

## **Picton Regional Forum held at Picton Emergency Centre, Memorial Park, Picton, on Monday 1 May 2023, at 1.30 pm**

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### **Present**

Clr Raylene Innes (Chairperson), Clr Ben Minehan (Marlborough District Council), and Clr Barbara Faulls (Marlborough District Council).

### **Group Representatives**

Raewyn Buchanan (Karakā Point & Environs Residents Association), Beryl Bowers (Picton Historical Society), Brian Henstock (Marlborough Sounds Vehicle Trust), Marie Jeanette van der Wal (Picton Anglican Holy Trinity Church, Picton Combined Churches Chair), Stuart Eyes (Bike Walk Picton), Graham Gosling (Picton Business Group), Nicola Neilson (Marlborough District Council), Richard Scott (Guardians of the Sounds) and Valerie Kenny (Picton Historical Society).

### **Guest Speakers**

Jono Underwood (Marlborough District Council) and Oliver Wade (Harbours), James Wilson and Pip Macfarlane (Picton Dawn Chorus) and Sarah Brand (Marlborough District Council).

### **Attending**

Kirsty Baldwin (Marlborough District Council Secretary)

### **1. Apologies**

Clr Allanah Burgess (Marlborough District Council), Dean Heiford (Marlborough District Council), Rose Prendeville (Port Marlborough), Don Miller (Greater Whatamango Bay Residents Association), Margaret McHugh (Picton, Marlborough Sounds Tourism), Tim Healey (Queen Charlotte Sounds Residents Association & Guardians of the Sounds) and Rebecca Woledge (Karakā Point & Environs Residents Inc).

It was moved that the apologies be accepted, and the motion was carried.

## 2. Confirmation of previous meeting minutes

Moved by: Cllr Ben Minehan

Seconded by: Nicci Neilson

That the minutes of the meeting held on 6 March 2023 be confirmed.

## 3. Parchment Worm/Marine Biosecurity Update (Jono Underwood and Oliver Wade, Marlborough District Council)

- The presentation on parchment worm and marine biosecurity more generally is attached as Appendix A.
- Parchment worm is present across the whole of the Top of the South including Tasman, Abel Tasman National Park, and Golden Bay and possibly beyond.
- Mediterranean fanworm is different to the parchment worm and has been spread internationally by shipping. It has been in New Zealand since 2008. In 2014 a vessel in Waikawa was found to have it. There is an ongoing intensive biosecurity programme in place to try and keep it out of our regional waters.
- Rocky reefs are also affected, down to about 30 metres.
- There is a surveillance program targeting specific key hubs twice a year. The biggest risk is from recreational vessels coming in from Auckland and Lyttelton. Divers are being used to intensively look at all vessels present in Waikawa and Picton, Shakespeare Bay and Havelock, Port Underwood and East Arm, including piles and pontoons, trying to pick it up early, so there are options available to deal with it.
- Moorings are also checked in those areas including moorings, mooring blocks and ropes. It is quite an intensive look at those key vessel hubs. The threat is hoped to be addressed there and then. By doing it regularly we can find them.
- Annually we look at second tier hotspots, including resorts at Furneaux, Bay of Many Coves, Okiwi Bay, Elaine Bay and Ship Cove.
- It is acknowledged there are gaps and people cannot physically check all the bays.
- The longer it can be kept out is one more year to keep free of dealing with it.

### Questions/Answers

- Will the ongoing effects on the environment be researched?

The Nautical & Coastal Science Team do a lot of monitoring of important biodiversity and whether it is present or not. There is a master's student wanting to do some work on parchment worm, but specific funding would need to be found to support this. The research would also not be done to justify intervening in a management sense, but rather to understand and be better informed about the changes in the eco-systems.

It might be providing habitat for other species. Rather than having a negative effect on biodiversity, it could be changing habitats. We can look at various different areas with cameras and compare the biodiversity to gain more understanding about the different species in different areas. We are watching and observing, rather than attempting intervention.

Sometimes you can intervene later and make changes, but sometimes the opportunity is lost, unless you are able to detect and respond very early.

- Does it spread by fragments, ie, with the scallop season?

There is a high possibility that is the case, based on how quickly we have seen it spread.

- What happens when someone's vessel has been around New Zealand, and comes back to Marlborough and the marina?

Some vessel owners do not need to deal directly with Marlborough Marinas if they have an existing berth and purchase a new vessel for example. So some interaction can inadvertently be missed. The local grapevine can be useful here, with communication in the community being followed up on. Hopefully vessel owners will take ownership of this in future, know the background risks and make good decisions to also help protect Marlborough waters.

- Does MDC liaise with commercial vessel companies?

There is potential for that, however the recreational fleet still holds the greatest risks. MDC Biodiversity do not really interact with commercial vessel owners that frequently. With cases of cruise ships being dealt with at the international border with respect to not meeting biofouling requirements, that has raised the profile of this subject. If you have any concerns send an email to [Biosecurity@marlborough.govt.nz](mailto:Biosecurity@marlborough.govt.nz) and it will be investigated.

#### **4. Weekly Councillor Access Place Update – (Councillor Faulls)**

- Cllr Faulls is aware the Marlborough Sounds Wards Councillors do not live in Picton physically and residents may feel they are not being represented in a way they think they ought so plan to have weekly meetings at Picton Library and Service Centre on Thursday afternoons to be accessible to everyone in the wider community. If people have any questions, issues, or queries, they can come to the councillors there and be heard by the different councillors, on a rotating basis. Information will be distributed in due course.
- Cllr Faulls gave a brief update on the Marlborough Sounds Future Access Study. This is ticking along. There is a lot of frustration and feeling of being in limbo from the Kenepuru Road residents' perspective. Information is being collated. There is a huge amount of information coming from various sources including commercial operators, permanent residents, bach owners, farmers, lifestyle block owners, and people who use the road for recreation purposes in the Marlborough Sounds, etc, and this is being collated into four separate road sections.

An initial presentation has been given by Stantec, but more detail has been requested, so that there will be no confusion to the public. They want to make sure that they have every option on the table. It needs to be clear and specific.

In early to mid-June there should be public meetings and information available. The key is to get it right the first time, before any more storms come.

- Please send an email to the Cllrs with all ideas, either small or large.

#### **Questions/Answers**

- Graham Gosling suggested a fortnightly service would be timelier, both for the councillors and residents, due to their scheduling.

#### **5. Picton Dawn Chorus Update – (James Wilson and Pip Macfarlane, Picton Dawn Chorus)**

- Picton Dawn Chorus Incorporated Society (PDC) was formed in 2015 with the aim of protecting the Kaipupu Sanctuary from predator invasion and protecting Kaipupu resident birds from predation when they

fly out from the reserve, to stop rats swimming in to Kaipupu and to stop the birds from getting eaten when they fly out.

- In 2015 trapping began in Victoria Domain and within Picton.
- In 2018 a 'Social Enterprise', the Dawn Chorus Trapping Enterprise (DCTE) was established to build rat traps for internal use and for sale around the South Island providing an income stream to PDC, which enables the group to make money, for their own use and for making trapping boxes throughout the South Island. PDC are agents for the Predator Free New Zealand.
- Picton Dawn Chorus's rapid growth in trap lines and volunteer numbers led to the formation of a Board in 2020, changing from a committee run organisation and separating management from governance, setting up a board of governance, thus ensuring long term succession and controlled growth. James Wilson has recently resigned as Chair. Bryn Evans is the new Chair.
- Andrew Macalister made up an operation plan, which has begun to be implemented. Once this was achieved, PDC commissioned an operational plan from Andrew Macalister covering an area of 4,815 ha which was adopted by the Board and implementation started in 2020.
- Picton Dawn Chorus raise funds wherever they can. The need for greater support is always there. Up until this time PDC has successfully garnered funds from MDC, Lottery Grants Board, Rata Foundation, DOC, and many smaller donors. However, the need for greater support became recognised by the Kotahitanga mō te Taiao Alliance who recommended that PDC be supported by the Government's 'Jobs For Nature' initiative 18 months ago and PDC now have eight people working for them. They are growing rapidly. Ongoing funding is essential and is constantly being sought.
- Picton Dawn Chorus are just over halfway through implementing Andrew Macalister's operational plan. There are over 2,700 traps across 75 traplines. There is a trap in every fourth house within Picton or Waikawa and a team of 160 volunteers.
- Ongoing funding is essential to maintain and further grow the trap lines and trapping initiatives allowing PDC to play their part in helping New Zealand become Predator Free.
- Public successes:
  - 2017 Trustpower Community Award – Heritage and Environment.
  - 2018 Trustpower Marlborough Community Award – Supreme Winners.
  - 2019 Cawthron Marlborough Environment Award – Landscape and Habitat Category.
  - 2022 Marlborough District Council Community Award – Runner up in the Environment and Conservation Category.
  - 2023 Cawthron Marlborough Environment Award – Community Innovation Category.
- Picton Dawn Chorus have 150 volunteers and are in the process of merging with Kaipupu at present. With the two groups combined they would have well over 200 members or more.
- Picton Dawn Chorus have been on TV and interviewed on radio a few times over the years, including hosting public meetings with Eugene Sage as Minister of Conservation, Dame Anne Salmon and other notable speakers; all promoting Picton and Marlborough.

## 6. National Policy Statement for Freshwater Management Update– (Sarah Brand, Marlborough District Council)

- The National Policy Statement for Freshwater Management presentation is attached as Appendix B.

### Questions/Answers

- When is an action plan going to be implemented to put these ideas into place?

Action plans are part of the implementation and giving effect to the NPSFM2020, these will have timeframes and be prioritised depending on range of factors including what the monitoring shows.

- Will we see improvements on the Taylor River in Blenheim?

One of the purposes of the policy changes is to improve the water quality in degraded waterways, so yes improvements should be seen in the Taylor River on that aspect. As for recent flooding the cause of this needs to be understood and management practices looked at.

With the rain and flooding we have had recently there are thousands of rocks come down near the Tuamarina River and no effort has been made to clean it up, is this all incorporated? In particular, the location may control who would be looking after any clean up and how that was done. Flooding is something that will fall under the NPSFM umbrella in its own right and also associated land instability with heavy rain fall events and resultant sediment loads into freshwater bodies.

- What do you think of the clear felling in the Sounds area? You cannot see the bottom of the sea for two or three days after heavy rain. Will Central Government help that?

Council will wait and see what comes out of the Hawkes Bay/Gisborne review.

Some guidelines have come out of the recent forestry management review. Marlborough does already have polices and rules that are more stringent than the NES for Plantation Forestry in the pMEP, but sediment from land use activities is part of the NPSFM work so these regulations will be assessed again in light of the NPSFM 2020.

Council welcomes submissions on these issues so they can be factored into the plan.

## 7. Picton Air Quality Update – (Sarah Brand, Marlborough District Council)

- The Picton Air Quality presentation is attached as Appendix C.

### Questions/Answers

- Moving forward, once all the data is gathered, on winter nights the air does not move as it is very sheltered, will anything happen? Can we limit the type of heating used?

We need to have a year's worth of data before any changes can occur. There are specific rules for fires in Blenheim. Similar rules could be implemented to the Picton area.

An emission inventory was done for Picton last winter, which would be the area concentrated on. The age of existing fires will be looked at. The goal in Blenheim is to reduce the PM contaminant load going into the airshed, with one of the management options being the upgrade of the town's burner fleet by requiring new / more modern fires. Potentially something similar would happen in Picton. This could also have socio-economic impacts.

Jono Underwood, Oliver Wade, Sarah Brand and Val Kenny exited the meeting at 3.10 pm.

## 8. Actions from the previous meeting

Action	Person Responsible
1. Invite Jono Underwood and Oliver Wade to update about the Sea Worm in the Sounds. <i>Completed.</i>	Kirsty Baldwin
2. Distribute the Terms of Reference document to the group outlining the Forum Functions and Role. <i>Completed.</i>	Kirsty Baldwin
3. Provide an email link for Phil Black, Picton Police, as follows: <a href="mailto:phillip.black2@police.govt.nz">phillip.black2@police.govt.nz</a> . <i>Completed.</i>	Phil Black
4. Arrange for a Code and Compliance Manager to attend a meeting to present on which issues they can and cannot address for the Dublin Street iReX project works. <i>Not required.</i>	Anna Davidson / Gina Ferguson
5. Discuss whether people want a weekly access place at the Picton Library with the Picton Ward Councillors. <i>Completed.</i>	Councillor Faulls

## 9. General Business

- **Marlborough Community Vehicle Group**

- Brian Henstock raised concerns about dialysis patients being transported to Nelson three times a week by the Marlborough Community Vehicle Group (MCVG) for treatment.

The Councillors will speak to the Mayor and write individual letters to Stuart Smith about this.

- **Picton Museum**

- The Picton Museum want to establish a history of who the people of Picton are in 2023. Picton residents are asked to take a photo of what they are doing, between 15-21 May, at that moment in time, for future generations to see who we are and how we live, work and play in 2023, and submit it to Philippa Turley, Museum Curator, at [info@pictonmuseum.co.nz](mailto:info@pictonmuseum.co.nz) by 31 May.
  - A display will be put up in the Picton Museum.
  - This will be advertised in the *Picton Happenings* soon.
- The Picton Museum are showing the documentary *Making Marlborough* on Saturday 6 May at the Picton Library at 5.00 pm, to coincide with the King's Coronation.

Nicci Neilson exited the meeting at 3.20 pm.

## 10. Actions from the meeting

Action	Person Responsible
1. Sarah Brand will send information to the Picton Business Group via Graham Gosling around the Freshwater Management Plan so his members can make submissions on the Plan. <i>Completed.</i>	Sarah Brand
2. The Councillors will speak to Mayor Taylor and write to Stuart Smith about concerns around dialysis patients being transported to Nelson three times a week by the MCVG. <i>Pending.</i>	Clr Faulls / Clr Minehan / Clr Innes
3. To coincide with the King's Coronation, on 6 May, the movie <i>Making Marlborough</i> will be screened at the Picton Library. Further information will be distributed. <i>Completed.</i>	Beryl Bowers
4. Update on the future of the Picton Powerhouse Reserve. <i>Pending.</i>	Nicci Neilson
5. Invite Betty Whyte, the Head Mistress at Queen Charlotte College, to attend and address a future meeting. <i>Completed.</i>	Clr Faulls / Kirsty Baldwin
6. It was requested by members to have a mid-meeting coffee break.	Clr Faulls

## 11. Future Speakers

- Dublin Street Overbridge Traffic Management Plan Update (Laura Skilton and Steve Murrin).
- Kent Street Traffic Plan Update (Laura Skilton and Steve Murrin).
- Queen Charlotte College Update (Betty Whyte, the Head Mistress).
- Future of the Powerhouse Reserve Update (Nicola Neilson).
- Picton Sewerage Update – (Stephen Rooney).
- KiwiRail Update.
- Marlborough Sounds Ungulate Update (Tim Newsham).

## 12. Proposed Meeting Dates for 2023

### Picton Regional Forum

- 3 July 2023
- 4 September 2023
- 6 November 2023

The meeting closed at 3.25 pm.

## Appendix A – Parchment Worm Update

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# Chaetopterus – *parchment worm*

Jono Underwood  
Biosecurity Manager

Picton Regional Forum – 7 Nov 2022

## Background

- Marine polychaete



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- Abundance dramatically reduced with large beds no longer present by ~2003. Still present however.



Image: *Chaetopterus* sp. colony, Mangonui Harbour, Northland. © Toby Dickson, iNaturalist, 2021

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- Abundance dramatically reduced with large beds no longer present by ~2003. Still present however.
- The ecological impact of *Chaetopterus* sp. on benthic communities is largely unknown.

## Background cont...

2020's

- Rapid expansion of *Chaetopterus* sp. observed in the Marlborough Sounds.



## Background cont...

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- Confirmation by NIWA to be the "Hauraki" species not the pre-existing Marlborough Sounds *Chaetopterus* sp.

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- Rapid expansion of *Chaetopterus* sp. observed in the Marlborough Sounds.
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- Anecdotally, expansive *Chaetopterus* sp. beds are either appearing or expanding in areas with a soft sediment benthic environment.

## Background cont...

2020's

- Rapid expansion of *Chaetopterus* sp. observed in the Marlborough Sounds.
- Confirmation by NIWA to be the "Hauraki" species- not the pre-existing Marlborough Sounds *Chaetopterus* sp.
- Exact timing of arrival will never be known.
- Anecdotally, expansive *Chaetopterus* sp. beds are either appearing or expanding in areas with a soft sediment benthic environment.
- Biosecurity New Zealand is aware of the situation and it has been recorded as a range expansion. However, as previously noted by MDC Biosecurity, there are no feasible response options available.

## Background cont...

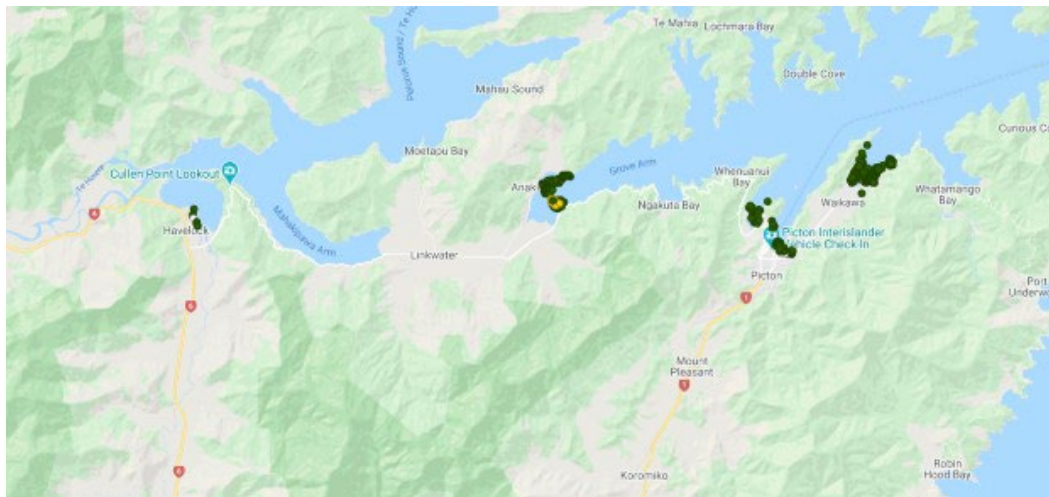
2020's

- Will continue to be kept in mind within MDC's Coastal Science programme and highlighted with any other marine research institution.



# Mediterranean Fanworm

## Twice-annual Fanworm Surveillance



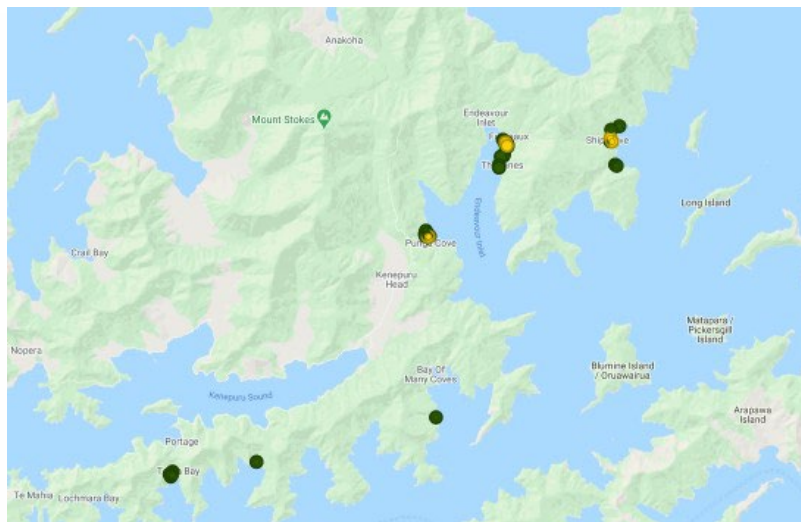
Only Marlborough



## Twice-annual Fanworm Surveillance

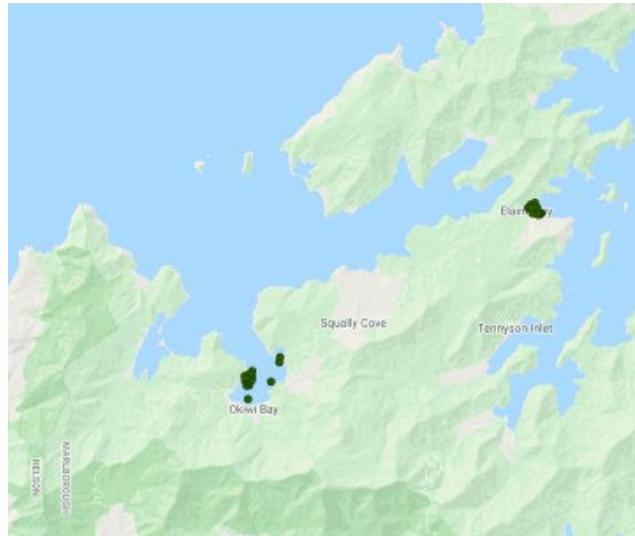


## Annual Fanworm Surveillance





## Annual Fanworm Surveillance



## Screening arrivals to marinas

- Marlborough Marinas notify Council of any vessels arriving from high risk areas.
- At risk vessels identified by marinas are assessed and snorkelled by the Biosecurity team to confirm presence or absence of fanworm.



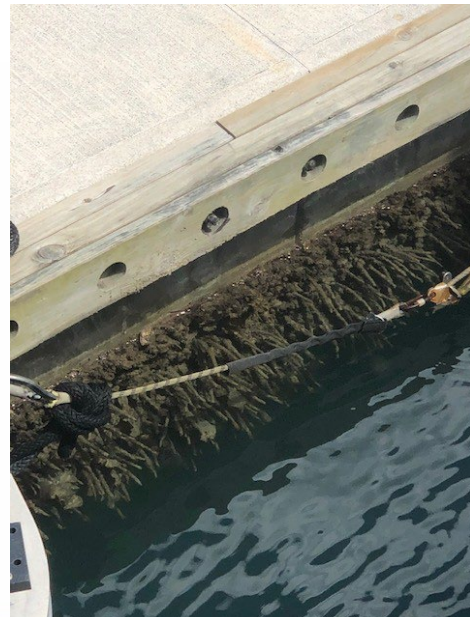
## Screening arrivals to marinas

- Marlborough Marinas have their own 6 in 1 rule:
  - Vessel must be antifouled within the last 6 months or washed within the last 1 month



## Source of infestations

- Majority of our fanworm finds can be linked to Auckland or the upper north waters
- These Councils are very proactive with their advertising and engagement with vessel owners.





## Appendix B – National Policy Statement for Freshwater Management Update

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### Presentation Plan

- The what and the why
- Provide information on what the legislation requires.
  - Te Mana o te Wai
  - Integrated Management
  - National Objectives Framework
  - Values
  - Visions
  - Freshwater Management Units (FMUs)
- Aims of this engagement
- How you can participate.
- What's coming up next?

## The What

- Government's 2020 Essential Freshwater package.
- Key element = Updated National Policy Statement for Freshwater Management (NPSFM).
- Sets new rules to protect and restore New Zealand's freshwater.
- Councils must implement through plan changes after undertaking engagement with communities and tangata whenua.



## The Why

- Freshwater matters to us all.
- Healthy freshwater is a prerequisite for a healthy wider environment and community.
- Vital to look after it and use it in ways that provide the best environmental, social, cultural, and economic outcomes.
- Aim of the Government's package
  - To stop further water quality degradation.
  - Restore waterways to health within a generation.





## Te Mana o te Wai



- Strengthened fundamental concept in the NPSFM 2020.
- It is the lens through which all matters and decisions relating to freshwater management must now be viewed.
- Protecting health of freshwater protects the environment and the community.
- Hierarchy of obligations – starting point is providing for the well - being of the water body.



## Integrated Freshwater Management

- Ki uta ki tai – mountains to the sea
- Need to:
  - Recognise interactions between freshwater, land, water bodies, ecosystems and receiving environments.
  - Manage freshwater and the use and development of land.
  - Manage on a whole catchment basis.
  - Manage effects on receiving environments.



## The National Objectives Framework (NOF)

NOF Steps	What is required – At each step engagement with communities and tangata whenua
1 – Identify Freshwater Management Units (FMU)	Define FMUs (where the provisions and rules will apply). Consider mountains to physical water and coastal basis > cultural/community based catchment groups
2 - Visions	For each FMU what do communities and tangata whenua aspire to? Timescale needed
3 – Values	For each FMU what freshwater values are important to communities and tangata whenua?
4 – Environmental Outcomes	For each Value what is the goal sought by communities and tangata whenua?
5 - Attributes	For each Value how can we measure or assess whether we are meeting the Value and over time?
6 – Attribute states	For each Attribute what is the baseline and current state? What are we aiming for (target state)? If these are different what are the interim targets to meet on the way to the target state?
7 – Limits & Action Plans	For Attributes not meeting target state what rules (limits) are needed in the Plan and what other non-regulatory actions (monitoring, restoration, education etc) are needed to reach our goals?
8 – Monitor progress	Monitor progress towards target states and environmental outcomes and make decisions to take action to move towards outcomes.



## Freshwater Values

- Must be identified for each FMU.
- 4 compulsory values, 9 other national values, additional regional values.
- For each value identified, environmental outcomes must be set.
- Environmental outcomes will be expressed as objectives in the Marlborough Environment Plan (MEP).
- When met, environmental outcomes must fulfil long-term visions.



4 Compulsory Values		9 Other National Values	
Ecosystem health	Freshwater ecosystems are healthy and able to sustain the indigenous aquatic life with a focus on water quality, water quantity, habitat, aquatic life, and ecological processes.	Natural form and character	
Human Contact	People can connect with water through a range of activities.	Drinking water supply	
Threatened species	Critical habitats and conditions necessary to support a population of threaten species and recovery of that species.	Wai tapu	
Mahinga kai	Kai is safe to harvest and eat, providing a range of desired species plentiful enough for long term harvest.	Fishing	
		Transport and Tauranga waka	
		Hydro-electric power generation	
		Animal drinking water	
		Irrigation, cultivation, and production of food and beverages	
		Commercial and Industrial use	



## What other Values are there?

### Additional Values – for example

Flood capacity and drainage

Spirituality of water and ecosystems

Public access

Existing infrastructure

Educational sites



## Long-term Visions – Goals with timeframes

They must...

- Express what communities and tangata whenua want the FMU to be like in the future
- Be ambitious but reasonable.
- Be informed by the history of, and environmental pressures on the FMU.

## Vision Examples from other regions

- The FMU is managed in accordance with Te Mana o te Wai objectives and polices.
- The FMU and estuaries are returned to a healthy condition.
- The habitats of indigenous species are restored, and indigenous species can migrate naturally within the FMU.
- Land use practices minimise discharges of nutrients and other contaminants to water bodies.
- Land management will minimise the extent of accelerated soil erosion, including where impacted by climate change.
- Waterways are safe, accessible and provide for swimming and other recreational uses.
- The ongoing relationship and connection of mana whenua to waterbodies and wai tapu is provided for.
- Waterways provide good and accessible mahinga kai and food resources.
- A long term viable spring fed ecosystem is achieved.
- The impact of water takes in managed in a manner that is responsive to climate change.

## What is an FMU?

A way of dividing the region to manage its water.

Can have sub -FMUs = smaller catchments.

Every waterbody must be in an FMU.

Within each FMU, identify:

- Monitoring sites
- Primary contact sites
- Locations of habitats of threatened species
- Outstanding water bodies
- Natural inland wetlands .





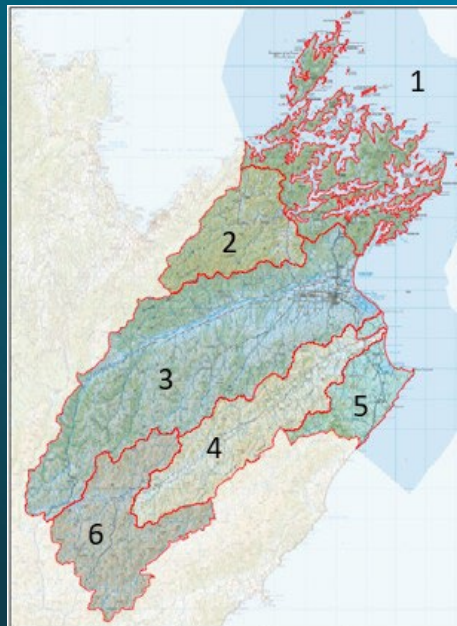
## Considerations for Marlborough's Proposed FMUs

1. Hydrological / Geographical – Where and how does the water flow? Catchments.
2. Integration – Ki uta ki tai – from the rain falling onto the land, its journey across and through the land and its final connection to coastal water.
3. Our communities.
4. Our regional boundary.
5. Practical issues with monitoring and reporting within resources and time available.



## 6 Proposed FMUs

- 1 - Marlborough Sounds Complex
- 2 - Te Hoiere/ Pelorus
- 3 - Wairau
- 4 - Awatere
- 5 - East Coast Complex
- 6 - Waiautoa / Clarence





## Marlborough Sounds Complex FMU

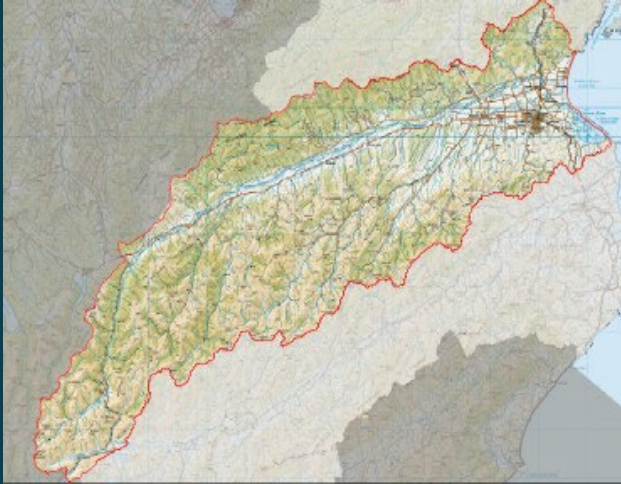
- 1,473 Km<sup>2</sup> Area
- A collection of small catchments characterised by steep, short run streams entering into the Marlborough Sounds, Tasman Bay and Cook Strait.
- Includes Linkwater catchment – Linkwater Stream, Cullen Creek and Ada Creek.
- Includes the centres of Waitohi/Picton, Waikawa and Linkwater and small communities in various bays.
- No lakes, wetlands commonly associated with the heads of bays.
- Shares an estuarine/marine boundary with Te Hoiere/Pelorus FMU at Havelock.



## Te Hoiere / Pelorus FMU

- 1,042 Km<sup>2</sup> Area
- Te Hoiere / Pelorus River and its tributaries from its source in the Richmond Ranges to its entry into Te Hoiere / Pelorus Sound at the Motuweka / Havelock estuary.
- Major Tributaries include Rai, and Wakamarina.
- Kaituna River also within FMU.
- Te Hoiere Catchment restoration project already happening.
- Havelock and Rai Valley Townships and dispersed rural community.
- Significant proportion of the catchment is covered in indigenous vegetation.
- Many wetlands associated with the valleys.





## Wairau FMU

- 4,187 Km<sup>2</sup> Area – Largest FMU
- Wairau River and its tributaries from its source in the Spencer Mountains to the sea at Cloudy Bay.
- Longest river – 170Km.
- Multiple tributaries – Branch, Goulter, Waihopai, Omaka, Taylor, Onamaultu, Tumarina Rivers.
- Richmond Ranges to the north, Ragland Ranges to southwest,
- Lake Chalice, Fish Lake, Grovetown Lagoon and significant number of wetlands.
- Largest population - Blenheim, Renwick, Spring Creek, Wairau Valley.



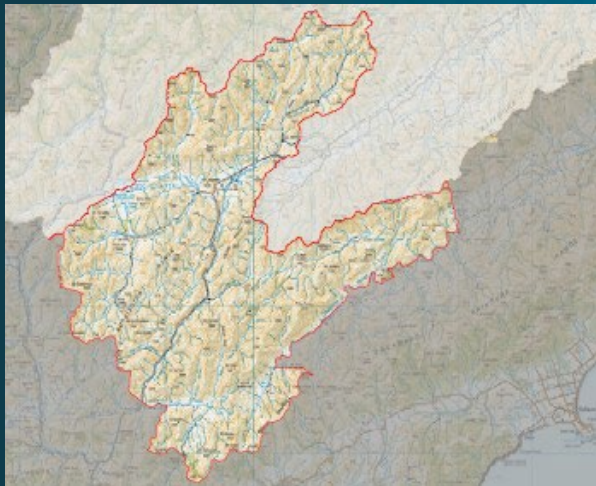
## Awatere FMU

- 1,573 Km<sup>2</sup> Area, 110 Km in length.
- Awatere River and its tributaries from its source in mountains southeast of Molesworth to the sea between Clifford Bay and Cloudy Bay.
- Southern boundary - Inland Kaikoura Mountains, highest peak Mt. Tapuae-O-Uenuku (2885m).
- Northern and western Boundaries - several ranges of mountains, including the Black Birch Range.
- Small lakes, e.g. Lake Jasper and multiple significant wetlands.
- Includes township of Seddon and dispersed rural community.



## East Coast Complex FMU

- 673 Km<sup>2</sup> Area
- Collection of rivers along the south eastern coast draining east into Cloudy Bay and south of Camp Campbell.
- Major Rivers – Waima, Flaxbourne and Blind River.
- Lake Elterwater, a few significant wetlands.
- Township of Ward and dispersed rural population.
- Includes an area to the north of the Awatere FMU – North Dashwood / Redwood Pass.



## Waiau-toa / Clarence FMU

- 1543 km<sup>2</sup> Area
- Named after Waiau-toa /Clarence River which forms the southern FMU boundary.
- Main tributary, Acheron River flows south from headwaters near the Acheron Saddle through Molesworth to its confluence with the Waiau-toa /Clarence close to the southern boundary of the FMU.
- Alpine / High country environment.
- Currently sparsely populated .
- Alpine lakes, Lake McRae in the NE and Tarndale Lakes in the NW, numerous significant wetlands.

## This 1<sup>st</sup> Engagement aims to find out.....

1. If we have appropriately divided up the region into 6 freshwater management units (FMUs)?
2. What are our visions for the future of Marlborough's freshwater?
3. What we value about freshwater in Marlborough?



## How to participate further....

- Head to the Council Website and search - Freshwater Management

<https://www.marlborough.govt.nz/environment/freshwater-management/have-your-say-on-freshwater>

Find 2 survey links: -

- **1 – Quick map-based survey** - to identify where you interact with freshwater and what activities you undertake.
  - **2 - 15-20 min online survey**, traditional form survey diving deeper into freshwater and all its aspects.
- Fill in a hard copy survey
  - E-mail your views directly to [freshwater@marlborough.govt.nz](mailto:freshwater@marlborough.govt.nz)

## What's Next?

- First engagement has been extended.
- 2 more rounds of community engagement
  - NOF steps 3-6; and
  - Draft plan rules and action plans.



## Questions



## Appendix C – Air Quality Management Update



### NES Compliant Monitoring for Picton

- Screening study in 2019/2020 showed that there was potential for the NES standards to be exceeded at certain times of the year for PM and potentially NO<sub>2</sub> and SO<sub>2</sub>.
- NES compliant monitoring network is currently being set up.
- Two sites have been selected reflecting the different contaminants of concern and their locations.
  - PM – Memorial park
  - NO<sub>2</sub> and SO<sub>2</sub> – Picton Foreshore Reserve
- Funding was secured at the end of February 2023.



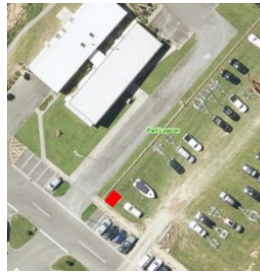
Location of PM site



Location of NO<sub>2</sub> / SO<sub>2</sub> site

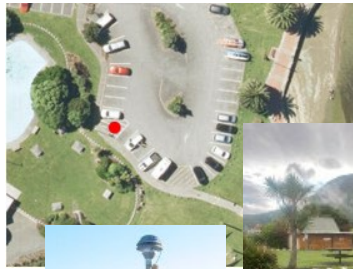
## PM Site – Memorial Park

- Will be a permanent site.
- Equipment has been ordered, built and is onboard ship to NZ from Australia. ETA next couple of weeks.
- Permission sought from Assets and Services Committee to site equipment in the Reserve on 18<sup>th</sup> April.
- Once confirmation of permission received works will start on prepping the site for the equipment.
- Hoped that site will be up and running in June.



## NO<sub>2</sub> and SO<sub>2</sub> Site – Picton Foreshore Reserve

- Will be a temporary site for a year.
- Contractor has been lined up to carry out this monitoring.
- Permission sought from Assets and Services Committee to site equipment in the Reserve on 18<sup>th</sup> April.
- Once confirmation of permission received the contractor will be actioned.
- The equipment will be housed on a trailer and will be connected to power via the lamp post.
- Hoped that site will be up and running in mid June.



# Questions?

