



Giving Effect To Te Mana o Te Wai A Kauhau For Stormwater Professionals

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Stormwater 2024 - Pōneke Wellington

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Stormwater 2024

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**make
everyday
better.**

Karakia - Tīmatatanga

Kei te tangi a Ranginui
Kei te tangi a Papatūānuku
Kei te rere ngā roimata
Rere ki uta. Rere ki tai.
Kei hea ngā Kaitiaki mō Te Mana o te Wai
Te Mauri o te Wai?
Whakarongo mai!
Whakaoratia!
Hei oranga wairua!
Hei oranga tangata!
Hei oranga mō Aotearoa katoa

Our primordial Sky Father weeps
As our Earth Mother mourns
Their tears flowing forth
Manifest in the mountain waters that percolate down to the sea.
Where-art the earthly protectors of the water's authority?
The guardians of its essence?
Pay heed to the abuses of our time, and
reinvigorate the water's power of life
As sustenance for our spirit
As wellbeing for our person
And as health and prosperity for a vibrant New Zealand for all

Te Mana o te Wai

Te Mana o te Wai

Te Mana o te Wai

Mana

(noun) prestige, authority, control, power, influence, status, spiritual power, charisma

- Represents a supernatural essence within individuals, places, or objects.
- Intertwined with concepts like tapu, noa, utu, and mauri, influencing each other.
- Higher prestige correlates with increased mana presence.
- Originates as enduring and indestructible power from the atua.
- Inherited at birth, with lineage determining mana levels.
- Authority is delegated through the senior line from atua to human agents.
- Individuals act as agents, not sources, of mana due to its spiritual nature.
- Mana can be granted or withdrawn, reflecting its dynamic nature.
- Inaccessible through commercial means; cannot be bought or sold.

Te Mana o te Wai

Mā

Through, via, future tense

Nā

From, By, past tense

Te **Mana** o te Wai

Manaaki

Te **Mana** o te Wai

Mana**aki**

(verb) (-hia,-na,-ngia) to encourage, urge on, challenge, induce, incite, exhort.

Te Mana o te Wai

Manaaki

(verb) (-tia) to support, take care of, give hospitality to, protect, look out for - show respect, generosity and care for others.

- To lift up mana!!!

Te Mana o te **Wai**

Wai

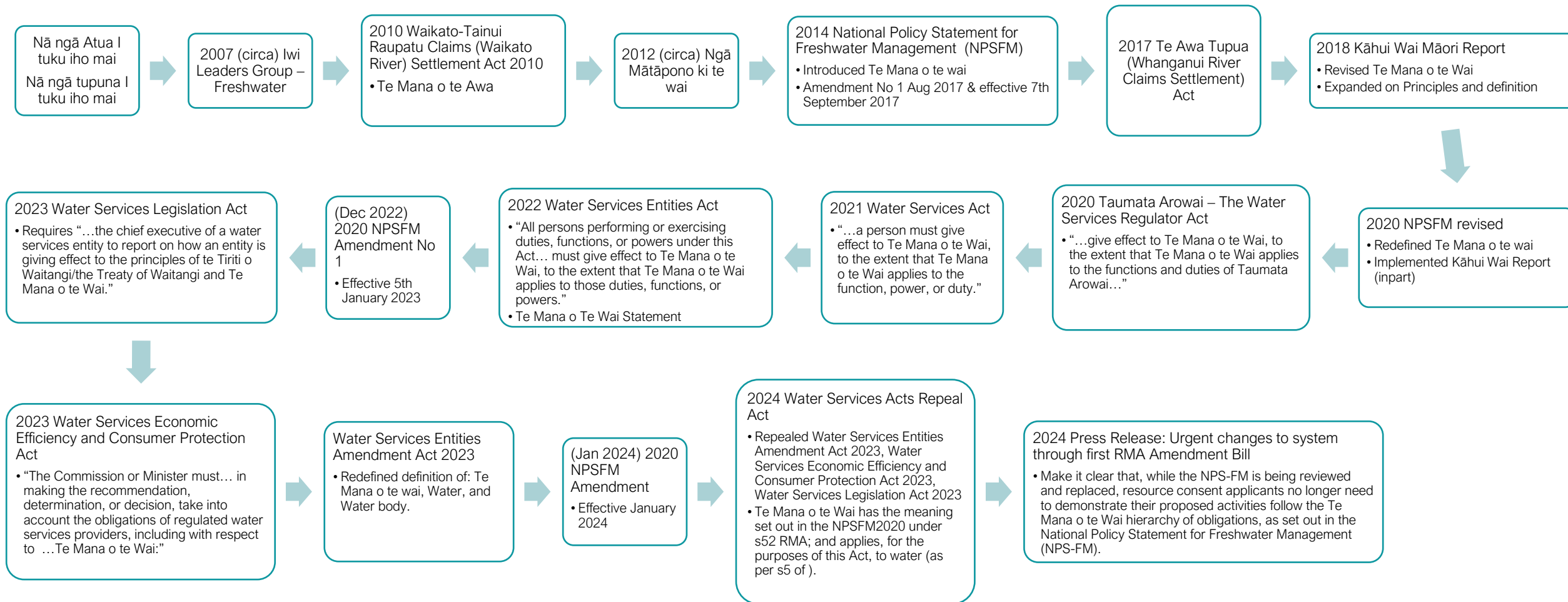
(noun) water, liquid, traditional song (short for *waiata*). | **(personal noun)** who? whom?.

- Ko ahau te wai, ko te wai ahau – I am the water, the water is me
- Water has mana, has mauri, has life
- Our greatest obligation is to that which gives us life

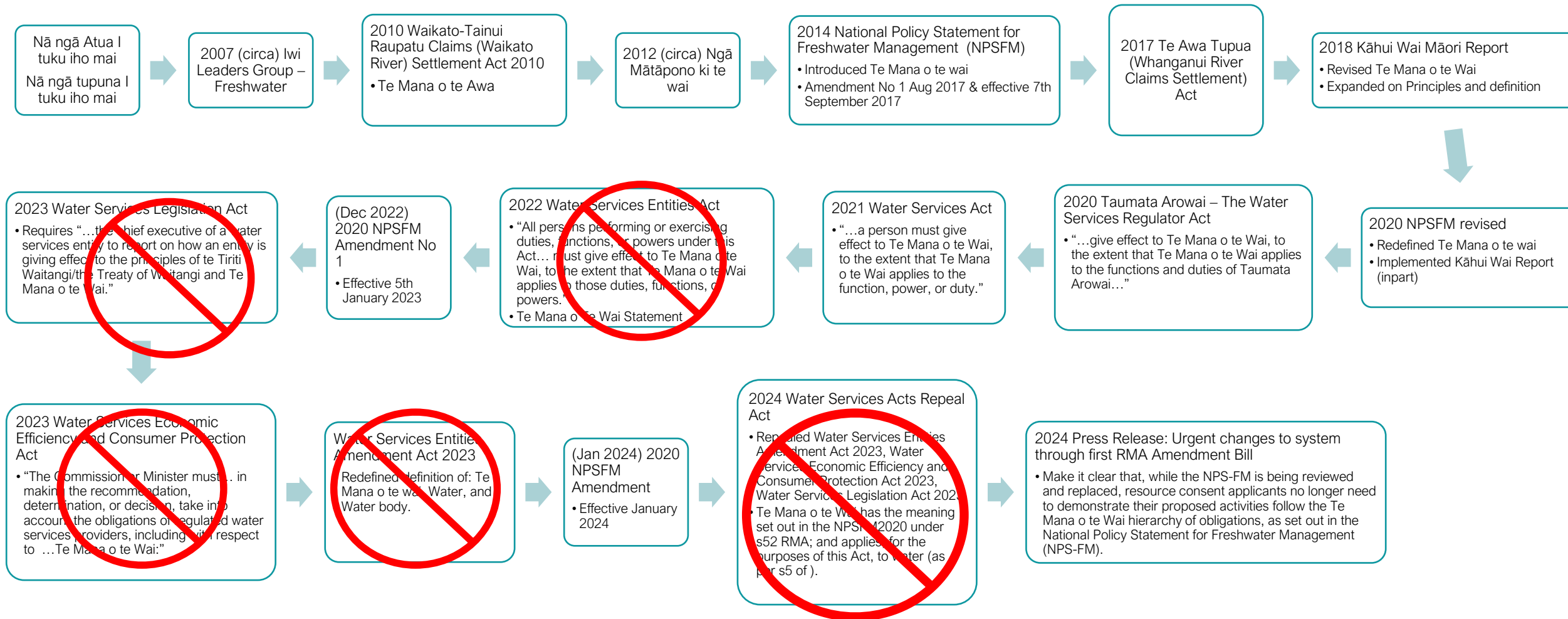
Te Mana o te Wai

- A modern concept?

Whakapapa o Te Mana o te Wai



Whakapapa o Te Mana o te Wai



Te Mana o te Wai

- Only a Māori concept?

The 6 Principles(?) of Te Mana o Te Wai

Mana whakahaere

- the power, authority, and obligations of tangata whenua to make decisions that maintain, protect, and sustain the health and well-being of, and their relationship with, freshwater

Governance

- the responsibility of those with authority for making decisions about freshwater to do so in a way that prioritises the health and well-being of freshwater now and into the future

Kaitiakitanga

- the obligation of tangata whenua to preserve, restore, enhance, and sustainably use freshwater for the benefit of present and future generations

Stewardship

- the obligation of all New Zealanders to manage freshwater in a way that ensures it sustains present and future generations

Manakitanga

- the process by which tangata whenua show respect, generosity, and care for freshwater and for others

Care and respect

- the responsibility of all New Zealanders to care for freshwater in providing for the health of the nation.

The Dual Principles(?) of Te Mana o Te Wai

Tangata Whenua

Mana whakahaere

- the power, authority, and obligations of tangata whenua to make decisions that maintain, protect, and sustain the health and well-being of, and their relationship with, freshwater

Kaitiakitanga

- the obligation of tangata whenua to preserve, restore, enhance, and sustainably use freshwater for the benefit of present and future generations

Manakitanga

- the process by which tangata whenua show respect, generosity, and care for freshwater and for others

Tangata Tiriti

Governance

- the responsibility of those with authority for making decisions about freshwater to do so in a way that prioritises the health and well-being of freshwater now and into the future

Stewardship

- the obligation of all New Zealanders to manage freshwater in a way that ensures it sustains present and future generations

Care and respect

- the responsibility of all New Zealanders to care for freshwater in providing for the health of the nation.

The 3 paired Principles of Te Mana o Te Wai

Tangata Whenua

Tangata Tiriti

Article One

Mana whakahaere

- the power, authority, and obligations of tangata whenua to make decisions that maintain, protect, and sustain the health and well-being of, and their relationship with, freshwater

&

Governance

- the responsibility of those with authority for making decisions about freshwater to do so in a way that prioritises the health and well-being of freshwater now and into the future

Article Two

Kaitiakitanga

- the obligation of tangata whenua to preserve, restore, enhance, and sustainably use freshwater for the benefit of present and future generations

&

Stewardship

- the obligation of all New Zealanders to manage freshwater in a way that ensures it sustains present and future generations

Article Three

Manakitanga

- the process by which tangata whenua show respect, generosity, and care for freshwater and for others

&

Care and respect

- the responsibility of all New Zealanders to care for freshwater in providing for the health of the nation.

2020 NPSFM – Te Mana o te Wai – Hierarchy of Obligations

There is a hierarchy of obligations in Te Mana o te Wai that prioritises:

First

- the health and well-being of water bodies and freshwater ecosystems

Second

- the health needs of people (such as drinking water)

Third

- the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future.

Hierarchy of Mana

There is a hierarchy of obligations in Te Mana o te Wai that prioritises:

First

- the health and well-being of water bodies and freshwater ecosystems

Second

- the health needs of people (such as drinking water)

Third

- the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future.

Mana

Te Mana o te Wai

- Giving Effect to Te Mana o Te Wai = Mana Enhancing

Enhancing Mana

- Create a ongoing relationship, creating a strong, balanced, enduring and mutually beneficial relationship
- ~~Nature Based Solutions~~ Mana enhancing solutions¹
- Local Water done well = Te Mana o te Wai

¹ Thanks Josh ☺

5 Wai's (not why's) of Māori Engagement

NĀ WAI?	As in <i>Nā wai te hui i karanga?</i>	Who in your organisation has created the need to engage, and most importantly, why?
KO WAI?	As in <i>Ko wai ngā Māori nei?</i>	Who are the people you are engaging or connecting with? Or sometimes, it's who do you need to engage with?
MO WAI?	As in <i>Mō wai tēnei hui?</i>	What is the benefit of this meeting or arrangement for Māori?
MA WAI?	As in <i>Mā wai tatou e korero?</i> Or <i>Ma wai tatou e arahi?</i>	Who will speak for us, or who will lead us?
HE WAI?	As in <i>He wai?</i> Or have you got a song? This is a very common thing said by the people when someone is speaking, or preparing to engage.	How do you connect with respect and authenticity?



sky

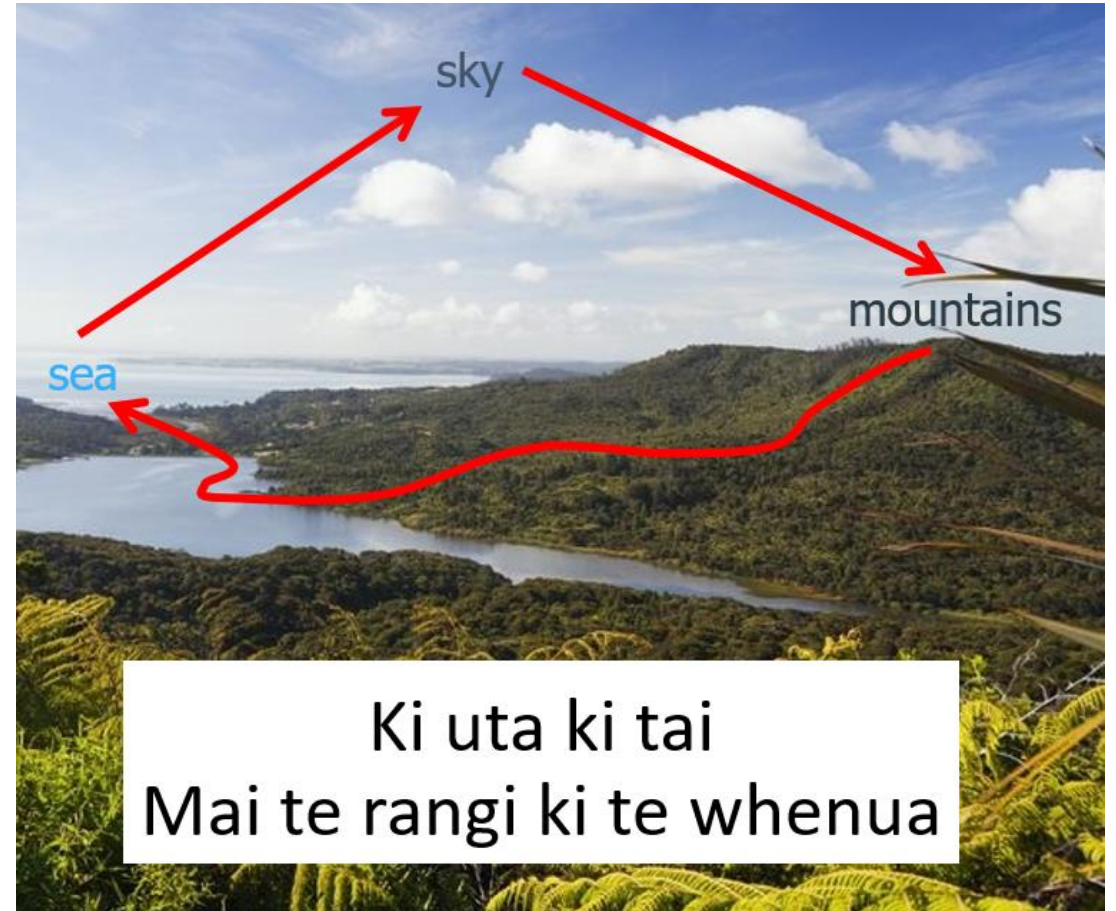
mountains

sea

Ki uta ki tai
Mai te rangi ki te whenua

Uplifting Te Mana o Te Wai

- Apply the principles of TMoTW
- Apply the hierarchy of obligations
- Imbed as a framework
- Enable the application of a diversity of systems of values and knowledge such as mātauranga Maori to the management of freshwater
- Adopt an integrated approach, ki uta ki tai



A light blue map of New Zealand is positioned on the left side of the slide, partially overlapping the teal background.

Case Study: Timaru DC - Stormwater Management

References:

THE EVOLUTION OF STORMWATER MANAGEMENT PLANS – GIVING EFFECT TO TE MANA O TE WAI (*S. Dudson & B. Hamilton (WSP), G. Hall & M. Bunt (Timaru District Council), M. Ellis (Pattle Delamore Partners), T. Davidson (Aoraki Consultants Limited)*)

https://www.waternz.org.nz/Article?Action=View&Article_id=2482

Stormwater Management in Te Umu Kaha / Temuka

Vision

Together we value, protect and restore the mauri/lifeforce of the waterways so that it enables Mahinga kai, ki uta ki tai.

Te Mana o te
wai

- First, the health and well-being of water bodies and freshwater ecosystems
- Second, the health needs of people (such as drinking water)
- Third, the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future.

Objectives

- Progressively reverse the diminished ecosystem health in the Tuamatakahu Stream
- Protect and enhance the ecosystem health of the Te Uma Kaha / Temuka River.
- TDC advocate for ki uta ki tai (from the mountains to the sea) in Te Uma Kaha catchment during TDC's involvement stakeholder and regulator in RMA and LGA processes
- Where practicable prioritise addressing effects of stormwater quality and quantity at or close to their source rather than at the end of pipe into
- Stormwater discharges do not cause or exacerbate the risk to human health where groundwater is abstracted from bores for drinking water.
- Progressively reduce the acute and cumulative impacts of the stormwater network and stormwater discharges on waterbodies connected to and within the Opihi Mātaitai downstream of Temuka so the habitat is healthy and suitable for safe mahinga kai harvesting, and the mahinga kai species are safe to eat.
- Recognise and respect mana motuhake – the whakapapa and the relationship Kati huirapa have with water ecosystems in their rohe and actively involve them in stormwater management.
- When investing in stormwater infrastructure environmental, social and cultural benefits are optimised.
- Stormwater is managed so that run-off from urban areas, the primary stormwater network and overland flow paths, does not exacerbate the flooding, erosion or damage to property or infrastructure or cause risks to human safety.
- Temuka township is more resilient to the effects of flooding and the associated the adverse impacts of climate change.

Objectives - Te Umu Kaha / Temuka

There is a hierarchy of obligations in Te Mana o te Wai (2020 NPSFM) that prioritises:



First

the health and well-being of water bodies and freshwater ecosystems

Progressively reverse the diminished ecosystem health in the Tuamatakahu Stream

Protect and enhance the ecosystem health of the Te Uma Kaha / Temuka River.

TDC advocate for ki uta ki tai (from the mountains to the sea) in Te Uma Kaha catchment during TDC's involvement stakeholder and regulator in RMA and LGA processes

Where practicable prioritise addressing effects of stormwater quality and quantity at or close to their source rather than at the end of pipe into



Second

the health needs of people (such as drinking water)

Stormwater discharges do not cause or exacerbate the risk to human health where groundwater is abstracted from bores for drinking water.

Progressively reduce the acute and cumulative impacts of the stormwater network and stormwater discharges on waterbodies connected to and within the Opihi Mātaitai downstream of Temuka so the habitat is healthy and suitable for safe mahinga kai harvesting, and the mahinga kai species are safe to eat.



Third

the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future.

Recognise and respect mana motuhake – the whakapapa and the relationship Kati huirapa have with water ecosystems in their rohe and actively involve them in stormwater management.

When investing in stormwater infrastructure environmental, social and cultural benefits are optimised.

Stormwater is managed so that run-off from urban areas, the primary stormwater network and overland flow paths, does not exacerbate the flooding, erosion or damage to property or infrastructure or cause risks to human safety.

Temuka township is more resilient to the effects of flooding and the associated the adverse impacts of climate change.

A light blue map of New Zealand is visible in the background of the teal header section.

Case Study: Whanganui Prison: Hybrid Stormwater Design

References:

[STORMWATER DESIGN AT WHANGANUI PRISON: A REHABILITATION JOURNEY](https://www.waternz.org.nz/Article?Action=View&Article_id=2770) (R. Ferguson (T&T), E. Robertson, A. Millar (Ara Poutama), T. Brockbank (Advisor to WPTWEG / BECA))
https://www.waternz.org.nz/Article?Action=View&Article_id=2770

Ngā mihi Nui

Kua tawhiti kē to haerenga mai kia kore e haere tonu.

He nui rawa ō mahi kia kore e mahi nui tonu.

- Tā Himi Henare

You have come too far not to go further.
You have done too much not to do more.

- Sir James Henare

Thank you

He pātai tā koutou? Questions?

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