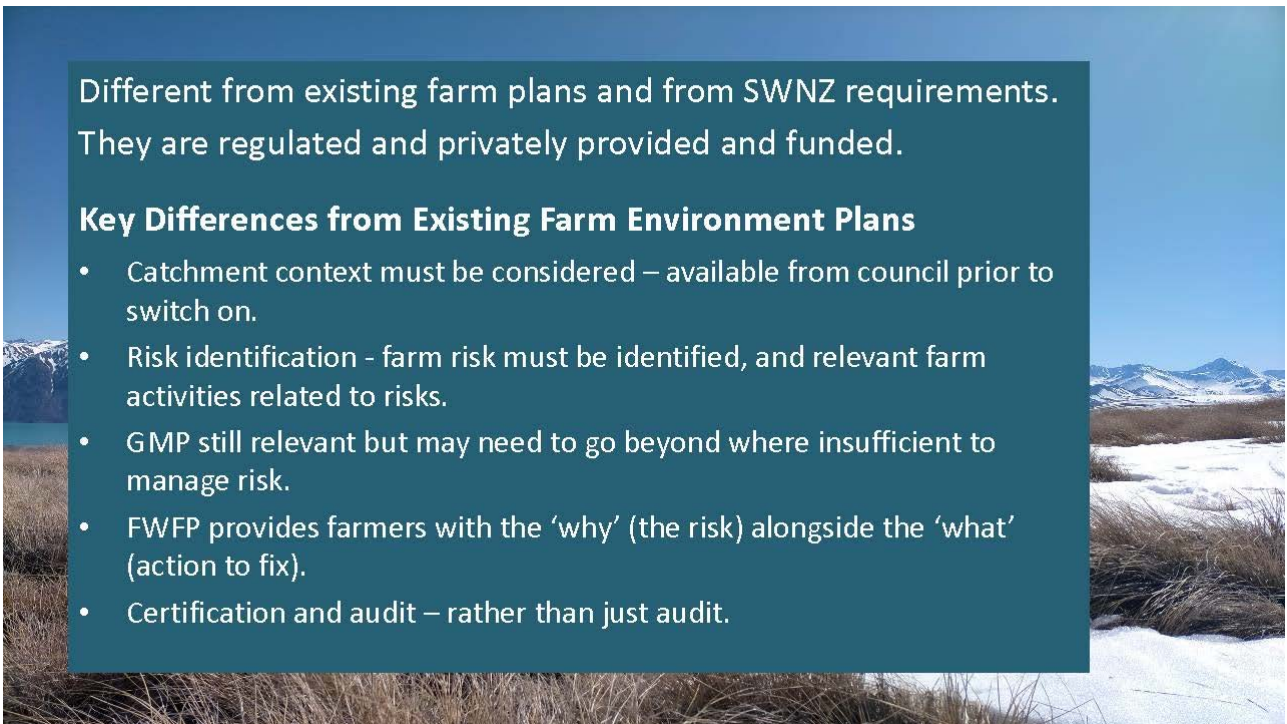
FW-FPs are a key delivery tool for the essential freshwater reforms - designed to work alongside other regulatory and non-regulatory initiatives to improve freshwater.

Have been legislated under Part 9A RMA – implementation regulations in development.

FW-FP Context and Purpose

Who needs one?

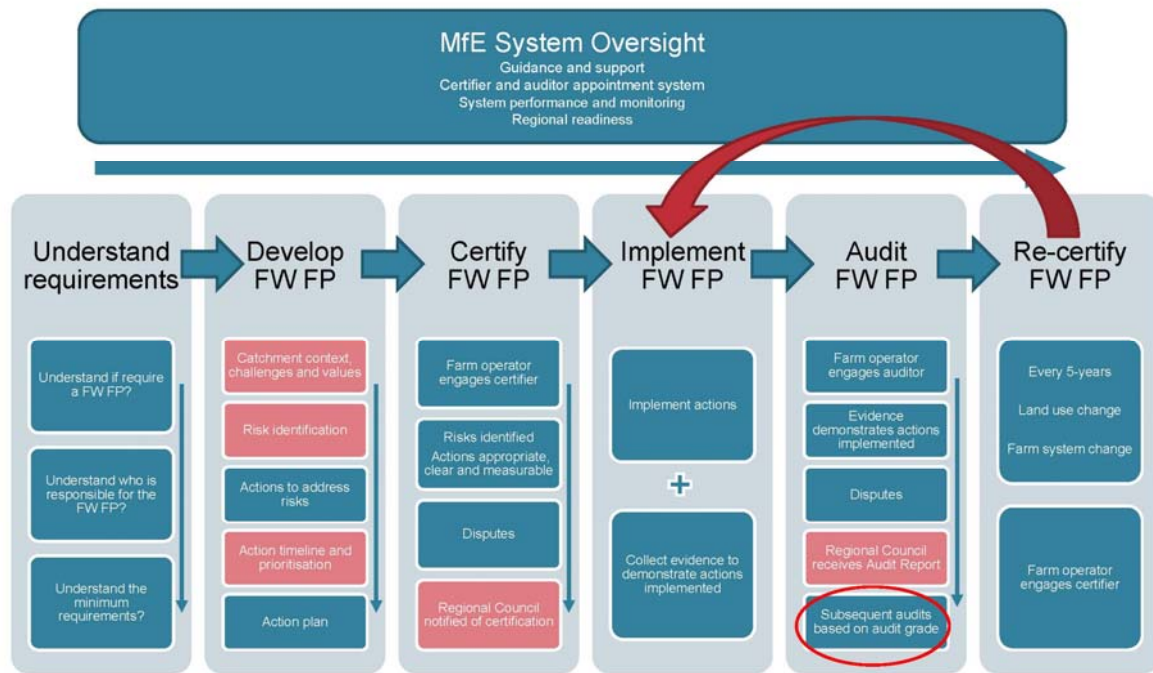
- Farms larger than 20 ha
- Horticulture larger than 5 ha (includes vineyards)



Different from existing farm plans and from SWNZ requirements. They are regulated and privately provided and funded.

Key Differences from Existing Farm Environment Plans

- Catchment context must be considered – available from council prior to switch on.
- Risk identification - farm risk must be identified, and relevant farm activities related to risks.
- GMP still relevant but may need to go beyond where insufficient to manage risk.
- FWFP provides farmers with the 'why' (the risk) alongside the 'what' (action to fix).
- Certification and audit – rather than just audit.



Notable Timelines within the system

- After a catchment has been 'switched on', the farm operator has 18 months to develop a FWFP (and action plan) and appoint a certifier.
- The farm operator must implement the actions specified in the action plan within the timeframes required in the action plan.
- A farm operator has 12 months after certification to arrange for an audit of the FWFP for compliance.
- An A-grade audit allows a 3-year re-audit time frame. Lower grades receive shorter re-audit timeframes.
- Farm operators must amend and submit the plan for re certification no later than 5 years since the last certification or within 12 months of any significant changes to the farm system.



Regulatory requirements on Council

- Provide CCCV- Catchment Context, Challenges and Values.
- Engage with Iwi and community.
 - Interaction with iwi is specifically required under legislation to address matter of importance to them.
- Develop training for certifiers and auditors.
- Appoint certifiers and auditors.
- Keep records of certified FWFPs and audit results.
- Monitor and enforce compliance of FWFPs.
- Update CCCV on on-going basis.



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Non-Regulatory Assistance from Council

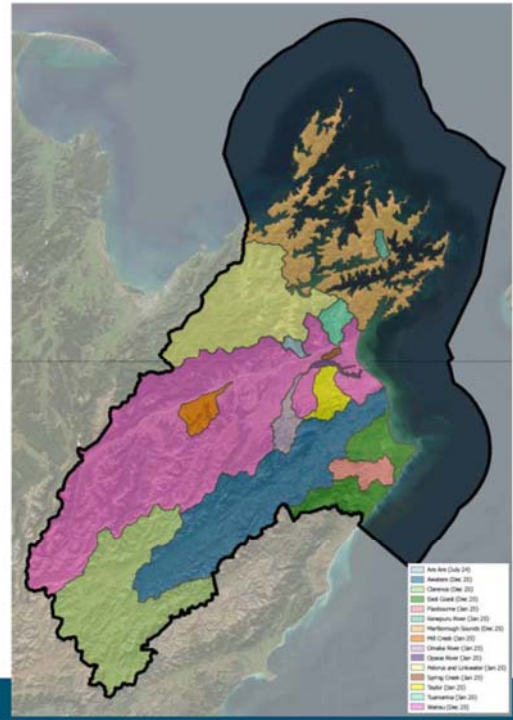
- Catchment Care programme.
 - Catchment Condition surveys.
 - Catchment prioritisation.
 - Mitigation information.
 - Implementation funding where catchment initiatives exist.
- Regional rollout requires coordination across multiple Council teams
- Council is also liaising with:
 - Other councils and Te Uru Kahika
 - FWFP mapping providers.



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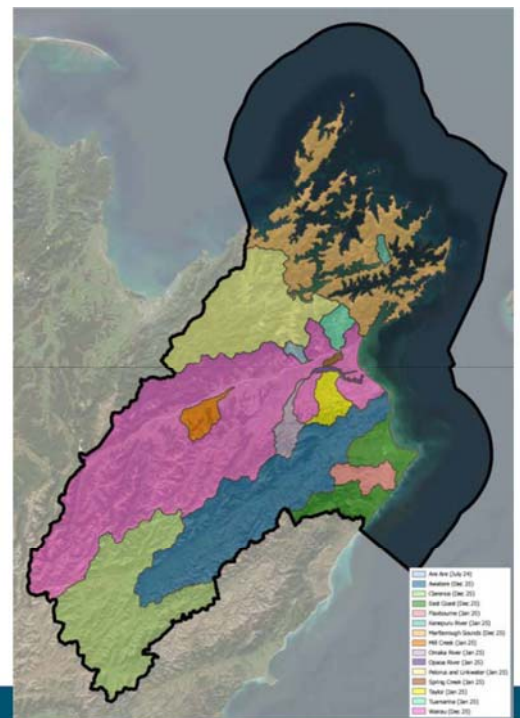
FWFP in Marlborough

- Required to provide roll out order to MfE by end of August 2023.
- Rollout starts mid-2024 with all catchments 'on' by end 2025.
- Aim to align as much as possible with the variation to the pMEP to implement the NPSFM to be notified Dec 24.
- Start with catchments listed as degraded or at-risk in the pMEP.



Proposed Roll Out Order

Start Date	Catchments	No. of Farms	No. of Vineyards
Mid-2024	Are Are Creek	~8	~12
Start 2025	Tuamarina River, Pelorus River, Flaxbourne River	~170	~8vy
Mid-2025	Mill Creek, Taylor River, Omaka River, Opaoa River, Spring Creek, Kenepuru.	~72	~250
End 2025	Rest of the catchments	~500	~700
	Totals	~750	~970



Rollout considerations

- Align with pMEP freshwater variation.
- Address catchments already identified as having water quality issues in pMEP first
- Consideration of :
 - capacity within Council
 - regional farm planning, certifier, auditor workforce development
- Allow time to collate and disseminate CCCV
- Use of “The Bridge” and INFDP data systems



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Next Steps

- Upon approval of rollout order- submit to MfE for OIC drafting.
- Engagement with Iwi, community, industry groups on FWFP requirements.
- Develop an Implementation Plan, this will include
 - Development of more detailed comms. Material underway.
 - Development of CCCV.
 - Development of certifier and auditor training material.
- Commence delivery of training (Asure Quality).



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Te Hoiere Project | BACKGROUND

- Exemplar Catchment – MfE, At Risk Catchment Programme
- One of 14 Ngā Awa Priority Rivers – DOC
- Te Hoiere Charitable Trust Board | 5 trustees - 2 special advisors
- 70 ICEP objectives
- 112,000 Ha excluding Pelorus Sound



Ngā wawata | Aspirations

Oranga Ngahere | Native biodiversity flourishes

Te Hoiere/Pelorus forests ring with birdsong. Native plants, birds, bats, snails, and insects flourish. In rivers, streams, estuaries, and inlets, taonga populations are abundant and self-sustaining. Ecosystems are healthy and well-connected providing vital ecological pathways and resilience.

Oranga Wai | Freshwater sustains life

Freshwater is clean and clear, sustaining aquatic life, wildlife and the people that rely on it. Flows preserve and support healthy ecological function through seasonal and annual variations. The changing climate is considered in decision making, to ensure water use does not impede the environment's resilience.

Oranga Whenua | Landscape character is preserved

Upper catchments are rugged, wild, pristine and peaceful. Rural catchments maintain an uncrowded character, with a patchwork of protected areas and productive land. People preserve and cherish this diversity while enjoying a flourishing natural environment.





Ngā wawata | Aspirations

Oranga Ahikā | Te Hoiere is a place of Māori origin and connection

Whakapapa associations with Te Hoiere are **respected and celebrated**. Ngāti Kuia are acknowledged as ahikā of Te Hoiere awa and moana, a status shared by Rangitāne along the Kaituna awa. Iwi traditions and relationships to te Taiao and wāhi tapu are **protected, encouraged, and revitalised** through targeted restoration activities, cultural participation and whānau employment. Ngāti Koata, Ngāti Tama ki Te Taihū, Ngāti Toa Rangatira, Rangitāne o Wairau, Te Ātiawa o te Waka-a-Māui and Ngāti Apa ki te Rā Tō **cultural, spiritual, historical and traditional associations** are affirmed and recognised.

Oranga Ahurea | Diverse cultures and experiences are respected and celebrated

Ancestral, cultural, historic and personal knowledge and experience is **respected and celebrated** across diverse cultures, world views and industries.



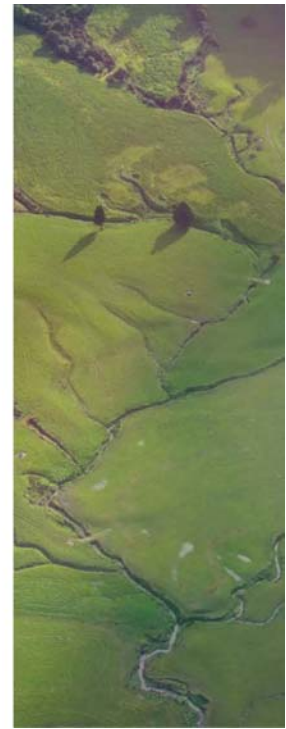
Ngā wawata | Aspirations

Oranga Arawai | Waterways are healthy and resilient

Community and industry-led action minimises sediment, nutrient and bacteria loading to levels that allow **natural sustainable functioning** of the estuary, contributing rivers and streams. The potential for upstream human activities to have downstream impacts is recognised, acknowledged, and effectively managed. The receiving coastal marine areas of the Marlborough Sounds **supports and sustains an abundance of life**.

Oranga Tangata | People live sustainably with the land

People and communities **live and work sustainably** in our natural environment. Thriving natural ecosystems support **community wellbeing** and a diverse and **resilient local economy**. Drawing on new technologies and innovative techniques enables **safeguarding of natural resources** that support primary production, processing, and tourism.





Ngā wawata | Aspirations

Oranga Taonga | People co-create solutions

Communities are united by efforts to restore the mauri and protect taonga of Te Hoiere/Pelorus. People share knowledge, resources and expertise across diverse cultures, world views and industries. They co-create solutions that work for all. Mutual respect creates community wellbeing.

Oranga Whakatau | Decision-making is informed

People participate in research and innovation and draw on external knowledge, enabling co-design of effective solutions. Data collection and access to education and science resources ensures informed decision-making.



Ngā wawata | Aspirations

Oranga Ngahau | People enjoy the outdoors

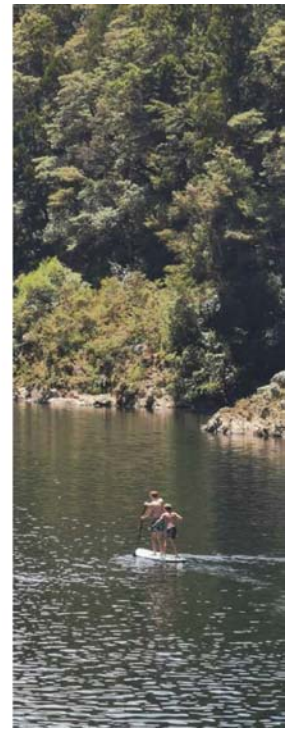
Residents and visitors enjoy relaxation and recreation on Te Hoiere land and waterways. There is safe and signposted access to recreation. The beauty of nature inspires creativity.

Oranga Anamata | Future generations benefit

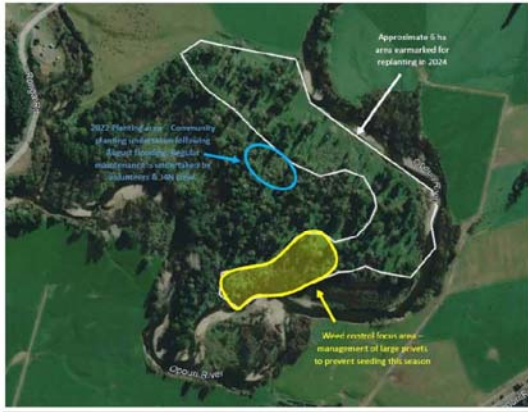
Future generations benefit from a healthy natural world and understand how to sustain and protect this.

Oranga Taiao | Build resilience to climate change

The environment, community and economy are resilient to a changing climate including extreme events. Te Hoiere catchments are an important carbon sink.







Jobs For Nature: Ronga Pest Plant Control Progress – November 2022

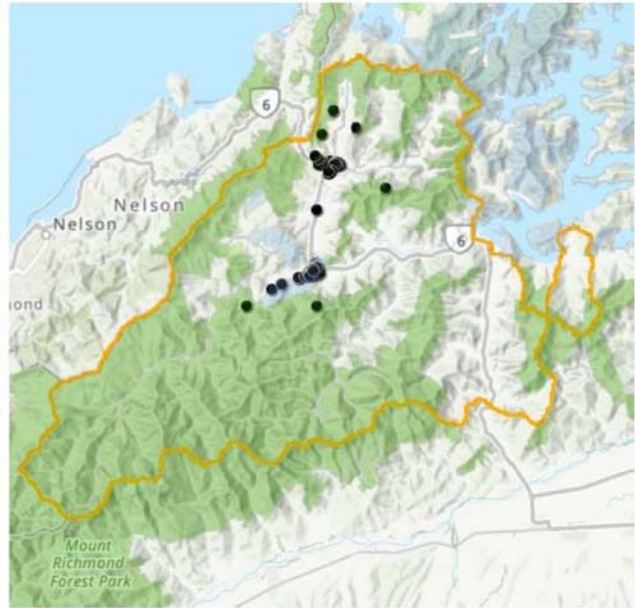


Figure 9. Locations of all long-tailed bat roosts identified to date within the Te Hoiere Pelorus catchment during their breeding period (Seasons 1-5, Dec. 2018-Feb. 2023).

Source: Te Hoiere Pelorus Bat Recovery Project Season 5 Report



Source: Ngāti Kuia Native Nursery Resource Consent Application





www.tehoiere.org.nz

Partnering with Te Hoiere/Pelorus community and



Te Hoiere Project August 2023 Newsletter



Haere mai and welcome

Kia ora

As we finish another year of the project and start to prepare for the Trust's second Annual General Meeting, we are reminded of the accomplishments in the catchment. These accomplishments are not only the result of our cumulative efforts, but they also represent our efforts in overcoming challenges that an ambitious project like this brings. Our catchment is an exemplar, with lofty aspirations. We recognise that setting examples can be difficult when there is no rulebook. The path to our success may not always be a smooth ride, but it is ours to make.

When the Project was formed, we agreed to six *mātāpono* (principles) in how we would work together to achieve our community aspirations. Our *kotahitanga* (unity) is our strength to achieve landscape-scale change. As one of our guiding principles, unity means that people plan and work collaboratively with respect and kindness to restore Te Hoiere/Pelorus land and waters.

To everyone leading projects and taking part in them, thank you for your efforts. We look forward to sharing the results of the second annual report with you later this year.

Ngā mihi maioha

Waihaere Mason and Barbara Faulls

Co-chairs, Te Hoiere Kaitiaki Charitable Trust

Project Progress

Ngāti Kuia: Restoring Ruapaka Wetland

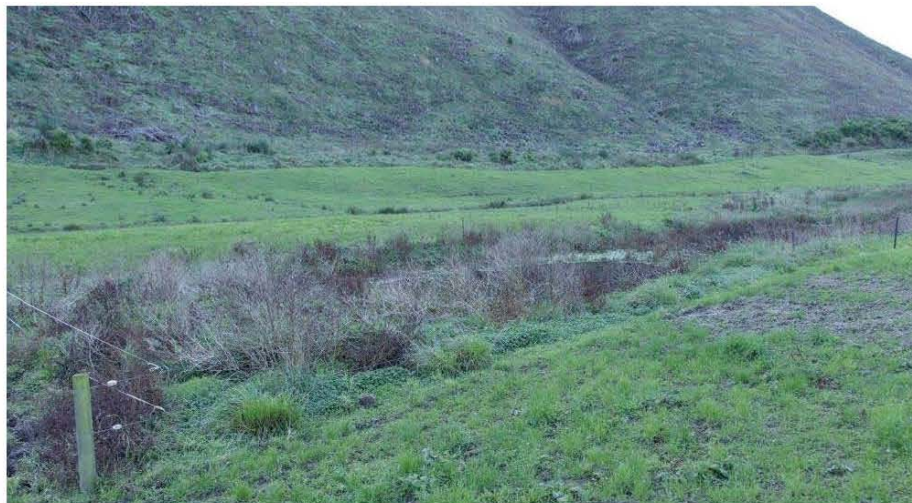
Have you seen the landscape changing off SH6 near Canvastown? That's the Ngāti Kuia field crew, Ngā Toki Ahuone, restoring Ruapaka Wetlands--and the crew are down to the last 1,000 plants in the first zone of this significant project. They are also busy spraying and clearing around the thousands of native seedlings already planted. A mulching contractor will soon return in the next two weeks to begin clearing fence lines and removing selected root balls to improve hydrology. Once the fence lines are clear, a contractor will start erecting stock-proof fencing. Stay tuned for more plans for this Ngāti Kuia-led project when Te Hoiere Project website goes live later this year at tehoiere.org.nz.

Photos: Melissa Banks





Lower Pelorus: Dung beetles and natives for a dairy farm





At the dairy farm of Mason and Rebecca Coleman-Cowie in Lower Pelorus, the Project assisted with planting at a wetland area and former effluent pond. The 2 hectares of planting included a foundational species mix from carex to totara. This new planting connects with existing native bush, creating a longer corridor for native biodiversity to thrive. Before the Project, this farm had already fenced off a wetland on the property and were looking to undertake planting, but were constrained due to time and resources. The Project not only accelerated the landowners' planting aspirations, but also supported the release of dung beetles on the property.

Mason says that planting the unproductive land was a no-brainer. "It was already in an area that was unproductive. It's a big catchment of water that rolls off those hills. We weren't going to incorporate the bank but there were no cows on it. After hemming and hawing, we thought we should do this, and it would be cool to make a bit of a sanctuary out of it."

J&S Mears Contracting has been busy on the site, helping to plant over 9,000 native trees in the ground. Check out a snip of them in action [by clicking here](#).



Upper Wakamarina: Stoat control would be needed for whio

Earlier this year, the Department of Conservation led a project in the Upper Wakamarina River and its tributaries to assess the area's suitability to re-introduce whio. A survey of the area was also undertaken to identify any remnants of whio, where they once roamed. Whio were once present in the Richmond Range/Bryant Range but appear to have declined with only infrequent reports over the last 20 years. The last records from the local Department of Conservation (DOC) Sounds Office were from goat hunters working in Te Hoiere and Wakamarina catchments in the early 2000s.

This March, a DOC-certified and experienced whio dog (Tui, a 9-year-old Golden Labrador Retriever) was used to search for whio remnants along the Upper Wakamarina Catchment. Tui didn't find any whio remnants, but the study showed the Upper Wakamarina is still a suitable habitat--except for predators. The study found that landscape-scale predator control, targeting stoats, would be needed and shown to be successful before reintroduction of whio should be considered in the area.

Click the whio photo to hear its bird song, courtesy of DOC.



Fences for healthier waterways - 53km achieved

After two years of the Project, 53 kilometres of fencing have been erected across the catchment. That's about as long as the drive from Kaituna to Rai Valley!

Fencing contractor, Justin Weaver of Snow Tussock Contracting, says with more landowners opting for fencing, the project is a win for everyone involved and the community. "It is great to see the landowners coming onboard with the Project. For us, working with the Te Hoiere team and landowner to get our part established, and to see these areas completed with new plantings is a fantastic effort by all involved."

Get in touch with us to see about available funding if you're thinking about fencing for stock exclusion at info@tehoiere.org.nz.

Upcoming Events

Geomorphology Talk - 24 Aug

Join Dr Jon Tunnicliffe of Auckland University on 24 Aug at 7pm at The Millers Rest to share the results of his latest study. This looks at how Te Hoiere/Pelorus waterways have evolved over time and how this can inform future solutions. Please RSVP to join us [by clicking here](#).



F&B Ronga Planting Day - 26 Aug

Join Forest & Bird for an annual planting day at Ronga Reserve on 26 Aug from 10am to 2pm. Bring a spade, gloves and sturdy footwear. BBQ lunch is courtesy of DOC, so bring along your cutlery and plates, as well as a shared salad. For more information about Forest & Bird's planting day, [click here](#).

Free Wasp Control Workshop - 7 Nov

This Landcare Trust event is supported by Te Hoiere Project. Come along for this free workshop on Tues, 7 Nov from 10am-12pm at the Havelock Pavilion on Neal Street. The first half covers wasp biology and control, and second half is for those who wish to become



an approved Vespex user. While the event is free, a fee applies for attendees who wish to become Vespex certified. Register with Landcare [by clicking here](#).

Save the Date



Forestry Field Day

Save the date for Wednesday, 22 November to learn about Cawthron Environment Award winner M&R Forestland Management. Bookings will open in October for this Wakamarina Valley event. Learn more about this award at cmea.org.nz.

Partner news across the catchment

MfE and DOC: What you think about biodiversity credits?

Across the country and right here in our catchment, tangata whenua, conservation groups and many landowners invest time and resources to protect and restore native biodiversity. Despite these efforts, thousands of species are at risk of extinction, including some freshwater fish in our catchment. If you are already undertaking restoration activities or even thinking about it, have your say on what a biodiversity credit system should look like!



[Click to make your submission by 3 Nov](#)

Forest & Bird: Te Hoiere bat team is growing!

Henry Neas and Jess Armstrong (pictured with mascot Polly Pekapeka) have recently joined F&B to protect pekapeka tou roa (long-tailed bats) in the catchment. Our project partners at F&B work across the Pelorus Bridge Scenic Reserve, Ronga, Carluke and Brown River to protect these species, which are classified as threatened – nationally critical.



A chat with Connor Wallace - featuring Te Hoiere Bat Recovery



Check out this free podcast from The Seed Pod, featuring Connor Wallace previously with Forest & Bird's Bat Recovery Project in Te Hoiere. While Connor's chat about the bat project starts around minute 20, this is a must-listen for passionate youth and up-and-coming conservationists.

[Listen to this free podcast here.](#)

Science spotlight: Kōaro



Did you know that kōaro can climb vertical waterfalls as high as 130 metres? These are the whitebait species most likely to climb out of your bucket after a catch. Like many freshwater fish in Te Hoiere catchment, these native species have a special relationship with the ocean. Kōaro

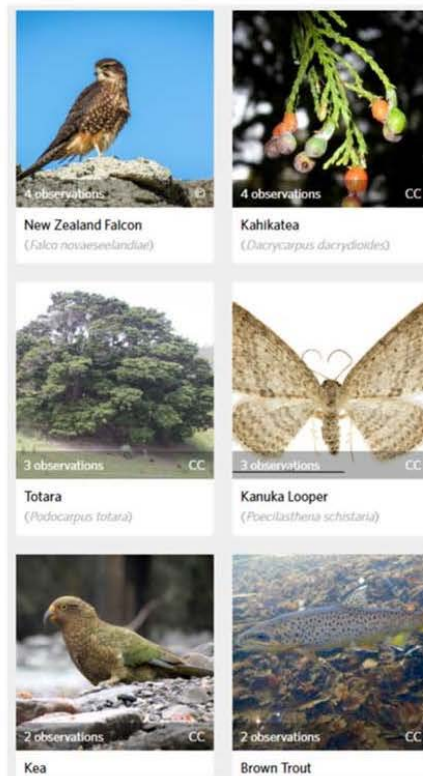
hatch larvae, which float out to sea where they grow until it's time to migrate back upstream as whitebait in spring. This whitebait is just one of the seven at-risk fish species in our catchment that are classified as "declining". Living for 15 years or more, kōaro travel as far as 400 km inland. Learn more about these special fish from this [Forest and Bird video](#) with freshwater ecologist Dr Mike Joy.

Beyond the catchment

Identify biodiversity near you with iNaturalist - it's free!

Spring is a great time to get your seedlings into the ground. If you're starting to think about planting natives, the first step is to find out what's already there. (The second step is to call us about assistance with funding for plants, stakes and guards!) iNaturalist is a free app that can help you to identify native flora and fauna already in your surroundings. iNaturalist users have identified 188 native and exotic species in Rai Valley (pictured), from fungi to native flora and fauna, and pests.

[Check out iNaturalist by clicking here](#) or download it from your smart phone app store.



[Website](#)



[Email Us](#)



[Facebook](#)



[LinkedIn](#)



Initiated in 2019, this project seeks to revitalise Te Hoiere/Pelorus catchments from the mountains into the sea (ki uta ki tai) and to be a leading example of community-driven environmental restoration. The catchment is one of 14 priority catchments in DOC's Ngā Awa River Restoration Programme and an exemplar catchment as part of Ministry for the Environment's At Risk Catchments Programme.

We couldn't achieve what we do without the combined effort, help and support of Te Hoiere/Pelorus community, iwi, funders, and stakeholders. Thank you for your continued partnership and support. More about our partnerships will be available on our website launching later in 2023.

Ko te whāinga mātua ko te whakarauoratanga
o te whenua, o ngā wai, o ngā tai moana e
matomato ai te tipu, e mauri ora ai te tangata.

We work together to restore the mauri of Te
Hoiere land, waters and coast which flourish,
along with peoples' wellbeing and livelihoods.

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