



Freshwater Futures Community Group

Kaituna - Maketū - Workshop 4



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REGIONAL COUNCIL
TOI MOANA

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Welcome



Tiaki pumautia te wai e hoki mai ai ngā rawa ki a tātaukatoa
Treat the water wisely and it will return to us

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Housekeeping


- Fire protocol
- Toilets
- Meals
- Recording process/Sharing notes
- Make yourself at home



Agenda



Purpose of this group....




Is to help Council implement the National Policy Statement for Freshwater Management:

- confirm values, express preferred objectives
- provide feedback on limits and methods for freshwater quality and quantity within this WMA
- provide input to solutions for managing activities to meet those limits
- advise Council in their decision-making for Plan change 12

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Work Programme

Phase 2		Phase 3		Phase 4
Meet and Greet sessions	We are here 	FMUs/Values-aligned		Council notifies Proposed Plan Change
Scene setting Group values		Preferred Objectives		Hearings and decisions
Build knowledge		Scenario/Limits Impact analysis		Environment Court Appeals
Values Framework Attributes FMUs		Evaluation: Scenario feedback		Environment Court Hearing and Decision
		Develop policy and regulatory framework		
		Consult on framework		

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Brief updates

- National
 - Good management practice, certification, data systems
 - National Policy Statement for Freshwater Management – pending changes
- Waikato River and Waipa River water quality: Proposed Waikato Regional plan change 1
- Bay of Plenty water quantity – proposed regional plan change 9

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Desired outcomes for today

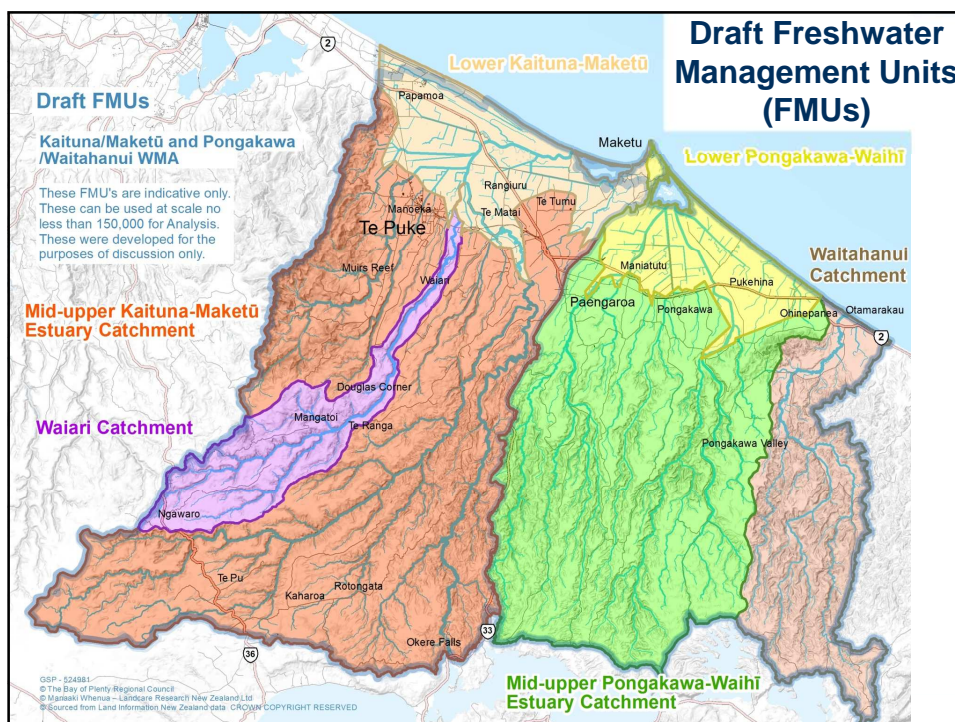
...to identify your views on in-river values in each FMU

- **How they are now** (*good, fair, poor, lost*)
- **What's happening to them** (*improving, stable, worsening*)
- **How they should be** (*keep as is, improvement needed, and timing*)

NOTE: agreed and differing views will be recorded

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In-river freshwater values

	Waiari	Lower Kaituna	Mid-upper Kaituna
Ecosystem health	✓	✓	✓
Significant indigenous species	✓	✓	✓
Swimming, white-water, water skiing/ primary contact	?	✓	✓
Wading, boating/secondary contact	✓	✓	✓
Mahinga Kai	✓	✓	✓
Fishing	✓	✓	✓
Natural form and character	✓	✓	✓
Wai tapu	?	✓	?
Site of cultural significance	✓	✓	✓
Transport and tauranga waka	?	✓	?
Rawa tuturu	?	✓	✓
Game birds	?	?	?

Freshwater values and uses cont'd...

	Waiari	Lower Kaituna	Mid-Upper Kaituna
Kaitiaki relationships	✓	✓	✓
Irrigation and cultivation	✓	✓	✓
Animal drinking water	?	?	✓
Municipal and domestic water supply	✓	✓	✓
Treated wastewater discharge	?	✓	✓
Urban stormwater discharge	?	✓	✓
Commercial and industrial use	✓	✓	✓
Hydro-electric power generation	?	?	?
Flood control	?	✓	✓
Influence on other fresh waterbody	✓	?	✓
Influence on geothermal	✓	✓	✓

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Freshwater state

- The nutrient toxicity levels support healthy river ecosystems by national definition (NOF)
- Invertebrate monitoring: excellent, good to fair
- Increasing nitrate trend in catchment
- Increasing phosphorous trend
- Several surface water catchments over-allocated

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Freshwater state

- Maketū estuary - potentially fresh water inputs effects poor ecological health
- Limited extent of remaining natural lakes and wetlands - compromised health
- Over allocated groundwater in lower Kaituna
(under current allocation limits)
- Groundwater quality – limited state and trend data

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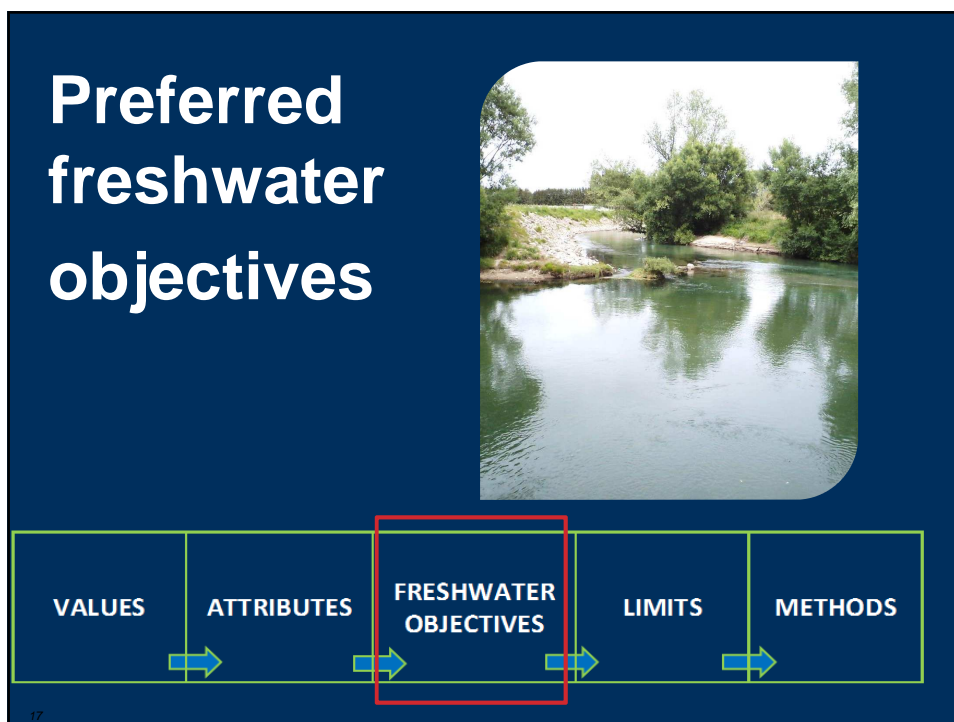
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National and Regional directions for managing Freshwater

- **At least maintain** freshwater quality and mauri.
We cannot set an objective that allows decline.
- Improve water quality where needed to meet identified **required use** and **protection values**.
- Safeguard the life-supporting capacity, **ecosystems** and indigenous species.
- Safeguard the **health** of people and communities.
- **Protect** significant values of wetlands and outstanding freshwater bodies.

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Preferred freshwater objectives

- A freshwater objective describes the environmental state required for the identified freshwater values to be appropriately provided for.
- Freshwater objectives are set at an FMU scale.
- Where practical they must be numeric but can also be written or narrative.

What we've heard so far?

People want our rivers to:

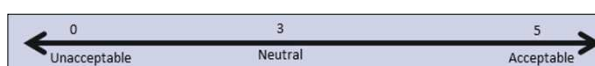
- be swimmable
- support mahinga kai
- have healthy estuary and kai moana
- be suitable for traditional use
- be enjoyable for everyone

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Preferred freshwater objective

In-river values



- Swimming and other recreation involving immersion
- Mahinga kai (kai is safe to harvest and eat) and (the mauri of the place is intact)
- Ecosystem Health
- Significant/threatened/ rare indigenous species
- Fishing
- Natural form and character
- Wai tapu and/or site of cultural significance
- Transport and Tauranga waka

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Then ask yourselves....

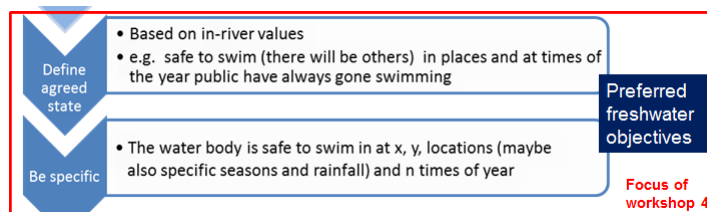
1. Is the value at an acceptable level? *(answered on continuum)*
 - Do current conditions of water quality/quantity allow/support for the value to be present *(why/why not)?*
 - Was the value previously here but has since been lost or nearly lost *(when/why)?*
 - Has the value recently improved *(why, how, where)?*
2. How would you expect it to be? *(where/why/by when)*
 - What further information would give you greater confidence in making this recommendation?
 - Who else in the community could provide input?

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Preferred freshwater objective - *how would you expect it to be....*

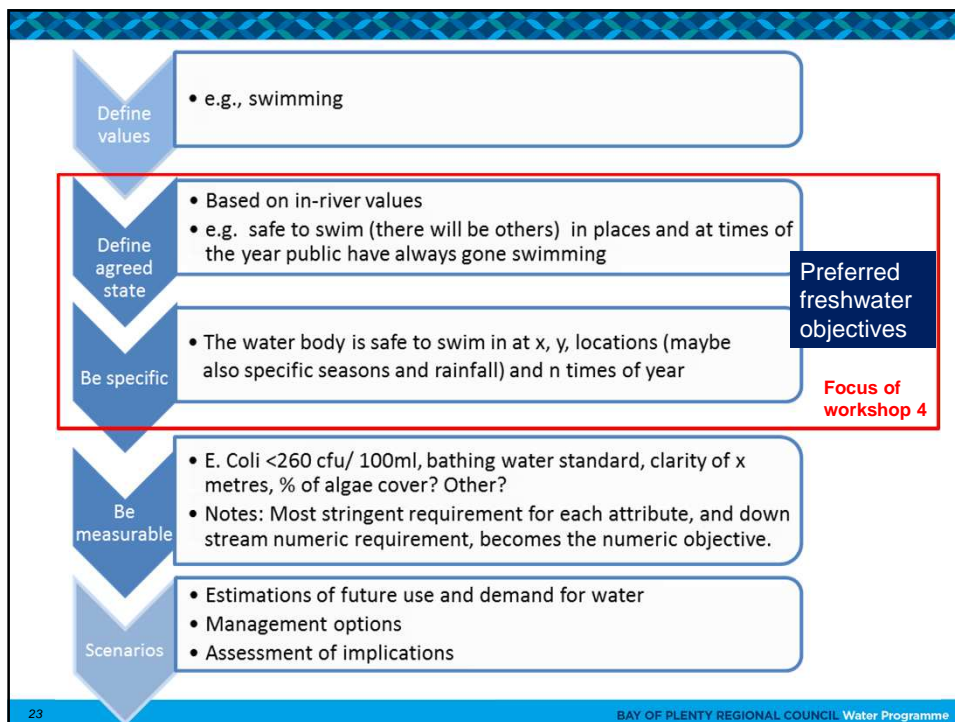
- From the standpoint your group took – respond to the questions – the more detail the better - *in the FMU box*



next
slide

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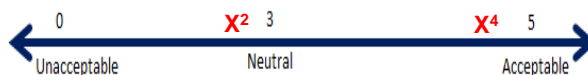


Examples - swimming



Preferred freshwater objective e.g. - swimming

- Swimming (and other recreation involving immersion)
- discuss – swimming as a value
- In (FMU1) how acceptable is the current state of swimming (and other recreation involving immersion)
– complete the continuum

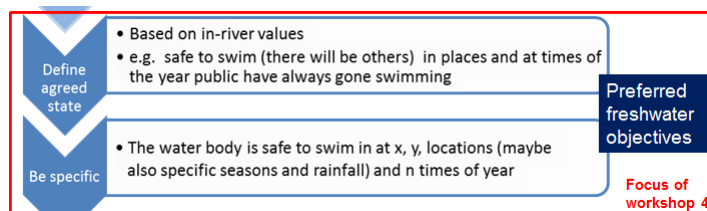


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Preferred freshwater objective e.g. - swimmingcont'd

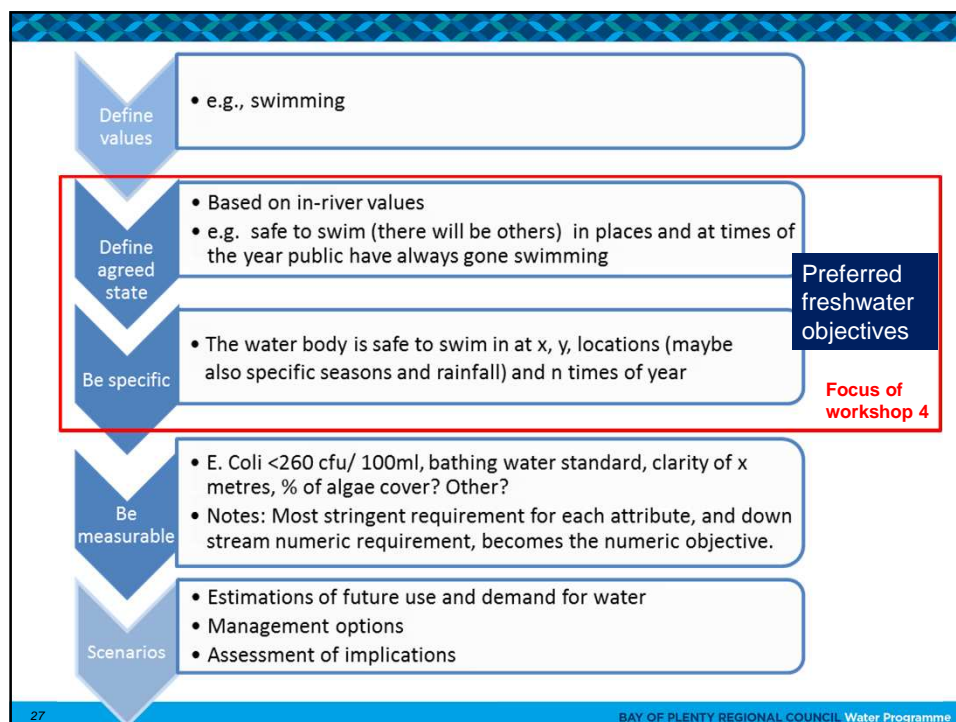
- From the standpoint your group took – respond to the questions – the more detail the better - *in the FMU1 box*



next
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Then ask yourselves....

1. Is the value at an acceptable level? *(answered on continuum)*
 - Do current conditions of water quality/quantity allow/support for the value to be present *(why/why not)*?
 - Was the value previously here but has since been lost or nearly lost *(when/why)*?
 - Has the value recently improved *(why, how, where)*?
2. How would you expect it to be? *(where/why/by when)*
 - What further information would give you greater confidence in making this recommendation?
 - Who else in the community could provide input?

Preferred freshwater objective

e.g. - swimmingcont'd

Check in....

- Understand the process – is it workable?
- Comfortable continuing?

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Preferred freshwater objective - rotations

- Starting with (8 in all)
 - Swimming and other recreation involving immersion
 - Mahinga kai (kai is safe to harvest and eat) and (the mauri of the place is intact)
 - Ecosystem Health
 - Significant/threatened/rare indigenous species
 - Fishing
- Work your way through the feedback sheet
- When completed – *all material back to Values table - collect another one + any completed feedback sheets*

NOTE: check other groups views, note agree/disagree and groups views on your sheet

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Check in

- Any gaps?
- Any further information you would have liked?
- Were any particularly challenging?

After lunch we will provide a quick overview of the whole groups thoughts at this stage

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Lunch



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Preferred freshwater objective - rotations

- Feedback overview
- remaining values to consider - **15 minutes/value?**
 - ✓ **Swimming and other recreation involving immersion,**
Mahinga kai (kai is safe to harvest and eat) and (the mauri of the place is intact)
 - Ecosystem Health,**
 - Significant/threatened/ rare indigenous species,**
 - Fishing**
 - Natural form and character**
 - Wai tapu and/or site of cultural significance**
 - Transport and Tauranga waka**



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Checking the combined Group views

What are the common views about each FMU we have identified today?

- *How they are now* (good, fair, poor, lost)
- *What's happening to them* (improving, stable, worsening)
- *How they should be* (keep as is, improvement needed, and timing)

Where the group holds different views?

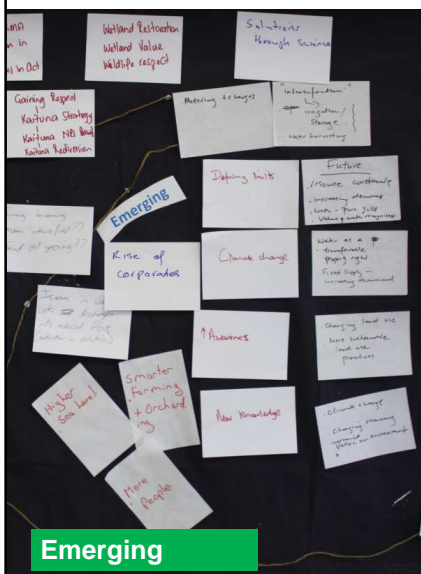
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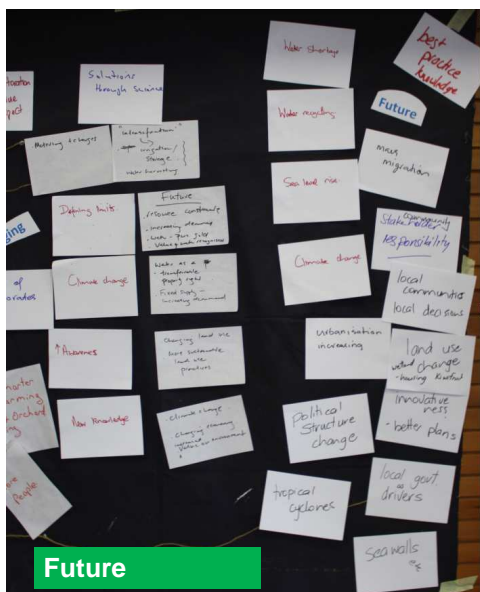
Summary...

- Any gaps?
- Any further information you would have liked?
- Were any particularly hard or inappropriate?
- Summary overview - discussion

Credible futures – Kaituna



Emerging



Future

Credible futures



2030

1. What you have already given us
2. As a group - any further thoughts - think 2030 - big changes
 - *land use*
 - *land use practices*
 - *industries using water*
3. Rank voting
4. Map key trends

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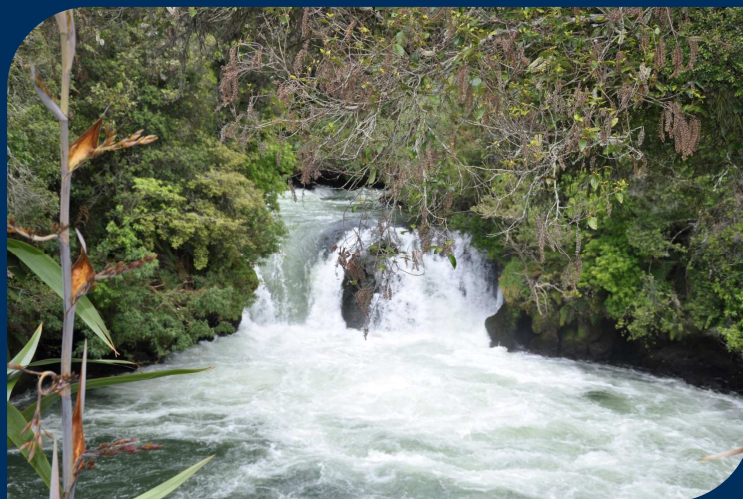
Summary...

- Any gaps?
- Any further information you would have liked?
- Summary overview - discussion

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What's next?



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Next steps

- Prepare notes and circulate for you to check
- Work up draft objectives – words
- Work up draft objectives – numbers
- Work up credible future scenarios – land use and activities, demand for water
- Building catchment model
- Start to model effects of future scenarios and scale of change needed to achieve objectives

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Outstanding

- Chair
- Consensus

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Summary

Today we have.....

- Created preferred objectives
- Outlined a credible future
- You have asked us to...

Any burning questions still unanswered?

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Thanks once again

- In closing...
 - Any feedback to us on this session?
- Next meeting.....
- Talk to others
- The key highlight/achievements from this session
- Ask - what would they have added to the session?